

Motor Controls Made Easy

Motor Controls Catalog

Safety Switches • Across the Line Starters • Part Wind Starters • Soft Starters • Variable Frequency Drives





North American Electric's NAE Motor Control division was established in 2014. We have an engineering staff along with a UL508A panel shop where we manufacture a wide range of high quality in-stock and custom control panel options along with engineered custom application solutions. We partner with high quality brands to meet all UL standards and requirements allowing us to provide you with exceptional quality, a quick lead time, all at a competitive value.

From Safety Switches, Across the Line Starters, Part Wind Starters, Soft Starters to Variable Frequency Drives, we've got you covered.

Our sales and customer service staff are here to help you find the motor control that is right for your application needs and we offer 24 hour to 2-week shipping on most pre-engineered, in-stock motor controls.

Motor Controls Made Easy!

- Excellent Sales and Customer Service
- Wide Selection of Motor Controls
- In-Stock Inventory
- Fast Delivery
- Custom Modifications
- Technical Support
- Warranty and Repair





MOTOR CONTROLS



SAFETY SWITCHES – HEAVY DUTY
30 AMP—1200 AMP
480 VAC / 600 VAC
- 3-Pole / 3-Wire / Non-Fused or Fused
- NEMA 3R Enclosure



ACROSS THE LINE STARTERS
NEMA 1—NEMA 5
- NEMA Rated Contactor
- Circuit Breaker or Fused w/ Flanged Disconnect



PART WIND STARTERS
10 HP—200 HP
- IEC Rated Contactors
- Circuit Breaker or Fused
- NEMA 3R Enclosure



SOFT STARTERS - ECONOMY
3RW40 Series
General Purpose, Irrigation or Washdown Applications
15 HP—75 HP
- Siemens 3RW40 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



SOFT STARTERS - ECONOMY & STANDARD
3RW50 Series
General Purpose or Washdown Applications
30 HP—400 HP
- Siemens 3RW50 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



SOFT STARTERS - ECONOMY & STANDARD
3RW52 Series
General Purpose or Washdown Applications
3 HP—400 HP
- Siemens 3RW52 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



SOFT STARTERS - ECONOMY & STANDARD
3RW55 Series
General Purpose or Washdown Applications
3 HP—1000 HP
- Siemens 3RW55 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



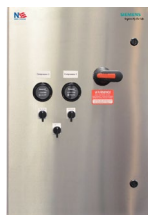
SOFT STARTERS - CRUSHER/ULTRA
20 HP—800 HP
- SAF MS6 Series Devices
- Ultra Heavy Duty (500% FLA for 30 Seconds)
- Integral bypass with Full Start-Rated Contactor
- Circuit Breaker
- NEMA 3R or 4/12 Enclosure



VFD-ECONOMY
1 HP—800 HP Variable Torque
½ HP—600 HP Constant Torque
- Siemens G120 or G120X Drive
- Circuit Breaker or Fused
- NEMA 3R, 4, 4X or 12 Enclosure



VFD-STANDARD
1 HP—800 HP Variable Torque
½ HP—600 HP Constant Torque
- Siemens G120 or G120X Series Drive
- Circuit Breaker or Fused
- NEMA 3R, 4, 4X or 12 Enclosure



VFD-WASHDOWN/STAINLESS
1 HP—200 HP Variable Torque
½ HP—150 HP Constant Torque
- Siemens G120 or G120X Series Drive
- Circuit Breaker or Fused
- NEMA 4X Enclosure



CHASSIS EXCHANGE PROGRAM
VFD-IRRIGATION
1 HP—800 HP
- Siemens G120X Series Drive
- 24/7 Programmable & 0-10 Backspin Timer
- Variable Torque
- Circuit Breaker or Fused
- NEMA 3R Enclosure



CHASSIS EXCHANGE PROGRAM
VFD-SUBMERSIBLE
½ HP—200 HP
- Siemens G120X Series Drive
- 24/7 Programmable & 0-10 Backspin Timer
- Variable Torque
- Circuit Breaker or Fused
- NEMA 3R Enclosure



CHASSIS EXCHANGE PROGRAM
VFD-POSITIVE DISPLACEMENT PUMP
3 HP—600 HP
- Circuit Breaker
- NEMA 3R Enclosure



VFD-BEAM PUMP
1 HP—200 HP
- Siemens G120X Series Drive
- ReGen Avoidance
- Constant Torque
- Circuit Breaker
- NEMA 3R Enclosure

CUSTOM PANELS

Motor Controls Panel Customization Made Easy

NAE Motor Controls offers customers the ability to custom configure and order their control panel to meet their specific needs and have it shipped quickly. All NAE packaged panels are backed by our 2 year warranty and eligible for up to 6 years of protection with the “NO Hassle” Chassis Exchange program.



Visit our website at www.naemotors.com to learn more about our “No Hassle” Chassis Exchange program.

GENERAL PURPOSE MOTORS



SINGLE PHASE, 56C FRAME, TEFC

- 1/3 HP—2 HP; 2 or 4-Pole
- High Starting Torques
 - Capacitor Start / Capacitor Run Design
 - Rolled Steel Construction
 - Removable Feet



THREE-PHASE, 56C FRAME, TEFC

- 1/3 HP—3 HP; 2 or 4-Pole
- High Starting Torque
 - Rolled Steel Construction
 - Removable Feet



THREE-PHASE, TEFC

- 1 HP—10 HP; 2 or 4-Pole
- High Starting Torque
 - Rolled Steel Construction



SINGLE PHASE, FARM DUTY, TEFC

- 1/3 HP—10 HP; 2 or 4-Pole (2 pole in 5 HP Only)
- High Starting Torques
 - Manual Overload Protection (1/3 HP—5 HP)
 - Capacitor Start / Capacitor Run Design
 - Rolled Steel Construction



SINGLE PHASE, COMPRESSOR DUTY, OPEN DRIP PROOF

- 3 HP—5 HP; 2 or 4-Pole
- High Starting Torque
 - Capacitor Start / Capacitor Run Design
 - Rolled Steel Construction



THREE-PHASE, OPEN DRIP PROOF

- 1 HP—20 HP; 2 or 4-Pole
- High Starting Torque
 - Rolled Steel Construction



ALUMINUM FRAME INVERTER DUTY MOTORS

- 1 HP—10 HP; 2 or 4-Pole
- Totally Enclosed Fan Cooled
 - Inverter Duty (20:1 VT; 10:1 CT)



GENERAL PURPOSE INVERTER DUTY MOTORS

- 1 HP—300 HP; 2, 4, 6 or 8-Pole
- NEMA Design B
 - Totally Enclosed Fan Cooled or ODP
 - Inverter Duty (20:1 VT; 10:1 CT)



ROUND BODY MOTORS

- 1 HP—30 HP; 4-Pole; 1800 RPM
- C-Flange without Feet
 - Totally Enclosed Fan Cooled
 - Inverter Duty (20:1 VT; 10:1 CT)



CRUSHER DUTY MOTORS

- 1 HP—600 HP; 4, 6 or 8-Pole
- NEMA Design C
 - Totally Enclosed Fan Cooled
 - Inverter Duty (20:1 VT; 10:1 CT) (143T - 505UZ)
 - Inverter Rated (10:1 VT; 5:1 CT) (586/7UZ)

SPECIAL PURPOSE MOTORS



WASHDOWN DUTY MOTORS STAINLESS STEEL, TEFC & TENV

- 1/3 HP—20 HP; 2, 4 or 6-Pole
- C-Flange w/ Feet or Round Body
 - Inverter Duty (20:1 VT; 10:1 CT)



CLOSE COUPLED PUMP MOTORS

- 1 HP—75 HP; 2 or 4-Pole
- Totally Enclosed Fan Cooled
 - Inverter Duty (20:1 VT; 10:1 CT)



EXPLOSION PROOF MOTORS

- 1—250 HP; 2, 4 or 6-Pole
- All Motors Meet or Exceed
 - UL 674 Specification As Required By OSHA For Installation and Use In Hazardous Locations
 - Totally Enclosed Explosion Proof (TEXP)
 - Inverter Rated (10:1 VT; 5:1 CT)



OIL WELL PUMP MOTORS, TEFC

- 2 HP—150 HP; 6 or 8-Pole
- NEMA Design D; High Slip (5%—8% Slip)
 - Special Purpose Oil Well Pump Motors
 - Inverter Duty (20:1 VT; 10:1 CT)



OIL WELL PUMP MOTORS, ODP

- 7.5 HP—100 HP; 6-Pole
- NEMA Design D; High Slip (5%—8% Slip)
 - Special Purpose Oil Well Pump Motors
 - Inverter Duty (20:1 VT; 10:1 CT)



ROTARY PHASE CONVERTER MOTOR

- 3 HP—60 HP; 4-Pole
- For Use with Rotary Phase Converters
 - To Run Three Phase Equipment From Single Phase Power
 - Totally Enclosed Fan Cooled



VERTICAL HOLLOW SHAFT PUMP MOTORS

- 10 HP—250 HP; 4-Pole
- Extra High Thrust available
 - V1 Series - Inverter Rated (10:1 VT)
 - V2 Series - Inverter Duty (20:1 VT) w/ insulated bearing mounts from 40HP - 250HP

MOTOR ACCESSORIES



NAE OFFERS A WIDE RANGE OF MOTOR ACCESSORIES

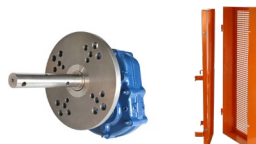
- Motor Slide Bases
- Flange Kits
- Conversion Kits
- Vertical Hollow Shaft Replacement Parts:
 - Ratchet Assembly
 - Alternative Bases
 - Top Cover
 - Lubriport Sight Glass
 - Motor Couplings

SHAFT MOUNT GEAR REDUCER & ACCESSORIES



SHAFT MOUNT GEAR REDUCER

- 2 to 10 Box size in-stock
- Gear Ratio: 15:1 or 25:1
 - "Drop-In" for Dodge® TXT Style



NAE OFFERS A WIDE RANGE OF SMR ACCESSORIES

- Bushing Kit
- Backstops
- Motor Mounts
- Torque Arms
- Belt Guard
- Screw Conveyor
- Drive Shafts
- Repair Kits

SAFETY SWITCHES / DISCONNECT PANELS

Safety Switch / Disconnect - Non-Fused - NEMA 3R..... 11
 Safety Switch / Disconnect - Fused - NEMA 3R 12
 Safety Switch / Disconnect w/ "Lightning Protection" - Fused - NEMA 3R..... 13

ACROSS THE LINE (ATL) PANELS

ATL - Model Number Identifier 14
 General Purpose ATL Panel - Circuit Breaker Disconnect - NEMA 3R 15
 General Purpose ATL Panel - Fused Disconnect - NEMA 3R 16
 General Purpose ATL Panel - Circuit Breaker Disconnect - NEMA 3R 17
 General Purpose ATL Panel - Fused Disconnect - NEMA 3R 18
 Irrigation Pump Panel - Circuit Breaker Disconnect - NEMA 3R 19
 Irrigation Pump Panel - Fused Disconnect - NEMA 3R 20
ATL/PWS - Model Number Identifier 21
 Washdown Duty ATL Panel - Stainless Steel - NEMA 4X 22
 Washdown Duty ATL Panel - Stainless Steel - NEMA 4X 23
ATL - Control Panel Options 24

PART WIND STARTER (PWS) PANELS

General Purpose PWS Panel - Circuit Breaker Disconnect - NEMA 3R 25
 General Purpose PWS Panel - Fused Disconnect - NEMA 3R 26
 Irrigation Pump PWS Panel - Circuit Breaker Disconnect - NEMA 3R 27
 Irrigation Pump PWS Panel - Fused Disconnect - NEMA 3R 28
PWS - Control Panel Options 29

SOFT STARTERS (RVSS) CHASSIS

Lovato - ADXL Series 30

SOFT STARTERS (RVSS) PANELS

Reduced Voltage Soft Starter - Model Number Identifier 31
 Soft Starter Applications and Features 32-34
 Soft Starter Starting Class Details 35-48

GENERAL PURPOSE REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

Siemens 3RW40 Series - Economy Packages
(Start Pushbutton / HOA / Illuminated Reset Pushbutton):
 Normal Starting (Class 10) - NEMA 3R 49
 Heavy Starting (Class 20E) - NEMA 3R 50
 Normal Starting (Class 10) - NEMA 4/12 51
 Heavy Starting (Class 20E) - NEMA 4/12 52

Siemens 3RW50 Series - Economy Packages
(Start Pushbutton / HOA / Illuminated Reset Pushbutton):
 Normal Starting (Class 10E) - NEMA 3R 53
 Heavy Starting (Class 20E) - NEMA 3R 54
 Normal Starting (Class 10E) - NEMA 4/12 55
 Heavy Starting (Class 20E) - NEMA 4/12 56

Siemens 3RW50 Series - Standard Packages
(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):
 Normal Starting (Class 10E) - NEMA 3R 57
 Heavy Starting (Class 20E) - NEMA 3R 58
 Normal Starting (Class 10E) - NEMA 4/12 59
 Heavy Starting (Class 20E) - NEMA 4/12 60

Siemens 3RW52 Series - Economy Packages
(Start Pushbutton / HOA / Illuminated Reset Pushbutton):
 Normal Starting (Class 10E) - 240V - NEMA 3R 61
 Normal Starting (Class 10E) - 480V - NEMA 3R 62



Heavy Starting (Class 20E) - 240V - NEMA 3R	63
Heavy Starting (Class 20E) - 480V - NEMA 3R	64
Siemens 3RW52 Series - Standard Packages	
(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):	
Normal Starting (Class 10E) - 240V - NEMA 4/12	65
Normal Starting (Class 10E) - 480V - NEMA 4/12	66
Heavy Starting (Class 20E) - 240V - NEMA 4/12	67
Heavy Starting (Class 20E) - 480V - NEMA 4/12	68
Siemens 3RW52 Series - Standard Packages	
(Door mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):	
Normal Starting (Class 10E) - 240V - NEMA 3R	69
Normal Starting (Class 10E) - 480V - NEMA 3R	70
Heavy Starting (Class 20E) - 240V - NEMA 3R	71
Heavy Starting (Class 20E) - 480V - NEMA 3R	72
Normal Starting (Class 10E) - 240V - NEMA 4/12	73
Normal Starting (Class 10E) - 480V - NEMA 4/12	74
Heavy Starting (Class 20E) - 240V - NEMA 4/12	75
Heavy Starting (Class 20E) - 480V - NEMA 4/12	76
Siemens 3RW55 Series - Economy Package	
(Start Pushbutton / HOA / Illuminated Reset Pushbutton):	
Normal Starting (Class 10E) - 240V - NEMA 3R	77
Normal Starting (Class 10E) - 480V - NEMA 3R	78
Heavy Starting (Class 20E) - 240V - NEMA 3R	79
Heavy Starting (Class 20E) - 480V - NEMA 3R	80
Heavy Starting (Class 30E) - 240V - NEMA 3R	81
Heavy Starting (Class 30E) - 480V - NEMA 3R	82
Normal Starting (Class 10E) - 240V - NEMA 4/12	83
Normal Starting (Class 10E) - 480V - NEMA 4/12	84
Heavy Starting (Class 20E) - 240V - NEMA 4/12	85
Heavy Starting (Class 20E) - 480V - NEMA 4/12	86
Heavy Starting (Class 30E) - 480V - NEMA 4/12	87
Heavy Starting (Class 30E) - 240V - NEMA 4/12	88
Siemens 3RW55 Series - Standard Packages	
(Door mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):	
Normal Starting (Class 10E) - 480V - NEMA 3R	89
Normal Starting (Class 10E) - 240V - NEMA 3R	90
Heavy Starting (Class 20E) - 240V - NEMA 3R	91
Heavy Starting (Class 20E) - 480V - NEMA 3R	92
Heavy Starting (Class 30E) - 240V - NEMA 3R	93
Heavy Starting (Class 30E) - 480V - NEMA 3R	94
Normal Starting (Class 10E) - 480V - NEMA 4/12	95
Normal Starting (Class 10E) - 240V - NEMA 4/12	96
Heavy Starting (Class 20E) - 240V - NEMA 4/12	97
Heavy Starting (Class 20E) - 480V - NEMA 4/12	98
Heavy Starting (Class 30E) - 240V - NEMA 4/12	99
Heavy Starting (Class 30E) - 480V - NEMA 4/12	100

SPECIAL PURPOSE IRRIGATION REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

Siemens 3RW40 Series - Economy Packages	
(Start Pushbutton / HOA / Illuminated Reset Pushbutton):	
Normal Starting (Class 10) - NEMA 3R	101

SPECIAL PURPOSE WASHDOWN DUTY REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

Siemens 3RW40 Series - Economy Packages	
(Start Pushbutton / HOA / Illuminated Reset Pushbutton):	
Normal Starting (Class 10) - NEMA 4X	102
Heavy Starting (Class 20E) - NEMA 4X	103
Siemens 3RW50 Series - Economy Packages	
(Start Pushbutton / HOA / Illuminated Reset Pushbutton):	
Normal Starting (Class 10E) - NEMA 4X	104
Heavy Starting (Class 20E) - NEMA 4X	105



Siemens 3RW50 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - NEMA 4X.....106
 Heavy Starting (Class 20E) - NEMA 4X.....107

Siemens 3RW52 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....108
 Normal Starting (Class 10E) - 480V - NEMA 4X.....109
 Heavy Starting (Class 20E) - 240V - NEMA 4X.....110
 Heavy Starting (Class 20E) - 480V - NEMA 4X.....111

Siemens 3RW52 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....112
 Normal Starting (Class 10E) - 480V - NEMA 4X.....113
 Heavy Starting (Class 20E) - 240V - NEMA 4X.....114
 Heavy Starting (Class 20E) - 480V - NEMA 4X.....115

Siemens 3RW55 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....116
 Normal Starting (Class 10E) - 480V - NEMA 4X.....117
 Heavy Starting (Class 20E) - 240V - NEMA 4X.....118
 Heavy Starting (Class 20E) - 480V - NEMA 4X.....119
 Heavy Starting (Class 30E) - 240V - NEMA 4X.....120
 Heavy Starting (Class 30E) - 480V - NEMA 4X.....121

Siemens 3RW55 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....122
 Normal Starting (Class 10E) - 480V - NEMA 4X.....123
 Heavy Starting (Class 20E) - 240V - NEMA 4X.....124
 Heavy Starting (Class 20E) - 480V - NEMA 4X.....125
 Heavy Starting (Class 30E) - 240V - NEMA 4X.....126
 Heavy Starting (Class 30E) - 480V - NEMA 4X.....127

CRUSHER DUTY AND SEVERE DUTY REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

SAF MS6 Series - Standard Packages

(Door Mounted Keypad / Start Pushbutton / HOA / Reset Pushbutton):

Heavy Starting (Class 30E) - 480V - NEMA 3R.....128
 Heavy Starting (Class 30E) - 480V - NEMA 4/12.....129

SAF MS6 Series - Advanced Package

(Door Mounted Keypad / Start / HOA / Reset / Murphy Switch Interface):

Crusher Duty / Severe Duty Soft Starter Panel - Heavy Starting (Class 30E) - 480V - NEMA 3R.....130
 Crusher Duty / Severe Duty Soft Starter Panel - Heavy Starting (Class 30E) - 480V - NEMA 4/12.....131

Reduced Voltage Soft Starter (RVSS) Panel Options.....132-133

VARIABLE FREQUENCY DRIVE (VFD) CHASSIS

LS Electric - G100 Series VFD Chassis - Variable Torque - IP20 and NEMA 1.....134
 LS Electric - S100 Series VFD Chassis - Variable Torque - IP20 and NEMA 1.....135
 LS Electric - S100 Series VFD Chassis - Constant Torque - IP20 and NEMA 1.....136
 LS Electric - S100 Series VFD Chassis - Constant Torque - NEMA 4X.....137
 LS Electric - iS7 Series VFD Chassis - Variable Torque - IP00 and NEMA 1.....138
 LS Electric - iS7 Series VFD Chassis - Constant Torque - IP00 and NEMA 1.....139

VARIABLE FREQUENCY DRIVE (VFD) NEMA 1 ENCLOSED CHASSIS

VFD - Enclosed Chassis - 240V PROFINET - Siemens G120X Series - NEMA 1.....140
 VFD - Enclosed Chassis - 480V PROFINET - Siemens G120X Series - NEMA 1.....141
 VFD - Enclosed Chassis - 240V BACnet - Siemens G120X Series - NEMA 1.....142
 VFD - Enclosed Chassis - 480V BACnet - Siemens G120X Series - NEMA 1.....143

VARIABLE FREQUENCY DRIVE (VFD) PANELS

Variable Frequency Drive (VFD) Panel Model Identifier.....144
 Vortex Tunnel Design - Advanced Tunnel Design for Maximum Cooling.....145



GENERAL PURPOSE VARIABLE FREQUENCY DRIVE (VFD) PANELS

LS Electric - Economy Packages - NEMA 3R

(Start Pushbutton / HOA / Potentiometer):

1-Phase to 3-Phase - 480V - Variable Torque - LS Electric S100/iS7 Series Drives146
 1-Phase to 3-Phase - 480V - Constant Torque - LS Electric S100/iS7 Series Drives147

LS Electric - Standard Packages - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

1-Phase to 3-Phase - 480V - Variable Torque - LS Electric S100/iS7 Series Drives148
 1-Phase to 3-Phase - 480V - Constant Torque - LS Electric S100/iS7 Series Drives149

LS Variable Frequency Drive (VFD) Panel Options..... 150-151

Siemens - Economy Packages, - NEMA 3R

(Start Pushbutton / HOA / Potentiometer)

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive152
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive153
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive154
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive155

Siemens - Economy Packages - NEMA 12

(Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive156
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive157
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive158
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive159

Siemens - Economy Packages - NEMA 4

(Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive160
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive161
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive162
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive163

Siemens - Standard Packages - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive164
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive165
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive166
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive167

Siemens - Standard Packages - NEMA 12

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive168
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive169
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive170
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive171

Siemens - Standard Packages - NEMA 4

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive172
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive173
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive174
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive175

SPECIAL PURPOSE VARIABLE FREQUENCY DRIVE (VFD) PANELS

IRRIGATION & SUBMERSIBLE VARIABLE FREQUENCY DRIVE PUMP PANELS

LS Electric - Irrigation Standard Package - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

1-Phase to 3-Phase - 480V - Variable Torque - iS7 Series Drive176

LS Electric - Submersible Standard Package - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

1-Phase to 3-Phase - 480V - Variable Torque - iS7 Series Drive.....177

Siemens - Irrigation - Standard Package - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - G120X Series Drive178



Siemens - Submersible Standard Package - NEMA 3R
(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):
 3-Phase - 240V - Variable Torque - G120X Series Drive 179
 3-Phase - 480V - Variable Torque - G120X Series Drive 180

OIL FIELD VFD PANELS / BEAM PUMP VARIABLE FREQUENCY DRIVE PANELS

Beam Pump VFD Panels w/ Regen Avoidance - Standard Package - NEMA 3R
(Door Mounted Keypad / Percentage Timer / HOA / Potentiometer):
 1-Phase to 3-Phase - 480V - Constant Torque - iS7 Drive Series 181

Beam Pump VFD Panels w/ Regen Avoidance - Standard Package - NEMA 3R
(Door Mounted Keypad / Percentage Timer / HOA / Potentiometer):
 3-Phase - 480V - Constant Torque - G120X Series Drive 182

Beam Pump VFD Panels w/ Regen Avoidance - w/ Two Contactor By-Pass - Standard Package - NEMA 3R
(Door Mounted Keypad / Percentage Timer / HOA / Potentiometer / By-Pass Selector):
 3-Phase - 480V - Constant Torque - G120X Series Drive 183

POSITIVE DISPLACEMENT VARIABLE FREQUENCY DRIVE PUMP PANELS

Positive Displacement Pump VFD Panel - Standard Package - NEMA 3R
(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drives 184

Positive Displacement Pump VFD Panel - Advanced Package - NEMA 3R
(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer / Murphy Switch Interface)
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drives 185

Positive Displacement Pump VFD Panel - Deluxe Package - NEMA 3R
(HMI Touchscreen / Start Pushbutton / HOA / Potentiometer)
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drives 186

WASHDOWN DUTY VARIABLE FREQUENCY DRIVE PANELS (NEMA 4X / STAINLESS STEEL ENCLOSURES)

Washdown Duty VFD Panels - Economy Packages - NEMA 4X
(Start Pushbutton / HOA / Potentiometer):
 3-Phase - 480V - Variable Torque - Siemens G120X Series Drive 187
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive 188
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive 189
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive 190

Washdown Duty VFD Panels - Standard Packages - NEMA 4X
(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):
 3-Phase - 480V - Variable Torque - Siemens G120X Series Drive 191
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive 192
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive 193
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive 194

Variable Frequency Drive (VFD) Panel Options 195-196
Variable Frequency Drive (VFD) Control Options 197
Vortex Tunnel Design - Advanced Tunnel Design for Maximum Cooling 198

APPENDIX

NEMA Enclosure Types 200
Motor Controls Warranty Policies and Procedures 201-202
“No Hassle” Chassis Exchange Program Warranty w/ “Lightning and Surge” Protection 203-204
Terms and Conditions 205

NAE reserves the right to change our product's prices and content at any time without further notice.





“No Hassle” Chassis Exchange Program



“Providing reliable control panel service for up to six (6) years!”

NAE “NO HASSLE” CHASSIS EXCHANGE PROGRAM

North American Electric’s “No Hassle” Chassis Exchange Program is a revolutionary motor control panel warranty designed to keep you up and running. Our “No Hassle” Chassis Exchange Program makes it easy to exchange your soft starter or VFD chassis without needlessly having to purchase a chassis while at the same time minimizing unplanned downtime.

“BUMPER TO BUMPER” COVERAGE

Your entire panel is further protected with our three (3) year “Bumper to Bumper” coverage, and includes “Lightning & Surge” Protection covering momentary anomaly including line side events such as lightning, surge and severe over voltage, and load side events such as single phasing, phase reversal and voltage unbalance.

“NO HASSLE” CHASSIS EXCHANGE PROGRAM WARRANTY

NAE’s “No Hassle” Chassis Exchange Program Warranty period is three (3) years from the date of delivery, and must be activated by an NAE Authorized or Certified Installer. This warranty protection may be extended to cover the chassis or the entire panel for up to six (6) years!

Program warranty benefits include:

- Lightning, surge and severe over voltage protection
- Single phasing, phase reversal and voltage unbalance protection
- “Bumper to Bumper” panel coverage
- Same day shipment of exchange chassis (Next Day Air, Second Day Air and Hot Shot Service is available for an additional charge)

Visit our website at https://www.naemotors.com/No_Hassle_Chassis/ for complete terms and conditions.



AMPS: 30 AMP - 600 AMP**Volts:** 480VAC / 600VAC**Enclosure:** NEMA 3R

Safety Switch

NEMA 3R

Disconnect Panel - Non-Fused



Standard Features / Specifications

Standard Features

- 30 AMP - 600 AMP ratings in stock
- Rated for 480 VAC / 600 VAC
- NEMA 3R / Heavy Duty Enclosure
- 3-Pole / 3-Wire / Non-Fused
- Visible blade construction
- All copper current carrying parts
- Quick-make, quick-break mechanism
- Front removable lugs can easily be converted to copper body or compression type lugs
- Lugs suitable for copper (60°C) or aluminum (75°C)
- Highly visible / easy-to-grip handle
- Door opens 180° or greater
- Positive two and three point mounting
- Padlockable cover latches and disconnect handle
- UL 508A certified

Power

- 30 AMP - 600 AMP

Warranty

- Two (2) year "Bumper to Bumper" warranty

Applications

- Disconnect panel

Amp Range	Type	Dimensions (inches)			Weight	Model Number	Mult. Symbol	List Price
		H	W	D				
30	3-Pole / 3-Wire / Non-Fused	13.1	8.9	4	11	SFTYSWNF-30A-THN3361R	M60	\$305.57
30	3-Pole / 3-Wire / Non-Fused	15.9	10.3	3.9	15	SFTYSWNF-30A-THN3361RF	M60	\$458.35
60	3-Pole / 3-Wire / Non-Fused	22	9.7	4.8	15	SFTYSWNF-60A-THN3362R	M60	\$540.21
60	3-Pole / 3-Wire / Non-Fused	22.4	14	4.8	22	SFTYSWNF-60A-THN3362RF	M60	\$549.29
100	3-Pole / 3-Wire / Non-Fused	17.4	10.2	4.9	15	SFTYSWNF-100A-THN3363R	M60	\$754.84
200	3-Pole / 3-Wire / Non-Fused	31.7	14.3	5.4	33	SFTYSWNF-200A-THN3364R	M60	\$916.72
400	3-Pole / 3-Wire / Non-Fused	49.5	24.1	8.5	122	SFTYSWNF-400A-THN3365R	M60	\$2,268.15
600	3-Pole / 3-Wire / Non-Fused	53.5	24.1	8.5	130	SFTYSWNF-600A-THN3366R	M60	\$4,545.37

Neutral Kit Options

Amp Rating	Volt	Description	Model Number	List Price
30	600V	Neutral Kit	SFTYSW-NK-TNIA62	\$63.38
60	600V	Neutral Kit	SFTYSW-NK-TNIA62	\$63.38
100	600V	Neutral Kit	SFTYSW-NK-TNIA63	\$132.76
200	600V	Neutral Kit	SFTYSW-NK-TNIA64	\$163.83
400	600V	Neutral Kit	SFTYSW-NK-TNIA65	\$289.40
600	600V	Neutral Kit	SFTYSW-NK-TNIA66	\$289.40

Warranty on pp. 201-205
Enclosure Information on p. 200

AMPS: 30 AMP - 1200 AMP
Volts: 480VAC / 600VAC
Enclosure: NEMA 3R



Safety Switch

NEMA 3R

Disconnect Panel - Fused

Standard Features / Specifications

Standard Features

- 30 AMP - 1200 AMP ratings in stock
- Rated for 480 VAC / 600 VAC
- NEMA 3R / Heavy Duty Enclosure
- 3-Pole / 3-Wire / Fused (fuses sold separately)
- Visible blade construction
- All copper current carrying parts
- Quick-make, quick-break mechanism
- Front removable lugs can easily be converted to copper body or compression type lugs
- Lugs suitable for copper (60°C) or aluminum (75°C)
- Highly visible / easy-to-grip handle
- Door opens 180° or greater
- Positive two and three point mounting
- Padlockable cover latches and disconnect handle
- UL 508A certified

Power

- 30 AMP - 1200 AMP

Warranty

- Two (2) year warranty

Applications

- Disconnect panel

Amp Range	Type	Dimensions (inches)			Weight	Model Number	Mult. Symbol	List Price
		H	W	D				
30	3-Pole / 3-Wire / Fused	13.1	8.9	4	11	SFTYSW-30A-TH3361R	M60	\$557.70
30	3-Pole / 3-Wire / Fused	22.4	14	4.8	23	SFTYSW-30A-TH3361RF2	M60	\$716.65
60	3-Pole / 3-Wire / Fused	22	9.7	4.8	18	SFTYSW-60A-TH3362R	M60	\$692.49
60	3-Pole / 3-Wire / Fused	22.4	14	4.8	18	SFTYSW-60A-TH3362RF	M60	\$721.17
100	3-Pole / 3-Wire / Fused	22.1	10.2	4.9	19	SFTYSW-100A-TH3363R	M60	\$985.30
200	3-Pole / 3-Wire / Fused	31.7	14.3	5.4	33	SFTYSW-200A-TH3364R	M60	\$1,357.06
400	3-Pole / 3-Wire / Fused	53.5	24.1	8.5	132	SFTYSW-400A-TH3365R	M60	\$3,178.86
600	3-Pole / 3-Wire / Fused	53.5	24.1	8.5	136	SFTYSW-600A-TH3366R	M60	\$5,655.15
800	3-Pole / 3-Wire / Fused	62	43.5	11.9	480	SFTYSW-800A-TC72367R	M60	\$10,408.54
1200	3-Pole / 3-Wire / Fused	77	49.3	12.9	490	SFTYSW-1200A-TC72368R	M60	\$13,082.31

Neutral Kit Options

Amp Rating	Volt	Description	Model Number	List Price
30	600V	Neutral Kit	SFTYSW-NK-TNIA62	\$63.38
60	600V	Neutral Kit	SFTYSW-NK-TNIA62	\$63.38
100	600V	Neutral Kit	SFTYSW-NK-TNIA63	\$132.76
200	600V	Neutral Kit	SFTYSW-NK-TNIA64	\$163.83
400	600V	Neutral Kit	SFTYSW-NK-TNIA65	\$289.40
600	600V	Neutral Kit	SFTYSW-NK-TNIA66	\$289.40
800	600V	Neutral Kit	SFTYSW-NK-TNIA67	\$615.91
1200	600V	Neutral Kit	SFTYSW-NK-TNIA68A	\$847.96

Warranty on pp. 201-205
 Enclosure Information on p. 200



AMPS: 30 AMP - 1200 AMP
Volts: 480 VAC / 600 VAC
Enclosure: NEMA 3R



Safety Switch

NEMA 3R

Disconnect Panel w/ "Lightning Protection"
 Fused



**MOST ORDERS
 SHIP WITHIN
 24 HOURS**

Standard Features / Specifications

Standard Features

- 30 AMP - 1200 AMP ratings in stock
- Rated for 480 VAC / 600 VAC
- NEMA 3R / Heavy Duty Enclosure
- 3-Pole / 3-Wire / Fused (fuses sold separately)
- Visible blade construction
- All copper current carrying parts
- Quick-make, quick-break mechanism
- Front removable lugs can easily be converted to copper body or compression type lugs

- Lugs suitable for copper (60°C) or aluminum (75°C)
- Highly visible / easy-to-grip handle
- Door opens 180° or greater
- Positive two and three point mounting
- Padlockable cover latches and disconnect handle
- UL 508A certified

Power

- 30 AMP - 1200 AMP

Warranty

- Two (2) year warranty

Applications

- Disconnect panel

Amp Range	Type	Dimensions (inches)			Weight	Model Number	Mult. Symbol	List Price
		H	W	D				
30	3-Pole / 3-Wire / Fused	13.1	8.9	4	15	SFTYLP-30A-HF361R	M60	\$1,511.26
60	3-Pole / 3-Wire / Fused	22.4	14	4.8	20	SFTYLP-60A-HF362R	M60	\$1,633.79
100	3-Pole / 3-Wire / Fused	22	9.7	4.8	25	SFTYLP-100A-HF363R	M60	\$1,925.53
200	3-Pole / 3-Wire / Fused	22.4	14	4.8	49	SFTYLP-200A-HF364R	M60	\$2,269.80
400	3-Pole / 3-Wire / Fused	22.1	10.2	4.9	157	SFTYLP-400A-HF365RA	M60	\$3,967.77
600	3-Pole / 3-Wire / Fused	31.7	14.3	5.4	161	SFTYLP-600A-HF366RA	M60	\$6,243.40
800	3-Pole / 3-Wire / Fused	53.5	24.1	8.5	365	SFTYLP-800A-HF367R	M60	\$10,619.61
1200	3-Pole / 3-Wire / Fused	53.5	24.1	8.5	385	SFTYLP-1200A-HF368R	M60	\$13,186.99

Neutral Kit Options				
Amp Rating	Volt	Description	Model Number	List Price
30/60	600V	Neutral Kit	SFTYSW-NK-HN612	\$63.38
60/100	600V	Neutral Kit	SFTYSW-NK-HN623	\$132.76
200	600V	Neutral Kit	SFTYSW-NK-HN64	\$163.83
400/600	600V	Neutral Kit	SFTYSW-NK-HN656	\$289.40
800/1200	600V	Neutral Kit	SFTYSW-NK-HN678	\$847.96

Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH / DISCONNECT

ACROSS THE LINE STARTER

PART WIND STARTER

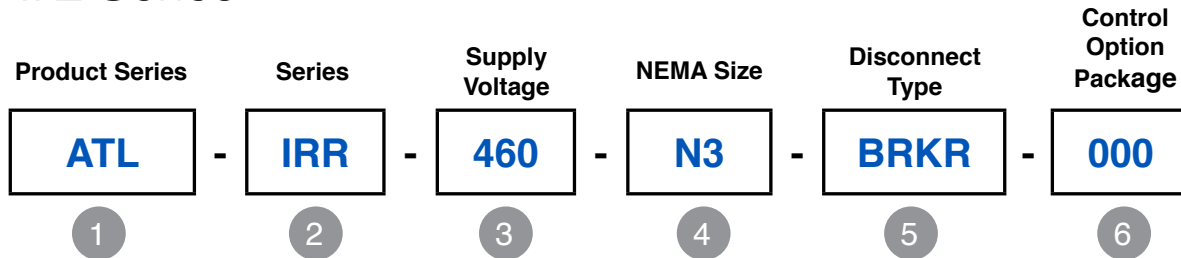
SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Model Number Identifier

ATL Series



Product Series

1. ATL - Across the Line

Series

2. IRR - Irrigation

Supply Voltage

3. 230 - 240V
460 - 480V

NEMA Size

4. N1 – 1
N2 – 2
N3 – 3
N4 – 4
N5 – 5

Disconnect Type

5. FUSD – Fused
BRKR – Circuit Breaker

Control Option Package

6. 000—None
SPC—Special Instructions
065—High Visibility Status Light
030—Elapsed Time Meter
☎ Multiple Options Available (p. 24)

HP: 2 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Circuit Breaker w/ Flange
Circuit Breaker: NEMA 1 – NEMA 5



ATL - Standard Panel

NEMA 3R / Circuit Breaker Disconnect
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Overload reset button
- Hand/Off/Auto (HOA) selector switch

Standard Features

- NEMA 1 - 5 sizes in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Circuit breaker disconnect: Flanged
- NEMA rated contactor

- Solid state overload
 - One adjustable overload covers most HP (AMP) range for each NEMA size
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 2 HP - 50 HP
- 480V: 3 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	240V		Mult. Symbol	List Price
			H	W	D		Model Number			
2 - 7.5	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-230-N1-BRKR-STD	M61	\$1,237.69	
10 - 15	15 - 45	2	29.3	20.9	7	90	ATL-IRR-230-N2-BRKR-STD	M61	\$1,633.92	
20 - 30	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-230-N3-BRKR-STD	M61	\$2,005.76	
40 - 50	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-230-N4-BRKR-STD	M61	\$3,669.14	

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	480V		Mult. Symbol	List Price
			H	W	D		Model Number			
3 - 10	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-460-N1-BRKR-STD	M61	\$1,237.69	
15 - 25	15 - 45	2	29.3	20.9	7	90	ATL-IRR-460-N2-BRKR-STD	M61	\$1,633.92	
30 - 50	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-460-N3-BRKR-STD	M61	\$2,005.76	
60 - 100	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-460-N4-BRKR-STD	M61	\$3,669.14	
125 - 200	130 - 270	5	47	30.4	10	285	ATL-IRR-460-N5-BRKR-STD	M61	\$9,118.79	

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



HP: 2 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Fused w/ Flange
Circuit Breaker: NEMA 1 – NEMA 5



MOST ORDERS SHIP WITHIN 24 HOURS

ATL - Standard Panel

NEMA 3R / Fused Disconnect

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Overload reset button
- Hand/Off/Auto (HOA) selector switch

Standard Features

- NEMA 1 - 5 sizes in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Fused disconnect: Flanged (fuses sold separately)

- NEMA rated contactor
- Solid state overload
 - One adjustable overload covers most HP (AMP) range for each NEMA size
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 2 HP - 50 HP
- 480V: 3 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	240V	Mult. Symbol	List Price
			H	W	D		Model Number		
2 - 7.5	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-230-N1-FUSD-STD	M61	\$1,139.82
10 - 15	15 - 45	2	29.3	20.9	7	90	ATL-IRR-230-N2-FUSD-STD	M61	\$1,320.86
20 - 30	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-230-N3-FUSD-STD	M61	\$1,834.54
40 - 50	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-230-N4-FUSD-STD	M61	\$3,302.26

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	480V	Mult. Symbol	List Price
			H	W	D		Model Number		
3 - 10	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-460-N1-FUSD-STD	M61	\$1,139.82
15 - 25	15 - 45	2	29.3	20.9	7	90	ATL-IRR-460-N2-FUSD-STD	M61	\$1,320.86
30 - 50	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-460-N3-FUSD-STD	M61	\$1,834.54
60 - 100	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-460-N4-FUSD-STD	M61	\$3,302.26
125 - 200	130 - 270	5	47	30.4	10	285	ATL-IRR-460-N5-FUSD-STD	M61	\$7,499.60

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 24
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 2 HP - 200 HP
Volts: 240V / 480V w/ 120V Transformer
Enclosure: NEMA 3R

Disconnect: Circuit Breaker w/ Flange
Circuit Breaker: NEMA 1 – NEMA 5



ATL - Standard Panel

NEMA 3R / Circuit Breaker Disconnect
 General Purpose Applications
 120V Transformer

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Overload reset button
- Hand/Off/Auto (HOA) selector switch

Standard Features

- NEMA 1 - 5 sizes in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Circuit breaker disconnect: Flanged
- NEMA rated contactor

- Solid state overload
 - One adjustable overload covers most HP (AMP) range for each NEMA size
- 120V fused control power (transformer)
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 2 HP - 50 HP
- 480V: 3 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	240V w/ 120V Transformer	Mult. Symbol	List Price
			H	W	D		Model Number		
2 - 7.5	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-230-N1-BRKR-24S	M61	\$1,497.91
10 - 15	15 - 45	2	29.3	20.9	7	90	ATL-IRR-230-N2-BRKR-24S	M61	\$1,922.81
20 - 30	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-230-N3-BRKR-24S	M61	\$2,420.78
40 - 50	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-230-N4-BRKR-24S	M61	\$4,010.52

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	480V w/ 120V Transformer	Mult. Symbol	List Price
			H	W	D		Model Number		
3 - 10	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-460-N1-BRKR-24S	M61	\$1,497.91
15 - 25	15 - 45	2	29.3	20.9	7	90	ATL-IRR-460-N2-BRKR-24S	M61	\$1,922.81
30 - 50	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-460-N3-BRKR-24S	M61	\$2,420.78
60 - 100	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-460-N4-BRKR-24S	M61	\$4,010.52
125 - 200	130 - 270	5	47	30.4	10	285	ATL-IRR-460-N5-BRKR-24S	M61	\$9,528.29

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 24
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 2 HP - 200 HP
Volts: 240V / 480V w 120V Transformer
Enclosure: NEMA 3R

Disconnect: Fused w/ Flange
Circuit Breaker: NEMA 1 – NEMA 5



ATL - Standard Panel

NEMA 3R / Fused Disconnect
 General Purpose Applications
 120V Transformer

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Overload reset button
- Hand/Off/Auto (HOA) selector switch

Standard Features

- NEMA 1 - 5 sizes in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Fused disconnect: Flanged (fuses sold separately)

- NEMA rated contactor
- Solid state overload
 - One adjustable overload covers most HP (AMP) range for each NEMA size
- 120V fused control power (transformer)
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 2 HP - 50 HP
- 480V: 3 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	240V w/ 120V Transformer	Mult. Symbol	List Price
			H	W	D		Model Number		
2 - 7.5	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-230-N1-FUSD-24S	M61	\$1,400.09
10 - 15	15 - 45	2	29.3	20.9	7	90	ATL-IRR-230-N2-FUSD-24S	M61	\$1,609.91
20 - 30	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-230-N3-FUSD-24S	M61	\$2,249.65
40 - 50	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-230-N4-FUSD-24S	M61	\$3,643.83

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	480V w/ 120V Transformer	Mult. Symbol	List Price
			H	W	D		Model Number		
3 - 10	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-460-N1-FUSD-24S	M61	\$1,400.09
15 - 25	15 - 45	2	29.3	20.9	7	90	ATL-IRR-460-N2-FUSD-24S	M61	\$1,609.91
30 - 50	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-460-N3-FUSD-24S	M61	\$2,249.65
60 - 100	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-460-N4-FUSD-24S	M61	\$3,643.83
125 - 200	130 - 270	5	47	30.4	10	285	ATL-IRR-460-N5-FUSD-24S	M61	\$6,462.52

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 24
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 2 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Circuit Breaker w/ Flange
Circuit Breaker: NEMA 1 – NEMA 5



ATL - Irrigation Panel

NEMA 3R / Circuit Breaker Disconnect
 Irrigation Pump Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Overload reset button
- Hand/Off/Auto (HOA) selector switch

Standard Features

- NEMA 1 - 5 sizes in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Circuit breaker disconnect: Flanged
- NEMA rated contactor

- Solid state overload
 - One adjustable overload covers most HP (AMP) range for each NEMA size
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 2 HP - 50 HP
- 480V: 3 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Irrigation pump / special purpose

Options

- Other options available

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	240V	Mult. Symbol	List Price
			H	W	D		Model Number		
2 - 7.5	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-230-N1-BRKR-STD	M61	\$1,237.69
10 - 15	15 - 45	2	29.3	20.9	7	90	ATL-IRR-230-N2-BRKR-STD	M61	\$1,633.92
20 - 30	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-230-N3-BRKR-STD	M61	\$2,005.76
40 - 50	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-230-N4-BRKR-STD	M61	\$3,669.14

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	480V	Mult. Symbol	List Price
			H	W	D		Model Number		
3 - 10	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-460-N1-BRKR-STD	M61	\$1,237.69
15 - 25	15 - 45	2	29.3	20.9	7	90	ATL-IRR-460-N2-BRKR-STD	M61	\$1,633.92
30 - 50	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-460-N3-BRKR-STD	M61	\$2,005.76
60 - 100	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-460-N4-BRKR-STD	M61	\$3,669.14
125 - 200	130 - 270	5	47	30.4	10	285	ATL-IRR-460-N5-BRKR-STD	M61	\$9,118.79

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 24

Warranty on pp. 201-205

Enclosure Information on p. 200

HP: 2 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Fused w/ Flange
Circuit Breaker: NEMA 1 – NEMA 5



MOST ORDERS SHIP WITHIN 24 HOURS

ATL - Irrigation Panel

NEMA 3R / Fused Disconnect

Irrigation Pump Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Overload reset button
- Hand/Off/Auto (HOA) selector switch

Standard Features

- NEMA 1 - 5 sizes in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Fused disconnect: Flanged (fuses sold separately)
- NEMA rated contactor

- Solid state overload
 - One adjustable overload covers most HP (AMP) range for each NEMA size
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 2 HP - 50 HP
- 480V: 3 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Irrigation pump / special purpose

Options

- Other options available

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	240V	Mult. Symbol	List Price
			H	W	D		Model Number		
2 - 7.5	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-230-N1-FUSD-STD	M61	\$1,139.82
10 - 15	15 - 45	2	29.3	20.9	7	90	ATL-IRR-230-N2-FUSD-STD	M61	\$1,320.86
20 - 30	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-230-N3-FUSD-STD	M61	\$1,834.54
40 - 50	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-230-N4-FUSD-STD	M61	\$3,302.26

HP ¹	Overload Amp Range	NEMA Size	Dimensions (inches)			Weight	480V	Mult. Symbol	List Price
			H	W	D		Model Number		
3 - 10	5.7 - 18.9	1	29.3	20.9	7	85	ATL-IRR-460-N1-FUSD-STD	M61	\$1,139.82
15 - 25	15 - 45	2	29.3	20.9	7	90	ATL-IRR-460-N2-FUSD-STD	M61	\$1,320.86
30 - 50	36 - 100	3	42.4	24.8	8.6	195	ATL-IRR-460-N3-FUSD-STD	M61	\$1,834.54
60 - 100	63 - 210	4	42.4	24.8	8.6	195	ATL-IRR-460-N4-FUSD-STD	M61	\$3,302.26
125 - 200	130 - 270	5	47	30.4	10	285	ATL-IRR-460-N5-FUSD-STD	M61	\$7,499.60

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 24

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

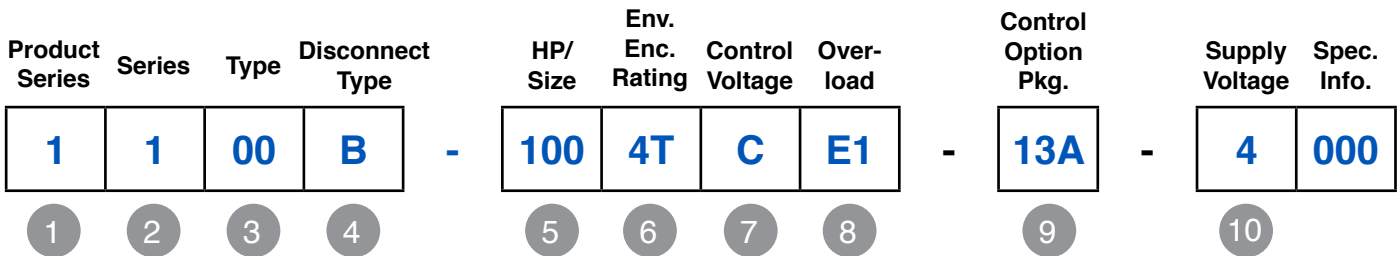
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Model Number Identifier

ATL/PWS Starter Panels - 1000 Series



Product Series

- 1 - Starter

Series

- 0 - Across the Line (ATL)
 - 1 - Part Wind Start (PWS)
 - 2 - Submersible
 - 3 - Wye - Delta
 - 4 - Duplex
 - 9 - Operator Station

Type

- 00 - 3Ph Non Reversing
- 10 - 3Ph Reversing

Disconnect Type

- B - Breaker
- D - Disconnect
- F - Fused
- N - None

HP / Size

- 005 - 5 HP
- 7P5 - 7.5 HP
- 010 - 10 HP
- 015 - 15 HP
- 020 - 20 HP
- 030 - 30 HP
- ...
- ...
- NS1 - NEMA Size 1
- NS2 - NEMA Size 2
- ...

Env. Enc. Rating

- N1—NEMA 1
- 3R—NEMA 3R
- FR—NEMA 3R Flanged
- T2—NEMA 3R Tunnel
- T3—NEMA 3R Flanged Tun
- N4—NEMA 4
- 4F—NEMA 4X Fiberglass
- 4T—NEMA 4/12
- FT—NEMA 4/12 Flanged
- 4X—NEMA 4X 304 SS
- FX—NEMA 4X 304 SS Flanged
- 4S—NEMA 4X 316 SS
- FS—NEMA 4X 316 SS Flanged
- 4P—NEMA 4X Polycarbon
- 4F—NEMA 4 Flanged
- 42—NEMA 12
- F2—NEMA 12 Flanged

Control Voltage

- A - 208VAC/60HZ
- H - 120VAC/60HZ
- B - 240VAC/60HZ
- C - 480VAC/60HZ
- D - 24VDC

Overload

- XX—None
- T1 - Thermal Class 10
- T2 - Thermal Class 20
- T3 - Thermal Class 30
- E1 - Electronic Class 10
- E2 - Electronic Class 20
- E3 - Electronic Class 30
- E4 - Elec. Class 5-10-20-30

Control Option Pkg.

- E.g. 13A
 - Hand/Off /Auto (HOA)
 - Start pushbutton
 - Overload Reset Button
 Other options available - Please refer to p. 24 & 29, or contact us at 800-884-0404 for assistance.

Supply Voltage

- 1 - 208/3PH
- 2 - 240/3PH
- 4 - 480/3PH
- 5 - 575/3PH

Spec. Info.

- 000—None
- SPC—Special Instructions
- 065—High Visibility Status Light
- 030—Elapsed Time Meter
- ☎—Multiple Options Available (p. 24 & 29)

HP: 1 HP - 100 HP
Volts: 240V w/ 120V Transformer
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through Door



ATL - Washdown Panel

NEMA 4X / Circuit Breaker

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications
 120V Transformer



Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Illuminated overload reset pushbutton
- Hand/Off/Auto (HOA) selector switch

- 120V fused control power (transformer)
- Heavy duty mounting ears
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Standard Features

- Fully Gasketed / NEMA 4X / Stainless Steel Enclosure
- Combination circuit breaker disconnect: Through-door
- IEC rated contactor
- Thermal overload (Class 10) w/ phase loss protection

Power

- 1 HP -100 HP

Warranty

- Two (2) year warranty or OPTIONAL three (3) year warranty with "Lightning & Surge" protection

Applications

- Food & beverage
- Washdown
- Corrosion resistant

Options

- Other options available

HP ¹	Overload Amp Range	Dimensions (inches)			240V w/ 120V Transformer	Mult. Symbol	List Price
		H	W	D	Model Number		
1	4 - 6	24	20	8	1000B-0014XHT1-28S-2-000	M75	\$4,454.38
1.5	4 - 6	24	20	8	1000B-1P54XHT1-28S-2-000	M75	\$4,454.38
2	5 - 8	24	20	8	1000B-0024XHT1-28S-2-000	M75	\$4,454.38
3	7 - 10	24	20	8	1000B-0034XHT1-28S-2-000	M75	\$4,454.38
5	12 - 18	24	20	8	1000B-0054XHT1-28S-2-000	M75	\$4,454.38
7.5	18 - 25	24	20	8	1000B-7P54XHT1-28S-2-000	M75	\$4,454.38
10	22 - 32	24	20	8	1000B-0104XHT1-28S-2-000	M75	\$4,468.28
15	34 - 50	24	20	8	1000B-0154XHT1-28S-2-000	M75	\$4,615.07
20	45 - 65	24	20	8	1000B-0204XHT1-28S-2-000	M75	\$4,615.07
25	54 - 75	24	20	8	1000B-0254XHT1-28S-2-000	M75	\$5,143.46
30	63 - 85	30	20	10	1000B-0304XHT1-28S-2-000	M75	\$5,143.46
40	80 - 105	30	20	10	1000B-0404XHT1-28S-2-000	M75	\$5,548.26
50	95 - 130	36	24	10	1000B-0504XHT1-28S-2-000	M75	\$5,656.42
60	100 - 160	36	24	10	1000B-0604XHT1-28S-2-000	M75	\$7,736.05
75	160 - 250	42	30	12	1000B-0754XHT1-28S-2-000	M75	\$8,380.34
100	160 - 250	42	30	12	1000B-1004XHT1-28S-2-000	M75	\$8,652.27

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 24

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 480V w/ 120V Transformer
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit
 Breaker w/ Through Door



ATL - Washdown Panel

NEMA 4X / Circuit Breaker

Food & Beverage / Pharmaceutical / General Purpose /
 Corrosion Resistant Applications

120V Transformer



Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Illuminated overload reset pushbutton
- Hand/Off/Auto (HOA) selector switch

Standard Features

- Fully Gasketed / NEMA 4X / Stainless Steel Enclosure
- Combination circuit breaker disconnect: Through-door
- IEC rated contactor
- Thermal overload (Class 10) w/ phase loss protection

- 120V fused control power (transformer)
- Heavy duty mounting ears
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 1 HP - 200 HP

Warranty

- Two (2) year warranty or OPTIONAL three (3) year warranty with “Lightning & Surge” protection

Applications

- Food & beverage
- Washdown
- Corrosion resistant

Options

- Other options available

HP ¹	Overload Amp Range	Dimensions (inches)			480V w/ 120V Transformer	Mult. Symbol	List Price
		H	W	D	Model Number		
1	1.6 - 2.5	24	16	8	1000B-0014XHT1-28S-4-000	M75	\$4,454.38
1.5	2.5 - 4	24	16	8	1000B-1P54XHT1-28S-4-000	M75	\$4,454.38
2	2.5 - 4	24	16	8	1000B-0024XHT1-28S-4-000	M75	\$4,454.38
3	4 - 6	24	16	8	1000B-0034XHT1-28S-4-000	M75	\$4,454.38
5	5 - 8	24	16	8	1000B-0054XHT1-28S-4-000	M75	\$4,454.38
7.5	9 - 13	24	16	8	1000B-7P54XHT1-28S-4-000	M75	\$4,454.38
10	12 - 18	24	16	8	1000B-0104XHT1-28S-4-000	M75	\$4,454.38
15	16 - 22	24	16	8	1000B-0154XHT1-28S-4-000	M75	\$4,480.65
20	22 - 32	24	16	8	1000B-0204XHT1-28S-4-000	M75	\$4,503.83
25	28 - 40	24	16	8	1000B-0254XHT1-28S-4-000	M75	\$4,513.08
30	28 - 40	24	16	8	1000B-0304XHT1-28S-4-000	M75	\$4,542.44
40	45 - 65	24	16	8	1000B-0404XHT1-28S-4-000	M75	\$4,666.06
50	45 - 65	24	16	8	1000B-0504XHT1-28S-4-000	M75	\$4,666.06
60	63 - 85	24	20	10	1000B-0604XHT1-28S-4-000	M75	\$5,191.36
75	80 - 100	24	20	10	1000B-0754XHT1-28S-4-000	M75	\$5,268.62
100	95 - 130	30	24	10	1000B-1004XHT1-28S-4-000	M75	\$5,670.33
125	100 - 160	30	24	10	1000B-1254XHT1-28S-4-000	M75	\$7,748.42
150	160 - 250	36	30	12	1000B-1504XHT1-28S-4-000	M75	\$8,392.71
200	160 - 250	36	30	12	1000B-2004XHT1-28S-4-000	M75	\$8,652.27

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 24

Warranty on pp. 201-205

Enclosure Information on p. 200

ACROSS THE LINE (ATL) PANEL OPTIONS

ATL SERIES	ATL - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
PUSHBUTTONS (REQUIRES TRANSFORMER)		
004	Start Pushbutton	\$171.40
005	Stop Pushbutton	\$171.40
043	Start / Stop Pushbutton	\$234.74
009	Raised Pushbutton - Specify Color and Function	\$171.40
010	Flush Pushbutton - Specify Color and Function	\$188.79
011	Mushroom Type Pushbutton - Specify Color and Function	\$262.69
012	Illuminated Pushbutton - Specify Color and Function	\$345.28
001	ATL / PWS Overload Reset Pushbutton	\$178.85
PILOT LIGHTS (REQUIRES TRANSFORMER)		
006	Run Light	\$197.48
013	Stop Light	\$197.48
023	Power On Light	\$197.48
014	Fault Light	\$197.48
015	Ready Light	\$197.48
016	Bypass Light	\$197.48
017	Red Light - Specify Function	\$197.48
018	Green Light - Specify Function	\$197.48
019	Amber Light - Specify Function	\$197.48
020	White Light - Specify Function	\$197.48
021	Blue Light - Specify Function	\$197.48
022	Push to Test Contact Assembly	\$197.48
SELECTOR SWITCHES		
024	Hand/Off/Auto/ (HOA) Selector Switch	\$247.78
025	Local/Off/Remote Selector Switch	\$247.78
026	Key Operated Hand/Off/Auto Selector Switch	\$409.86
002	Two Position Selector Switch - Specify Function	\$201.21
003	Three Position Selector Switch - Specify Function	\$244.06
027	Other Selector Switch - Specify Function and Type	☎
METERS (REQUIRES TRANSFORMER)		
030	Elapsed Time Meter	\$293.12
031	Other Power Metering - Specify Function	☎
TIMERS (REQUIRES TRANSFORMER)		
037	24/7 Programmable timer	\$149.04
116	0-10 Minute Restart (Back Spin) Timer	\$186.30
156	Percentage Timer	\$517.50
UNIVERSAL RAIN TIGHT HUBS		
TC75	3/4" Diameter	\$31.31
TC100	1" Diameter	\$31.31
TC125	1 1/4" Diameter	\$18.14
TC150	1 1/2" Diameter	\$31.31
TC200	2" Diameter	\$31.31
TC250	2 1/2" Diameter	\$18.44
TC300	3" Diameter	\$80.63
ADVANCED FAULT / STATUS MONITORING OPTIONS (REQUIRES TRANSFORMER)		
110	Stack / Tower Light - 360° Visibility (Red / Yellow / Green) w/ 6' Cable	\$894.24
052	Two Way Cellular Communication & Functionality	☎
061	Cloud Based Remote Monitoring	☎
FUSES		
-	We Stock Fuses for Convenience. Please Call for Pricing.	☎
SPACE HEATERS (REQUIRES TRANSFORMER)		
034	Space Heater with Thermostat	\$529.10
MISCELLANEOUS		
054	Transformer	\$185.06
PROTECTION MECHANISMS (REQUIRES TRANSFORMER)		
115	SymCom MotorSaver® Model 460	\$253.37
063	"Lightning and Surge" Protection (pp. 203 - 204) - All panels will include line side lightning, surge and severe over voltage protection. In addition, all soft starter & VFD panels will include load side single phasing, phase reversal and voltage unbalance protection, and are eligible for NAE's "No Hassle" Chassis Exchange Program	\$1552.50

MotorSaver® is a registered trademark of SymCom, Inc.
 ☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.



HP: 10 HP - 200 HP
Volts: 240V / 480V w/ 120 Transformer
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker w/ Through Door



PWS - Standard Panel

NEMA 3R / Circuit Breaker Disconnect

General Purpose Applications

120V Fused Control Power (Transformer)

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated overload reset pushbuttons

Standard Features

- 10 HP - 200 HP in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect: Through-door

- IEC rated contactors
- Thermal overload (Class 20) w/ phase loss protection
- Heavy duty mounting ears
- Padlockable door and disconnect
- 120V fused control power (transformer)
- Service entry rated
- UL 508A certified

Power

- 240V: 10HP - 75 HP
- 480V: 10 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Overload Amp Range	Dimensions (inches)			240V w/ 120V Transformer	Mult. Symbol	List Price
		H	W	D	Model Number		
10	24 - 36	30	24	10	1100B-0103RHT2-28S-2-000	M80	\$3,362.78
15	36 - 50	30	24	10	1100B-0153RHT2-28S-2-000	M80	\$3,414.68
20	44 - 64	30	24	10	1100B-0203RHT2-28S-2-000	M80	\$3,496.69
25	56 - 80	30	24	10	1100B-0253RHT2-28S-2-000	M80	\$3,615.53
30	68 - 100	30	24	10	1100B-0303RHT2-28S-2-000	M80	\$3,936.92
40	90 - 130	36	30	12	1100B-0403RHT2-28S-2-000	M80	\$3,936.92
50	108 - 150	36	30	12	1100B-0503RHT2-28S-2-000	M80	\$5,230.80
60	126 - 170	36	30	12	1100B-0603RHT2-28S-2-000	M80	\$5,291.06
75	160 - 200	36	30	12	1100B-0753RHT2-28S-2-000	M80	\$6,221.74

HP ¹	Overload Amp Range	Dimensions (inches)			480V w/ 120V Transformer	Mult. Symbol	List Price
		H	W	D	Model Number		
10	10 - 16	30	24	10	1100B-0103RHT2-28S-4-000	M80	\$3,362.78
15	18 - 26	30	24	10	1100B-0153RHT2-28S-4-000	M80	\$3,362.78
20	24 - 36	30	24	10	1100B-0203RHT2-28S-4-000	M80	\$3,362.78
25	24 - 36	30	24	10	1100B-0253RHT2-28S-4-000	M80	\$3,362.78
30	36 - 50	30	24	10	1100B-0303RHT2-28S-4-000	M80	\$3,414.68
40	44 - 64	30	24	10	1100B-0403RHT2-28S-4-000	M80	\$3,496.69
50	56 - 80	30	24	10	1100B-0503RHT2-28S-4-000	M80	\$3,615.53
60	68 - 100	30	24	10	1100B-0603RHT2-28S-4-000	M80	\$3,936.92
75	90 - 130	30	24	10	1100B-0753RHT2-28S-4-000	M80	\$3,936.92
100	108 - 150	36	30	12	1100B-1003RHT2-28S-4-000	M80	\$5,230.80
125	126 - 170	36	30	12	1100B-1253RHT2-28S-4-000	M80	\$5,291.06
150	160 - 200	36	30	12	1100B-1503RHT2-28S-4-000	M80	\$6,221.74
200	220 - 300	42	36	12	1100B-2003RHT2-28S-4-000	M80	\$6,521.36

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 29
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 10 HP - 100 HP
Volts: 240V / 480V w/ 120V Transformer
Enclosure: NEMA 3R

Disconnect: Combination Fused
 w/ Through Door



PWS - Standard Panel

NEMA 3R / Fused Disconnect
 General Purpose Applications
 120V Fused Control Power (Transformer)

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated overload reset pushbuttons

Standard Features

- 10 HP - 100 HP in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination fused: Through-door
- IEC rated contactors

- Thermal overload (Class 20) w/ phase loss protection
- Accepts type J fuses (fuses included)
- Heavy duty mounting ears
- Padlockable door and disconnect
- 120V fused control power (transformer)
- Service entry rated
- UL 508A certified

Power

- 240V: 10HP - 50 HP
- 480V: 10 HP - 100 HP

Warranty

- Two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Overload Amp Range	Dimensions (inches)			240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D	Model Number			
10	24 - 36	30	24	10	1100F-0103RHT2-28S-2-000		M80	\$3,367.80
15	36 - 50	30	24	10	1100F-0153RHT2-28S-2-000		M80	\$3,396.28
20	44 - 64	36	30	12	1100F-0203RHT2-28S-2-000		M80	\$4,238.21
25	56 - 80	36	30	12	1100F-0253RHT2-28S-2-000		M80	\$4,303.49
30	68 - 100	42	30	12	1100F-0303RHT2-28S-2-000		M80	\$5,398.17
40	90 - 130	42	30	12	1100F-0403RHT2-28S-2-000		M80	\$5,655.96
50	108 - 150	42	30	12	1100F-0503RHT2-28S-2-000		M80	\$6,158.10

HP ¹	Overload Amp Range	Dimensions (inches)			480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D	Model Number			
10	10 - 16	30	24	10	1100F-0103RHT2-28S-4-000		M80	\$3,344.38
15	18 - 26	30	24	10	1100F-0153RHT2-28S-4-000		M80	\$3,344.38
20	24 - 36	30	24	10	1100F-0203RHT2-28S-4-000		M80	\$3,367.80
25	24 - 36	30	24	10	1100F-0253RHT2-28S-4-000		M80	\$3,367.80
30	36 - 50	30	24	10	1100F-0303RHT2-28S-4-000		M80	\$3,396.28
40	44 - 64	36	24	10	1100F-0403RHT2-28S-4-000		M80	\$4,238.21
50	56 - 80	36	24	10	1100F-0503RHT2-28S-4-000		M80	\$4,303.49
60	68 - 100	42	30	12	1100F-0603RHT2-28S-4-000		M80	\$5,398.17
75	90 - 130	42	30	12	1100F-0753RHT2-28S-4-000		M80	\$5,655.96
100	108 - 150	42	30	12	1100F-1003RHT2-28S-4-000		M80	\$6,158.10

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 29

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 10 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker w/ Through Door



PWS - Irrigation Panel

NEMA 3R / Circuit Breaker Disconnect

Irrigation Pump Applications

120V Fused Control Power (Transformer)

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated overload reset pushbuttons

Package Features

- 10 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect: Through-door

- IEC rated contactors
- Thermal overload (Class 20) w/ phase loss protection
- Heavy duty mounting ears
- Padlockable door and disconnect
- 120V fused control power (transformer)
- Service entry rated
- UL 508A certified

Power

- 240V: 10HP - 75 HP
- 480V: 10 HP - 200 HP

Warranty

- Two (2) year warranty

Applications

- Irrigation / Special Purpose

Options

- Other options available

HP ¹	Overload Amp Range	Dimensions (inches)			240V w/ 120V Transformer	Mult. Symbol	List Price
		H	W	D	Model Number		
10	24 - 36	30	24	10	1100B-0103RHT2-28S-2-000	M80	\$3,362.78
15	36 - 50	30	24	10	1100B-0153RHT2-28S-2-000	M80	\$3,414.68
20	44 - 64	30	24	10	1100B-0203RHT2-28S-2-000	M80	\$3,496.69
25	56 - 80	30	24	10	1100B-0253RHT2-28S-2-000	M80	\$3,615.53
30	68 - 100	30	24	10	1100B-0303RHT2-28S-2-000	M80	\$3,936.92
40	90 - 130	36	30	12	1100B-0403RHT2-28S-2-000	M80	\$3,936.92
50	108 - 150	36	30	12	1100B-0503RHT2-28S-2-000	M80	\$5,230.80
60	126 - 170	36	30	12	1100B-0603RHT2-28S-2-000	M80	\$5,291.06
75	160 - 200	36	30	12	1100B-0753RHT2-28S-2-000	M80	\$6,221.74

HP ¹	Overload Amp Range	Dimensions (inches)			480V w/ 120V Transformer	Mult. Symbol	List Price
		H	W	D	Model Number		
10	10 - 16	30	24	10	1100B-0103RHT2-28S-4-000	M80	\$3,362.78
15	18 - 26	30	24	10	1100B-0153RHT2-28S-4-000	M80	\$3,362.78
20	24 - 36	30	24	10	1100B-0203RHT2-28S-4-000	M80	\$3,362.78
25	24 - 36	30	24	10	1100B-0253RHT2-28S-4-000	M80	\$3,362.78
30	36 - 50	30	24	10	1100B-0303RHT2-28S-4-000	M80	\$3,414.68
40	44 - 64	30	24	10	1100B-0403RHT2-28S-4-000	M80	\$3,496.69
50	56 - 80	30	24	10	1100B-0503RHT2-28S-4-000	M80	\$3,615.53
60	68 - 100	30	24	10	1100B-0603RHT2-28S-4-000	M80	\$3,936.92
75	90 - 130	30	24	10	1100B-0753RHT2-28S-4-000	M80	\$3,936.92
100	108 - 150	36	30	12	1100B-1003RHT2-28S-4-000	M80	\$5,230.80
125	126 - 170	36	30	12	1100B-1253RHT2-28S-4-000	M80	\$5,291.06
150	160 - 200	36	30	12	1100B-1503RHT2-28S-4-000	M80	\$6,221.74
200	220 - 300	42	36	12	1100B-2003RHT2-28S-4-000	M80	\$6,521.36

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 29
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 10 HP - 100 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Combination Fused
 w/ Through Door



PWS - Irrigation Panel

NEMA 3R / Fused Disconnect

Irrigation Pump Applications

120V Fused Control Power (Transformer)

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated overload reset pushbuttons

Package Features

- 10 HP - 100 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination fused: Through-door
- IEC rated contactors

- Thermal overload (Class 20) w/ phase loss protection
- Accepts type J fuses (fuses included)
- Heavy duty mounting ears
- Padlockable door and disconnect
- 120V fused control power (transformer)
- Service entry rated
- UL 508A certified

Power

- 240V: 10HP - 50 HP
- 480V: 10 HP - 100 HP

Warranty

- Two (2) year warranty

Applications

- Irrigation pump / special purpose

Options

- Other options available

HP ¹	Overload Amp Range	Dimensions (inches)			240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D	Model Number			
10	24 - 36	30	24	10	1100F-0103RHT2-28S-2-000		M80	\$3,367.80
15	36 - 50	30	24	10	1100F-0153RHT2-28S-2-000		M80	\$3,396.28
20	44 - 64	36	30	12	1100F-0203RHT2-28S-2-000		M80	\$4,238.21
25	56 - 80	36	30	12	1100F-0253RHT2-28S-2-000		M80	\$4,303.49
30	68 - 100	42	30	12	1100F-0303RHT2-28S-2-000		M80	\$5,398.17
40	90 - 130	42	30	12	1100F-0403RHT2-28S-2-000		M80	\$5,655.96
50	108 -150	42	30	12	1100F-0503RHT2-28S-2-000		M80	\$6,158.10

HP ¹	Overload Amp Range	Dimensions (inches)			480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D	Model Number			
10	10 - 16	30	24	10	1100F-0103RHT2-28S-4-000		M80	\$3,344.38
15	18 - 26	30	24	10	1100F-0153RHT2-28S-4-000		M80	\$3,344.38
20	24 - 36	30	24	10	1100F-0203RHT2-28S-4-000		M80	\$3,367.80
25	24 - 36	30	24	10	1100F-0253RHT2-28S-4-000		M80	\$3,367.80
30	36 - 50	30	24	10	1100F-0303RHT2-28S-4-000		M80	\$3,396.28
40	44 - 64	36	24	10	1100F-0403RHT2-28S-4-000		M80	\$4,238.21
50	56 - 80	36	24	10	1100F-0503RHT2-28S-4-000		M80	\$4,303.49
60	68 - 100	42	30	12	1100F-0603RHT2-28S-4-000		M80	\$5,398.17
75	90 - 130	42	30	12	1100F-0753RHT2-28S-4-000		M80	\$5,655.96
100	108 - 150	42	30	12	1100F-1003RHT2-28S-4-000		M80	\$6,158.10

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on p. 29
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

ATL SERIES	ATL - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
PUSHBUTTONS (REQUIRES TRANSFORMER)		
004	Start Pushbutton	\$171.40
005	Stop Pushbutton	\$171.40
043	Start / Stop Pushbutton	\$234.74
009	Raised Pushbutton - Specify Color and Function	\$171.40
010	Flush Pushbutton - Specify Color and Function	\$188.79
011	Mushroom Type Pushbutton - Specify Color and Function	\$262.69
012	Illuminated Pushbutton - Specify Color and Function	\$345.28
001	ATL / PWS Overload Reset Pushbutton	\$178.85
PILOT LIGHTS (REQUIRES TRANSFORMER)		
006	Run Light	\$197.48
013	Stop Light	\$197.48
023	Power On Light	\$197.48
014	Fault Light	\$197.48
015	Ready Light	\$197.48
016	Bypass Light	\$197.48
017	Red Light - Specify Function	\$197.48
018	Green Light - Specify Function	\$197.48
019	Amber Light - Specify Function	\$197.48
020	White Light - Specify Function	\$197.48
021	Blue Light - Specify Function	\$197.48
022	Push to Test Contact Assembly	\$197.48
SELECTOR SWITCHES		
024	Hand/Off/Auto/ (HOA) Selector Switch	\$247.78
025	Local/Off/Remote Selector Switch	\$247.78
026	Key Operated Hand/Off/Auto Selector Switch	\$409.86
002	Two Position Selector Switch - Specify Function	\$201.21
003	Three Position Selector Switch - Specify Function	\$244.06
027	Other Selector Switch - Specify Function and Type	☎
METERS (REQUIRES TRANSFORMER)		
030	Elapsed Time Meter	\$293.12
031	Other Power Metering - Specify Function	☎
TIMERS (REQUIRES TRANSFORMER)		
037	24/7 Programmable timer	\$149.04
116	0-10 Minute Restart (Back Spin) Timer	\$186.30
156	Percentage Timer	\$517.50
ADVANCED FAULT / STATUS MONITORING OPTIONS (REQUIRES TRANSFORMER)		
110	Stack / Tower Light - 360° Visibility (Red / Yellow / Green) w/ 6' Cable	\$894.24
052	Two Way Cellular Communication & Functionality	☎
061	Cloud Based Remote Monitoring	☎
FUSES		
-	We Stock Fuses for Convenience. Please Call for Pricing.	☎
SPACE HEATERS (REQUIRES TRANSFORMER)		
034	Space Heater with Thermostat	\$529.10
MISCELLANEOUS		
054	Transformer	\$185.06
PROTECTION MECHANISMS (REQUIRES TRANSFORMER)		
115	SymCom MotorSaver® Model 460	\$253.37
063	"Lightning and Surge" Protection (pp. 203 - 204) - All panels will include line side lightning, surge and severe over voltage protection. In addition, all soft starter & VFD panels will include load side single phasing, phase reversal and voltage unbalance protection, and are eligible for NAE's "No Hassle" Chassis Exchange Program	\$1552.50

MotorSaver® is a registered trademark of SymCom, Inc.

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

AMP Range: 18A - 320A
Volts: 208...600VAC

Drive: Lovato ADXL
Starting: Normal Starting (Class 10E)



Soft Starter

Chassis

Lovato ADXL



Standard Features / Specifications

Standard Features

- Two phase control
- Integrated bypass
- Backlit icon LCD
- App for smartphone and tablet
- Status LEDs (power, ramp / run, fault)
- Front-mounted keypad with 4 keys, for full parameter setting
- AUTOSSET wizard for quick configuration in 4 steps of typical applications (pumps, fire fighting pumps, belt conveyors, mixers, fan, general purpose)

- Input voltage: 208...600VAC ±10%
- Network frequency: 50/60 Hz ±10% self-configurable
- 100...240VAC auxiliary power supply
- Signaling LED: power supply within limits, signaling of startup or bypass phase, alarm
- Three programmable outputs 1 changeover contact, 2 normally open contacts
- Two programmable digital inputs
- One programmable digital input, that can also be used as a PTC input.

Power

- Voltage ratings 208...600VAC
- Aux power supply 100...240VAC
- Double power terminals

Warranty

- One (1) Year Warranty

Applications

- Pumps, fire fighting pumps, belt conveyors, mixers, fan, general purpose

Options

- Password protection available

Full Load Amps	Frame	UL Rated Motor Power (HP)					Dimensions (inches)			Key Pad Built-In	Model Number	Mult. Symbol	List Price
		208 VAC	220/240 VAC	380/415 VAC	440/480 VAC	550/600 VAC	H	W	D				
18	1	5	5	10	10	15	8.6	3	6.8	✓	SS-ADXL0018600	M85	\$833.81
28	1	10	10	15	20	25	8.6	3	6.8	✓	SS-ADXL0030600	M85	\$898.21
44	1	10	15	25	30	40	8.6	3	6.8	✓	SS-ADXL0045600	M85	\$962.60
60	1	20	20	30	40	50	8.6	3	6.8	✓	SS-ADXL0060600	M85	\$1,026.98
75	2	25	25	40	50	60	8.9	3.7	7.2	✓	SS-ADXL0075600	M85	\$1,284.53
83	2	25	30	50	60	75	8.9	3.7	7.2	✓	SS-ADXL0085600	M85	\$1,574.28
114	2	40	40	60	75	100	8.9	3.7	7.2	✓	SS-ADXL0115600	M85	\$1,992.78
130	3	40	50	75	100	125	11.9	8.3	8.5	✓	SS-ADXL0135600UL	M85	\$2,701.04
156	3	50	60	75	125	150	11.9	8.3	8.5	✓	SS-ADXL0162600UL	M85	\$3,055.17
192	4	60	75	100	150	200	19.1	8.3	8.5	✓	SS-ADXL0195600UL	M85	\$3,634.66
248	4	75	100	150	200	250	19.1	8.3	8.5	✓	SS-ADXL0250600UL	M85	\$4,181.95
320	4	100	125	200	250	300	19.1	8.3	8.5	✓	SS-ADXL0320600UL	M85	\$4,664.85

ADXL Soft Start Accessories

Description	Model Number	Mult. Symbol	List Price
USB Connection Dongle PC to ADXL	SS-ADXL-CX01	M85	\$318.72
Wi-Fi Connection Dongle PC to ADXL	SS-ADXL-CX02	M85	\$640.65
Kit of 3 Terminal Lugs for ADXL0135600...ADXL0195600	SS-ADXL-EXA01	M85	\$61.16
Kit of 3 Terminal Protection for ADXL0135600...ADXL0195600	SS-ADXL-EXA02	M85	\$106.24
Kit of 3 Terminal Lugs for ADXL0250600...ADXL0320600	SS-ADXL-EXA03	M85	\$196.38
Kit of 3 Terminal Protection for ADXL0250600...ADXL0320600	SS-ADXL-EXA04	M85	\$172.23
RS485 Communication Card	SS-ADXL-EXC1042	M85	\$80.49
RS232/RS422/RS485 - Ethernet Gateway	SS-ADXL-EXCCON01	M85	\$1,123.56
External RS485 Gateway/3G Modem	SS-ADXL-EXCM3G01	M85	\$1,928.40
Remote Display Unit	SS-ADXL-EXCRDU1	M85	\$482.91
DIN Guide Kit for Frame Size 1 and 2	SS-ADXL-EXP8003	M85	\$48.30
Fan for Frame Size 1 and 2	SS-ADXL-EXP8004	M85	\$160.97



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

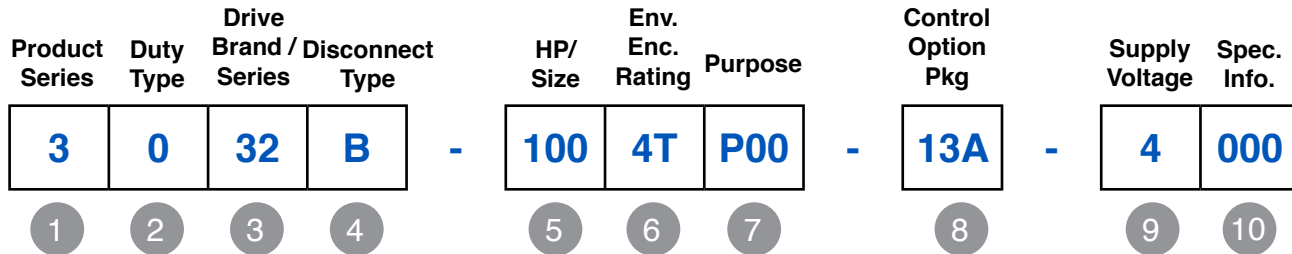
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Model Number Identifier

RVSS (Soft Starter) Panels - 3000 Series



Product Series

1. 3 - RVSS

Duty Type

Siemens Panels

- 2. 0 - Normal Starting (Class 10 & Class 10E)
 - 1 - Heavy Starting (Class 20E)
 - 2 - Heavy Starting (Class 30E)

SAF Panels

- 1 - Heavy Starting

Drive Brand / Series

- 3. 20- SAF MS6
 - 41 - Siemens 3RW40
 - 45 - Siemens 3RW50
 - 43 - Siemens 3RW52
 - 44 - Siemens 3RW55

Disconnect Type

- 4. B - Breaker
- F - Fused
- N - None

HP / Size

- 5. 005 - 5
- 7P5 - 7.5
- 010 - 10
- 015 - 15
- 020 - 20
- 030 - 30
- ...
- ...
- 700 - 700

Env. Enc. Rating

- 6. N1—NEMA 1
- 3R—NEMA 3R
- FR—NEMA 3R Flanged
- T2—NEMA 3R Tunnel
- T3—NEMA 3R Flanged Tun
- N4—NEMA 4
- 4F—NEMA 4X Fiberglass
- 4T—NEMA 4/12
- FT—NEMA 4/12 Flanged
- 4X—NEMA 4X 304 SS
- FX—NEMA 4X 304 SS Flanged
- 4S—NEMA 4X 316 SS
- FS—NEMA 4X 316 SS Flanged
- 4P—NEMA 4X Polycarbon
- 4F—NEMA 4 Flanged
- 42—NEMA 12
- F2—NEMA 12 Flanged

Purpose

- 7. P00 - General

Control Option Pkg

- 8. E.g. 13A
 - Hand/Off /Auto (HOA)
 - Start pushbutton
 - Overload Reset Button
 Other options available - Please refer to pp. 132-133, or contact us at 800-884-0404 for assistance.

Supply Voltage





- 9. 1 - 208/3PH
- 2 - 240/3PH
- 4 - 480/3PH
- 5 - 575/3PH
- 6 - 690/3PH

Spec. Info.

- 10. 000—None
- SPC—Special Instructions
- 065—High Visibility Status Light
- 030—Elapsed Time Meter
- ☎—Multiple Options Available (pp. 132-133)



Soft Starter Application Ranges

High Performance 	3RW55 7.5 to 1000 HP $(\sqrt{3})$ to 1700 HP	3-phase control
	3RW55 Failsafe 7.5 to 400 HP $(\sqrt{3})$ to 750 HP	
General Performance 	3RW52 7.5 to 400 HP $(\sqrt{3})$ to 750 HP	2-phase control
Basic Performance 	3RW40 7.5 to 75 HP 3RW30 1.5 to 75 HP 3RW50 100 to 400 HP	
Typical applications for SIRIUS 3RW Softstarters		
		
Pumping Ventilating Compressing Conveying Processing		

Basic Performance

SIRIUS 3RW30/40/50 soft starters are one of the world's most compact two-phase control soft starters in the power range from 1.5 HP (at 400 V) to 400 HP (at 400 V) thanks to their innovative control principle. Their compact design helps you save space in the control panel configurations. SIRIUS 3RW30/40/50 soft starters are the ideal solution for simple applications of all kinds.

General Performance

SIRIUS 3RW52 soft starters are an ideal solution for standard applications. With 3-phase motor control, they cover the power range from 7.5 HP (at 400 V) to 400 HP in standard circuits or up to 750 HP (at 400 V) in inside-delta circuits. With optional HMI modules, communication options (PROFINET, PROFIBUS, Modbus RTU/TCP, EtherNet IP) and the choice between an analog output or thermistor motor protection, they offer maximum flexibility.

High Performance

Equipped with maximum functionality, the SIRIUS 3RW55 all-rounder masters even difficult starting and stopping operations. Thanks to its innovative torque control, it can be used for drives in a performance class up to 1000 HP (at 400 V) in in-line circuits or 1,700 HP (at 400 V) in inside-delta circuits. The optional communication module for PROFINET High Feature with 2 ports, which facilitates media redundancy in a ring topology, means even greater reliability for the user. The functionality designed for easy handling ensures maximum operating convenience.



Soft Starter Applications

	High Performance	General Performance	Basic Performance			
Normal Starting (Class 10E)						
Pumps	•	•	•	•	•	•
Pumps with special pump stop (to prevent water hammer)	•	•	◉	◉	•	•
Heat pumps	•	•	•	•	•	•
Hydraulic pumps	•	•	•	•	•	◉
Presses	•	•	•	•	•	◉



Soft Starter Applications

	High Performance	General Performance	Basic Performance			
Normal Starting (Class 10E) Cont.						
Conveyor belts	•	•	•	•	•	⊙
Roller conveyors	•	•	•	•	•	⊙
Screw conveyors	•	•	•	•	•	⊙
Escalators	•	•	•	•	•	
Piston compressors	•	•	•	•	•	
Screw compressors	•	•	•	•	•	
Small fans ¹	•	•	•	•	•	
Centrifugal blowers	•	•	•	•	•	
Bow thrusters	•	•	•	•	•	
Heavy Starting (CLASS 20)						
Stirrers	•	•	⊙	⊙	⊙	
Extruders	•	•	⊙	⊙	⊙	
Lathes	•	•	⊙	⊙	⊙	
Milling machines	•	•	⊙	⊙	⊙	
Heavy Starting (CLASS 30)						
Large fans ²	•	•				
Circular saws/bandsaws	•	•				
Centrifuges	•	•				
Mills	•	•				
Crushers	•	•				

* This product is a custom order. Contact your customer service representative for more information.

- Recommended soft starter
- ⊙ Potential soft starter

- 1) The mass inertia of the fan is <10 times the mass inertia of the motor.
- 2) The mass inertia of the fan is >10 times the mass inertia of the motor.



Soft Starter Features

	High Performance	General Performance	Basic Performance					
General Technical Specifications								
Operational current at 40 °C	A	13 ... 2 217	13 ... 987	13 ... 987	143 ... 570	12.5 ... 106	3 ... 106	
Operational voltage	V	200 ... 690 ¹	200 ... 480	200 ... 600	200 ... 600	200 ... 600	200 ... 480	
Operating power for three-phase motors								
At 400 V, at 40 °C	- Standard circuit	kW	5.5 ... 710	5.5 ... 315	5 ... 315	5.5 ... 315	5.5 ... 55	1 ... 55
	- Inside-delta circuit	kW	11 ... 1 200	11 ... 560	11 ... 560	--	--	--
At 460/480 V at 50 °C	- Standard circuit	hp	7.5 ... 1 000	7.5 ... 400	7.5 ... 400	100 ... 400	7.5 ... 75	1.5 ... 75
	- Inside-delta circuit	hp	10 ... 1 700	10 ... 750	10 ... 750	--	--	--
Ambient temperature ²⁾	°C	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	
Soft starting/ramp-down		•	•	•	•	•	• ³	
Voltage ramp		•	•	•	•	•	•	
Starting voltage	%	20 ... 100	20 ... 100	30 ... 100	30 ... 100	40 ... 100	40 ... 100	



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



Soft Starter Features

	High Performance	General Performance	Basic Performance			
General Technical Specifications						
Ramp-up and ramp-down time	s	0 ... 360	0 ... 360	0 ... 20	0 ... 20	0 ... 20 ³⁾
Pump stop (torque control) ⁴⁾	%	• Starting torque	•	--	--	--
		• Torque limit	•	--	--	--
			10 ... 100	10 ... 100	--	--
	%	20 ... 200	20 ... 200	--	--	--
Soft Torque (torque limit)		--	--	•	--	--
Integral bypass contact system		•	•	•	•	•
Intrinsic device protection		•	•	•	•	--
Motor overload protection		• ⁵⁾	• ⁵⁾	•	• ⁵⁾	--
Thermistor motor protection evaluation		•	•	• ⁶⁾	• ⁶⁾	--
Analog output		•	•	• ⁶⁾	• ⁶⁾	--
Remote RESET		•	•	•	•	--
Adjustable current limiting		•	•	•	•	--
Inside-delta circuit ¹⁾		•	•	•	--	--
Breakaway pulse		•	•	--	--	--
Automatic parameterization		•	•	--	--	--
Pump cleaning		•	•	--	--	--
Condition monitoring		•	•	--	--	--
User account administration ⁸⁾		•	•	--	--	--
Creep speed in both directions of rotation		•	--	--	--	--
Reversing duty		•	•	--	--	--
Reversing DC braking ⁴⁾⁷⁾		•	--	--	--	--
DC braking ⁴⁾⁷⁾		•	--	--	--	--
Dynamic DC braking ⁴⁾⁷⁾		•	--	--	--	--
Motor heating		•	--	--	--	--
Communication function ⁹⁾		•	•	•	•	--
HMI module installable in the cabinet door		•	•	• ⁹⁾	• ⁹⁾	--
Operating measured value display		•	•	• ⁹⁾	• ⁹⁾	--
Logbooks		•	•	• ⁹⁾	• ⁹⁾	--
Statistical data and slave pointer function		•	•	• ⁹⁾	• ⁹⁾	--
Trace function ⁸⁾		•	•	--	--	--
Programmable control inputs and outputs		•	•	--	--	--
Number of parameter sets		3	3	1	1	1
Parameterizable via software ⁸⁾		•	•	--	--	--
Number of controlled phases		3	3	3	2	2
Heavy starting CLASS 30 ⁶⁾		•	•	--	--	--

* This product is a custom order. Contact your customer service representative for more information.

Function Available:

-- Function not available

- 1) Inside-delta circuit only up to operational voltage 600 V.
- 2) Note derating above 40 °C.
- 3) Only soft starting available for 3RW30.
- 4) Calculate soft starter and motor with size allowance where required.

- 5) When using the motor overload protection according to ATEX/IECEX, an upstream contactor may be required.
- 6) Special device versions only.
- 7) Not possible in inside-delta circuit.
- 8) With software Soft Starter ES (TIA Portal).
- 9) Only in conjunction with special accessories.



Soft Starter: Basic Performance

Series: 3RW40



3RW40

Starting Class Details

Type	Basic Performance				
		3RW4024	3RW4026	3RW4027	3RW4028
Power Electronics					
Load rating with rated operational current I_e					
IEC + UL/CSA, individual mounting at 40/50/60°C, AC-53a	A	12.5/11/10	25.3/23/21	32.2/29/26	38/34/31
Smallest adjustable rated motor current I_M For the motor overload protection	A	5	10	17	23
Power loss					
• In operation after completed starting with uninterrupted rated operational current (40 °C) approx.	W	2	8	13	19
• During starting with current limiting set to 300% I_M (40 °C)	W	68	188	220	256
Normal starting (CLASS 10)					
Rated motor current I_M^2 : at 40/50 °C					
- Start-up time 3 s	A	12.5/11	25/23	32/29	38/34
- Starts per hour ³⁾	1/h	50/50	23/23	23/23	19/19
Rated motor current I_M^2 : at 40/50 °C					
- Start-up time 4 s	A	12.5/11	25/23	32/29	38/34
- Starts per hour ³⁾	1/h	36/36	15/15	16/16	12/12
Heavy starting (CLASS 20)					
Rated motor current I_M^2 : at 40/50 °C					
- Start-up time 6 s	A	10/9	21/19	27/24	31/28
- Starts per hour ³⁾	1/h	47/47	21/21	20/20	18/18
Rated motor current I_M^2 : at 40/50 °C					
- Start-up time 8 s	A	10/9	21/19	27/24	31/28
- Starts per hour ³⁾	1/h	34/34	15/15	14/14	13/13

1) Measurement at 60 °C according to UL/CSA not required.
 2) Current limiting on soft starter set to 300% I_M , $T_u = 40/50^\circ\text{C}$.
 Maximum adjustable rated motor current I_M dependent on CLASS setting.

3) For intermittent duty S4 with ON period = 30%, $T_e = 40/50^\circ\text{C}$, stand-alone installation vertical. The quoted switching frequencies do not apply for automatic mode.

Soft Starter: Basic Performance
Series: 3RW40



3RW40

Starting Class Details

Type	Basic Performance					
	3RW4036	3RW4037	3RW4038	3RW4046	3RW4047	
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA ¹⁾ , individual mounting at 40/50/60°C, AC-53a	A	45/42/39	63/58/53	72/62.1/60	80/73/66	106/98/90
Smallest adjustable rated motor current I_M For the motor overload protection						
	A	23	26	35	43	46
Power loss						
• In operation after completed starting with uninterrupted rated operational current (40 °C) approx.	W	6	12	15	12	21
• During starting with 300% I_M (40 °C)	W	316	444	500	576	768
Normal starting (CLASS 10)						
Rated motor current $I_M^{2)}$						
- Start-up time 3 s	A	45/42	63/58	72/62	80/73	106/98
- Starts per hour ³⁾	1/h	38/38	23/23	22/22	22/22	15/15
Rated motor current $I_M^{2)4)}$						
- Start-up time 4 s	A	45/42	63/58	72/62	80/73	106/98
- Starts per hour ³⁾	1/h	26/26	15/15	15/15	15/15	10/10
Normal starting (CLASS 20)						
Rated motor current $I_M^{2)}$						
- Start-up time 6 s	A	38/34	46/42	50/46	64/58	77/70
- Starts per hour ³⁾	1/h	30/30	31/31	34/34	23/23	23/23
Rated motor current $I_M^{2)4)}$						
- Start-up time 8 s	A	38/34	46/42	50/46	64/58	77/70
- Starts per hour ³⁾	1/h	21/21	22/22	24/24	16/16	16/16

1) Measurement at 60 °C according to UL/CSA not required.
 2) Current limiting on soft starter set to 300% IM, Tu = 40/50°C. Maximum adjustable rated motor current I_M dependent on CLASS setting.

3) For intermittent duty S4 with ON period = 30%, $T_a = 40/50$ °C, stand-alone installation vertical. The quoted switching frequencies do not apply for automatic mode.
 4) Maximum adjustable rated motor current I_M , dependent on CLASS setting.

Soft Starter: Basic Performance

Series: 3RW40



3RW40

Starting Class Details

Type	Basic Performance						
	3RW4055	3RW4056	3RW4073	3RW4074	3RW4075	3RW4076	
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA ¹⁾ , individual mounting at 40/50/60°C, AC-53a	A	134/117/100	162/145/125	230/205/180	280/248/215	356/315/280	432/385/335
Smallest adjustable rated motor current I_M For the motor overload protection	A	59	87	80	130	131	207
Power loss							
• In operation after completed starting with uninterrupted rated operational current (40 °C) approx.	W	60	75	75	90	125	165
• During starting with 300% I_M (40 °C)	W	1043	1355	2448	3257	3277	3600
Normal starting (CLASS 10)							
Rated motor current I_{M^2}							
- Start-up time 10 s	A	134/117/100	162/145/125	230/205/180	280/248/215	356/315/280	432/385/335
- Starts per hour ³⁾	1/h	20	8	20	20	16	17
Rated motor current $I_{M^2(4)}$							
- Start-up time 20 s	A	134/117/100	162/145/125	230/205/180	280/248/215	356/315/280	432/385/335
- Starts per hour ³⁾	1/h	7	1.4	9	8	5	5
Normal starting (CLASS 20)							
Rated motor current I_{M^2}							
- Start-up time 20 s	A	124/112/100	142/132/120	200/185/168	230/205/180	311/280/250	372/340/305
- Starts per hour ³⁾	1/h	12	9	10	10	10	10
Rated motor current $I_{M^2(4)}$							
- Start-up time 40 s	A	124/112/100	142/132/120	200/185/168	230/205/180	311/280/250	372/340/305
- Starts per hour ³⁾	1/h	3	3	1	5	1	1

1) Measurement at 60 °C according to UL/CSA not required.
 2) Current limiting on soft starter set to 300% I_M , $T_u = 40/50^\circ\text{C}$.
 Maximum adjustable rated motor current I_M dependent on CLASS setting.

3) For intermittent duty S4 with ON period = 30%, $T_u = 40/50^\circ\text{C}$, stand-alone installation vertical. The quoted switching frequencies do not apply for automatic mode.

4) Maximum adjustable rated motor current I_M , dependent on CLASS setting.

Soft Starter: Basic Performance
Series: 3RW50



3RW50

Series 3RW50	Series 3RW50
Class 10E	Class 20E

Starting Class Details

Basic Performance

Type		3RW5055	3RW5056
Rated operational current I_e A	A	143	171
Power Electronics			
Load rating with rated operational current I_e			
IEC + UL/CSA, individual mounting at 50°C, AAC-53a	A	128	153
Permissible rated motor current and starts/h			
Normal starting (CLASS 10A)			
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	128	153
ON period = 70%; motor protection activated			
• 300% I_M - Start-up time 5 s - Start-up time 10 s	1/h	43	43
	1/h	18	18
• 350% I_M - Start-up time 5 s - Start-up time 10 s	1/h	28	28
	1/h	10	9
Normal starting (CLASS 10E)			
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	128	153
ON period = 70%; motor protection activated			
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	21	21
	1/h	8	8
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	12	9
	1/h	4	-
Heavy starting (CLASS 20E)			
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	98	123
ON period = 70%; motor protection activated			
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10
	1/h	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7
	1/h	2.5	2.5
Adjustable rated motor current IM			
• Minimum/maximum	A	68/143	81/117

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: Basic Performance
Series: 3RW50



3RW50



Starting Class Details

		Basic Performance					
Type		3RW5072	3RW5073	3RW5074	3RW5075	3RW5076	3RW5077
Rated operational current $I_e A$	A	210	250	315	370	470	570
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA, individual mounting at 50°C, A AC-53a		186	220	279	328	416	504
Permissible rated motor current and starts/h							
Normal starting (CLASS 10A)							
Rated motor current I_M , $T_u = 50\text{ °C}$	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% I_M - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	43	28
	1/h	18	18	18	18	18	11
• 350% I_M - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28	28	16
	1/h	8	10	10	10	10	4
Normal starting (CLASS 10E)							
Rated motor current I_M , $T_u = 50\text{ °C}$	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	20	21
	1/h	8	8	8	8	7	8
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	8	13	12	13	12	13
	1/h	--	4	4	4	2	4
Heavy starting (CLASS 20E)							
Rated motor current I_M , $T_u = 50\text{ °C}$	A	146	180	195	230	254	262
ON period = 70%; motor protection activated							
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10	10
	1/h	4	4	4	4	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5	2.5

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



Soft Starter: General Performance
Series: 3RW52



3RW52

Series
3RW52

Class
20E

Starting Class Details

Type	General Performance					
	3RW5213	3RW5214	3RW5215	3RW5216	3RW5217	
Rated operational current I_e A	A	13	18	25	32	38
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	11.5	15.9	22.3	28.4	33.5
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	43
	1/h	18	18	18	18	18
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28	28
	1/h	10	10	10	10	10
Normal starting (CLASS 10E)						
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	21
	1/h	8	8	8	8	8
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	13	13	13
	1/h	4	4	4	4	4
Heavy starting (CLASS 20E)						
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	11.5	15.9	22.3	27.2	30.5
ON period = 70%; motor protection activated						
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10
	1/h	4	4	4	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5
Adjustable rated motor current IM						
• Minimum/maximum	A	5.5/13	7.5/18	11.5/25	14/32	15.5/38
• Minimum/maximum in inside-delta circuits	A	9.5/22.5	13/31.2	19.9/43.3	24.2/55.4	26.8/65.8

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: General Performance

Series: 3RW52



3RW52

Series
3RW52Class
20E

Starting Class Details

Type	General Performance				
		3RW5224	3RW5225	3RW5226	3RW5227
Rated operational current I_e A	A	47	63	77	93
Power Electronics					
Load rating with rated operational current I_e					
IEC + UL/CSA, individual mounting at 50°C, AAC-53a	A	41.6	55.5	68	82.5
Permissible rated motor current and starts/h					
Normal starting (CLASS 10A)					
Rated motor current / M, Tu = 50 °C	A	41.6	55.5	68	82.5
ON period = 70%; motor protection activated					
• 300% IM					
- Start-up time 5 s	1/h	43	43	43	43
- Start-up time 10 s	1/h	18	18	18	18
• 350% IM					
- Start-up time 5 s	1/h	28	28	28	28
- Start-up time 10 s	1/h	10	10	10	10
Normal starting (CLASS 10E)					
Rated motor current / M, Tu = 50 °C	A	41.6	55.5	68	82.5
ON period = 70%; motor protection activated					
• 300% IM					
- Start-up time 20 s	1/h	21	21	21	21
- Start-up time 40 s	1/h	8	8	8	8
• 350% IM					
- Start-up time 20 s	1/h	13	13	13	13
- Start-up time 40 s	1/h	4	4	4	4
Heavy starting (CLASS 20E)					
Rated motor current / M, Tu = 50 °C	A	41.6	55.5	68	82.5
ON period = 70%; motor protection activated					
• 300% / M					
- Start-up time 20 s	1/h	10	10	10	10
- Start-up time 40 s	1/h	4	3	4	4
• 350% / M					
- Start-up time 20 s	1/h	7	4	7	7
- Start-up time 40 s	1/h	2	0	2.5	2.5
Adjustable rated motor current IM					
• Minimum/maximum	A	20/47	25.5/63	32/77	40.5/93
• Minimum/maximum in inside-delta circuits	A	34.6/81.4	44.2/109	55.4/133	70.1/161

SAFETY SWITCH/
DISCONNECTACROSS THE LINE
STARTERPART WIND
STARTERSOFT
STARTERVARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: General Performance
Series: 3RW52



3RW52

Series
3RW52
Class
20E

Starting Class Details

General Performance

Type		3RW5234	3RW5235	3RW5236
Rated operational current $I_e A$	A	113	143	171
Power Electronics				
Load rating with rated operational current I_e				
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	101	128	153
Permissible rated motor current and starts/h				
Normal starting (CLASS 10A)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	128	153
ON period = 70%; motor protection activated				
<ul style="list-style-type: none"> • 300% IM <ul style="list-style-type: none"> - Start-up time 5 s - Start-up time 10 s 	1/h	43	43	43
	1/h	18	18	18
<ul style="list-style-type: none"> • 350% IM <ul style="list-style-type: none"> - Start-up time 5 s - Start-up time 10 s 	1/h	28	27	20
	1/h	10	8	4
Normal starting (CLASS 10E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	127	146
ON period = 70%; motor protection activated				
<ul style="list-style-type: none"> • 300% IM <ul style="list-style-type: none"> - Start-up time 20 s - Start-up time 40 s 	1/h	21	21	21
	1/h	8	8	8
<ul style="list-style-type: none"> • 350% IM <ul style="list-style-type: none"> - Start-up time 20 s - Start-up time 40 s 	1/h	13	12	12
	1/h	4	1	1
Heavy starting (CLASS 20E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	97	103	117
ON period = 70%; motor protection activated				
<ul style="list-style-type: none"> • 300% I_M <ul style="list-style-type: none"> - Start-up time 20 s - Start-up time 40 s 	1/h	10	10	10
	1/h	4	4	4
<ul style="list-style-type: none"> • 350% I_M <ul style="list-style-type: none"> - Start-up time 20 s - Start-up time 40 s 	1/h	7	7	7
	1/h	2.5	2.5	2.5
Adjustable rated motor current IM				
<ul style="list-style-type: none"> • Minimum/maximum 	A	53/113	68/143	81/171
<ul style="list-style-type: none"> • Minimum/maximum in inside-delta circuits 	A	91.8/196	118/248	140/296

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: General Performance
Series: 3RW52



3RW52

Series
3RW52

Class
20E

Starting Class Details

Type	General Performance						
	3RW5243	3RW5244	3RW5245	3RW5246	3RW5247	3RW5248	
Rated operational current I_e A	A	210	250	315	370	470	570
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	186	220	279	328	416	504
Permissible rated motor current and starts/h							
Normal starting (CLASS 10A)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	30	20
	1/h	18	18	14	18	11	6
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	16	28	17	9
	1/h	5	10	4	10	5	1
Normal starting (CLASS 10E)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	184	220	255	328	362	416
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	21	18
	1/h	8	8	8	8	8	7
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	12	13	12	13	13	11
	1/h	1	4	3	4	4	2
Heavy starting (CLASS 20E)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	146	180	171	230	236	262
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10	10
	1/h	4	4	4	4	4	4
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5	2.5
Adjustable rated motor current IM							
• Minimum/maximum	A	90/210	100/250	135/315	160/370	200/470	240/570
• Minimum/maximum in inside-delta circuits	A	156/364	173/433	234/546	277/641	346/814	416/987

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



Soft Starter: High Performance
Series: 3RW55



3RW55

Series
3RW55

Class
20E

Series
3RW55

Class
30E

Starting Class Details

High Performance

Type		3RW5513	3RW5514	3RW5515	3RW5516	3RW5517
Rated operational current $I_e A$	A	13	18	25	32	38
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	11.5	15.9	22.3	28.4	33.5
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current $I M, T_u = 50\text{ °C}$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	43
	1/h	18	18	18	18	18
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28	28
	1/h	10	10	10	10	10
Normal starting (CLASS 10E)						
Rated motor current $I M, T_u = 50\text{ °C}$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	21
	1/h	8	8	8	8	8
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	13	13	13
	1/h	4	4	4	4	4
Heavy starting (CLASS 20E)						
Rated motor current $I M, T_u = 50\text{ °C}$	A	11.5	15.9	22.3	27.2	30.5
ON period = 70%; motor protection activated						
• 300% $I M$ - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10
	1/h	4	4	4	4	4
• 350% $I M$ - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)						
Rated motor current $I M, T_u = 50\text{ °C}$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	21
	1/h	8	8	8	8	8
• 350% $I M$ - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5
Adjustable rated motor current IM						
• Minimum/maximum	A	2.5/13	3.5/18	25-May	6.5/32	7.5/38
• Minimum/maximum in inside-delta circuits	A	4.3/22.5	6.1/31.1	8.7/43.3	11.3/55.4	13/65.8

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: High Performance
Series: 3RW55



3RW55

Series
3RW55Class
20ESeries
3RW55Class
30E

Starting Class Details

High
Performance

Type		3RW5521	3RW5524	3RW5525	3RW5526	3RW5527
Rated operational current I_e A	A	25	47	63	77	93
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	22.3	41.6	55.5	68	82.5
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current I M, $T_u = 50^\circ\text{C}$	A	22.3	41.6	55.5	68	82.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	43
	1/h	18	18	18	18	18
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28	28
	1/h	10	10	10	10	10
Normal starting (CLASS 10E)						
Rated motor current I M, $T_u = 50^\circ\text{C}$	A	22.3	41.6	55.5	68	82.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	21
	1/h	8	8	8	8	8
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	13	13	13
	1/h	4	4	4	4	4
Heavy starting (CLASS 20E)						
Rated motor current I M, $T_u = 50^\circ\text{C}$	A	22.3	41.6	55.5	68	82.5
ON period = 70%; motor protection activated						
• 300% I M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10
	1/h	4	4	4	4	4
• 350% I M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)						
Rated motor current I M, $T_u = 50^\circ\text{C}$	A	22.3	38	48	62	75.5
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	3	3	3	3	3
• 350% I M - Start-up time 20 s - Start-up time 40 s	1/h	4	4	4	4	4
	1/h	1.8	1.8	1.8	1.8	1.8
Adjustable rated motor current IM						
• Minimum/maximum	A	5/25	10/47	13/63	16/77	19/93
• Minimum/maximum in inside-delta circuits	A	8.7/43.3	17.3/81.4	22.5/109	27.7/133	32.9/161

SAFETY SWITCH/
DISCONNECTACROSS THE LINE
STARTERPART WIND
STARTERSOFT
STARTERVARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: High Performance
Series: 3RW55



3RW55

Series
3RW55

Class
20E

Series
3RW55

Class
30E

Starting Class Details

High Performance

Type		3RW5534	3RW5535	3RW5536
Rated operational current $I_e A$	A	113	143	171
Power Electronics				
Load rating with rated operational current I_e				
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	101	128	153
Permissible rated motor current and starts/h				
Normal starting (CLASS 10A)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	128	153
ON period = 70%; motor protection activated				
• 300% I_M				
- Start-up time 5 s	1/h	43	43	43
- Start-up time 10 s	1/h	18	18	18
• 350% I_M				
- Start-up time 5 s	1/h	28	28	28
- Start-up time 10 s	1/h	10	10	10
Normal starting (CLASS 10E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	128	153
ON period = 70%; motor protection activated				
• 300% I_M				
- Start-up time 20 s	1/h	21	21	21
- Start-up time 40 s	1/h	8	8	8
• 350% I_M				
- Start-up time 20 s	1/h	13	13	13
- Start-up time 40 s	1/h	4	4	4
Heavy starting (CLASS 20E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	97	113	129
ON period = 70%; motor protection activated				
• 300% I_M				
- Start-up time 20 s	1/h	10	10	10
- Start-up time 40 s	1/h	4	4	4
• 350% I_M				
- Start-up time 20 s	1/h	7	7	7
- Start-up time 40 s	1/h	2.5	2.5	2.5
Normal starting (CLASS 30E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	81	98	105
ON period = 70%; motor protection activated				
• 300% I_M				
- Start-up time 20 s	1/h	7	7	7
- Start-up time 40 s	1/h	3	3	3
• 350% I_M				
- Start-up time 20 s	1/h	4	4	4
- Start-up time 40 s	1/h	1.8	1.8	1.8
Adjustable rated motor current I_M				
• Minimum/maximum	A	23/113	29/143	34/171
• Minimum/maximum in inside-delta circuits	A	39.8/195	50.2/247	58.9/296

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: High Performance
Series: 3RW55



3RW55

Series
3RW55

Class
20E

Series
3RW55

Class
30E

Starting Class Details

High Performance

Type		3RW5543	3RW5544	3RW5545	3RW5546	3RW5547	3RW5548
Rated operational current I_e A	A	210	250	315	370	470	570
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	186	220	279	328	416	504
Permissible rated motor current and starts/h							
Normal starting (CLASS 10A)							
Rated motor current I M, $T_u = 50$ °C	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	40	20
	1/h	18	18	18	18	17	6
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28	26	9
	1/h	10	10	10	10	10	1
Normal starting (CLASS 10E)							
Rated motor current I M, $T_u = 50$ °C	A	186	220	279	328	416	490
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	17	8
	1/h	8	8	8	8	6	1
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	13	13	10	2
	1/h	4	4	4	4	2	--
Heavy starting (CLASS 20E)							
Rated motor current I M, $T_u = 50$ °C	A	146	180	207	230	254	262
ON period = 70%; motor protection activated							
• 300% I M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10	10
	1/h	4	4	4	4	4	4
• 350% I M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)							
Rated motor current I M, $T_u = 50$ °C	A	122	140	159	174	190	200
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	3	3	3	3	3	3
• 350% I M - Start-up time 20 s - Start-up time 40 s	1/h	4	4	4	4	4	4
	1/h	1.8	1.8	1.8	1.8	1.8	1.8
Adjustable rated motor current IM							
• Minimum/maximum	A	42/210	50/250	63/315	74/370	94/470	114/570
• Minimum/maximum in inside-delta circuits	A	72.7/363	86.6/433	109.1/545	128.2/640	162.8/814	197.5/987

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



Soft Starter: High Performance
Series: 3RW55



3RW55

Series
3RW55

Class
20E

Series
3RW55

Class
30E

Starting Class Details

High Performance

Type		3RW5552	3RW5553	3RW5554	3RW5556	3RW5558
Rated operational current $I_e A$	A	630	720	840	1100	1280
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	561	641	748	979	1139
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current $I M$, $T_u = 50^\circ C$	A	561	641	748	979	1139
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	42	43	32
	1/h	18	18	18	18	12
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	25	27	17
	1/h	10	10	10	9	4
Normal starting (CLASS 10E)						
Rated motor current $I M$, $T_u = 50^\circ C$	A	561	641	748	979	1130
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	19	18	15
	1/h	8	8	7	7	5
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	10	9	1
	1/h	4	4	2	2	1
Heavy starting (CLASS 20E)						
Rated motor current $I M$, $T_u = 50^\circ C$	A	450	470	520	840	900
ON period = 70%; motor protection activated						
• 300% $I M$ - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10
	1/h	4	4	4	4	4
• 350% $I M$ - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)						
Rated motor current $I M$, $T_u = 50^\circ C$	A	340	360	380	670	720
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	3	3	3	3	3
• 350% $I M$ - Start-up time 20 s - Start-up time 40 s	1/h	4	4	4	4	4
	1/h	1.8	1.8	1.8	1.8	1.8
Adjustable rated motor current IM						
• Minimum/maximum	A	114/630	144/720	168/840	220/1100	258/1280
• Minimum/maximum in inside-delta circuits	A	197.5/987	249.4/1247	291/1454	381.1/1905	446.9/2217

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

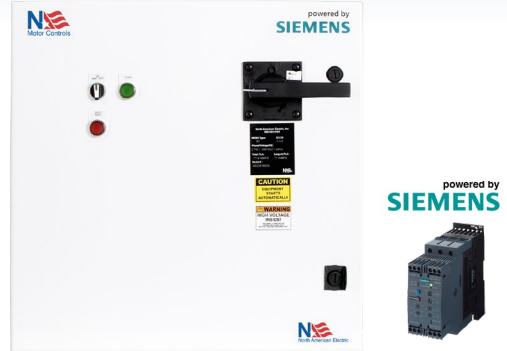
HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW40 Soft Starter
 General Purpose Applications



(See pp. 35-37 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 75 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection

- LED status / fault monitoring
- Remote reset

- Normal Starting (Class 10) - Please see Starting Class Details on p 35-37
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP

- 120V Transformer

Warranty

- Two (2) Year Warranty or OPTIONAL Three (3) Year Warranty with "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10). See Applications listed on pp 32-34 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0153RP00-24H-2-000	M90	\$4,936.98	
20	58	24	24	12	3RW4037-1BB14	3041B-0203RP00-24H-2-000	M90	\$5,206.13	
25	73	24	24	12	3RW4046-1BB14	3041B-0253RP00-24H-2-000	M90	\$5,706.21	
30	98	24	24	12	3RW4047-1BB14	3041B-0303RP00-24H-2-000	M90	\$6,020.71	

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0253RP00-24H-4-000	M90	\$4,697.57	
30	42	24	24	12	3RW4036-1BB14	3041B-0303RP00-24H-4-000	M90	\$4,936.98	
40	58	24	24	12	3RW4037-1BB14	3041B-0403RP00-24H-4-000	M90	\$5,206.13	
50	73	24	24	12	3RW4046-1BB14	3041B-0503RP00-24H-4-000	M90	\$5,706.21	
60	98	24	24	12	3RW4047-1BB14	3041B-0603RP00-24H-4-000	M90	\$6,020.71	
75	98	24	24	12	3RW4047-1BB14	3041B-0753RP00-24H-4-000	M90	\$6,020.71	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 15 HP - 40 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW40 Soft Starter

General Purpose Applications



(See pp. 35-37 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 40 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 35-37
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 240V: 15 HP - 20 HP
- 480V: 25 HP - 40 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4037-1BB14	3141B-0153RP00-24H-2-000		M90	\$5,206.13
20	58	24	24	12	3RW4047-1BB14	3141B-0203RP00-24H-2-000		M90	\$6,019.28

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4037-1BB14	3141B-0253RP00-24H-4-000		M90	\$5,206.13
30	42	24	24	12	3RW4037-1BB14	3141B-0303RP00-24H-4-000		M90	\$5,206.13
40	58	24	24	12	3RW4047-1BB14	3141B-0403RP00-24H-4-000		M90	\$6,019.28

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40-



(See pp. 35-37 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW40 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 75 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Normal Starting (Class 10) - Please see Starting Class Details on pp 35-37
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10). See Applications listed on pp 32-34 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0154TP00-24H-2-000		M90	\$5,136.71
20	58	24	24	12	3RW4037-1BB14	3041B-0204TP00-24H-2-000		M90	\$5,405.87
25	73	24	24	12	3RW4046-1BB14	3041B-0254TP00-24H-2-000		M90	\$5,905.95
30	98	24	24	12	3RW4047-1BB14	3041B-0304TP00-24H-2-000		M90	\$6,219.03

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0254TP00-24H-4-000		M90	\$4,897.31
30	42	24	24	12	3RW4036-1BB14	3041B-0304TP00-24H-4-000		M90	\$5,136.71
40	58	24	24	12	3RW4037-1BB14	3041B-0404TP00-24H-4-000		M90	\$5,405.87
50	73	24	24	12	3RW4046-1BB14	3041B-0504TP00-24H-4-000		M90	\$5,905.95
60	98	24	24	12	3RW4047-1BB14	3041B-0604TP00-24H-4-000		M90	\$6,219.03
75	98	24	24	12	3RW4047-1BB14	3041B-0754TP00-24H-4-000		M90	\$6,219.03

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

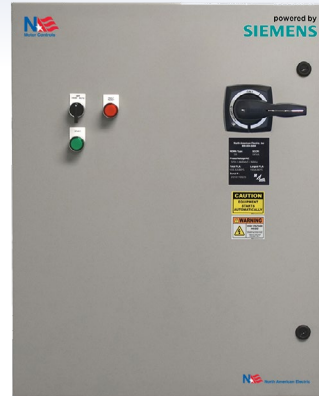
APPENDIX

HP: 15 HP - 40 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Series
3RW40
Class
20E



(See pp. 35-37 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW40 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 40 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 35-37
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 20 HP
- 480V: 25 HP - 40 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4037-1BB14	3141B-0154TP00-24H-2-000		M90	\$5,405.87
20	58	24	24	12	3RW4047-1BB14	3141B-0204TP00-24H-2-000		M90	\$6,219.03

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4037-1BB14	3141B-0254TP00-24H-4-000		M90	\$5,405.87
30	42	24	24	12	3RW4037-1BB14	3141B-0304TP00-24H-4-000		M90	\$5,405.87
40	58	24	24	12	3RW4047-1BB14	3141B-0404TP00-24H-4-000		M90	\$6,219.03

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

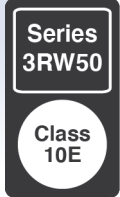
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW50 Soft Starter

General Purpose Applications



(See pp. 38-39 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0403RP00-24H-2-000	M90	\$7,976.43	
50	153	40	24	12	3RW50566AB14	3045B-0503RP00-24H-2-000	M90	\$8,735.34	
60	186	42	30	16	3RW50726AB14	3045B-0603RP00-24H-2-000	M90	\$10,366.46	
75	220	42	30	16	3RW50736AB14	3045B-0753RP00-24H-2-000	M90	\$10,480.93	
100	279	48	30	16	3RW50746AB14	3045B-1003RP00-24H-2-000	M90	\$10,978.32	
125	328	48	30	16	3RW50756AB14	3045B-1253RP00-24H-2-000	M90	\$15,040.53	
150	416	48	30	16	3RW50766AB14	3045B-1503RP00-24H-2-000	M90	\$16,578.02	
200	504	48	30	16	3RW50776AB14	3045B-2003RP00-24H-2-000	M90	\$17,354.93	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1003RP00-24H-4-000	M90	\$7,976.43	
100	153	40	24	12	3RW50566AB14	3045B-1003RP00-24H-4-002	M90	\$8,735.34	
150	186	42	30	12	3RW50726AB14	3045B-1503RP00-24H-4-000	M90	\$10,366.46	
150	220	42	30	12	3RW50736AB14	3045B-1503RP00-24H-4-002	M90	\$10,480.93	
200	279	48	30	16	3RW50746AB14	3045B-2003RP00-24H-4-000	M90	\$10,978.32	
250	328	48	30	16	3RW50756AB14	3045B-2503RP00-24H-4-000	M90	\$15,040.53	
350	416	48	30	16	3RW50766AB14	3045B-3503RP00-24H-4-000	M90	\$16,578.02	
400	504	48	30	16	3RW50776AB14	3045B-4003RP00-24H-4-000	M90	\$18,426.99	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 207-210
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW50 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 30 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0303RP00-24H-2-000	M90	\$7,855.22	
40	123	40	24	12	3RW50566AB14	3145B-0403RP00-24H-2-000	M90	\$8,614.14	
50	146	42	30	16	3RW50726AB14	3145B-0503RP00-24H-2-000	M90	\$9,699.07	
60	180	42	30	16	3RW50736AB14	3145B-0603RP00-24H-2-000	M90	\$10,062.05	
75	195	48	30	16	3RW50746AB14	3145B-0753RP00-24H-2-000	M90	\$10,934.80	
	230	48	30	16	3RW50756AB14	3145B-0753RP00-24H-2-002	M90	\$13,034.77	
100	254	48	30	16	3RW50766AB14	3145B-1003RP00-24H-2-000	M90	\$15,226.01	
	262	48	30	16	3RW50776AB14	3145B-1003RP00-24H-2-002	M90	\$15,765.99	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0753RP00-24H-4-000	M90	\$7,855.22	
75	123	40	24	12	3RW50566AB14	3145B-0753RP00-24H-4-002	M90	\$8,614.14	
100	146	42	30	12	3RW50726AB14	3145B-1003RP00-24H-4-000	M90	\$9,699.07	
125	180	42	30	12	3RW50736AB14	3145B-1253RP00-24H-4-000	M90	\$10,062.05	
150	195	48	30	16	3RW50746AB14	3145B-1503RP00-24H-4-000	M90	\$10,934.80	
	230	48	30	16	3RW50756AB14	3145B-1503RP00-24H-4-002	M90	\$13,034.77	
200	254	48	30	16	3RW50766AB14	3145B-2003RP00-24H-4-000	M90	\$15,226.01	
	262	48	30	16	3RW50776AB14	3145B-2003RP00-24H-4-002	M90	\$15,765.99	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW50 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 75 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404TP00-24H-2-000	M90	\$7,808.49	
50	153	40	24	12	3RW50566AB14	3045B-0504TP00-24H-2-000	M90	\$8,278.45	
60	186	42	30	16	3RW50726AB14	3045B-0604TP00-24H-2-000	M90	\$9,349.96	
75	220	42	30	16	3RW50736AB14	3045B-0754TP00-24H-2-000	M90	\$10,029.61	
100	279	48	30	16	3RW50746AB14	3045B-1004TP00-24H-2-000	M90	\$10,515.51	
125	328	48	30	16	3RW50756AB14	3045B-1254TP00-24H-2-000	M90	\$14,593.23	
150	416	48	30	16	3RW50766AB14	3045B-1504TP00-24H-2-000	M90	\$16,259.72	
200	504	48	30	16	3RW50776AB14	3045B-2004TP00-24H-2-000	M90	\$18,108.69	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1004TP00-24H-4-000	M90	\$7,519.53	
	153	40	24	12	3RW50566AB14	3045B-1004TP00-24H-4-002	M90	\$8,278.45	
150	186	42	30	12	3RW50726AB14	3045B-1504TP00-24H-4-000	M90	\$9,915.14	
	220	42	30	12	3RW50736AB14	3045B-1504TP00-24H-4-002	M90	\$10,618.63	
200	279	48	30	16	3RW50746AB14	3045B-2004TP00-24H-4-000	M90	\$10,515.48	
250	328	48	30	16	3RW50756AB14	3045B-2504TP00-24H-4-000	M90	\$14,577.71	
350	416	48	30	16	3RW50766AB14	3045B-3504TP00-24H-4-000	M90	\$16,259.72	
400	504	48	30	16	3RW50776AB14	3045B-4004TP00-24H-4-000	M90	\$18,108.69	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

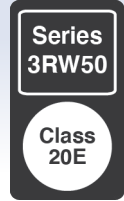
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW50 Soft Starter

General Purpose Applications



(See pp. 38-39 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 30 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)
- Soft stop capable

- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304TP00-24H-2-000	M90	\$7,398.33	
40	123	40	24	12	3RW50566AB14	3145B-0404TP00-24H-2-000	M90	\$8,157.26	
50	146	42	30	16	3RW50726AB14	3145B-0504TP00-24H-2-000	M90	\$9,247.74	
60	180	42	30	16	3RW50736AB14	3145B-0604TP00-24H-2-000	M90	\$9,610.71	
75	195	48	30	16	3RW50746AB14	3145B-0754TP00-24H-2-000	M90	\$10,471.99	
	230	48	30	16	3RW50756AB14	3145B-0754TP00-24H-2-002	M90	\$12,571.97	
100	254	48	30	16	3RW50766AB14	3145B-1004TP00-24H-2-000	M90	\$14,763.21	
	262	48	30	16	3RW50776AB14	3145B-1004TP00-24H-2-002	M90	\$15,303.19	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754TP00-24H-4-000	M90	\$7,398.33	
	123	40	24	12	3RW50566AB14	3145B-0754TP00-24H-4-002	M90	\$8,157.26	
100	146	42	30	12	3RW50726AB14	3145B-1004TP00-24H-4-000	M90	\$9,247.74	
125	180	42	30	12	3RW50736AB14	3145B-1254TP00-24H-4-000	M90	\$9,610.71	
150	195	48	30	16	3RW50746AB14	3145B-1504TP00-24H-4-000	M90	\$10,471.99	
	230	48	30	16	3RW50756AB14	3145B-1504TP00-24H-4-002	M90	\$12,571.97	
200	254	48	30	16	3RW50766AB14	3145B-2004TP00-24H-4-000	M90	\$14,763.21	
	262	48	30	16	3RW50776AB14	3145B-2004TP00-24H-4-002	M90	\$15,303.19	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Series 3RW50
Class 10E



(See pp. 38-39 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW50 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0403RP00-32B-2-000	M90	\$7,855.22	
50	153	40	24	12	3RW50566AB14	3045B-0503RP00-32B-2-000	M90	\$8,614.14	
60	186	42	30	16	3RW50726AB14	3045B-0603RP00-32B-2-000	M90	\$9,699.07	
75	220	42	30	16	3RW50736AB14	3045B-0753RP00-32B-2-000	M90	\$10,062.05	
100	279	48	30	16	3RW50746AB14	3045B-1003RP00-32B-2-000	M90	\$10,934.80	
125	328	48	30	16	3RW50756AB14	3045B-1253RP00-32B-2-000	M90	\$13,034.77	
150	416	48	30	16	3RW50766AB14	3045B-1503RP00-32B-2-000	M90	\$15,226.01	
200	504	48	30	16	3RW50776AB14	3045B-2003RP00-32B-2-000	M90	\$15,765.99	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1003RP00-32B-4-000	M90	\$8,563.22	
	153	40	24	12	3RW50566AB14	3045B-1003RP00-32B-4-002	M90	\$9,322.15	
150	186	42	30	12	3RW50726AB14	3045B-1503RP00-32B-4-000	M90	\$10,953.27	
	220	42	30	12	3RW50736AB14	3045B-1503RP00-32B-4-002	M90	\$11,067.73	
200	279	48	30	16	3RW50746AB14	3045B-2003RP00-32B-4-000	M90	\$11,565.13	
250	328	48	30	16	3RW50756AB14	3045B-2503RP00-32B-4-000	M90	\$15,627.33	
350	416	48	30	16	3RW50766AB14	3045B-3503RP00-32B-4-000	M90	\$17,164.82	
400	504	48	30	16	3RW50776AB14	3045B-4003RP00-32B-4-000	M90	\$19,013.79	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 207-210
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW50 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 30 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0303RP00-32B-2-000		M90	\$8,727.85
40	123	40	24	12	3RW50566AB14	3145B-0403RP00-32B-2-000		M90	\$9,486.77
50	146	42	30	16	3RW50726AB14	3145B-0503RP00-32B-2-000		M90	\$10,571.67
60	180	42	30	16	3RW50736AB14	3145B-0603RP00-32B-2-000		M90	\$10,934.66
75	195	48	30	16	3RW50746AB14	3145B-0753RP00-32B-2-000		M90	\$11,807.40
	230	48	30	16	3RW50756AB14	3145B-0753RP00-32B-2-002		M90	\$13,907.39
100	254	48	30	16	3RW50766AB14	3145B-1003RP00-32B-2-000		M90	\$16,098.61
	262	48	30	16	3RW50776AB14	3145B-1003RP00-32B-2-002		M90	\$16,638.61

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0753RP00-32B-4-000		M90	\$8,727.85
	123	40	24	12	3RW50566AB14	3145B-0753RP00-32B-4-002		M90	\$9,486.77
100	146	42	30	12	3RW50726AB14	3145B-1003RP00-32B-4-000		M90	\$10,571.67
125	180	42	30	12	3RW50736AB14	3145B-1253RP00-32B-4-000		M90	\$10,934.66
150	195	48	30	16	3RW50746AB14	3145B-1503RP00-32B-4-000		M90	\$11,807.40
	230	48	30	16	3RW50756AB14	3145B-1503RP00-32B-4-002		M90	\$13,907.39
200	254	48	30	16	3RW50766AB14	3145B-2003RP00-32B-4-000		M90	\$16,098.61
	262	48	30	16	3RW50776AB14	3145B-2003RP00-32B-4-002		M90	\$16,638.61

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

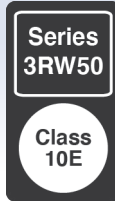
Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW50 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Fully gasketed
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404TP00-32B-2-000	M90	\$8,300.40	
50	153	40	24	12	3RW50566AB14	3045B-0504TP00-32B-2-000	M90	\$9,059.33	
60	186	42	30	16	3RW50726AB14	3045B-0604TP00-32B-2-000	M90	\$10,130.86	
75	220	42	30	16	3RW50736AB14	3045B-0754TP00-32B-2-000	M90	\$10,245.31	
100	279	48	30	16	3RW50746AB14	3045B-1004TP00-32B-2-000	M90	\$10,680.76	
125	328	48	30	16	3RW50756AB14	3045B-1254TP00-32B-2-000	M90	\$14,742.94	
150	416	48	30	16	3RW50766AB14	3045B-1504TP00-32B-2-000	M90	\$16,330.91	
200	504	48	30	16	3RW50776AB14	3045B-2004TP00-32B-2-000	M90	\$18,179.35	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1004TP00-32B-4-000	M90	\$8,300.40	
	153	40	24	12	3RW50566AB14	3045B-1004TP00-32B-4-002	M90	\$9,059.33	
150	186	42	30	12	3RW50726AB14	3045B-1504TP00-32B-4-000	M90	\$12,626.58	
	220	42	30	12	3RW50736AB14	3045B-1504TP00-32B-4-002	M90	\$10,810.48	
200	279	48	30	16	3RW50746AB14	3045B-2004TP00-32B-4-000	M90	\$11,296.39	
250	328	48	30	16	3RW50756AB14	3045B-2504TP00-32B-4-000	M90	\$15,358.58	
350	416	48	30	16	3RW50766AB14	3045B-3504TP00-32B-4-000	M90	\$17,040.61	
400	504	48	30	16	3RW50776AB14	3045B-4004TP00-32B-4-000	M90	\$18,889.56	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW50 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 30 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304TP00-32B-2-000	M90	\$8,270.93	
40	123	40	24	12	3RW50566AB14	3145B-0404TP00-32B-2-000	M90	\$9,029.86	
50	146	42	30	16	3RW50726AB14	3145B-0504TP00-32B-2-000	M90	\$10,120.33	
60	180	42	30	16	3RW50736AB14	3145B-0604TP00-32B-2-000	M90	\$10,483.34	
75	195	48	30	16	3RW50746AB14	3145B-0754TP00-32B-2-000	M90	\$11,344.60	
	230	48	30	16	3RW50756AB14	3145B-0754TP00-32B-2-002	M90	\$13,444.56	
100	254	48	30	16	3RW50766AB14	3145B-1004TP00-32B-2-000	M90	\$15,635.83	
	262	48	30	16	3RW50776AB14	3145B-1004TP00-32B-2-002	M90	\$16,175.83	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754TP00-32B-4-000	M90	\$8,270.93	
	123	40	24	12	3RW50566AB14	3145B-0754TP00-32B-4-002	M90	\$9,029.86	
100	146	42	30	12	3RW50726AB14	3145B-1004TP00-32B-4-000	M90	\$10,120.33	
125	180	42	30	12	3RW50736AB14	3145B-1254TP00-32B-4-000	M90	\$10,483.34	
150	195	48	30	16	3RW50746AB14	3145B-1504TP00-32B-4-000	M90	\$11,344.60	
	230	48	30	16	3RW50756AB14	3145B-1504TP00-32B-4-002	M90	\$13,444.56	
200	254	48	30	16	3RW50766AB14	3145B-2004TP00-32B-4-000	M90	\$15,635.83	
	262	48	30	16	3RW50776AB14	3145B-2004TP00-32B-4-002	M90	\$16,175.83	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 40-43 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0033RP00-24H-2-000	M90	\$5,721.02	
5	15.9	36	24	10	3RW5214-1AC14	3043B-0053RP00-24H-2-000	M90	\$5,856.30	
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P53RP00-24H-2-000	M90	\$6,013.58	
10	28.4	36	24	10	3RW5216-1AC14	3043B-0103RP00-24H-2-000	M90	\$6,194.87	
	33.5	36	24	10	3RW5217-1AC14	3043B-0103RP00-24H-2-002	M90	\$6,396.43	
	41.6	36	24	12	3RW5224-1AC14	3043B-0103RP00-24H-2-003	M90	\$6,791.93	
20	55.5	40	24	12	3RW5225-1AC14	3043B-0203RP00-24H-2-000	M90	\$7,055.92	
25	68	40	24	12	3RW5226-1AC14	3043B-0253RP00-24H-2-000	M90	\$7,299.84	
30	82.5	40	24	12	3RW5227-1AC14	3043B-0303RP00-24H-2-000	M90	\$7,761.94	
	101	40	24	12	3RW5234-6AC14	3043B-0303RP00-24H-2-002	M90	\$8,110.88	
40	128	40	24	12	3RW5235-6AC14	3043B-0403RP00-24H-2-000	M90	\$8,889.28	
50	153	40	24	12	3RW5236-6AC14	3043B-0503RP00-24H-2-000	M90	\$9,544.46	
60	186	40	24	12	3RW5243-6AC14	3043B-0603RP00-24H-2-000	M90	\$12,493.97	
75	220	60	36	12	3RW5244-6AC14	3043B-0753RP00-24H-2-000	M90	\$13,411.60	
100	279	60	36	12	3RW5245-6AC14	3043B-1003RP00-24H-2-000	M90	\$15,218.26	
125	328	60	36	12	3RW5246-6AC14	3043B-1253RP00-24H-2-000	M90	\$18,907.37	
150	416	60	36	12	3RW5247-6AC14	3043B-1503RP00-24H-2-000	M90	\$20,487.54	
200	504	60	36	12	3RW5248-6AC14	3043B-2003RP00-24H-2-000	M90	\$21,809.57	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Series 3RW52
 Class 10E

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW52 Soft Starter

General Purpose Applications



(See pp. 40-43 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P53RP00-24H-4-000	M90	\$5,721.02	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0103RP00-24H-4-000	M90	\$5,856.30	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0153RP00-24H-4-000	M90	\$6,013.58	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0203RP00-24H-4-000	M90	\$6,194.87	
	33.5	36	24	10	3RW5217-1AC14	3043B-0203RP00-24H-4-002	M90	\$6,396.43	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0303RP00-24H-4-000	M90	\$6,791.93	
40	55.5	40	24	12	3RW5225-1AC14	3043B-0403RP00-24H-4-000	M90	\$7,055.92	
50	68.0	40	24	12	3RW5226-1AC14	3043B-0503RP00-24H-4-000	M90	\$7,299.84	
60	82.5	40	24	12	3RW5227-1AC14	3043B-0603RP00-24H-4-000	M90	\$7,761.94	
75	101.0	40	24	12	3RW5234-6AC14	3043B-0753RP00-24H-4-000	M90	\$8,110.88	
100	128.0	40	24	12	3RW5235-6AC14	3043B-1003RP00-24H-4-000	M90	\$8,889.28	
	153.0	40	24	12	3RW5236-6AC14	3043B-1003RP00-24H-4-002	M90	\$9,544.46	
150	186.0	40	24	12	3RW5243-6AC14	3043B-1503RP00-24H-4-000	M90	\$12,493.97	
	220.0	60	36	12	3RW5244-6AC14	3043B-1503RP00-24H-4-002	M90	\$13,411.60	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2003RP00-24H-4-000	M90	\$15,218.26	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2503RP00-24H-4-000	M90	\$18,907.37	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3503RP00-24H-4-000	M90	\$20,487.54	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4003RP00-24H-4-000	M90	\$21,809.57	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 40-43 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0033RP00-24H-2-000	M90	\$5,957.41	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0053RP00-24H-2-000	M90	\$6,098.30	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P53RP00-24H-2-000	M90	\$6,262.08	
	27.2	36	24	10	3RW5216-1AC14	3143B-7P53RP00-24H-2-002	M90	\$6,450.86	
10	33.5	36	24	10	3RW5217-1AC14	3143B-0103RP00-24H-2-000	M90	\$6,660.75	
	41.6	36	24	12	3RW5224-1AC14	3143B-0103RP00-24H-2-002	M90	\$7,075.77	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0203RP00-24H-2-000	M90	\$7,347.49	
	59	40	24	12	3RW5226-1AC14	3143B-0203RP00-24H-2-002	M90	\$7,347.49	
30	82.5	40	24	12	3RW5227-1AC14	3143B-0303RP00-24H-2-000	M90	\$8,082.68	
	97	40	24	12	3RW5234-6AC14	3143B-0303RP00-24H-2-002	M90	\$8,446.04	
	103	40	24	12	3RW5235-6AC14	3143B-0303RP00-24H-2-003	M90	\$9,123.98	
40	117	40	24	12	3RW5236-6AC14	3143B-0403RP00-24H-2-000	M90	\$9,806.27	
50	146	40	24	12	3RW5243-6AC14	3143B-0503RP00-24H-2-000	M90	\$12,495.39	
60	180	60	36	12	3RW5244-6AC14	3143B-0603RP00-24H-2-000	M90	\$13,450.94	
	171	60	36	12	3RW5245-6AC14	3143B-0603RP00-24H-2-002	M90	\$14,966.44	
75	230	60	36	12	3RW5246-6AC14	3143B-0753RP00-24H-2-000	M90	\$17,148.71	
	236	60	36	12	3RW5247-6AC14	3143B-0753RP00-24H-2-002	M90	\$18,786.77	
100	262	60	36	12	3RW5248-6AC14	3143B-1003RP00-24H-2-000	M90	\$20,163.44	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 40-43 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P53RP00-24H-4-000		M90	\$5,957.41
10	15.9	36	24	10	3RW5214-1AC14	3143B-0103RP00-24H-4-000		M90	\$6,098.30
15	22.3	36	24	10	3RW5215-1AC14	3143B-0153RP00-24H-4-000		M90	\$6,262.08
	27.2	36	24	10	3RW5216-1AC14	3143B-0203RP00-24H-4-000		M90	\$6,450.86
20	31.5	36	24	10	3RW5217-1AC14	3143B-0203RP00-24H-4-002		M90	\$6,660.75
	41.6	36	24	12	3RW5224-1AC14	3143B-0303RP00-24H-4-000		M90	\$7,072.58
40	55.5	40	24	12	3RW5225-1AC14	3143B-0403RP00-24H-4-000		M90	\$7,347.49
	59.0	40	24	12	3RW5226-1AC14	3143B-0403RP00-24H-4-002		M90	\$7,685.97
50	82.5	40	24	12	3RW5227-1AC14	3143B-0503RP00-24H-4-000		M90	\$8,082.68
60	82.5	40	24	12	3RW5227-1AC14	3143B-0603RP00-24H-4-000		M90	\$8,082.68
	97.0	40	24	12	3RW5234-6AC14	3143B-0753RP00-24H-4-000		M90	\$8,446.04
75	103.0	40	24	12	3RW5235-6AC14	3143B-0753RP00-24H-4-002		M90	\$9,123.98
	117.0	40	24	12	3RW5236-6AC14	3143B-0753RP00-24H-4-003		M90	\$9,938.86
100	146.0	40	24	12	3RW5243-6AC14	3143B-1003RP00-24H-4-000		M90	\$12,495.76
125	171.0	60	36	12	3RW5245-6AC14	3143B-1253RP00-24H-4-000		M90	\$13,965.80
	180.0	60	36	12	3RW5244-6AC14	3143B-1503RP00-24H-4-000		M90	\$15,027.15
150	230.0	60	36	12	3RW5246-6AC14	3143B-1503RP00-24H-4-002		M90	\$17,259.18
	236.0	60	36	12	3RW5247-6AC14	3143B-1503RP00-24H-4-003		M90	\$18,897.26
200	262.0	60	36	12	3RW5248-6AC14	3143B-2003RP00-24H-4-000		M90	\$20,199.02

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034TP00-24H-2-000	M90	\$5,282.94	
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054TP00-24H-2-000	M90	\$5,418.23	
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54TP00-24H-2-000	M90	\$5,575.50	
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104TP00-24H-2-000	M90	\$5,756.79	
	33.5	36	24	10	3RW5217-1AC14	3043B-0104TP00-24H-2-002	M90	\$5,958.34	
	41.6	36	24	12	3RW5224-1AC14	3043B-0104TP00-24H-2-003	M90	\$6,344.39	
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204TP00-24H-2-000	M90	\$6,608.40	
25	68	40	24	12	3RW5226-1AC14	3043B-0254TP00-24H-2-000	M90	\$6,852.31	
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304TP00-24H-2-000	M90	\$7,314.41	
	101	40	24	12	3RW5234-6AC14	3043B-0304TP00-24H-2-002	M90	\$7,663.35	
40	128	40	24	12	3RW5235-6AC14	3043B-0404TP00-24H-2-000	M90	\$8,441.75	
50	153	40	24	12	3RW5236-6AC14	3043B-0504TP00-24H-2-000	M90	\$9,096.93	
60	186	40	24	12	3RW5243-6AC14	3043B-0604TP00-24H-2-000	M90	\$11,974.70	
75	220	60	36	12	3RW5244-6AC14	3043B-0754TP00-24H-2-000	M90	\$12,892.33	
100	279	60	36	12	3RW5245-6AC14	3043B-1004TP00-24H-2-000	M90	\$14,699.00	
125	328	60	36	12	3RW5246-6AC14	3043B-1254TP00-24H-2-000	M90	\$18,388.09	
150	416	60	36	12	3RW5247-6AC14	3043B-1504TP00-24H-2-000	M90	\$19,968.27	
200	504	60	36	12	3RW5248-6AC14	3043B-2004TP00-24H-2-000	M90	\$21,290.31	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

- Soft Torque
- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System

Power

- 480V: 7.5 HP - 400HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54TP00-24H-4-000	M90	\$5,282.94	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104TP00-24H-4-000	M90	\$5,418.23	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154TP00-24H-4-000	M90	\$5,575.50	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204TP00-24H-4-000	M90	\$5,756.79	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204TP00-24H-4-002	M90	\$5,958.34	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304TP00-24H-4-000	M90	\$6,344.39	
40	55.5	40	24	12	3RW5225-1AC14	3043B-0404TP00-24H-4-000	M90	\$6,608.40	
50	68.0	40	24	12	3RW5226-1AC14	3043B-0504TP00-24H-4-000	M90	\$6,852.31	
60	82.5	40	24	12	3RW5227-1AC14	3043B-0604TP00-24H-4-000	M90	\$7,314.41	
75	101.0	40	24	12	3RW5234-6AC14	3043B-0754TP00-24H-4-000	M90	\$7,663.35	
100	128.0	40	24	12	3RW5235-6AC14	3043B-1004TP00-24H-4-000	M90	\$8,441.75	
	153.0	40	24	12	3RW5236-6AC14	3043B-1004TP00-24H-4-002	M90	\$9,096.93	
150	186.0	40	24	12	3RW5243-6AC14	3043B-1504TP00-24H-4-000	M90	\$11,974.70	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504TP00-24H-4-002	M90	\$12,892.33	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004TP00-24H-4-000	M90	\$14,805.11	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504TP00-24H-4-000	M90	\$18,494.20	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504TP00-24H-4-000	M90	\$20,074.37	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004TP00-24H-4-000	M90	\$21,396.42	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

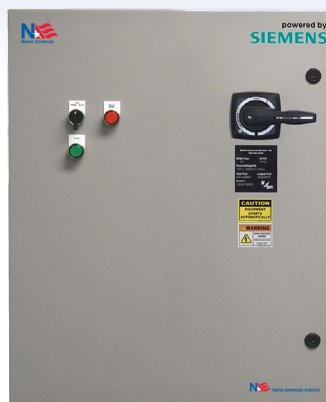
APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Series 3RW52
Class 20E



(See pp. 40-43 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034TP00-24H-2-000		M90	\$5,501.24
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054TP00-24H-2-000		M90	\$5,642.11
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P54TP00-24H-2-000		M90	\$6,262.08
	27.2	36	24	10	3RW5216-1AC14	3143B-7P54TP00-24H-2-002		M90	\$5,994.68
10	30.5	36	24	10	3RW5217-1AC14	3143B-0104TP00-24H-2-000		M90	\$6,204.57
15	41.6	36	24	12	3RW5224-1AC14	3143B-0154TP00-24H-2-000		M90	\$6,609.75
	55.5	40	24	12	3RW5225-1AC14	3143B-0204TP00-24H-2-000		M90	\$6,881.48
20	59	40	24	12	3RW5226-1AC14	3143B-0204TP00-24H-2-002		M90	\$7,135.47
	82.5	40	24	12	3RW5227-1AC14	3143B-0304TP00-24H-2-000		M90	\$7,616.65
	97	40	24	12	3RW5234-6AC14	3143B-0304TP00-24H-2-002		M90	\$7,980.01
40	103	40	24	12	3RW5235-6AC14	3143B-0304TP00-24H-2-003		M90	\$8,657.97
	117	40	24	12	3RW5236-6AC14	3143B-0404TP00-24H-2-000		M90	\$9,340.23
50	146	40	24	12	3RW5243-6AC14	3143B-0504TP00-24H-2-000		M90	\$11,954.66
60	180	60	36	12	3RW5244-6AC14	3143B-0604TP00-24H-2-000		M90	\$12,910.21
	171	60	36	12	3RW5245-6AC14	3143B-0604TP00-24H-2-002		M90	\$14,451.45
75	230	60	36	12	3RW5246-6AC14	3143B-0754TP00-24H-2-000		M90	\$16,607.98
	236	60	36	12	3RW5247-6AC14	3143B-0754TP00-24H-2-002		M90	\$18,246.05
100	262	60	36	12	3RW5248-6AC14	3143B-1004TP00-24H-2-000		M90	\$19,622.74

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series

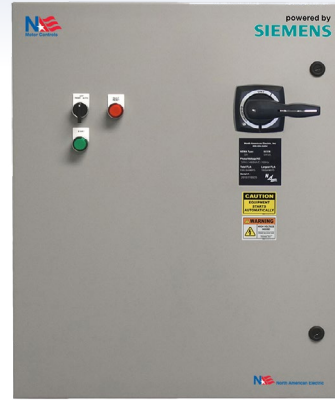


Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications



(See pp. 40-43 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

- Soft Torque
- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54TP00-24H-4-000	M90	\$5,501.24	
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104TP00-24H-4-000	M90	\$5,642.11	
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154TP00-24H-4-000	M90	\$5,805.90	
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204TP00-24H-4-000	M90	\$5,994.68	
	30.5	36	24	10	3RW5217-1AC14	3143B-0204TP00-24H-4-002	M90	\$6,204.57	
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304TP00-24H-4-000	M90	\$6,606.57	
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404TP00-24H-4-000	M90	\$6,881.48	
	59.0	40	24	12	3RW5226-1AC14	3143B-0404TP00-24H-4-002	M90	\$7,219.93	
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504TP00-24H-4-000	M90	\$7,616.65	
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604TP00-24H-4-000	M90	\$7,616.65	
75	97.0	40	24	12	3RW5234-6AC14	3143B-0754TP00-24H-4-000	M90	\$7,980.01	
	103.0	40	24	12	3RW5235-6AC14	3143B-0754TP00-24H-4-002	M90	\$8,657.97	
	117.0	40	24	12	3RW5236-6AC14	3143B-0754TP00-24H-4-003	M90	\$9,472.85	
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004TP00-24H-4-000	M90	\$11,955.04	
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254TP00-24H-4-000	M90	\$14,486.43	
150	180.0	60	36	12	3RW5244-6AC14	3143B-1504TP00-24H-4-000	M90	\$13,425.06	
	230.0	60	36	12	3RW5246-6AC14	3143B-1504TP00-24H-4-002	M90	\$13,425.06	
	236.0	60	36	12	3RW5247-6AC14	3143B-1504TP00-24H-4-003	M90	\$13,425.06	
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004TP00-24H-4-000	M90	\$19,622.74	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 40-43 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0033RP00-32B-2-000		M90	\$6,905.82
5	15.9	36	24	10	3RW5214-1AC14	3043B-0053RP00-32B-2-000		M90	\$7,041.10
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P53RP00-32B-2-000		M90	\$7,198.38
	28.4	36	24	10	3RW5216-1AC14	3043B-0103RP00-32B-2-000		M90	\$7,379.68
10	33.5	36	24	10	3RW5217-1AC14	3043B-0103RP00-32B-2-002		M90	\$7,581.23
	41.6	36	24	12	3RW5224-1AC14	3043B-0103RP00-32B-2-003		M90	\$7,976.72
	55.5	40	24	12	3RW5225-1AC14	3043B-0203RP00-32B-2-000		M90	\$8,240.74
20	68	40	24	12	3RW5226-1AC14	3043B-0253RP00-32B-2-000		M90	\$8,484.64
30	82.5	40	24	12	3RW5227-1AC14	3043B-0303RP00-32B-2-000		M90	\$8,946.74
	101	40	24	12	3RW5234-6AC14	3043B-0303RP00-32B-2-002		M90	\$9,295.69
40	128	40	24	12	3RW5235-6AC14	3043B-0403RP00-32B-2-000		M90	\$10,074.08
50	153	40	24	12	3RW5236-6AC14	3043B-0503RP00-32B-2-000		M90	\$10,729.27
60	186	40	24	12	3RW5243-6AC14	3043B-0603RP00-32B-2-000		M90	\$13,678.77
75	220	60	36	12	3RW5244-6AC14	3043B-0753RP00-32B-2-000		M90	\$14,596.40
100	279	60	36	12	3RW5245-6AC14	3043B-1003RP00-32B-2-000		M90	\$16,403.07
125	328	60	36	12	3RW5246-6AC14	3043B-1253RP00-32B-2-000		M90	\$20,092.17
150	416	60	36	12	3RW5247-6AC14	3043B-1503RP00-32B-2-000		M90	\$21,672.34
200	504	60	36	12	3RW5248-6AC14	3043B-2003RP00-32B-2-000		M90	\$22,994.37

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 207-210
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 40-43 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P53RP00-32B-4-000		M90	\$6,905.82
10	15.9	36	24	10	3RW5214-1AC14	3043B-0103RP00-32B-4-000		M90	\$7,041.10
15	22.3	36	24	10	3RW5215-1AC14	3043B-0153RP00-32B-4-000		M90	\$7,198.39
20	28.4	36	24	10	3RW5216-1AC14	3043B-0203RP00-32B-4-000		M90	\$7,379.68
	33.5	36	24	10	3RW5217-1AC14	3043B-0203RP00-32B-4-002		M90	\$7,581.23
30	41.6	36	24	12	3RW5224-1AC14	3043B-0303RP00-32B-4-000		M90	\$7,976.72
40	55.5	40	24	12	3RW5225-1AC14	3043B-0403RP00-32B-4-000		M90	\$8,240.74
50	68.0	40	24	12	3RW5226-1AC14	3043B-0503RP00-32B-4-000		M90	\$8,484.64
60	82.5	40	24	12	3RW5227-1AC14	3043B-0603RP00-32B-4-000		M90	\$8,946.74
75	101.0	40	24	12	3RW5234-6AC14	3043B-0753RP00-32B-4-000		M90	\$9,295.69
100	128.0	40	24	12	3RW5235-6AC14	3043B-1003RP00-32B-4-000		M90	\$10,074.08
	153.0	40	24	12	3RW5236-6AC14	3043B-1003RP00-32B-4-002		M90	\$10,729.27
150	186.0	40	24	12	3RW5243-6AC14	3043B-1503RP00-32B-4-000		M90	\$13,678.77
	220.0	60	36	12	3RW5244-6AC14	3043B-1503RP00-32B-4-002		M90	\$14,596.40
200	279.0	60	36	12	3RW5245-6AC14	3043B-2003RP00-32B-4-000		M90	\$16,509.17
250	328.0	60	36	12	3RW5246-6AC14	3043B-2503RP00-32B-4-000		M90	\$20,198.27
350	416.0	60	36	12	3RW5247-6AC14	3043B-3503RP00-32B-4-000		M90	\$21,778.44
400	504.0	60	36	12	3RW5248-6AC14	3043B-4003RP00-32B-4-000		M90	\$23,100.47

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Series
3RW52
Class
20E



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0033RP00-32B-2-000	M90	\$7,191.18	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0053RP00-32B-2-000	M90	\$7,332.07	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P53RP00-32B-2-000	M90	\$7,495.86	
	28.4	36	24	10	3RW5216-1AC14	3143B-7P53RP00-32B-2-002	M90	\$7,684.62	
10	33.5	36	24	10	3RW5217-1AC14	3143B-0103RP00-32B-2-000	M90	\$7,894.51	
	41.6	36	24	12	3RW5224-1AC14	3143B-0103RP00-32B-2-002	M90	\$8,309.55	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0203RP00-32B-2-000	M90	\$8,581.25	
	59	40	24	12	3RW5226-1AC14	3143B-0253RP00-32B-2-002	M90	\$8,835.25	
30	82.5	40	24	12	3RW5227-1AC14	3143B-0303RP00-32B-2-000	M90	\$9,316.44	
	97	40	24	12	3RW5234-6AC14	3143B-0303RP00-32B-2-002	M90	\$9,679.81	
	103	40	24	12	3RW5235-6AC14	3143B-0303RP00-32B-2-003	M90	\$10,428.89	
40	117	40	24	12	3RW5236-6AC14	3143B-0403RP00-32B-2-000	M90	\$11,111.15	
50	146	40	24	12	3RW5243-6AC14	3143B-0503RP00-32B-2-000	M90	\$13,839.63	
60	180	60	36	12	3RW5244-6AC14	3143B-0603RP00-32B-2-000	M90	\$14,795.18	
	171	60	36	12	3RW5245-6AC14	3143B-0603RP00-32B-2-002	M90	\$16,310.67	
75	230	60	36	12	3RW5246-6AC14	3143B-0753RP00-32B-2-000	M90	\$18,382.46	
	236	60	36	12	3RW5247-6AC14	3143B-0753RP00-32B-2-002	M90	\$20,020.54	
100	262	60	36	12	3RW5248-6AC14	3143B-1003RP00-32B-2-000	M90	\$21,397.20	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 207-210
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P53RP00-32B-4-000		M90	\$7,191.18
10	15.9	36	24	10	3RW5214-1AC14	3143B-0103RP00-32B-4-000		M90	\$7,332.07
15	22.3	36	24	10	3RW5215-1AC14	3143B-0153RP00-32B-4-000		M90	\$7,495.86
	27.2	36	24	10	3RW5216-1AC14	3143B-0203RP00-32B-4-000		M90	\$7,684.62
20	31.5	36	24	10	3RW5217-1AC14	3143B-0203RP00-32B-4-002		M90	\$7,894.51
	41.6	36	24	12	3RW5224-1AC14	3143B-0303RP00-32B-4-000		M90	\$8,306.33
40	55.5	40	24	12	3RW5225-1AC14	3143B-0403RP00-32B-4-000		M90	\$8,581.25
	59.0	40	24	12	3RW5226-1AC14	3143B-0403RP00-32B-4-002		M90	\$8,919.73
50	82.5	40	24	12	3RW5227-1AC14	3143B-0503RP00-32B-4-000		M90	\$9,316.44
60	82.5	40	24	12	3RW5227-1AC14	3143B-0603RP00-32B-4-000		M90	\$9,679.81
	97.0	40	24	12	3RW5234-6AC14	3143B-0753RP00-32B-4-000		M90	\$10,357.76
75	103.0	40	24	12	3RW5235-6AC14	3143B-0753RP00-32B-4-002		M90	\$11,172.62
	117.0	40	24	12	3RW5236-6AC14	3143B-0753RP00-32B-4-003		M90	\$13,729.54
100	146.0	40	24	12	3RW5243-6AC14	3143B-1003RP00-32B-4-000		M90	\$15,199.56
125	171.0	60	36	12	3RW5245-6AC14	3143B-1253RP00-32B-4-000		M90	\$15,720.19
	180.0	60	36	12	3RW5244-6AC14	3143B-1503RP00-32B-4-000		M90	\$18,492.94
150	230.0	60	36	12	3RW5246-6AC14	3143B-1503RP00-32B-4-002		M90	\$20,131.02
	236.0	60	36	12	3RW5247-6AC14	3143B-1503RP00-32B-4-003		M90	\$21,397.20
200	262.0	60	36	12	3RW5248-6AC14	3143B-2003RP00-32B-4-000		M90	\$21,488.19

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Series 3RW52
Class 10E



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034TP00-32B-2-000		M90	\$6,467.76
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054TP00-32B-2-000		M90	\$6,603.03
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54TP00-32B-2-000		M90	\$6,760.31
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104TP00-32B-2-000		M90	\$6,941.59
	33.5	36	24	10	3RW5217-1AC14	3043B-0104TP00-32B-2-002		M90	\$7,143.16
	41.6	36	24	12	3RW5224-1AC14	3043B-0104TP00-32B-2-003		M90	\$7,529.19
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204TP00-32B-2-000		M90	\$7,793.21
25	68	40	24	12	3RW5226-1AC14	3043B-0254TP00-32B-2-000		M90	\$8,037.11
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304TP00-32B-2-000		M90	\$8,499.20
	101	40	24	12	3RW5234-6AC14	3043B-0304TP00-32B-2-002		M90	\$8,848.15
40	128	40	24	12	3RW5235-6AC14	3043B-0404TP00-32B-2-000		M90	\$9,626.55
50	153	40	24	12	3RW5236-6AC14	3043B-0504TP00-32B-2-000		M90	\$10,281.74
60	186	40	24	12	3RW5243-6AC14	3043B-0604TP00-32B-2-000		M90	\$13,159.50
75	220	60	36	12	3RW5244-6AC14	3043B-0754TP00-32B-2-000		M90	\$14,077.14
100	279	60	36	12	3RW5245-6AC14	3043B-1004TP00-32B-2-000		M90	\$15,883.80
125	328	60	36	12	3RW5246-6AC14	3043B-1254TP00-32B-2-000		M90	\$19,572.91
150	416	60	36	12	3RW5247-6AC14	3043B-1504TP00-32B-2-000		M90	\$21,153.08
200	504	60	36	12	3RW5248-6AC14	3043B-2004TP00-32B-2-000		M90	\$22,475.11

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54TP00-32B-4-000	M90	\$6,467.75	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104TP00-32B-4-000	M90	\$6,603.03	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154TP00-32B-4-000	M90	\$6,760.32	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204TP00-32B-4-000	M90	\$6,941.59	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204TP00-32B-4-002	M90	\$7,143.16	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304TP00-32B-4-000	M90	\$7,529.20	
40	55.5	40	24	12	3RW5225-1AC14	3043B-0404TP00-32B-4-000	M90	\$7,793.21	
50	68.0	40	24	12	3RW5226-1AC14	3043B-0504TP00-32B-4-000	M90	\$8,037.11	
60	82.5	40	24	12	3RW5227-1AC14	3043B-0604TP00-32B-4-000	M90	\$8,499.20	
75	101.0	40	24	12	3RW5234-6AC14	3043B-0754TP00-32B-4-000	M90	\$8,848.11	
100	128.0	40	24	12	3RW5235-6AC14	3043B-1004TP00-32B-4-000	M90	\$9,630.79	
	153.0	40	24	12	3RW5236-6AC14	3043B-1004TP00-32B-4-002	M90	\$10,281.74	
150	186.0	40	24	12	3RW5243-6AC14	3043B-1504TP00-32B-4-000	M90	\$13,159.50	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504TP00-32B-4-002	M90	\$14,077.12	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004TP00-32B-4-000	M90	\$15,989.91	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504TP00-32B-4-000	M90	\$19,679.02	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504TP00-32B-4-000	M90	\$21,153.08	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004TP00-32B-4-000	M90	\$22,581.22	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Series 3RW52
Class 20E



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034TP00-32B-2-000	M90	\$6,734.99	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054TP00-32B-2-000	M90	\$6,875.88	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P54TP00-32B-2-000	M90	\$7,039.67	
10	28.4	36	24	10	3RW5216-1AC14	3143B-0104TP00-32B-2-000	M90	\$7,228.43	
	33.5	36	24	10	3RW5217-1AC14	3143B-0104TP00-32B-2-002	M90	\$7,438.33	
	41.6	36	24	12	3RW5224-1AC14	3143B-0104TP00-32B-2-003	M90	\$7,840.32	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0204TP00-32B-2-000	M90	\$8,115.24	
	59	40	24	12	3RW5226-1AC14	3143B-0254TP00-32B-2-000	M90	\$8,369.22	
30	82.5	40	24	12	3RW5227-1AC14	3143B-0304TP00-32B-2-000	M90	\$8,850.41	
	97	40	24	12	3RW5234-6AC14	3143B-0304TP00-32B-2-002	M90	\$9,891.74	
	103	40	24	12	3RW5235-6AC14	3143B-0304TP00-32B-2-003	M90	\$10,573.98	
40	117	40	24	12	3RW5236-6AC14	3143B-0404TP00-32B-2-000	M90	\$13,188.43	
50	146	40	24	12	3RW5243-6AC14	3143B-0504TP00-32B-2-000	M90	\$14,143.97	
60	180	60	36	12	3RW5244-6AC14	3143B-0604TP00-32B-2-000	M90	\$15,685.20	
	171	60	36	12	3RW5245-6AC14	3143B-0604TP00-32B-2-002	M90	\$17,841.75	
75	230	60	36	12	3RW5246-6AC14	3143B-0754TP00-32B-2-000	M90	\$19,479.83	
	236	60	36	12	3RW5247-6AC14	3143B-0754TP00-32B-2-002	M90	\$20,856.49	
100	262	60	36	12	3RW5248-6AC14	3143B-1004TP00-32B-2-000	M90	\$21,059.13	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54TP00-32B-4-000		M90	\$6,734.99
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104TP00-32B-4-000		M90	\$6,875.88
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154TP00-32B-4-000		M90	\$7,039.67
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204TP00-32B-4-000		M90	\$7,228.43
	30.5	36	24	10	3RW5217-1AC14	3143B-0204TP00-32B-4-002		M90	\$7,438.33
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304TP00-32B-4-000		M90	\$7,840.32
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404TP00-32B-4-000		M90	\$8,115.24
	59.0	40	24	12	3RW5226-1AC14	3143B-0404TP00-32B-4-002		M90	\$8,453.69
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504TP00-32B-4-000		M90	\$8,850.41
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604TP00-32B-4-000		M90	\$8,850.41
75	97.0	40	24	12	3RW5234-6AC14	3143B-0754TP00-32B-4-000		M90	\$9,213.73
	103.0	40	24	12	3RW5235-6AC14	3143B-0754TP00-32B-4-002		M90	\$9,891.74
	117.0	40	24	12	3RW5236-6AC14	3143B-0754TP00-32B-4-003		M90	\$10,706.61
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004TP00-32B-4-000		M90	\$13,188.79
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254TP00-32B-4-000		M90	\$14,658.82
150	180.0	60	36	12	3RW5244-6AC14	3143B-1504TP00-32B-4-000		M90	\$15,720.19
	230.0	60	36	12	3RW5246-6AC14	3143B-1504TP00-32B-4-002		M90	\$17,952.24
	236.0	60	36	12	3RW5247-6AC14	3143B-1504TP00-32B-4-003		M90	\$19,590.31
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004TP00-32B-4-000		M90	\$20,856.49

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0033RP00-24H-2-000	M90	\$6,255.94	
	15.9	36	24	10	3RW5514-1HA14	3044B-0033RP00-24H-2-002	M90	\$6,473.31	
5	22.3	36	24	10	3RW5515-1HA14	3044B-0053RP00-24H-2-000	M90	\$6,697.35	
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P53RP00-24H-2-002	M90	\$6,941.24	
10	33.5	36	24	10	3RW5517-1HA14	3044B-0103RP00-24H-2-000	M90	\$7,245.96	
15	41.6	40	24	12	3RW5524-1HA14	3044B-0153RP00-24H-2-000	M90	\$7,723.05	
20	55.5	40	24	12	3RW5525-1HA14	3044B-0203RP00-24H-2-000	M90	\$8,118.15	
	68	40	24	12	3RW5526-1HA14	3044B-0203RP00-24H-2-002	M90	\$8,480.90	
25	82.5	40	24	12	3RW5527-1HA14	3044B-0253RP00-24H-2-000	M90	\$9,053.51	
30	101	40	24	12	3RW5534-2HA14	3044B-0303RP00-24H-2-000	M90	\$9,554.08	
40	128	40	24	12	3RW5535-2HA14	3044B-0403RP00-24H-2-000	M90	\$10,508.33	
50	153	40	24	12	3RW5536-2HA14	3044B-0503RP00-24H-2-000	M90	\$11,570.51	
60	186	60	36	12	3RW5543-2HA14	3044B-0603RP00-24H-2-000	M90	\$14,350.97	
75	220	60	36	12	3RW5544-2HA14	3044B-0753RP00-24H-2-000	M90	\$16,172.02	
100	279	60	36	12	3RW5545-2HA14	3044B-1003RP00-24H-2-000	M90	\$18,424.61	
125	328	60	36	12	3RW5546-2HA14	3044B-1253RP00-24H-2-000	M90	\$22,753.70	
150	416	60	36	12	3RW5547-2HA14	3044B-1503RP00-24H-2-000	M90	\$24,996.14	
200	504	60	48	12	3RW5548-2HA14	3044B-2003RP00-24H-2-000	M90	\$29,330.81	
	561	60	48	12	3RW5552-6HA14	3044B-2003RP00-24H-2-002	M90	\$31,200.37	
250	641	60	48	12	3RW5553-6HA14	3044B-2503RP00-24H-2-000	M90	\$32,966.24	
300	748	60	48	12	3RW5554-6HA14	3044B-3003RP00-24H-2-000	M90	\$34,752.14	
400	979	60	48	12	3RW5556-6HA14	3044B-4003RP00-24H-2-000	M90	\$38,453.01	
450	1139	60	48	12	3RW5558-6HA14	3044B-4503RP00-24H-2-000	M90	\$47,002.17	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133

Warranty on pp. 201-205

Enclosure Information on p. 200



HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P53RP00-24H-4-000	M90	\$6,255.94	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0103RP00-24H-4-000	M90	\$6,473.31	
	22.3	36	24	10	3RW5515-1HA14	3044B-0153RP00-24H-4-000	M90	\$6,697.35	
15	28.4	36	24	10	3RW5516-1HA14	3044B-0153RP00-24H-4-002	M90	\$6,941.24	
	33.5	36	24	10	3RW5517-1HA14	3044B-0203RP00-24H-4-000	M90	\$7,245.96	
20	41.6	40	24	12	3RW5524-1HA14	3044B-0303RP00-24H-4-000	M90	\$7,723.05	
30	55.5	40	24	12	3RW5525-1HA14	3044B-0403RP00-24H-4-000	M90	\$8,118.15	
40	68	40	24	12	3RW5526-1HA14	3044B-0503RP00-24H-4-000	M90	\$8,480.90	
60	82.5	40	24	12	3RW5527-1HA14	3044B-0603RP00-24H-4-000	M90	\$9,053.51	
	101	40	24	12	3RW5534-2HA14	3044B-0753RP00-24H-4-000	M90	\$9,554.08	
75	128	40	24	12	3RW5535-2HA14	3044B-0753RP00-24H-4-002	M90	\$10,508.33	
	153	40	24	12	3RW5536-2HA14	3044B-1003RP00-24H-4-000	M90	\$11,570.51	
100	186	60	36	12	3RW5543-2HA14	3044B-1503RP00-24H-4-000	M90	\$14,350.97	
	220	60	36	12	3RW5544-2HA14	3044B-1503RP00-24H-4-002	M90	\$16,172.02	
150	279	60	36	12	3RW5545-2HA14	3044B-2003RP00-24H-4-000	M90	\$18,424.61	
200	328	60	36	12	3RW5546-2HA14	3044B-2503RP00-24H-4-000	M90	\$22,753.70	
250	416	60	36	12	3RW5547-2HA14	3044B-3003RP00-24H-4-000	M90	\$24,996.14	
300	504	60	48	12	3RW5548-2HA14	3044B-4003RP00-24H-4-000	M90	\$29,330.81	
400	561	60	48	12	3RW5552-6HA14	3044B-4503RP00-24H-4-000	M90	\$31,200.37	
450	641	60	48	12	3RW5553-6HA14	3044B-5003RP00-24H-4-000	M90	\$32,966.24	
500	748	60	48	12	3RW5554-6HA14	3044B-6003RP00-24H-4-000	M90	\$34,752.14	
600	979	60	48	12	3RW5556-6HA14	3044B-8503RP00-24H-4-000	M90	\$38,453.01	
850	1139	60	48	12	3RW5558-6HA14	3044B-1K03RP00-24H-4-000	M90	\$47,002.17	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0033RP00-24H-2-000		M90	\$6,514.45
5	15.9	36	24	10	3RW5514-1HA14	3144B-0053RP00-24H-2-000		M90	\$6,740.81
	22.3	36	24	10	3RW5515-1HA14	3144B-7P53RP00-24H-2-000		M90	\$6,974.10
7.5	27.2	36	24	10	3RW5516-1HA14	3144B-7P53RP00-24H-2-002		M90	\$7,228.05
	30.5	36	24	10	3RW5517-1HA14	3144B-0103RP00-24H-2-000		M90	\$7,545.39
15	41.6	40	24	12	3RW5524-1HA14	3144B-0153RP00-24H-2-000		M90	\$8,042.18
20	55.5	40	24	12	3RW5525-1HA14	3144B-0203RP00-24H-2-000		M90	\$8,453.59
25	68	40	24	12	3RW5526-1HA14	3144B-0253RP00-24H-2-000		M90	\$8,831.35
	82.5	40	24	12	3RW5527-1HA14	3144B-0303RP00-24H-2-000		M90	\$9,427.62
30	97	40	24	12	3RW5534-2HA14	3144B-0303RP00-24H-2-002		M90	\$9,948.89
	113	40	24	12	3RW5535-2HA14	3144B-0403RP00-24H-2-000		M90	\$10,942.54
40	126	40	24	12	3RW5536-2HA14	3144B-0403RP00-24H-2-002		M90	\$12,048.61
	146	60	36	12	3RW5543-2HA14	3144B-0503RP00-24H-2-000		M90	\$14,943.99
60	180	60	36	12	3RW5544-2HA14	3144B-0603RP00-24H-2-002		M90	\$16,840.28
	207	60	36	12	3RW5545-2HA14	3144B-0753RP00-24H-2-000		M90	\$19,185.96
75	230	60	36	12	3RW5546-2HA14	3144B-0753RP00-24H-2-002		M90	\$23,693.93
	254	60	36	12	3RW5547-2HA14	3144B-1003RP00-24H-2-000		M90	\$26,029.05
100	262	60	36	12	3RW5548-2HA14	3144B-1003RP00-24H-2-002		M90	\$30,542.82
	450	60	48	12	3RW5552-6HA14	3144B-1503RP00-24H-2-000		M90	\$32,489.65
150	470	60	48	12	3RW5553-6HA14	3144B-1503RP00-24H-2-002		M90	\$34,328.46
	520	60	48	12	3RW5554-6HA14	3144B-2003RP00-24H-2-000		M90	\$36,188.17
200	520	60	48	12	3RW5554-6HA14	3144B-2003RP00-24H-2-000		M90	\$36,188.17
350	840	60	48	12	3RW5556-6HA14	3144B-3503RP00-24H-2-000		M90	\$40,041.97
400	900	60	48	12	3RW5558-6HA14	3144B-4003RP00-24H-2-000		M90	\$48,944.41

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/ DISCONNECT

ACROSS THE LINE STARTER

PART WIND STARTER

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P53RP00-24H-4-000		M90	\$6,514.45
10	15.9	36	24	10	3RW5514-1HA14	3144B-0103RP00-24H-4-000		M90	\$6,740.81
15	22.3	36	24	10	3RW5515-1HA14	3144B-0153RP00-24H-4-000		M90	\$6,974.10
20	27.2	36	24	10	3RW5516-1HA14	3144B-0203RP00-24H-4-000		M90	\$7,228.05
	30.5	36	24	10	3RW5517-1HA14	3144B-0203RP00-24H-4-002		M90	\$7,545.39
30	41.6	40	24	12	3RW5524-1HA14	3144B-0303RP00-24H-4-000		M90	\$8,042.18
40	55.5	40	24	12	3RW5525-1HA14	3144B-0403RP00-24H-4-000		M90	\$8,453.59
50	68	40	24	12	3RW5526-1HA14	3144B-0503RP00-24H-4-000		M90	\$8,831.35
60	82.5	40	24	12	3RW5527-1HA14	3144B-0603RP00-24H-4-000		M90	\$9,427.62
75	97	40	24	12	3RW5534-2HA14	3144B-0753RP00-24H-4-000		M90	\$9,948.89
	113	40	24	12	3RW5535-2HA14	3144B-0753RP00-24H-4-002		M90	\$10,942.54
100	126	40	24	12	3RW5536-2HA14	3144B-1003RP00-24H-4-000		M90	\$12,048.61
	146	60	36	12	3RW5543-2HA14	3144B-1003RP00-24H-4-002		M90	\$14,943.99
125	180	60	36	12	3RW5544-2HA14	3144B-1253RP00-24H-4-000		M90	\$16,840.28
150	207	60	36	12	3RW5545-2HA14	3144B-1503RP00-24H-4-000		M90	\$19,185.96
	230	60	36	12	3RW5546-2HA14	3144B-1503RP00-24H-4-002		M90	\$23,693.93
200	254	60	36	12	3RW5547-2HA14	3144B-2003RP00-24H-4-000		M90	\$26,029.05
	262	60	36	12	3RW5548-2HA14	3144B-2003RP00-24H-4-002		M90	\$30,542.82
350	450	60	48	12	3RW5552-6HA14	3144B-3503RP00-24H-4-000		M90	\$32,489.65
	470	60	48	12	3RW5553-6HA14	3144B-3503RP00-24H-4-002		M90	\$34,328.46
450	520	60	48	12	3RW5554-6HA14	3144B-4503RP00-24H-4-000		M90	\$36,188.17
700	840	60	48	12	3RW5556-6HA14	3144B-7003RP00-24H-4-000		M90	\$40,041.97
750	900	60	48	12	3RW5558-6HA14	3144B-7503RP00-24H-4-000		M90	\$48,944.41

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0033RP00-24H-2-000	M90	\$6,514.45	
5	15.9	36	24	10	3RW5514-1HA14	3244B-0053RP00-24H-2-000	M90	\$6,740.81	
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P53RP00-24H-2-000	M90	\$6,974.10	
10	23.6	36	24	10	3RW5516-1HA14	3244B-0103RP00-24H-2-000	M90	\$7,228.05	
	26.0	36	24	10	3RW5517-1HA14	3244B-0103RP00-24H-2-002	M90	\$7,545.39	
15	38.0	40	24	12	3RW5524-1HA14	3244B-0103RP00-24H-2-003	M90	\$8,042.18	
	48.0	40	24	12	3RW5525-1HA14	3244B-0153RP00-24H-2-000	M90	\$8,444.19	
20	62	40	24	12	3RW5526-1HA14	3244B-0203RP00-24H-2-000	M90	\$8,834.37	
25	75.5	40	24	12	3RW5527-1HA14	3244B-0253RP00-24H-2-000	M90	\$9,233.65	
	81	40	24	12	3RW5534-2HA14	3244B-0253RP00-24H-2-002	M90	\$9,999.87	
30	98	40	24	12	3RW5535-2HA14	3244B-0303RP00-24H-2-000	M90	\$10,942.54	
40	105	40	24	12	3RW5536-2HA14	3244B-0403RP00-24H-2-000	M90	\$11,916.01	
	122	60	36	12	3RW5543-2HA14	3244B-0403RP00-24H-2-002	M90	\$14,811.37	
50	140	60	36	12	3RW5544-2HA14	3244B-0503RP00-24H-2-000	M90	\$16,325.80	
	159	60	36	12	3RW5545-2HA14	3244B-0603RP00-24H-2-000	M90	\$18,517.16	
60	174	60	36	12	3RW5546-2HA14	3244B-0603RP00-24H-2-002	M90	\$20,485.16	
	190	60	36	12	3RW5547-2HA14	3244B-0603RP00-24H-2-003	M90	\$23,481.69	
75	200	60	36	12	3RW5548-2HA14	3244B-0753RP00-24H-2-002	M90	\$27,802.79	
125	340	60	48	12	3RW5552-6HA14	3244B-1253RP00-24H-2-000	M90	\$30,262.67	
150	360	60	48	12	3RW5553-6HA14	3244B-1503RP00-24H-2-000	M90	\$34,128.41	
	380	60	48	12	3RW5554-6HA14	3244B-1503RP00-24H-2-002	M90	\$35,988.12	
250	670	60	48	12	3RW5556-6HA14	3244B-2503RP00-24H-2-000	M90	\$40,041.97	
300	720	60	48	12	3RW5558-6HA14	3244B-3003RP00-24H-2-000	M90	\$44,062.60	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/ DISCONNECT

ACROSS THE LINE STARTER

PART WIND STARTER

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P53RP00-24H-4-000		M90	\$6,514.45
10	15.9	36	24	10	3RW5514-1HA14	3244B-0103RP00-24H-4-000		M90	\$6,740.81
	22.3	36	24	10	3RW5515-1HA14	3244B-0153RP00-24H-4-000		M90	\$6,974.10
15	23.6	36	24	10	3RW5516-1HA14	3244B-0153RP00-24H-4-002		M90	\$7,228.05
	26.0	36	24	10	3RW5517-1HA14	3244B-0153RP00-24H-4-003		M90	\$7,545.39
25	38.0	40	24	12	3RW5524-1HA14	3244B-0253RP00-24H-4-000		M90	\$8,042.18
30	48.0	40	24	12	3RW5525-1HA14	3244B-0303RP00-24H-4-000		M90	\$8,444.19
40	62	40	24	12	3RW5526-1HA14	3244B-0403RP00-24H-4-000		M90	\$8,834.37
50	75.5	40	24	12	3RW5527-1HA14	3244B-0503RP00-24H-4-000		M90	\$9,233.65
60	81	40	24	12	3RW5534-2HA14	3244B-0603RP00-24H-4-000		M90	\$9,999.87
	98	40	24	12	3RW5535-2HA14	3244B-0753RP00-24H-4-000		M90	\$10,942.54
75	105	40	24	12	3RW5536-2HA14	3244B-0753RP00-24H-4-002		M90	\$11,916.01
	122	60	36	12	3RW5543-2HA14	3244B-0753RP00-24H-4-003		M90	\$14,811.37
100	140	60	36	12	3RW5544-2HA14	3244B-1003RP00-24H-4-000		M90	\$16,325.80
125	159	60	36	12	3RW5545-2HA14	3244B-1253RP00-24H-4-000		M90	\$18,517.16
	174	60	36	12	3RW5546-2HA14	3244B-1253RP00-24H-4-002		M90	\$20,485.16
150	190	60	36	12	3RW5547-2HA14	3244B-1503RP00-24H-4-000		M90	\$23,481.69
	200	60	36	12	3RW5548-2HA14	3244B-1503RP00-24H-4-002		M90	\$27,802.79
250	340	60	48	12	3RW5552-6HA14	3244B-2503RP00-24H-4-000		M90	\$30,262.67
300	360	60	48	12	3RW5553-6HA14	3244B-3003RP00-24H-4-000		M90	\$34,128.41
	380	60	48	12	3RW5554-6HA14	3244B-3003RP00-24H-4-002		M90	\$34,128.41
600	670	60	48	12	3RW5556-6HA14	3244B-6003RP00-24H-4-000		M90	\$40,041.97
650	720	60	48	12	3RW5558-6HA14	3244B-6503RP00-24H-4-000		M90	\$44,062.60

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series

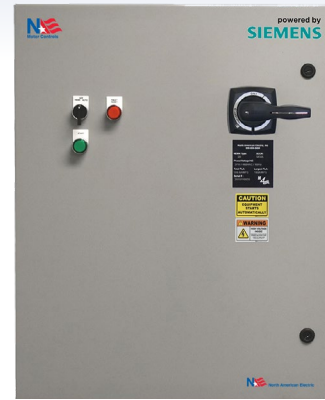


Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034TP00-24H-2-000	M90	\$5,817.86	
	15.9	36	24	10	3RW5514-1HA14	3044B-0034TP00-24H-2-002	M90	\$6,035.23	
5	22.3	36	24	10	3RW5515-1HA14	3044B-0054TP00-24H-2-000	M90	\$6,259.29	
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P54TP00-24H-2-002	M90	\$6,503.15	
10	33.5	36	24	10	3RW5517-1HA14	3044B-0104TP00-24H-2-000	M90	\$6,807.87	
15	41.6	40	24	12	3RW5524-1HA14	3044B-0154TP00-24H-2-000	M90	\$7,275.51	
20	55.5	40	24	12	3RW5525-1HA14	3044B-0204TP00-24H-2-000	M90	\$7,670.61	
	68	40	24	12	3RW5526-1HA14	3044B-0204TP00-24H-2-002	M90	\$8,033.37	
25	82.5	40	24	12	3RW5527-1HA14	3044B-0254TP00-24H-2-000	M90	\$8,605.97	
30	101	40	24	12	3RW5534-2HA14	3044B-0304TP00-24H-2-000	M90	\$9,106.56	
40	128	40	24	12	3RW5535-2HA14	3044B-0404TP00-24H-2-002	M90	\$10,060.80	
50	153	40	24	12	3RW5536-2HA14	3044B-0504TP00-24H-2-000	M90	\$11,122.97	
60	186	60	36	12	3RW5543-2HA14	3044B-0604TP00-24H-2-000	M90	\$13,831.69	
75	220	60	36	12	3RW5544-2HA14	3044B-0754TP00-24H-2-002	M90	\$15,988.97	
100	279	60	36	12	3RW5545-2HA14	3044B-1004TP00-24H-2-000	M90	\$17,905.35	
125	328	60	36	12	3RW5546-2HA14	3044B-1254TP00-24H-2-000	M90	\$22,234.44	
150	416	60	36	12	3RW5547-2HA14	3044B-1504TP00-24H-2-000	M90	\$24,476.89	
200	504	60	36	12	3RW5548-2HA14	3044B-2004TP00-24H-2-000	M90	\$26,551.83	
	561	60	48	12	3RW5552-6HA14	3044B-2004TP00-24H-2-002	M90	\$30,495.03	
250	641	60	48	12	3RW5553-6HA14	3044B-2504TP00-24H-2-000	M90	\$32,260.90	
300	748	60	48	12	3RW5554-6HA14	3044B-3004TP00-24H-2-000	M90	\$34,046.82	
400	979	60	48	12	3RW5556-6HA14	3044B-4004TP00-24H-2-000	M90	\$37,747.68	
450	1139	60	48	12	3RW5558-6HA14	3044B-4504TP00-24H-2-000	M90	\$46,296.83	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

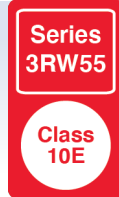
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54TP00-24H-4-000		M90	\$5,817.86
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104TP00-24H-4-000		M90	\$6,035.23
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154TP00-24H-4-000		M90	\$6,259.29
20	28.4	36	24	10	3RW5516-1HA14	3044B-0204TP00-24H-4-000		M90	\$6,503.15
25	33.5	36	24	10	3RW5517-1HA14	3044B-0254TP00-24H-4-000		M90	\$6,807.87
30	41.6	40	24	12	3RW5524-1HA14	3044B-0304TP00-24H-4-000		M90	\$7,275.51
40	55.5	40	24	12	3RW5525-1HA14	3044B-0404TP00-24H-4-000		M90	\$7,670.61
50	68	40	24	12	3RW5526-1HA14	3044B-0504TP00-24H-4-000		M90	\$8,033.37
60	82.5	40	24	12	3RW5527-1HA14	3044B-0604TP00-24H-4-000		M90	\$8,605.97
75	101	40	24	12	3RW5534-2HA14	3044B-0754TP00-24H-4-000		M90	\$9,106.56
	128	40	24	12	3RW5535-2HA14	3044B-0754TP00-24H-4-002		M90	\$10,060.80
100	153	40	24	12	3RW5536-2HA14	3044B-1004TP00-24H-4-000		M90	\$11,122.97
150	186	60	36	12	3RW5543-2HA14	3044B-1504TP00-24H-4-000		M90	\$13,831.69
	220	60	36	12	3RW5544-2HA14	3044B-1504TP00-24H-4-002		M90	\$15,652.75
200	279	60	36	12	3RW5545-2HA14	3044B-2004TP00-24H-4-000		M90	\$17,905.35
250	328	60	36	12	3RW5546-2HA14	3044B-2504TP00-24H-4-000		M90	\$22,234.44
300	416	60	36	12	3RW5547-2HA14	3044B-3004TP00-24H-4-000		M90	\$24,476.89
400	504	60	36	12	3RW5548-2HA14	3044B-4004TP00-24H-4-000		M90	\$28,625.47
450	561	60	48	12	3RW5552-6HA14	3044B-4504TP00-24H-4-000		M90	\$30,495.03
500	641	60	48	12	3RW5553-6HA14	3044B-5004TP00-24H-4-000		M90	\$32,260.90
600	748	60	48	12	3RW5554-6HA14	3044B-6004TP00-24H-4-000		M90	\$34,046.82
850	979	60	48	12	3RW5556-6HA14	3044B-8504TP00-24H-4-000		M90	\$37,747.68
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04TP00-24H-4-000		M90	\$46,296.83

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034TP00-24H-2-000		M90	\$6,058.28
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054TP00-24H-2-000		M90	\$6,284.62
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P54TP00-24H-2-000		M90	\$6,517.94
	27.2	36	24	10	3RW5516-1HA14	3144B-7P54TP00-24H-2-002		M90	\$6,771.88
10	30.5	36	24	10	3RW5517-1HA14	3144B-0104TP00-24H-2-000		M90	\$7,089.20
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154TP00-24H-2-000		M90	\$7,576.16
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204TP00-24H-2-000		M90	\$7,987.58
25	68	40	24	12	3RW5526-1HA14	3144B-0254TP00-24H-2-000		M90	\$8,365.33
	82.5	40	24	12	3RW5527-1HA14	3144B-0304TP00-24H-2-000		M90	\$8,961.60
30	97	40	24	12	3RW5534-2HA14	3144B-0304TP00-24H-2-002		M90	\$9,482.87
	113	40	24	12	3RW5535-2HA14	3144B-0404TP00-24H-2-000		M90	\$10,476.53
40	126	40	24	12	3RW5536-2HA14	3144B-0404TP00-24H-2-002		M90	\$11,582.59
	146	60	36	12	3RW5543-2HA14	3144B-0504TP00-24H-2-000		M90	\$14,403.27
60	180	60	36	12	3RW5544-2HA14	3144B-0604TP00-24H-2-002		M90	\$16,649.68
	207	60	36	12	3RW5545-2HA14	3144B-0754TP00-24H-2-000		M90	\$17,976.42
75	230	60	36	12	3RW5546-2HA14	3144B-0754TP00-24H-2-002		M90	\$20,613.25
	254	60	36	12	3RW5547-2HA14	3144B-1004TP00-24H-2-000		M90	\$25,488.32
100	262	60	36	12	3RW5548-2HA14	3144B-1004TP00-24H-2-002		M90	\$27,068.32
	450	60	48	12	3RW5552-6HA14	3144B-1504TP00-24H-2-000		M90	\$31,755.17
150	470	60	48	12	3RW5553-6HA14	3144B-1504TP00-24H-2-002		M90	\$33,594.02
	520	60	48	12	3RW5554-6HA14	3144B-2004TP00-24H-2-000		M90	\$35,453.72
350	840	60	48	12	3RW5556-6HA14	3144B-3504TP00-24H-2-000		M90	\$39,307.51
400	900	60	48	12	3RW5558-6HA14	3144B-4004TP00-24H-2-000		M90	\$41,424.37

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54TP00-24H-4-000		M90	\$6,058.28
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104TP00-24H-4-000		M90	\$6,284.62
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154TP00-24H-4-000		M90	\$6,517.94
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204TP00-24H-4-000		M90	\$6,771.88
	30.5	36	24	10	3RW5517-1HA14	3144B-0204TP00-24H-4-002		M90	\$7,089.20
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304TP00-24H-4-000		M90	\$7,576.16
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404TP00-24H-4-000		M90	\$7,987.58
50	68	40	24	12	3RW5526-1HA14	3144B-0504TP00-24H-4-000		M90	\$8,365.33
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604TP00-24H-4-000		M90	\$8,961.60
75	97	40	24	12	3RW5534-2HA14	3144B-0754TP00-24H-4-000		M90	\$9,482.87
	113	40	24	12	3RW5535-2HA14	3144B-0754TP00-24H-4-002		M90	\$10,476.53
100	129	40	24	12	3RW5536-2HA14	3144B-1004TP00-24H-4-000		M90	\$11,582.59
	146	60	36	12	3RW5543-2HA14	3144B-1004TP00-24H-4-002		M90	\$14,403.27
	180	60	36	12	3RW5544-2HA14	3144B-1504TP00-24H-4-000		M90	\$16,649.68
150	207	60	36	12	3RW5545-2HA14	3144B-1504TP00-24H-4-002		M90	\$17,976.42
	230	60	36	12	3RW5546-2HA14	3144B-1504TP00-24H-4-003		M90	\$20,613.25
200	254	60	36	12	3RW5547-2HA14	3144B-2004TP00-24H-4-000		M90	\$25,488.32
	262	60	36	12	3RW5548-2HA14	3144B-2004TP00-24H-4-002		M90	\$27,068.32
	450	60	48	12	3RW5552-6HA14	3144B-3504TP00-24H-4-000		M90	\$31,755.17
350	470	60	48	12	3RW5553-6HA14	3144B-3504TP00-24H-4-002		M90	\$33,594.02
	450	60	48	12	3RW5554-6HA14	3144B-4504TP00-24H-4-000		M90	\$35,453.72
700	840	60	48	12	3RW5556-6HA14	3144B-7004TP00-24H-4-000		M90	\$39,307.51
750	900	60	48	12	3RW5558-6HA14	3144B-7504TP00-24H-4-000		M90	\$41,424.37

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 7.5 HP - 600 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 600 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 600 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54TP00-24H-4-000	M90	\$6,058.28	
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104TP00-24H-4-000	M90	\$6,284.62	
15	22.3	36	24	10	3RW5515-1HA14	3244B-0154TP00-24H-4-000	M90	\$6,517.94	
	23.6	36	24	10	3RW5516-1HA14	3244B-0154TP00-24H-4-002	M90	\$6,771.88	
	26.0	36	24	10	3RW5517-1HA14	3244B-0154TP00-24H-4-003	M90	\$7,089.20	
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254TP00-24H-4-000	M90	\$7,581.32	
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304TP00-24H-4-000	M90	\$7,978.15	
40	62	40	24	12	3RW5526-1HA14	3244B-0404TP00-24H-4-000	M90	\$8,368.35	
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504TP00-24H-4-000	M90	\$8,767.62	
60	81	40	24	12	3RW5534-2HA14	3244B-0604TP00-24H-4-000	M90	\$9,533.82	
75	98	40	24	12	3RW5535-2HA14	3244B-0754TP00-24H-4-000	M90	\$10,476.53	
	105	40	24	12	3RW5536-2HA14	3244B-0754TP00-24H-4-002	M90	\$11,450.00	
	122	60	36	12	3RW5543-2HA14	3244B-0754TP00-24H-4-003	M90	\$14,270.66	
100	140	60	36	12	3RW5544-2HA14	3244B-1004TP00-24H-4-000	M90	\$15,785.08	
125	159	60	36	12	3RW5545-2HA14	3244B-1254TP00-24H-4-000	M90	\$17,976.42	
	174	60	36	12	3RW5546-2HA14	3244B-1254TP00-24H-4-002	M90	\$19,944.44	
150	190	60	36	12	3RW5547-2HA14	3244B-1504TP00-24H-4-000	M90	\$22,940.98	
	200	60	36	12	3RW5548-2HA14	3244B-1504TP00-24H-4-002	M90	\$27,068.32	
250	340	60	48	12	3RW5552-6HA14	3244B-2504TP00-24H-4-000	M90	\$29,528.19	
300	360	60	48	12	3RW5553-6HA14	3244B-3004TP00-24H-4-000	M90	\$33,393.95	
	380	60	48	12	3RW5554-6HA14	3244B-3004TP00-24H-4-002	M90	\$35,253.67	
550	670	60	48	12	3RW5556-6HA14	3244B-5504TP00-24H-4-000	M90	\$39,307.51	
600	720	60	48	12	3RW5558-6HA14	3244B-6004TP00-24H-4-000	M90	\$41,168.80	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

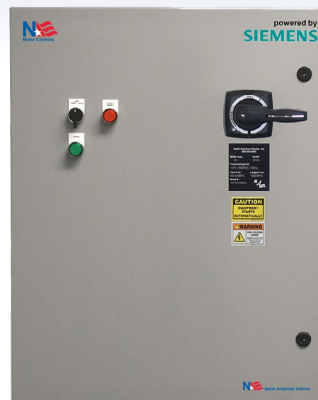
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48

- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034TP00-24H-2-000		M90	\$6,058.28
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054TP00-24H-2-000		M90	\$6,284.62
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54TP00-24H-2-000		M90	\$6,517.94
	23.6	36	24	10	3RW5516-1HA14	3244B-0104TP00-24H-2-000		M90	\$6,771.88
10	26.0	36	24	10	3RW5517-1HA14	3244B-0104TP00-24H-2-002		M90	\$7,089.20
	38.0	40	24	12	3RW5524-1HA14	3244B-0104TP00-24H-2-003		M90	\$7,581.32
15	48.0	40	24	12	3RW5525-1HA14	3244B-0154TP00-24H-2-000		M90	\$7,978.15
20	62	40	24	12	3RW5526-1HA14	3244B-0204TP00-24H-2-000		M90	\$8,368.35
25	75.5	40	24	12	3RW5527-1HA14	3244B-0254TP00-24H-2-000		M90	\$8,767.62
	81	40	24	12	3RW5534-2HA14	3244B-0254TP00-24H-2-002		M90	\$9,533.82
30	98	40	24	12	3RW5535-2HA14	3244B-0304TP00-24H-2-000		M90	\$10,476.53
40	105	40	24	12	3RW5536-2HA14	3244B-0404TP00-24H-2-000		M90	\$11,450.00
	122	60	36	12	3RW5543-2HA14	3244B-0404TP00-24H-2-002		M90	\$14,270.66
50	140	60	36	12	3RW5544-2HA14	3244B-0504TP00-24H-2-000		M90	\$15,785.08
	159	60	36	12	3RW5545-2HA14	3244B-0604TP00-24H-2-000		M90	\$17,976.42
60	174	60	36	12	3RW5546-2HA14	3244B-0604TP00-24H-2-002		M90	\$19,944.44
	190	60	36	12	3RW5547-2HA14	3244B-0604TP00-24H-2-003		M90	\$22,940.98
75	200	60	36	12	3RW5548-2HA14	3244B-0754TP00-24H-2-002		M90	\$27,068.32
125	340	60	48	12	3RW5552-6HA14	3244B-1254TP00-24H-2-000		M90	\$29,528.19
	360	60	48	12	3RW5553-6HA14	3244B-1504TP00-24H-2-000		M90	\$33,393.95
150	380	60	48	12	3RW5554-6HA14	3244B-1504TP00-24H-2-002		M90	\$35,253.67
	670	60	48	12	3RW5556-6HA14	3244B-2504TP00-24H-2-000		M90	\$39,307.51
300	720	60	48	12	3RW5558-6HA14	3244B-3004TP00-24H-2-000		M90	\$41,168.80

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0033RP00-32B-2-000	M90	\$7,173.23	
	15.9	36	24	10	3RW5514-1HA14	3044B-0033RP00-32B-2-002	M90	\$7,390.60	
5	22.3	36	24	10	3RW5515-1HA14	3044B-0053RP00-32B-2-000	M90	\$7,614.65	
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P53RP00-32B-2-000	M90	\$7,858.53	
10	33.5	36	24	10	3RW5517-1HA14	3044B-0103RP00-32B-2-000	M90	\$8,163.25	
15	41.6	40	24	12	3RW5524-1HA14	3044B-0153RP00-32B-2-000	M90	\$8,640.35	
	55.5	40	24	12	3RW5525-1HA14	3044B-0203RP00-32B-2-000	M90	\$9,035.45	
20	68	40	24	12	3RW5526-1HA14	3044B-0203RP00-32B-2-002	M90	\$9,398.19	
	82.5	40	24	12	3RW5527-1HA14	3044B-0253RP00-32B-2-000	M90	\$9,970.79	
30	101	40	24	12	3RW5534-2HA14	3044B-0303RP00-32B-2-000	M90	\$10,471.37	
40	128	40	24	12	3RW5535-2HA14	3044B-0403RP00-32B-2-000	M90	\$11,425.63	
50	153	40	24	12	3RW5536-2HA14	3044B-0503RP00-32B-2-000	M90	\$12,487.80	
60	186	60	36	12	3RW5543-2HA14	3044B-0603RP00-32B-2-000	M90	\$15,268.25	
75	220	60	36	12	3RW5544-2HA14	3044B-0753RP00-32B-2-000	M90	\$17,089.32	
100	279	60	36	12	3RW5545-2HA14	3044B-1003RP00-32B-2-000	M90	\$19,341.89	
125	328	60	36	12	3RW5546-2HA14	3044B-1253RP00-32B-2-000	M90	\$23,670.99	
150	416	60	36	12	3RW5547-2HA14	3044B-1503RP00-32B-2-000	M90	\$25,913.43	
200	504	60	48	12	3RW5548-2HA14	3044B-2003RP00-32B-2-000	M90	\$30,248.11	
	561	60	48	12	3RW5552-6HA14	3044B-2003RP00-32B-2-002	M90	\$32,117.66	
250	641	60	48	12	3RW5553-6HA14	3044B-2503RP00-32B-2-000	M90	\$33,883.53	
300	748	60	48	12	3RW5554-6HA14	3044B-3003RP00-32B-2-000	M90	\$35,669.43	
400	979	60	48	12	3RW5556-6HA14	3044B-4003RP00-32B-2-000	M90	\$39,370.31	
450	1139	60	48	12	3RW5558-6HA14	3044B-4503RP00-32B-2-000	M90	\$47,919.46	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P53RP00-32B-4-000	M90	\$7,173.23	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0103RP00-32B-4-000	M90	\$7,390.60	
15	22.3	36	24	10	3RW5515-1HA14	3044B-0153RP00-32B-4-000	M90	\$7,614.65	
15	28.4	36	24	10	3RW5516-1HA14	3044B-0153RP00-32B-4-002	M90	\$7,858.53	
20	33.5	36	24	10	3RW5517-1HA14	3044B-0203RP00-32B-4-000	M90	\$8,163.25	
30	41.6	40	24	12	3RW5524-1HA14	3044B-0303RP00-32B-4-000	M90	\$8,640.35	
40	55.5	40	24	12	3RW5525-1HA14	3044B-0403RP00-32B-4-000	M90	\$9,035.45	
50	68	40	24	12	3RW5526-1HA14	3044B-0503RP00-32B-4-000	M90	\$9,398.19	
60	82.5	40	24	12	3RW5527-1HA14	3044B-0603RP00-32B-4-000	M90	\$9,970.79	
75	101	40	24	12	3RW5534-2HA14	3044B-0753RP00-32B-4-000	M90	\$10,471.37	
	128	40	24	12	3RW5535-2HA14	3044B-0753RP00-32B-4-002	M90	\$11,425.63	
100	153	40	24	12	3RW5536-2HA14	3044B-1003RP00-32B-4-000	M90	\$12,487.80	
150	186	60	36	12	3RW5543-2HA14	3044B-1503RP00-32B-4-000	M90	\$15,268.25	
	220	60	36	12	3RW5544-2HA14	3044B-1503RP00-32B-4-002	M90	\$17,089.32	
200	279	60	36	12	3RW5545-2HA14	3044B-2003RP00-32B-4-000	M90	\$19,341.89	
250	328	60	36	12	3RW5546-2HA14	3044B-2503RP00-32B-4-000	M90	\$23,670.99	
300	416	60	36	12	3RW5547-2HA14	3044B-3003RP00-32B-4-000	M90	\$25,913.43	
400	504	60	48	12	3RW5548-2HA14	3044B-4003RP00-32B-4-000	M90	\$30,248.11	
450	561	60	48	12	3RW5552-6HA14	3044B-4503RP00-32B-4-000	M90	\$32,117.66	
500	641	60	48	12	3RW5553-6HA14	3044B-5003RP00-32B-4-000	M90	\$33,883.53	
600	748	60	48	12	3RW5554-6HA14	3044B-6003RP00-32B-4-000	M90	\$35,669.43	
850	979	60	48	12	3RW5556-6HA14	3044B-8503RP00-32B-4-000	M90	\$39,370.31	
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K03RP00-32B-4-000	M90	\$47,919.46	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0033RP00-32B-2-000	M90	\$7,469.65	
5	15.9	36	24	10	3RW5514-1HA14	3144B-0053RP00-32B-2-000	M90	\$7,696.01	
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P53RP00-32B-2-000	M90	\$7,929.32	
	27.2	36	24	10	3RW5516-1HA14	3144B-7P53RP00-32B-2-002	M90	\$8,183.26	
10	30.5	36	24	10	3RW5517-1HA14	3144B-0103RP00-32B-2-000	M90	\$8,500.57	
15	41.6	40	24	12	3RW5524-1HA14	3144B-0153RP00-32B-2-000	M90	\$8,997.39	
20	55.5	40	24	12	3RW5525-1HA14	3144B-0203RP00-32B-2-000	M90	\$9,408.80	
25	68	40	24	12	3RW5526-1HA14	3144B-0253RP00-32B-2-000	M90	\$9,786.56	
30	82.5	40	24	12	3RW5527-1HA14	3144B-0303RP00-32B-2-000	M90	\$10,382.80	
	97	40	24	12	3RW5534-2HA14	3144B-0303RP00-32B-2-002	M90	\$10,904.06	
40	113	40	24	12	3RW5535-2HA14	3144B-0403RP00-32B-2-000	M90	\$11,897.76	
	126	40	24	12	3RW5536-2HA14	3144B-0403RP00-32B-2-002	M90	\$13,003.81	
50	146	60	36	12	3RW5543-2HA14	3144B-0503RP00-32B-2-000	M90	\$15,899.18	
60	180	60	36	12	3RW5544-2HA14	3144B-0603RP00-32B-2-000	M90	\$17,795.46	
75	207	60	36	12	3RW5545-2HA14	3144B-0753RP00-32B-2-000	M90	\$20,141.16	
	230	60	36	12	3RW5546-2HA14	3144B-0753RP00-32B-2-002	M90	\$24,649.13	
100	254	60	36	12	3RW5547-2HA14	3144B-1003RP00-32B-2-000	M90	\$26,984.23	
	262	60	36	12	3RW5548-2HA14	3144B-1003RP00-32B-2-002	M90	\$31,498.03	
150	450	60	48	12	3RW5552-6HA14	3144B-1503RP00-32B-2-000	M90	\$33,444.84	
	470	60	48	12	3RW5553-6HA14	3144B-1503RP00-32B-2-002	M90	\$35,283.66	
200	520	60	48	12	3RW5554-6HA14	3144B-2003RP00-32B-2-000	M90	\$37,143.38	
350	840	60	48	12	3RW5556-6HA14	3144B-3503RP00-32B-2-000	M90	\$40,997.18	
400	900	60	48	12	3RW5558-6HA14	3144B-4003RP00-32B-2-000	M90	\$49,899.58	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/ DISCONNECT

ACROSS THE LINE STARTER

PART WIND STARTER

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P53RP00-32B-4-000		M90	\$7,469.65
10	15.9	36	24	10	3RW5514-1HA14	3144B-0103RP00-32B-4-000		M90	\$7,696.01
15	22.3	36	24	10	3RW5515-1HA14	3144B-0153RP00-32B-4-000		M90	\$7,929.32
	27.2	36	24	10	3RW5516-1HA14	3144B-0203RP00-32B-4-000		M90	\$8,183.26
20	30.5	36	24	10	3RW5517-1HA14	3144B-0203RP00-32B-4-002		M90	\$8,500.57
	41.6	40	24	12	3RW5524-1HA14	3144B-0303RP00-32B-4-000		M90	\$8,997.39
40	55.5	40	24	12	3RW5525-1HA14	3144B-0403RP00-32B-4-000		M90	\$9,408.80
50	68	40	24	12	3RW5526-1HA14	3144B-0503RP00-32B-4-000		M90	\$9,786.56
60	82.5	40	24	12	3RW5527-1HA14	3144B-0603RP00-32B-4-000		M90	\$10,382.80
75	97	40	24	12	3RW5534-2HA14	3144B-0753RP00-32B-4-000		M90	\$10,904.06
	113	40	24	12	3RW5535-2HA14	3144B-0753RP00-32B-4-002		M90	\$11,897.76
100	126	40	24	12	3RW5536-2HA14	3144B-1003RP00-32B-4-000		M90	\$13,003.81
	146	60	36	12	3RW5543-2HA14	3144B-1003RP00-32B-4-002		M90	\$15,899.18
125	180	60	36	12	3RW5544-2HA14	3144B-1253RP00-32B-4-000		M90	\$17,795.46
150	207	60	36	12	3RW5545-2HA14	3144B-1503RP00-32B-4-000		M90	\$20,141.16
	230	60	36	12	3RW5546-2HA14	3144B-1503RP00-32B-4-002		M90	\$24,649.13
200	254	60	36	12	3RW5547-2HA14	3144B-2003RP00-32B-4-000		M90	\$26,984.23
	262	60	36	12	3RW5548-2HA14	3144B-2003RP00-32B-4-002		M90	\$31,498.03
350	450	60	48	12	3RW5552-6HA14	3144B-3503RP00-32B-4-000		M90	\$33,444.84
	470	60	48	12	3RW5553-6HA14	3144B-3503RP00-32B-4-002		M90	\$35,283.66
450	520	60	48	12	3RW5554-6HA14	3144B-4503RP00-32B-4-000		M90	\$37,143.38
700	840	60	48	12	3RW5556-6HA14	3144B-7003RP00-32B-4-000		M90	\$40,997.18
750	900	60	48	12	3RW5558-6HA14	3144B-7503RP00-32B-4-000		M90	\$49,899.58

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3344B-0033RP00-32B-2-000		M90	\$7,469.65
5	15.9	36	24	10	3RW5514-1HA14	3344B-0053RP00-32B-2-000		M90	\$7,696.01
7.5	22.3	36	24	10	3RW5515-1HA14	3344B-7P53RP00-32B-2-000		M90	\$7,929.32
10	23.6	36	24	10	3RW5516-1HA14	3344B-0103RP00-32B-2-000		M90	\$8,183.26
	26.0	36	24	10	3RW5517-1HA14	3344B-0103RP00-32B-2-002		M90	\$8,500.57
15	38.0	40	24	12	3RW5524-1HA14	3344B-0103RP00-32B-2-003		M90	\$8,997.39
	48.0	40	24	12	3RW5525-1HA14	3344B-0153RP00-32B-2-000		M90	\$9,399.39
20	62	40	24	12	3RW5526-1HA14	3344B-0203RP00-32B-2-000		M90	\$9,789.57
25	75.5	40	24	12	3RW5527-1HA14	3344B-0253RP00-32B-2-000		M90	\$10,188.83
	81	40	24	12	3RW5534-2HA14	3344B-0253RP00-32B-2-002		M90	\$10,955.06
30	98	40	24	12	3RW5535-2HA14	3344B-0303RP00-32B-2-000		M90	\$11,897.76
40	105	40	24	12	3RW5536-2HA14	3344B-0403RP00-32B-2-000		M90	\$12,871.20
	122	60	36	12	3RW5543-2HA14	3344B-0403RP00-32B-2-002		M90	\$15,766.56
50	140	60	36	12	3RW5544-2HA14	3344B-0503RP00-32B-2-000		M90	\$17,281.01
	159	60	36	12	3RW5545-2HA14	3344B-0603RP00-32B-2-000		M90	\$19,472.33
60	174	60	36	12	3RW5546-2HA14	3344B-0603RP00-32B-2-002		M90	\$21,440.35
	190	60	36	12	3RW5547-2HA14	3344B-0603RP00-32B-2-003		M90	\$24,436.89
75	200	60	36	12	3RW5548-2HA14	3344B-0753RP00-32B-2-002		M90	\$28,758.00
125	340	60	48	12	3RW5552-6HA14	3344B-1253RP00-32B-2-000		M90	\$31,217.87
150	360	60	48	12	3RW5553-6HA14	3344B-1503RP00-32B-2-000		M90	\$35,083.62
	380	60	48	12	3RW5554-6HA14	3344B-1503RP00-32B-2-002		M90	\$36,943.33
250	670	60	48	12	3RW5556-6HA14	3344B-2503RP00-32B-2-000		M90	\$40,997.18
300	720	60	48	12	3RW5558-6HA14	3344B-3003RP00-32B-2-000		M90	\$45,017.81

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3344B-7P53RP00-32B-4-000		M90	\$7,469.65
10	15.9	36	24	10	3RW5514-1HA14	3344B-0103RP00-32B-4-000		M90	\$7,696.01
15	22.3	36	24	10	3RW5515-1HA14	3344B-0153RP00-32B-4-000		M90	\$7,929.32
	23.6	36	24	10	3RW5516-1HA14	3344B-0153RP00-32B-4-002		M90	\$8,183.26
	26.0	36	24	10	3RW5517-1HA14	3344B-0153RP00-32B-4-003		M90	\$8,500.57
25	38.0	40	24	12	3RW5524-1HA14	3344B-0253RP00-32B-4-000		M90	\$8,997.39
30	48.0	40	24	12	3RW5525-1HA14	3344B-0303RP00-32B-4-000		M90	\$9,399.39
40	62	40	24	12	3RW5526-1HA14	3344B-0403RP00-32B-4-000		M90	\$9,789.57
50	75.5	40	24	12	3RW5527-1HA14	3344B-0503RP00-32B-4-000		M90	\$10,188.83
60	81	40	24	12	3RW5534-2HA14	3344B-0603RP00-32B-4-000		M90	\$10,955.06
	98	40	24	12	3RW5535-2HA14	3344B-0753RP00-32B-4-000		M90	\$11,897.76
	105	40	24	12	3RW5536-2HA14	3344B-0753RP00-32B-4-002		M90	\$12,871.20
75	122	60	36	12	3RW5543-2HA14	3344B-0753RP00-32B-4-003		M90	\$15,766.56
	140	60	36	12	3RW5544-2HA14	3344B-1003RP00-32B-4-000		M90	\$17,281.01
	159	60	36	12	3RW5545-2HA14	3344B-1253RP00-32B-4-000		M90	\$19,472.33
125	174	60	36	12	3RW5546-2HA14	3344B-1253RP00-32B-4-002		M90	\$21,440.35
	190	60	36	12	3RW5547-2HA14	3344B-1503RP00-32B-4-000		M90	\$24,436.89
	200	60	36	12	3RW5548-2HA14	3344B-1503RP00-32B-4-002		M90	\$28,758.00
250	340	60	48	12	3RW5552-6HA14	3344B-2503RP00-32B-4-000		M90	\$31,217.87
300	360	60	48	12	3RW5553-6HA14	3344B-3003RP00-32B-4-000		M90	\$35,083.62
	380	60	48	12	3RW5554-6HA14	3344B-3003RP00-32B-4-002		M90	\$36,943.33
	600	670	60	48	12	3RW5556-6HA14	3344B-6003RP00-32B-4-000		M90
650	720	60	48	12	3RW5558-6HA14	3344B-6503RP00-32B-4-000		M90	\$45,017.81

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034TP00-32B-2-000	M90	\$6,735.15	
	15.9	36	24	10	3RW5514-1HA14	3044B-0034TP00-32B-2-002	M90	\$6,952.52	
5	22.3	36	24	10	3RW5515-1HA14	3044B-0054TP00-32B-2-000	M90	\$7,176.58	
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P54TP00-32B-2-002	M90	\$7,420.44	
10	33.5	36	24	10	3RW5517-1HA14	3044B-0104TP00-32B-2-000	M90	\$7,725.17	
15	41.6	40	24	12	3RW5524-1HA14	3044B-0154TP00-32B-2-000	M90	\$8,192.80	
20	55.5	40	24	12	3RW5525-1HA14	3044B-0204TP00-32B-2-000	M90	\$8,587.91	
	68	40	24	12	3RW5526-1HA14	3044B-0204TP00-32B-2-002	M90	\$8,950.67	
25	82.5	40	24	12	3RW5527-1HA14	3044B-0254TP00-32B-2-000	M90	\$9,523.26	
30	101	40	24	12	3RW5534-2HA14	3044B-0304TP00-32B-2-000	M90	\$10,023.84	
40	128	40	24	12	3RW5535-2HA14	3044B-0404TP00-32B-2-000	M90	\$10,978.09	
50	153	40	24	12	3RW5536-2HA14	3044B-0504TP00-32B-2-000	M90	\$12,040.27	
60	186	60	36	12	3RW5543-2HA14	3044B-0604TP00-32B-2-000	M90	\$14,748.99	
75	220	60	36	12	3RW5544-2HA14	3044B-0754TP00-32B-2-000	M90	\$16,906.26	
100	279	60	36	12	3RW5545-2HA14	3044B-1004TP00-32B-2-000	M90	\$18,822.65	
125	328	60	36	12	3RW5546-2HA14	3044B-1254TP00-32B-2-000	M90	\$23,151.73	
150	416	60	36	12	3RW5547-2HA14	3044B-1504TP00-32B-2-000	M90	\$25,394.17	
200	504	60	36	12	3RW5548-2HA14	3044B-2004TP00-32B-2-000	M90	\$27,469.12	
	561	60	48	12	3RW5552-6HA14	3044B-2004TP00-32B-2-002	M90	\$31,412.34	
250	641	60	48	12	3RW5553-6HA14	3044B-2504TP00-32B-2-000	M90	\$33,178.19	
300	748	60	48	12	3RW5554-6HA14	3044B-3004TP00-32B-2-000	M90	\$34,964.11	
400	979	60	48	12	3RW5556-6HA14	3044B-4004TP00-32B-2-000	M90	\$38,664.98	
450	1139	60	48	12	3RW5558-6HA14	3044B-4504TP00-32B-2-000	M90	\$47,214.13	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54TP00-32B-4-000	M90	\$6,735.15	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104TP00-32B-4-000	M90	\$6,952.52	
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154TP00-32B-4-000	M90	\$7,176.58	
15	28.4	36	24	10	3RW5516-1HA14	3044B-0154TP00-32B-4-002	M90	\$7,420.44	
20	33.5	36	24	10	3RW5517-1HA14	3044B-0204TP00-32B-4-000	M90	\$7,725.17	
30	41.6	40	24	12	3RW5524-1HA14	3044B-0304TP00-32B-4-000	M90	\$8,192.80	
40	55.5	40	24	12	3RW5525-1HA14	3044B-0404TP00-32B-4-000	M90	\$8,587.91	
50	68	40	24	12	3RW5526-1HA14	3044B-0504TP00-32B-4-000	M90	\$8,950.67	
60	82.5	40	24	12	3RW5527-1HA14	3044B-0604TP00-32B-4-000	M90	\$9,523.26	
75	101	40	24	12	3RW5534-2HA14	3044B-0754TP00-32B-4-000	M90	\$10,023.84	
	128	40	24	12	3RW5535-2HA14	3044B-0754TP00-32B-4-002	M90	\$10,978.09	
100	153	40	24	12	3RW5536-2HA14	3044B-1004TP00-32B-4-000	M90	\$12,040.27	
150	186	60	36	12	3RW5543-2HA14	3044B-1504TP00-32B-4-000	M90	\$14,748.99	
	220	60	36	12	3RW5544-2HA14	3044B-1504TP00-32B-4-002	M90	\$16,570.04	
200	279	60	36	12	3RW5545-2HA14	3044B-2004TP00-32B-4-000	M90	\$18,822.65	
250	328	60	36	12	3RW5546-2HA14	3044B-2504TP00-32B-4-000	M90	\$23,151.73	
300	416	60	36	12	3RW5547-2HA14	3044B-3004TP00-32B-4-000	M90	\$25,394.17	
400	504	60	36	12	3RW5548-2HA14	3044B-4004TP00-32B-4-000	M90	\$29,542.77	
450	561	60	48	12	3RW5552-6HA14	3044B-4504TP00-32B-4-000	M90	\$31,412.34	
500	641	60	48	12	3RW5553-6HA14	3044B-5004TP00-32B-4-000	M90	\$33,178.19	
600	748	60	48	12	3RW5554-6HA14	3044B-6004TP00-32B-4-000	M90	\$34,964.11	
850	979	60	48	12	3RW5556-6HA14	3044B-8504TP00-32B-4-000	M90	\$38,664.98	
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04TP00-32B-4-000	M90	\$47,214.13	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034TP00-32B-2-000	M90	\$7,013.46	
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054TP00-32B-2-000	M90	\$7,239.82	
	22.3	36	24	10	3RW5515-1HA14	3144B-7P54TP00-32B-2-000	M90	\$7,473.11	
7.5	27.2	36	24	10	3RW5516-1HA14	3144B-7P54TP00-32B-2-002	M90	\$7,727.09	
	30.5	36	24	10	3RW5517-1HA14	3144B-0104TP00-32B-2-000	M90	\$8,044.41	
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154TP00-32B-2-000	M90	\$8,531.34	
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204TP00-32B-2-000	M90	\$8,942.78	
25	68	40	24	12	3RW5526-1HA14	3144B-0254TP00-32B-2-000	M90	\$9,320.51	
30	82.5	40	24	12	3RW5527-1HA14	3144B-0304TP00-32B-2-000	M90	\$9,916.78	
	97	40	24	12	3RW5534-2HA14	3144B-0304TP00-32B-2-002	M90	\$10,438.05	
40	113	40	24	12	3RW5535-2HA14	3144B-0404TP00-32B-2-000	M90	\$11,431.74	
	126	40	24	12	3RW5536-2HA14	3144B-0404TP00-32B-2-002	M90	\$12,537.80	
50	146	60	36	12	3RW5543-2HA14	3144B-0504TP00-32B-2-000	M90	\$15,358.47	
60	180	60	36	12	3RW5544-2HA14	3144B-0604TP00-32B-2-000	M90	\$17,604.86	
75	207	60	36	12	3RW5545-2HA14	3144B-0754TP00-32B-2-000	M90	\$18,931.63	
	230	60	36	12	3RW5546-2HA14	3144B-0754TP00-32B-2-002	M90	\$21,568.44	
100	254	60	36	12	3RW5547-2HA14	3144B-1004TP00-32B-2-000	M90	\$26,443.52	
	262	60	36	12	3RW5548-2HA14	3144B-1004TP00-32B-2-002	M90	\$28,023.51	
150	450	60	48	12	3RW5552-6HA14	3144B-1504TP00-32B-2-000	M90	\$32,710.35	
	470	60	48	12	3RW5553-6HA14	3144B-1504TP00-32B-2-002	M90	\$34,549.20	
200	520	60	48	12	3RW5554-6HA14	3144B-2004TP00-32B-2-000	M90	\$36,408.90	
350	840	60	48	12	3RW5556-6HA14	3144B-3504TP00-32B-2-000	M90	\$40,262.71	
400	900	60	48	12	3RW5558-6HA14	3144B-4004TP00-32B-2-000	M90	\$42,379.58	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 44-48 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54TP00-32B-4-000	M90	\$7,347.44	
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104TP00-32B-4-000	M90	\$7,573.79	
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154TP00-32B-4-000	M90	\$7,807.09	
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204TP00-32B-4-000	M90	\$8,061.05	
	30.5	36	24	10	3RW5517-1HA14	3144B-0204TP00-32B-4-002	M90	\$8,378.36	
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304TP00-32B-4-000	M90	\$8,865.31	
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404TP00-32B-4-000	M90	\$9,276.74	
50	68	40	24	12	3RW5526-1HA14	3144B-0504TP00-32B-4-000	M90	\$9,654.49	
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604TP00-32B-4-000	M90	\$10,250.74	
	97	40	24	12	3RW5534-2HA14	3144B-0754TP00-32B-4-000	M90	\$10,772.00	
75	113	40	24	12	3RW5535-2HA14	3144B-0754TP00-32B-4-002	M90	\$11,765.70	
	129	40	24	12	3RW5536-2HA14	3144B-1004TP00-32B-4-000	M90	\$12,871.76	
100	146	60	36	12	3RW5543-2HA14	3144B-1004TP00-32B-4-002	M90	\$15,692.43	
	180	60	36	12	3RW5544-2HA14	3144B-1504TP00-32B-4-000	M90	\$17,938.82	
150	207	60	36	12	3RW5545-2HA14	3144B-1504TP00-32B-4-002	M90	\$19,265.60	
	230	60	36	12	3RW5546-2HA14	3144B-1504TP00-32B-4-003	M90	\$21,902.40	
200	254	60	36	12	3RW5547-2HA14	3144B-2004TP00-32B-4-000	M90	\$26,777.48	
	262	60	36	12	3RW5548-2HA14	3144B-2004TP00-32B-4-002	M90	\$28,357.49	
350	450	60	48	12	3RW5552-6HA14	3144B-3504TP00-32B-4-000	M90	\$33,044.31	
	470	60	48	12	3RW5553-6HA14	3144B-3504TP00-32B-4-002	M90	\$34,883.16	
450	520	60	48	12	3RW5554-6HA14	3144B-4504TP00-32B-4-000	M90	\$36,742.87	
700	840	60	48	12	3RW5556-6HA14	3144B-7004TP00-32B-4-000	M90	\$40,596.66	
750	900	60	48	12	3RW5558-6HA14	3144B-7504TP00-32B-4-000	M90	\$42,713.53	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034TP00-32B-2-000	M90	\$7,013.46	
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054TP00-32B-2-000	M90	\$7,239.82	
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54TP00-32B-2-000	M90	\$7,473.11	
	23.6	36	24	10	3RW5516-1HA14	3244B-0104TP00-32B-2-000	M90	\$7,727.09	
10	26.0	36	24	10	3RW5517-1HA14	3244B-0104TP00-32B-2-002	M90	\$8,044.41	
	38.0	40	24	12	3RW5524-1HA14	3244B-0104TP00-32B-2-003	M90	\$8,536.50	
15	48.0	40	24	12	3RW5525-1HA14	3244B-0154TP00-32B-2-000	M90	\$8,933.36	
20	62	40	24	12	3RW5526-1HA14	3244B-0204TP00-32B-2-000	M90	\$9,323.54	
25	75.5	40	24	12	3RW5527-1HA14	3244B-0254TP00-32B-2-000	M90	\$9,722.82	
	81	40	24	12	3RW5534-2HA14	3244B-0254TP00-32B-2-002	M90	\$10,489.03	
30	98	40	24	12	3RW5535-2HA14	3244B-0304TP00-32B-2-000	M90	\$11,431.74	
40	105	40	24	12	3RW5536-2HA14	3244B-0404TP00-32B-2-000	M90	\$12,405.18	
	122	60	36	12	3RW5543-2HA14	3244B-0404TP00-32B-2-002	M90	\$15,225.85	
50	140	60	36	12	3RW5544-2HA14	3244B-0504TP00-32B-2-000	M90	\$16,740.27	
	159	60	36	12	3RW5545-2HA14	3244B-0604TP00-32B-2-000	M90	\$18,931.63	
60	174	60	36	12	3RW5546-2HA14	3244B-0604TP00-32B-2-002	M90	\$20,899.64	
	190	60	36	12	3RW5547-2HA14	3244B-0604TP00-32B-2-003	M90	\$23,896.16	
75	200	60	36	12	3RW5548-2HA14	3244B-0754TP00-32B-2-000	M90	\$28,023.51	
125	340	60	48	12	3RW5552-6HA14	3244B-1254TP00-32B-2-000	M90	\$30,483.38	
150	360	60	48	12	3RW5553-6HA14	3244B-1504TP00-32B-2-000	M90	\$34,349.15	
	380	60	48	12	3RW5554-6HA14	3244B-1504TP00-32B-2-002	M90	\$36,208.85	
250	670	60	48	12	3RW5556-6HA14	3244B-2504TP00-32B-2-000	M90	\$40,262.71	
300	720	60	48	12	3RW5558-6HA14	3244B-3004TP00-32B-2-000	M90	\$42,123.99	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

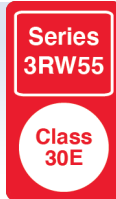
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 32-34 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54TP00-32B-4-000		M90	\$7,347.44
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104TP00-32B-4-000		M90	\$7,573.79
	22.3	36	24	10	3RW5515-1HA14	3244B-0154TP00-32B-4-000		M90	\$7,807.09
15	23.6	36	24	10	3RW5516-1HA14	3244B-0154TP00-32B-4-002		M90	\$8,061.05
	26.0	36	24	10	3RW5517-1HA14	3244B-0154TP00-32B-4-003		M90	\$8,378.36
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254TP00-32B-4-000		M90	\$8,865.31
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304TP00-32B-4-000		M90	\$9,276.74
40	62	40	24	12	3RW5526-1HA14	3244B-0404TP00-32B-4-000		M90	\$9,654.49
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504TP00-32B-4-000		M90	\$10,250.74
60	81	40	24	12	3RW5534-2HA14	3244B-0604TP00-32B-4-000		M90	\$10,772.00
	98	40	24	12	3RW5535-2HA14	3244B-0754TP00-32B-4-000		M90	\$11,765.70
75	105	40	24	12	3RW5536-2HA14	3244B-0754TP00-32B-4-002		M90	\$12,871.76
	122	60	36	12	3RW5543-2HA14	3244B-0754TP00-32B-4-003		M90	\$15,692.43
100	140	60	36	12	3RW5544-2HA14	3244B-1004TP00-32B-4-000		M90	\$17,938.82
125	159	60	36	12	3RW5545-2HA14	3244B-1254TP00-32B-4-000		M90	\$19,265.60
	174	60	36	12	3RW5546-2HA14	3244B-1254TP00-32B-4-002		M90	\$21,902.40
150	190	60	36	12	3RW5547-2HA14	3244B-1504TP00-32B-4-000		M90	\$26,777.48
	200	60	36	12	3RW5548-2HA14	3244B-1504TP00-32B-4-002		M90	\$28,357.49
250	340	60	48	12	3RW5552-6HA14	3244B-2504TP00-32B-4-000		M90	\$33,044.31
300	360	60	48	12	3RW5553-6HA14	3244B-3004TP00-32B-4-000		M90	\$34,883.16
	380	60	48	12	3RW5554-6HA14	3244B-3004TP00-32B-4-002		M90	\$34,883.16
600	670	60	48	12	3RW5556-6HA14	3244B-6004TP00-32B-4-000		M90	\$40,596.66
650	720	60	48	12	3RW5558-6HA14	3244B-6504TP00-32B-4-000		M90	\$42,713.53

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40

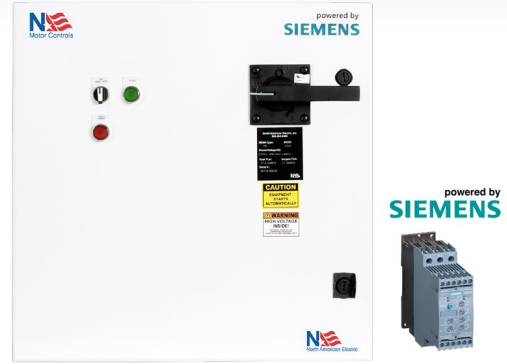


Soft Starter - Economy Package

Irrigation Pump Panel

NEMA 3R / Siemens 3RW40 Soft Starter

Irrigation Pump Applications



(See pp. 35-37 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 75 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Normal Starting (Class 10) - Please see Starting Class Details on pp 35-37

- Isolation contactor
- Illuminated fault / Reset pushbutton
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP
- 120V Transformer

Warranty

- Two (2) year warranty or OPTIONAL three (3) year warranty with “Lightning & Surge” protection

Applications

- Specifically designed for use on Irrigation Pump applications.

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0153RP00-24H-2-000	M90	\$4,936.98	
20	58	24	24	12	3RW4037-1BB14	3041B-0203RP00-24H-2-000	M90	\$5,206.13	
25	73	24	24	12	3RW4046-1BB14	3041B-0253RP00-24H-2-000	M90	\$5,706.21	
30	98	24	24	12	3RW4047-1BB14	3041B-0303RP00-24H-2-000	M90	\$6,020.71	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0253RP00-24H-4-000	M90	\$4,697.57	
30	42	24	24	12	3RW4036-1BB14	3041B-0303RP00-24H-4-000	M90	\$4,936.98	
40	58	24	24	12	3RW4037-1BB14	3041B-0403RP00-24H-4-000	M90	\$5,206.13	
50	73	24	24	12	3RW4046-1BB14	3041B-0503RP00-24H-4-000	M90	\$5,706.21	
60	98	24	24	12	3RW4047-1BB14	3041B-0603RP00-24H-4-000	M90	\$6,020.71	
75	98	24	24	12	3RW4047-1BB14	3041B-0753RP00-24H-4-000	M90	\$6,020.71	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



(See pp. 35-37 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW40 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 75 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Normal Starting (Class 10) - Please see Starting Class Details on pp 35-37
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0154XP00-24H-2-000	M95	\$6,940.22	
20	58	24	24	12	3RW4037-1BB14	3041B-0204XP00-24H-2-000	M95	\$7,236.62	
25	73	24	24	12	3RW4046-1BB14	3041B-0254XP00-24H-2-000	M95	\$8,036.86	
30	98	24	24	12	3RW4047-1BB14	3041B-0304XP00-24H-2-000	M95	\$8,376.94	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0254XP00-24H-4-000	M95	\$6,676.57	
30	42	24	24	12	3RW4036-1BB14	3041B-0304XP00-24H-4-000	M95	\$6,940.22	
40	58	24	24	12	3RW4037-1BB14	3041B-0404XP00-24H-4-000	M95	\$7,236.62	
50	73	24	24	12	3RW4046-1BB14	3041B-0504XP00-24H-4-000	M95	\$8,036.86	
60	98	24	24	12	3RW4047-1BB14	3041B-0604XP00-24H-4-000	M95	\$8,376.94	
75	98	24	24	12	3RW4047-1BB14	3041B-0754XP00-24H-4-000	M95	\$8,376.94	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 15 HP - 40 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Series
3RW40

Class
20E



(See pp. 35-37 for Starting Class Details)



Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW40 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 40 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 35-37
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 240V: 15 HP - 20 HP
- 480V: 25 HP - 40 HP
- 120V Transformer

Warranty

- Two (2) year warranty or OPTIONAL three (3) year warranty with "Lightning & Surge" protection

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4037-1BB14	3141B-0154XP00-24H-2-000	M95	\$7,174.21	
20	58	24	24	12	3RW4047-1BB14	3141B-0204XP00-24H-2-000	M95	\$8,191.28	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4037-1BB14	3141B-0254XP00-24H-4-000	M95	\$7,236.62	
30	42	24	24	12	3RW4037-1BB14	3141B-0304XP00-24H-4-000	M95	\$7,236.62	
40	58	24	24	12	3RW4047-1BB14	3141B-0404XP00-24H-4-000	M95	\$8,236.54	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 40 HP - 400 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404XP00-24H-2-000		M95	\$11,398.75
50	153	40	24	12	3RW50566AB14	3045B-0504XP00-24H-2-000		M95	\$12,194.85
60	186	42	30	16	3RW50726AB14	3045B-0604XP00-24H-2-000		M95	\$13,942.26
75	220	42	30	16	3RW50736AB14	3045B-0754XP00-24H-2-000		M95	\$14,086.89
100	279	48	30	16	3RW50746AB14	3045B-1004XP00-24H-2-000		M95	\$15,520.96
125	328	48	30	16	3RW50756AB14	3045B-1254XP00-24H-2-000		M95	\$19,810.56
150	416	48	30	16	3RW50766AB14	3045B-1504XP00-24H-2-000		M95	\$21,523.55
200	504	48	30	16	3RW50776AB14	3045B-2004XP00-24H-2-000		M95	\$23,489.92

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	42	30	12	3RW50556AB14	3045B-1004XP00-24H-4-000		M95	\$10,920.29
	153	42	30	12	3RW50566AB14	3045B-1004XP00-24H-4-002		M95	\$11,716.38
150	186	42	36	12	3RW50726AB14	3045B-1504XP00-24H-4-000		M95	\$13,942.26
	220	42	36	12	3RW50736AB14	3045B-1504XP00-24H-4-002		M95	\$14,086.89
200	279	48	36	16	3RW50746AB14	3045B-2004XP00-24H-4-000		M95	\$15,520.92
250	328	48	36	16	3RW50756AB14	3045B-2504XP00-24H-4-000		M95	\$19,810.56
350	416	48	36	16	3RW50766AB14	3045B-3504XP00-24H-4-000		M95	\$21,523.55
400	504	48	30	16	3RW50776AB14	3045B-4004XP00-24H-4-000		M95	\$23,489.92

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 30 HP - 200 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)
- Soft stop capable

- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75HP - 200HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304XP00-24H-2-000		M95	\$10,790.62
40	123	40	24	12	3RW50566AB14	3145B-0404XP00-24H-2-000		M95	\$11,586.70
50	146	42	30	16	3RW50726AB14	3145B-0504XP00-24H-2-000		M95	\$13,228.17
60	180	42	30	16	3RW50736AB14	3145B-0604XP00-24H-2-000		M95	\$13,638.68
75	195	48	30	16	3RW50746AB14	3145B-0754XP00-24H-2-000		M95	\$15,474.37
	230	48	30	16	3RW50756AB14	3145B-0754XP00-24H-2-002		M95	\$17,647.80
100	254	48	30	16	3RW50766AB14	3145B-1004XP00-24H-2-000		M95	\$19,922.29
	262	48	30	16	3RW50776AB14	3145B-1004XP00-24H-2-002		M95	\$20,488.06

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754XP00-24H-4-000		M95	\$10,790.62
	123	40	24	12	3RW50566AB14	3145B-0754XP00-24H-4-002		M95	\$11,586.70
100	146	42	30	12	3RW50726AB14	3145B-1004XP00-24H-4-000		M95	\$13,228.17
125	180	42	30	12	3RW50736AB14	3145B-1254XP00-24H-4-000		M95	\$13,638.68
150	195	48	30	16	3RW50746AB14	3145B-1504XP00-24H-4-000		M95	\$12,802.58
	230	48	30	16	3RW50756AB14	3145B-1504XP00-24H-4-002		M95	\$17,647.80
200	254	48	30	16	3RW50766AB14	3145B-2004XP00-24H-4-000		M95	\$19,922.29
	262	48	30	16	3RW50776AB14	3145B-2004XP00-24H-4-002		M95	\$20,488.06

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

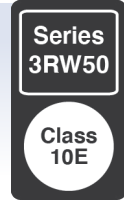
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 38-39 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 40 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 38-39
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP

- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404XP00-32B-2-000	M95	\$12,657.18	
50	153	40	24	12	3RW50566AB14	3045B-0504XP00-32B-2-000	M95	\$13,453.26	
60	186	42	30	16	3RW50726AB14	3045B-0604XP00-32B-2-000	M95	\$15,200.68	
75	220	42	30	16	3RW50736AB14	3045B-0754XP00-32B-2-000	M95	\$15,345.31	
100	279	48	30	16	3RW50746AB14	3045B-1004XP00-32B-2-000	M95	\$16,779.33	
125	328	48	30	16	3RW50756AB14	3045B-1254XP00-32B-2-000	M95	\$21,052.37	
150	416	48	30	16	3RW50766AB14	3045B-1504XP00-32B-2-000	M95	\$22,781.97	
200	504	48	30	16	3RW50776AB14	3045B-2004XP00-32B-2-000	M95	\$24,593.72	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	42	30	12	3RW50556AB14	3045B-1004XP00-32B-4-000	M95	\$12,657.18	
	153	42	30	12	3RW50566AB14	3045B-1004XP00-32B-4-002	M95	\$13,453.26	
150	186	42	36	12	3RW50726AB14	3045B-1504XP00-32B-4-000	M95	\$15,200.68	
	220	42	36	12	3RW50736AB14	3045B-1504XP00-32B-4-002	M95	\$15,345.31	
200	279	48	36	16	3RW50746AB14	3045B-2004XP00-32B-4-000	M95	\$16,779.33	
250	328	48	36	16	3RW50756AB14	3045B-2504XP00-32B-4-000	M95	\$21,052.37	
350	416	48	36	16	3RW50766AB14	3045B-3504XP00-32B-4-000	M95	\$22,781.97	
400	504	48	30	16	3RW50776AB14	3045B-4004XP00-32B-4-000	M95	\$24,593.72	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 207-210
 Enclosure Information on p. 200



HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Series 3RW50
Class 20E



(See pp. 38-39 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 30 HP - 200 HP ratings in stock
- Circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 38-39
- 20VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304XP00-32B-2-000		M95	\$12,074.23
40	123	40	24	12	3RW50566AB14	3145B-0404XP00-32B-2-000		M95	\$12,870.32
50	146	42	30	16	3RW50726AB14	3145B-0504XP00-32B-2-000		M95	\$14,511.79
60	180	42	30	16	3RW50736AB14	3145B-0604XP00-32B-2-000		M95	\$14,922.30
75	195	48	30	16	3RW50746AB14	3145B-0754XP00-32B-2-000		M95	\$16,758.01
	230	48	30	16	3RW50756AB14	3145B-0754XP00-32B-2-002		M95	\$18,931.41
100	254	48	30	16	3RW50766AB14	3145B-1004XP00-32B-2-000		M95	\$21,205.91
	262	48	30	16	3RW50776AB14	3145B-1004XP00-32B-2-002		M95	\$21,771.67

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754XP00-32B-4-000		M95	\$12,074.23
	123	40	24	12	3RW50566AB14	3145B-0754XP00-32B-4-002		M95	\$12,870.32
100	146	42	30	12	3RW50726AB14	3145B-1004XP00-32B-4-000		M95	\$14,511.79
125	180	42	30	12	3RW50736AB14	3145B-1254XP00-32B-4-000		M95	\$14,922.30
150	195	48	30	16	3RW50746AB14	3145B-1504XP00-32B-4-000		M95	\$16,758.01
	230	48	30	16	3RW50756AB14	3145B-1504XP00-32B-4-002		M95	\$18,931.41
200	254	48	30	16	3RW50766AB14	3145B-2004XP00-32B-4-000		M95	\$21,205.91
	262	48	30	16	3RW50776AB14	3145B-2004XP00-32B-4-002		M95	\$21,771.67

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034XP00-24H-2-000		M95	\$7,980.46
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054XP00-24H-2-000		M95	\$8,128.81
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54XP00-24H-2-000		M95	\$8,301.28
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104XP00-24H-2-000		M95	\$8,500.05
	33.5	36	24	10	3RW5217-1AC14	3043B-0104XP00-24H-2-002		M95	\$8,721.08
15	41.6	36	24	12	3RW5224-1AC14	3043B-0154XP00-24H-2-000		M95	\$10,336.79
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204XP00-24H-2-000		M95	\$10,626.29
25	68	40	24	12	3RW5226-1AC14	3043B-0254XP00-24H-2-000		M95	\$10,893.75
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304XP00-24H-2-000		M95	\$11,400.44
	101	40	24	12	3RW5234-6AC14	3043B-0304XP00-24H-2-002		M95	\$11,783.08
40	128	40	24	12	3RW5235-6AC14	3043B-0404XP00-24H-2-000		M95	\$12,636.60
50	153	40	24	12	3RW5236-6AC14	3043B-0504XP00-24H-2-000		M95	\$13,355.04
60	186	40	24	12	3RW5243-6AC14	3043B-0604XP00-24H-2-000		M95	\$17,636.57
75	220	60	36	12	3RW5244-6AC14	3043B-0754XP00-24H-2-000		M95	\$18,642.78
100	279	60	36	12	3RW5245-6AC14	3043B-1004XP00-24H-2-000		M95	\$20,740.19
125	328	60	36	12	3RW5246-6AC14	3043B-1254XP00-24H-2-000		M95	\$24,785.39
150	416	60	36	12	3RW5247-6AC14	3043B-1504XP00-24H-2-000		M95	\$26,518.10
200	504	60	36	12	3RW5248-6AC14	3043B-2004XP00-24H-2-000		M95	\$27,967.73

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three-Phase Motor Control

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54XP00-24H-4-000	M95	\$7,980.46	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104XP00-24H-4-000	M95	\$8,128.81	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154XP00-24H-4-000	M95	\$8,301.28	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204XP00-24H-4-000	M95	\$8,500.05	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204XP00-24H-4-002	M95	\$8,721.08	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304XP00-24H-4-000	M95	\$10,336.79	
40	55.5	42	30	12	3RW5225-1AC14	3043B-0404XP00-24H-4-000	M95	\$10,626.29	
50	68.0	42	30	12	3RW5226-1AC14	3043B-0504XP00-24H-4-000	M95	\$10,893.75	
60	82.5	42	30	12	3RW5227-1AC14	3043B-0604XP00-24H-4-000	M95	\$11,400.44	
75	101.0	42	30	12	3RW5234-6AC14	3043B-0754XP00-24H-4-000	M95	\$11,783.08	
100	128.0	42	30	12	3RW5235-6AC14	3043B-1004XP00-24H-4-000	M95	\$12,636.60	
	153.0	42	30	12	3RW5236-6AC14	3043B-1004XP00-24H-4-002	M95	\$13,355.04	
150	186.0	60	36	12	3RW5243-6AC14	3043B-1504XP00-24H-4-000	M95	\$17,636.57	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504XP00-24H-4-002	M95	\$18,642.78	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004XP00-24H-4-000	M95	\$20,740.19	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504XP00-24H-4-000	M95	\$24,785.39	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504XP00-24H-4-000	M95	\$26,518.10	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004XP00-24H-4-000	M95	\$27,967.73	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 100 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034XP00-24H-2-000		M95	\$8,109.19
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054XP00-24H-2-000		M95	\$8,259.92
	22.3	36	24	10	3RW5215-1AC14	3143B-7P54XP00-24H-2-000		M95	\$8,435.16
7.5	28.4	36	24	10	3RW5216-1AC14	3143B-7P54XP00-24H-2-002		M95	\$8,637.16
	33.5	36	24	10	3RW5217-1AC14	3143B-0104XP00-24H-2-000		M95	\$8,861.74
15	41.6	36	24	12	3RW5224-1AC14	3143B-0154XP00-24H-2-000		M95	\$10,503.52
	55.5	40	24	12	3RW5225-1AC14	3143B-0204XP00-24H-2-000		M95	\$10,797.69
20	59	40	24	12	3RW5226-1AC14	3143B-0204XP00-24H-2-002		M95	\$11,069.71
	82.5	40	24	12	3RW5227-1AC14	3143B-0304XP00-24H-2-000		M95	\$11,584.32
	97	40	24	12	3RW5234-6AC14	3143B-0304XP00-24H-2-002		M95	\$11,973.12
30	103	40	24	12	3RW5235-6AC14	3143B-0304XP00-24H-2-003		M95	\$12,840.43
	117	40	24	12	3RW5236-6AC14	3143B-0404XP00-24H-2-000		M95	\$13,570.44
40	146	40	24	12	3RW5243-6AC14	3143B-0504XP00-24H-2-000		M95	\$17,369.15
50	180	60	36	12	3RW5244-6AC14	3143B-0604XP00-24H-2-000		M95	\$18,943.45
	171	60	36	12	3RW5245-6AC14	3143B-0604XP00-24H-2-002		M95	\$19,860.50
60	230	60	36	12	3RW5246-6AC14	3143B-0754XP00-24H-2-000		M95	\$22,467.39
	236	60	36	12	3RW5247-6AC14	3143B-0754XP00-24H-2-002		M95	\$24,220.12
75	262	60	36	12	3RW5248-6AC14	3143B-1004XP00-24H-2-000		M95	\$25,907.23

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three-Phase Motor Control

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54XP00-24H-4-000	M95	\$8,109.19	
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104XP00-24H-4-000	M95	\$8,259.92	
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154XP00-24H-4-000	M95	\$8,435.16	
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204XP00-24H-4-000	M95	\$8,637.16	
	31.5	36	24	10	3RW5217-1AC14	3143B-0204XP00-24H-4-002	M95	\$8,861.74	
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304XP00-24H-4-000	M95	\$10,503.52	
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404XP00-24H-4-000	M95	\$10,797.69	
	59.0	40	24	12	3RW5226-1AC14	3143B-0404XP00-24H-4-002	M95	\$11,069.71	
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504XP00-24H-4-000	M95	\$11,584.32	
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604XP00-24H-4-000	M95	\$11,973.12	
75	97.0	40	24	12	3RW5234-6AC14	3143B-0754XP00-24H-4-000	M95	\$11,973.12	
	103.0	40	24	12	3RW5235-6AC14	3143B-0754XP00-24H-4-002	M95	\$12,698.53	
	117.0	40	24	12	3RW5236-6AC14	3143B-0754XP00-24H-4-003	M95	\$13,570.44	
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004XP00-24H-4-000	M95	\$17,369.15	
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254XP00-24H-4-000	M95	\$19,860.50	
150	180.0	60	36	12	3RW5244-6AC14	3143B-1504XP00-24H-4-000	M95	\$18,943.45	
	230.0	60	36	12	3RW5246-6AC14	3143B-1504XP00-24H-4-002	M95	\$22,467.39	
	236.0	60	36	12	3RW5247-6AC14	3143B-1504XP00-24H-4-003	M95	\$24,220.12	
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004XP00-24H-4-000	M95	\$25,907.23	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General
 Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034XP00-32B-2-000	M95	\$10,410.13	
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054XP00-32B-2-000	M95	\$10,558.49	
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54XP00-32B-2-000	M95	\$10,730.95	
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104XP00-32B-2-000	M95	\$10,929.72	
	33.5	36	24	10	3RW5217-1AC14	3043B-0104XP00-32B-2-002	M95	\$11,150.76	
15	41.6	36	24	12	3RW5224-1AC14	3043B-0154XP00-32B-2-000	M95	\$12,766.46	
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204XP00-32B-2-000	M95	\$13,055.96	
25	68	40	24	12	3RW5226-1AC14	3043B-0254XP00-32B-2-000	M95	\$13,323.42	
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304XP00-32B-2-000	M95	\$13,830.11	
	101	40	24	12	3RW5234-6AC14	3043B-0304XP00-32B-2-002	M95	\$14,212.76	
40	128	40	24	12	3RW5235-6AC14	3043B-0404XP00-32B-2-000	M95	\$15,066.27	
50	153	40	24	12	3RW5236-6AC14	3043B-0504XP00-32B-2-000	M95	\$15,784.71	
60	186	40	24	12	3RW5243-6AC14	3043B-0604XP00-32B-2-000	M95	\$20,066.25	
75	220	60	36	12	3RW5244-6AC14	3043B-0754XP00-32B-2-000	M95	\$21,072.45	
100	279	60	36	12	3RW5245-6AC14	3043B-1004XP00-32B-2-000	M95	\$23,169.86	
125	328	60	36	12	3RW5246-6AC14	3043B-1254XP00-32B-2-000	M95	\$27,215.07	
150	416	60	36	12	3RW5247-6AC14	3043B-1504XP00-32B-2-000	M95	\$28,947.77	
200	504	60	36	12	3RW5248-6AC14	3043B-2004XP00-32B-2-000	M95	\$30,397.41	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54XP00-32B-4-000	M95	\$10,410.13	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104XP00-32B-4-000	M95	\$10,558.49	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154XP00-32B-4-000	M95	\$10,730.95	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204XP00-32B-4-000	M95	\$10,929.72	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204XP00-32B-4-002	M95	\$11,150.76	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304XP00-32B-4-000	M95	\$12,766.46	
40	55.5	42	30	12	3RW5225-1AC14	3043B-0404XP00-32B-4-000	M95	\$13,055.96	
50	68.0	42	30	12	3RW5226-1AC14	3043B-0504XP00-32B-4-000	M95	\$13,323.42	
60	82.5	42	30	12	3RW5227-1AC14	3043B-0604XP00-32B-4-000	M95	\$13,830.11	
75	101.0	42	30	12	3RW5234-6AC14	3043B-0754XP00-32B-4-000	M95	\$14,212.76	
100	128.0	42	30	12	3RW5235-6AC14	3043B-1004XP00-32B-4-000	M95	\$15,066.27	
	153.0	42	30	12	3RW5236-6AC14	3043B-1004XP00-32B-4-002	M95	\$15,784.71	
150	186.0	60	36	12	3RW5243-6AC14	3043B-1504XP00-32B-4-000	M95	\$20,066.25	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504XP00-32B-4-002	M95	\$21,072.45	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004XP00-32B-4-000	M95	\$23,169.86	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504XP00-32B-4-000	M95	\$27,215.07	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504XP00-32B-4-000	M95	\$28,947.77	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004XP00-32B-4-000	M95	\$30,397.41	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 100 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034XP00-32B-2-000	M95	\$10,578.06	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054XP00-32B-2-000	M95	\$10,728.76	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P54XP00-32B-2-000	M95	\$10,904.02	
	28.4	36	24	10	3RW5216-1AC14	3143B-7P54XP00-32B-2-002	M95	\$11,106.03	
10	33.5	36	24	10	3RW5217-1AC14	3143B-0104XP00-32B-2-000	M95	\$11,330.60	
15	41.6	36	24	12	3RW5224-1AC14	3143B-0154XP00-32B-2-000	M95	\$12,972.38	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0204XP00-32B-2-000	M95	\$13,266.55	
	59	40	24	12	3RW5226-1AC14	3143B-0204XP00-32B-2-002	M95	\$13,538.33	
30	82.5	40	24	12	3RW5227-1AC14	3143B-0304XP00-32B-2-000	M95	\$14,053.19	
	97	40	24	12	3RW5234-6AC14	3143B-0304XP00-32B-2-002	M95	\$14,441.98	
	103	40	24	12	3RW5235-6AC14	3143B-0304XP00-32B-2-003	M95	\$15,309.29	
40	117	40	24	12	3RW5236-6AC14	3143B-0404XP00-32B-2-000	M95	\$16,039.31	
50	146	40	24	12	3RW5243-6AC14	3143B-0504XP00-32B-2-000	M95	\$20,389.90	
60	180	60	36	12	3RW5244-6AC14	3143B-0604XP00-32B-2-000	M95	\$21,412.31	
	171	60	36	12	3RW5245-6AC14	3143B-0604XP00-32B-2-002	M95	\$23,543.58	
75	230	60	36	12	3RW5246-6AC14	3143B-0754XP00-32B-2-000	M95	\$27,654.01	
	236	60	36	12	3RW5247-6AC14	3143B-0754XP00-32B-2-002	M95	\$29,414.67	
100	262	60	36	12	3RW5248-6AC14	3143B-1004XP00-32B-2-000	M95	\$30,887.68	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 40-43 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 40-43
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54XP00-32B-4-000	M95	\$10,578.06	
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104XP00-32B-4-000	M95	\$10,728.76	
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154XP00-32B-4-000	M95	\$10,904.02	
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204XP00-32B-4-000	M95	\$11,106.03	
	30.5	36	24	10	3RW5217-1AC14	3143B-0204XP00-32B-4-002	M95	\$11,330.60	
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304XP00-32B-4-000	M95	\$12,972.38	
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404XP00-32B-4-000	M95	\$13,266.55	
	59.0	40	24	12	3RW5226-1AC14	3143B-0404XP00-32B-4-002	M95	\$13,538.33	
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504XP00-32B-4-000	M95	\$14,053.19	
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604XP00-32B-4-000	M95	\$14,053.19	
75	97.0	40	24	12	3RW5234-6AC14	3143B-0754XP00-32B-4-000	M95	\$14,441.98	
	103.0	40	24	12	3RW5235-6AC14	3143B-0754XP00-32B-4-002	M95	\$15,167.39	
	117.0	40	24	12	3RW5236-6AC14	3143B-0754XP00-32B-4-003	M95	\$16,039.31	
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004XP00-32B-4-000	M95	\$19,838.03	
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254XP00-32B-4-000	M95	\$21,412.31	
150	180.0	60	36	12	3RW5244-6AC14	3143B-1504XP00-32B-4-000	M95	\$22,329.36	
	230.0	60	36	12	3RW5246-6AC14	3143B-1504XP00-32B-4-002	M95	\$24,936.25	
	236.0	60	36	12	3RW5247-6AC14	3143B-1504XP00-32B-4-003	M95	\$26,688.98	
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004XP00-32B-4-000	M95	\$28,376.09	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 450 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034XP00-24H-2-000	M95	\$8,556.16	
	15.9	36	24	10	3RW5514-1HA14	3044B-0034XP00-24H-2-002	M95	\$8,794.51	
5	22	36	24	10	3RW5515-1HA14	3044B-0054XP00-24H-2-000	M95	\$9,040.19	
7.5	28	36	24	10	3RW5516-1HA14	3044B-7P54XP00-24H-2-000	M95	\$9,307.61	
10	34	36	24	10	3RW5517-1HA14	3044B-0104XP00-24H-2-000	M95	\$9,641.73	
15	42	40	24	12	3RW5524-1HA14	3044B-0154XP00-24H-2-000	M95	\$11,357.71	
20	56	40	24	12	3RW5525-1HA14	3044B-0204XP00-24H-2-000	M95	\$11,790.95	
	68	40	24	12	3RW5526-1HA14	3044B-0204XP00-24H-2-002	M95	\$12,188.72	
25	83	40	24	12	3RW5527-1HA14	3044B-0254XP00-24H-2-000	M95	\$12,816.59	
30	101	40	24	12	3RW5534-2HA14	3044B-0304XP00-24H-2-000	M95	\$13,365.50	
40	128	40	24	12	3RW5535-2HA14	3044B-0404XP00-24H-2-000	M95	\$14,411.85	
50	153	40	24	12	3RW5536-2HA14	3044B-0504XP00-24H-2-000	M95	\$15,576.56	
60	186	60	36	12	3RW5543-2HA14	3044B-0604XP00-24H-2-000	M95	\$19,672.82	
75	220	60	36	12	3RW5544-2HA14	3044B-0754XP00-24H-2-000	M95	\$21,669.66	
100	279	60	36	12	3RW5545-2HA14	3044B-1004XP00-24H-2-000	M95	\$24,139.69	
125	328	60	36	12	3RW5546-2HA14	3044B-1254XP00-24H-2-000	M95	\$28,886.68	
150	416	60	36	12	3RW5547-2HA14	3044B-1504XP00-24H-2-000	M95	\$31,345.57	
200	504	60	36	12	3RW5548-2HA14	3044B-2004XP00-24H-2-000	M95	\$43,796.79	
	561	60	48	12	3RW5552-6HA14	3044B-2004XP00-24H-2-002	M95	\$45,846.83	
250	641	60	48	12	3RW5553-6HA14	3044B-2504XP00-24H-2-000	M95	\$47,783.16	
300	748	60	48	12	3RW5554-6HA14	3044B-3004XP00-24H-2-000	M95	\$49,741.45	
400	979	60	48	12	3RW5556-6HA14	3044B-4004XP00-24H-2-000	M95	\$53,799.56	
450	1139	60	48	12	3RW5558-6HA14	3044B-4504XP00-24H-2-000	M95	\$63,173.95	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted High Feature HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54XP00-24H-4-000	M95	\$8,556.16	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104XP00-24H-4-000	M95	\$8,794.51	
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154XP00-24H-4-000	M95	\$9,040.19	
15	28.4	36	24	10	3RW5516-1HA14	3044B-0154XP00-24H-4-002	M95	\$9,307.61	
20	33.5	36	24	10	3RW5517-1HA14	3044B-0204XP00-24H-4-000	M95	\$9,641.73	
30	41.6	40	30	12	3RW5524-1HA14	3044B-0304XP00-24H-4-000	M95	\$11,357.71	
40	55.5	40	30	12	3RW5525-1HA14	3044B-0404XP00-24H-4-000	M95	\$11,790.95	
50	68	40	30	12	3RW5526-1HA14	3044B-0504XP00-24H-4-000	M95	\$12,188.72	
60	82.5	40	30	12	3RW5527-1HA14	3044B-0604XP00-24H-4-000	M95	\$12,816.59	
75	101	40	30	12	3RW5534-2HA14	3044B-0754XP00-24H-4-000	M95	\$13,365.50	
100	153	40	30	12	3RW5536-2HA14	3044B-1004XP00-24H-4-000	M95	\$15,576.56	
150	186	60	36	12	3RW5543-2HA14	3044B-1504XP00-24H-4-000	M95	\$19,672.82	
	220	60	36	12	3RW5544-2HA14	3044B-1504XP00-24H-4-002	M95	\$21,669.66	
200	279	60	36	12	3RW5545-2HA14	3044B-2004XP00-24H-4-000	M95	\$24,139.69	
250	328	60	36	12	3RW5546-2HA14	3044B-2504XP00-24H-4-000	M95	\$28,886.68	
300	416	60	36	12	3RW5547-2HA14	3044B-3004XP00-24H-4-000	M95	\$31,345.57	
400	504	60	48	12	3RW5548-2HA14	3044B-4004XP00-24H-4-000	M95	\$43,796.79	
450	561	60	48	12	3RW5552-6HA14	3044B-4504XP00-24H-4-000	M95	\$45,846.83	
500	641	60	48	12	3RW5553-6HA14	3044B-5004XP00-24H-4-000	M95	\$47,783.16	
600	748	60	48	12	3RW5554-6HA14	3044B-6004XP00-24H-4-000	M95	\$49,741.45	
850	979	60	48	12	3RW5556-6HA14	3044B-8504XP00-24H-4-000	M95	\$53,799.56	
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04XP00-24H-4-000	M95	\$63,173.95	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)



Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034XP00-24H-2-000		M95	\$8,694.16
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054XP00-24H-2-000		M95	\$8,936.35
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P54XP00-24H-2-000		M95	\$9,185.99
	27.2	36	24	10	3RW5516-1HA14	3144B-7P54XP00-24H-2-002		M95	\$9,457.72
10	30.5	36	24	10	3RW5517-1HA14	3144B-0104XP00-24H-2-000		M95	\$9,797.26
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154XP00-24H-2-000		M95	\$11,540.90
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204XP00-24H-2-000		M95	\$11,981.12
25	68	40	24	12	3RW5526-1HA14	3144B-0254XP00-24H-2-000		M95	\$12,385.31
30	82.5	40	24	12	3RW5527-1HA14	3144B-0304XP00-24H-2-000		M95	\$13,023.32
	97	40	24	12	3RW5534-2HA14	3144B-0304XP00-24H-2-002		M95	\$13,581.06
40	113	40	24	12	3RW5535-2HA14	3144B-0404XP00-24H-2-000		M95	\$14,644.30
	126	40	24	12	3RW5536-2HA14	3144B-0404XP00-24H-2-002		M95	\$15,827.79
50	146	60	36	12	3RW5543-2HA14	3144B-0504XP00-24H-2-000		M95	\$19,990.12
60	180	60	36	12	3RW5544-2HA14	3144B-0604XP00-24H-2-000		M95	\$22,019.18
75	207	60	36	12	3RW5545-2HA14	3144B-0754XP00-24H-2-000		M95	\$24,529.03
	230	60	36	12	3RW5546-2HA14	3144B-0754XP00-24H-2-002		M95	\$26,634.80
100	254	60	36	12	3RW5547-2HA14	3144B-1004XP00-24H-2-000		M95	\$29,125.47
	262	60	36	12	3RW5548-2HA14	3144B-1004XP00-24H-2-002		M95	\$31,851.13
150	450	60	48	12	3RW5552-6HA14	3144B-1504XP00-24H-2-000		M95	\$46,372.25
	470	60	48	12	3RW5553-6HA14	3144B-1504XP00-24H-2-002		M95	\$48,545.95
200	520	60	48	12	3RW5554-6HA14	3144B-2004XP00-24H-2-000		M95	\$50,749.90
350	840	60	48	12	3RW5556-6HA14	3144B-3504XP00-24H-2-000		M95	\$54,667.29
400	900	60	48	12	3RW5558-6HA14	3144B-4004XP00-24H-2-000		M95	\$59,242.84

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted High Feature HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54XP00-24H-4-000		M95	\$8,694.16
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104XP00-24H-4-000		M95	\$8,936.35
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154XP00-24H-4-000		M95	\$9,185.99
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204XP00-24H-4-000		M95	\$9,457.72
	30.5	36	24	10	3RW5517-1HA14	3144B-0204XP00-24H-4-002		M95	\$9,797.26
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304XP00-24H-4-000		M95	\$11,540.90
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404XP00-24H-4-000		M95	\$11,981.12
50	68	40	24	12	3RW5526-1HA14	3144B-0504XP00-24H-4-000		M95	\$12,385.31
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604XP00-24H-4-000		M95	\$13,023.32
75	97	40	24	12	3RW5534-2HA14	3144B-0754XP00-24H-4-000		M95	\$13,581.06
	113	40	24	12	3RW5535-2HA14	3144B-0754XP00-24H-4-002		M95	\$14,644.30
100	126	40	24	12	3RW5536-2HA14	3144B-1004XP00-24H-4-000		M95	\$15,827.79
	146	60	36	12	3RW5543-2HA14	3144B-1004XP00-24H-4-002		M95	\$19,990.12
125	180	60	36	12	3RW5544-2HA14	3144B-1254XP00-24H-4-000		M95	\$22,019.18
150	207	60	36	12	3RW5545-2HA14	3144B-1504XP00-24H-4-000		M95	\$24,529.03
	230	60	36	12	3RW5546-2HA14	3144B-1504XP00-24H-4-002		M95	\$26,634.80
200	254	60	36	12	3RW5547-2HA14	3144B-2004XP00-24H-4-000		M95	\$29,125.47
	262	60	36	12	3RW5548-2HA14	3144B-2004XP00-24H-4-002		M95	\$31,851.13
350	450	60	48	12	3RW5552-6HA14	3144B-3504XP00-24H-4-000		M95	\$46,372.25
	470	60	48	12	3RW5553-6HA14	3144B-3504XP00-24H-4-002		M95	\$48,545.95
450	520	60	48	12	3RW5554-6HA14	3144B-4504XP00-24H-4-000		M95	\$46,372.25
700	840	60	48	12	3RW5556-6HA14	3144B-7004XP00-24H-4-000		M95	\$54,667.29
750	900	60	48	12	3RW5558-6HA14	3144B-7504XP00-24H-4-000		M95	\$59,242.84

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Standard Features

- 3 HP - 300 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034XP00-24H-2-000		M95	\$8,694.16
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054XP00-24H-2-000		M95	\$8,936.35
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54XP00-24H-2-000		M95	\$9,185.99
10	23.6	36	24	10	3RW5516-1HA14	3244B-0104XP00-24H-2-000		M95	\$9,457.72
	26.0	36	24	10	3RW5517-1HA14	3244B-0104XP00-24H-2-002		M95	\$9,797.26
	38.0	40	24	12	3RW5524-1HA14	3244B-0104XP00-24H-2-003		M95	\$11,546.41
15	48.0	40	24	12	3RW5525-1HA14	3244B-0154XP00-24H-2-000		M95	\$11,971.05
20	62	40	24	12	3RW5526-1HA14	3244B-0204XP00-24H-2-000		M95	\$12,388.54
25	75.5	40	24	12	3RW5527-1HA14	3244B-0254XP00-24H-2-000		M95	\$12,815.74
	81	40	24	12	3RW5534-2HA14	3244B-0254XP00-24H-2-002		M95	\$13,635.60
30	98	40	24	12	3RW5535-2HA14	3244B-0304XP00-24H-2-000		M95	\$14,644.30
40	105	40	24	12	3RW5536-2HA14	3244B-0404XP00-24H-2-000		M95	\$15,685.91
	122	60	36	12	3RW5543-2HA14	3244B-0404XP00-24H-2-002		M95	\$19,848.23
50	140	60	36	12	3RW5544-2HA14	3244B-0504XP00-24H-2-000		M95	\$21,468.66
60	159	60	36	12	3RW5545-2HA14	3244B-0604XP00-24H-2-000		M95	\$23,813.42
	174	60	36	12	3RW5546-2HA14	3244B-0604XP00-24H-2-002		M95	\$25,919.19
	190	60	36	12	3RW5547-2HA14	3244B-0604XP00-24H-2-003		M95	\$29,125.47
75	200	60	36	12	3RW5548-2HA14	3244B-0754XP00-24H-2-000		M95	\$41,571.37
125	340	60	48	12	3RW5552-6HA14	3244B-1254XP00-24H-2-000		M95	\$44,203.44
150	360	60	48	12	3RW5553-6HA14	3244B-1504XP00-24H-2-000		M95	\$48,339.78
	380	60	48	12	3RW5554-6HA14	3244B-1504XP00-24H-2-002		M95	\$50,329.67
250	670	60	48	12	3RW5556-6HA14	3244B-2504XP00-24H-2-000		M95	\$54,667.29
300	720	60	48	12	3RW5558-6HA14	3244B-3004XP00-24H-2-000		M95	\$58,969.38

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48

- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosures
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted High Feature HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54XP00-24H-4-000	M95	\$8,694.16	
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104XP00-24H-4-000	M95	\$8,936.35	
	22.3	36	24	10	3RW5515-1HA14	3244B-0154XP00-24H-4-000	M95	\$9,185.99	
15	23.6	36	24	10	3RW5516-1HA14	3244B-0154XP00-24H-4-002	M95	\$9,457.72	
	26.0	36	24	10	3RW5517-1HA14	3244B-0154XP00-24H-4-003	M95	\$9,797.26	
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254XP00-24H-4-000	M95	\$11,546.41	
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304XP00-24H-4-000	M95	\$11,971.05	
40	62	40	24	12	3RW5526-1HA14	3244B-0404XP00-24H-4-000	M95	\$12,388.54	
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504XP00-24H-4-000	M95	\$12,815.74	
60	81	40	24	12	3RW5534-2HA14	3244B-0604XP00-24H-4-000	M95	\$13,635.60	
	98	40	24	12	3RW5535-2HA14	3244B-0754XP00-24H-4-000	M95	\$14,644.30	
75	105	40	24	12	3RW5536-2HA14	3244B-0754XP00-24H-4-002	M95	\$15,685.91	
	122	60	36	12	3RW5543-2HA14	3244B-0754XP00-24H-4-003	M95	\$19,848.23	
100	140	60	36	12	3RW5544-2HA14	3244B-1004XP00-24H-4-000	M95	\$21,468.66	
125	159	60	36	12	3RW5545-2HA14	3244B-1254XP00-24H-4-000	M95	\$23,813.42	
	174	60	36	12	3RW5546-2HA14	3244B-1254XP00-24H-4-002	M95	\$25,919.19	
150	190	60	36	12	3RW5547-2HA14	3244B-1504XP00-24H-4-000	M95	\$29,125.47	
	200	60	36	12	3RW5548-2HA14	3244B-1504XP00-24H-4-002	M95	\$41,571.37	
250	340	60	48	12	3RW5552-6HA14	3244B-2504XP00-24H-4-000	M95	\$44,203.44	
	360	60	48	12	3RW5553-6HA14	3244B-3004XP00-24H-4-000	M95	\$48,339.78	
300	380	60	48	12	3RW5554-6HA14	3244B-3004XP00-24H-4-002	M95	\$50,329.67	
	600	670	60	48	12	3RW5556-6HA14	3244B-6004XP00-24H-4-000	M95	\$54,667.29
650	720	60	48	12	3RW5558-6HA14	3244B-6504XP00-24H-4-000	M95	\$58,969.38	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT
ACROSS THE LINE
STARTER
PART WIND
STARTER
SOFT
STARTER
VARIABLE FREQUENCY
DRIVE
APPENDIX

HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 450 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034XP00-32B-2-000		M95	\$10,692.48
	15.9	36	24	10	3RW5514-1HA14	3044B-0034XP00-32B-2-002		M95	\$10,930.84
5	22	36	24	10	3RW5515-1HA14	3044B-0054XP00-32B-2-000		M95	\$11,176.53
7.5	28	36	24	10	3RW5516-1HA14	3044B-7P54XP00-32B-2-000		M95	\$11,443.93
10	34	36	24	10	3RW5517-1HA14	3044B-0104XP00-32B-2-000		M95	\$11,778.07
15	42	40	24	12	3RW5524-1HA14	3044B-0154XP00-32B-2-000		M95	\$13,494.04
20	56	40	24	12	3RW5525-1HA14	3044B-0204XP00-32B-2-000		M95	\$13,927.29
	68	40	24	12	3RW5526-1HA14	3044B-0204XP00-32B-2-002		M95	\$14,325.06
25	83	40	24	12	3RW5527-1HA14	3044B-0254XP00-32B-2-000		M95	\$14,952.93
30	101	40	24	12	3RW5534-2HA14	3044B-0304XP00-32B-2-000		M95	\$15,501.83
40	128	40	24	12	3RW5535-2HA14	3044B-0404XP00-32B-2-000		M95	\$16,548.20
50	153	40	24	12	3RW5536-2HA14	3044B-0504XP00-32B-2-000		M95	\$17,712.89
60	186	60	36	12	3RW5543-2HA14	3044B-0604XP00-32B-2-000		M95	\$21,809.16
75	220	60	36	12	3RW5544-2HA14	3044B-0754XP00-32B-2-000		M95	\$23,805.99
100	279	60	36	12	3RW5545-2HA14	3044B-1004XP00-32B-2-000		M95	\$26,276.03
125	328	60	36	12	3RW5546-2HA14	3044B-1254XP00-32B-2-000		M95	\$31,023.01
150	416	60	36	12	3RW5547-2HA14	3044B-1504XP00-32B-2-000		M95	\$33,481.90
200	504	60	36	12	3RW5548-2HA14	3044B-2004XP00-32B-2-000		M95	\$45,933.13
	561	60	48	12	3RW5552-6HA14	3044B-2004XP00-32B-2-002		M95	\$47,983.16
250	641	60	48	12	3RW5553-6HA14	3044B-2504XP00-32B-2-000		M95	\$49,919.49
300	748	60	48	12	3RW5554-6HA14	3044B-3004XP00-32B-2-000		M95	\$51,877.80
400	979	60	48	12	3RW5556-6HA14	3044B-4004XP00-32B-2-000		M95	\$55,935.89
450	1139	60	48	12	3RW5558-6HA14	3044B-4504XP00-32B-2-000		M95	\$65,310.29

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

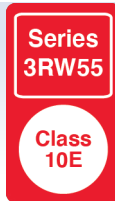
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp Range	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54XP00-32B-4-000	M95	\$10,692.48	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104XP00-32B-4-000	M95	\$10,930.84	
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154XP00-32B-4-000	M95	\$11,176.53	
15	28.4	36	24	10	3RW5516-1HA14	3044B-0154XP00-32B-4-002	M95	\$11,443.93	
20	33.5	36	24	10	3RW5517-1HA14	3044B-0204XP00-32B-4-000	M95	\$11,778.07	
30	41.6	40	30	12	3RW5524-1HA14	3044B-0304XP00-32B-4-000	M95	\$13,494.04	
40	55.5	40	30	12	3RW5525-1HA14	3044B-0404XP00-32B-4-000	M95	\$13,927.29	
50	68	40	30	12	3RW5526-1HA14	3044B-0504XP00-32B-4-000	M95	\$14,325.06	
60	82.5	40	30	12	3RW5527-1HA14	3044B-0604XP00-32B-4-000	M95	\$14,952.93	
75	101	40	30	12	3RW5534-2HA14	3044B-0754XP00-32B-4-000	M95	\$15,501.83	
	128	40	30	12	3RW5535-2HA14	3044B-0754XP00-32B-4-002	M95	\$16,548.20	
100	153	40	30	12	3RW5536-2HA14	3044B-1004XP00-32B-4-000	M95	\$17,712.89	
150	186	60	36	12	3RW5543-2HA14	3044B-1504XP00-32B-4-000	M95	\$21,809.16	
	220	60	36	12	3RW5544-2HA14	3044B-1504XP00-32B-4-002	M95	\$23,805.99	
200	279	60	36	12	3RW5545-2HA14	3044B-2004XP00-32B-4-000	M95	\$26,276.03	
250	328	60	36	12	3RW5546-2HA14	3044B-2504XP00-32B-4-000	M95	\$31,023.01	
300	416	60	36	12	3RW5547-2HA14	3044B-3004XP00-32B-4-000	M95	\$33,481.90	
400	504	60	48	12	3RW5548-2HA14	3044B-4004XP00-32B-4-000	M95	\$45,933.13	
450	561	60	48	12	3RW5552-6HA14	3044B-4504XP00-32B-4-000	M95	\$47,983.16	
500	641	60	48	12	3RW5553-6HA14	3044B-5004XP00-32B-4-000	M95	\$49,919.49	
600	748	60	48	12	3RW5554-6HA14	3044B-6004XP00-32B-4-000	M95	\$51,877.80	
850	979	60	48	12	3RW5556-6HA14	3044B-8504XP00-32B-4-000	M95	\$55,935.89	
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04XP00-32B-4-000	M95	\$65,310.29	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034XP00-32B-2-000		M95	\$10,864.95
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054XP00-32B-2-000		M95	\$11,107.14
	22.3	36	24	10	3RW5515-1HA14	3144B-7P54XP00-32B-2-000		M95	\$11,356.79
7.5	27.2	36	24	10	3RW5516-1HA14	3144B-7P54XP00-32B-2-002		M95	\$11,628.51
	30.5	36	24	10	3RW5517-1HA14	3144B-0104XP00-32B-2-000		M95	\$11,968.06
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154XP00-32B-2-000		M95	\$13,711.68
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204XP00-32B-2-000		M95	\$14,151.92
25	68	40	24	12	3RW5526-1HA14	3144B-0254XP00-32B-2-000		M95	\$14,556.12
30	82.5	40	24	12	3RW5527-1HA14	3144B-0304XP00-32B-2-000		M95	\$15,194.11
	97	40	24	12	3RW5534-2HA14	3144B-0304XP00-32B-2-002		M95	\$15,751.85
40	113	40	24	12	3RW5535-2HA14	3144B-0404XP00-32B-2-000		M95	\$16,815.10
	126	40	24	12	3RW5536-2HA14	3144B-0404XP00-32B-2-002		M95	\$17,998.58
50	146	60	36	12	3RW5543-2HA14	3144B-0504XP00-32B-2-000		M95	\$22,160.92
60	180	60	36	12	3RW5544-2HA14	3144B-0604XP00-32B-2-000		M95	\$24,189.96
75	207	60	36	12	3RW5545-2HA14	3144B-0754XP00-32B-2-000		M95	\$26,699.82
	230	60	36	12	3RW5546-2HA14	3144B-0754XP00-32B-2-002		M95	\$28,805.60
100	254	60	36	12	3RW5547-2HA14	3144B-1004XP00-32B-2-000		M95	\$31,296.28
	262	60	36	12	3RW5548-2HA14	3144B-1004XP00-32B-2-002		M95	\$34,021.93
150	450	60	48	12	3RW5552-6HA14	3144B-1504XP00-32B-2-000		M95	\$48,543.04
	470	60	48	12	3RW5553-6HA14	3144B-1504XP00-32B-2-002		M95	\$50,716.75
200	520	60	48	12	3RW5554-6HA14	3144B-2004XP00-32B-2-000		M95	\$52,920.70
350	840	60	48	12	3RW5556-6HA14	3144B-3504XP00-32B-2-000		M95	\$56,838.10
400	900	60	48	12	3RW5558-6HA14	3144B-4004XP00-32B-2-000		M95	\$61,413.64

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp Range	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54XP00-32B-4-000	M95	\$8,694.16	
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104XP00-32B-4-000	M95	\$8,936.35	
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154XP00-32B-4-000	M95	\$9,185.99	
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204XP00-32B-4-000	M95	\$9,457.72	
	30.5	36	24	10	3RW5517-1HA14	3144B-0204XP00-32B-4-002	M95	\$9,797.26	
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304XP00-32B-4-000	M95	\$11,540.90	
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404XP00-32B-4-000	M95	\$11,981.12	
50	68	40	24	12	3RW5526-1HA14	3144B-0504XP00-32B-4-000	M95	\$12,385.31	
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604XP00-32B-4-000	M95	\$13,023.32	
75	97	40	24	12	3RW5534-2HA14	3144B-0754XP00-32B-4-000	M95	\$13,811.06	
	113	40	24	12	3RW5535-2HA14	3144B-0754XP00-32B-4-002	M95	\$14,644.30	
100	126	40	24	12	3RW5536-2HA14	3144B-1004XP00-32B-4-000	M95	\$15,827.79	
	146	60	36	12	3RW5543-2HA14	3144B-1004XP00-32B-4-002	M95	\$19,990.12	
125	180	60	36	12	3RW5544-2HA14	3144B-1254XP00-32B-4-000	M95	\$22,019.18	
150	207	60	36	12	3RW5545-2HA14	3144B-1504XP00-32B-4-000	M95	\$24,529.03	
	230	60	36	12	3RW5546-2HA14	3144B-1504XP00-32B-4-002	M95	\$26,634.80	
200	254	60	36	12	3RW5547-2HA14	3144B-2004XP00-32B-4-000	M95	\$29,125.47	
	262	60	36	12	3RW5548-2HA14	3144B-2004XP00-32B-4-002	M95	\$31,851.13	
350	450	60	48	12	3RW5552-6HA14	3144B-3504XP00-32B-4-000	M95	\$46,372.25	
	470	60	48	12	3RW5553-6HA14	3144B-3504XP00-32B-4-002	M95	\$48,545.95	
450	520	60	48	12	3RW5554-6HA14	3144B-4504XP00-32B-4-000	M95	\$46,372.25	
700	840	60	48	12	3RW5556-6HA14	3144B-7004XP00-32B-4-000	M95	\$54,667.29	
750	900	60	48	12	3RW5558-6HA14	3144B-7504XP00-32B-4-000	M95	\$59,242.84	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General
 Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 300 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034XP00-32B-2-000		M95	\$10,864.95
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054XP00-32B-2-000		M95	\$11,107.14
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54XP00-32B-2-000		M95	\$11,356.79
	23.6	36	24	10	3RW5516-1HA14	3244B-0104XP00-32B-2-000		M95	\$11,628.51
10	26.0	36	24	10	3RW5517-1HA14	3244B-0104XP00-32B-2-002		M95	\$11,968.06
	38.0	40	24	12	3RW5524-1HA14	3244B-0104XP00-32B-2-003		M95	\$13,717.20
15	48.0	40	24	12	3RW5525-1HA14	3244B-0154XP00-32B-2-000		M95	\$14,141.84
20	62	40	24	12	3RW5526-1HA14	3244B-0204XP00-32B-2-000		M95	\$14,559.33
25	75.5	40	24	12	3RW5527-1HA14	3244B-0254XP00-32B-2-000		M95	\$14,986.55
	81	40	24	12	3RW5534-2HA14	3244B-0254XP00-32B-2-002		M95	\$15,806.41
30	98	40	24	12	3RW5535-2HA14	3244B-0304XP00-32B-2-000		M95	\$16,815.10
40	105	40	24	12	3RW5536-2HA14	3244B-0404XP00-32B-2-000		M95	\$17,856.70
	122	60	36	12	3RW5543-2HA14	3244B-0404XP00-32B-2-002		M95	\$22,019.04
50	140	60	36	12	3RW5544-2HA14	3244B-0504XP00-32B-2-000		M95	\$23,639.44
	159	60	36	12	3RW5545-2HA14	3244B-0604XP00-32B-2-000		M95	\$25,984.22
60	174	60	36	12	3RW5546-2HA14	3244B-0604XP00-32B-2-002		M95	\$28,089.98
	190	60	36	12	3RW5547-2HA14	3244B-0604XP00-32B-2-003		M95	\$31,296.28
75	200	60	36	12	3RW5548-2HA14	3244B-0754XP00-32B-2-000		M95	\$43,742.17
125	340	60	48	12	3RW5552-6HA14	3244B-1254XP00-32B-2-000		M95	\$46,374.23
150	360	60	48	12	3RW5553-6HA14	3244B-1504XP00-32B-2-000		M95	\$50,510.59
	380	60	48	12	3RW5554-6HA14	3244B-1504XP00-32B-2-002		M95	\$52,500.46
250	670	60	48	12	3RW5556-6HA14	3244B-2504XP00-32B-2-000		M95	\$56,838.10
300	720	60	48	12	3RW5558-6HA14	3244B-3004XP00-32B-2-000		M95	\$61,140.18

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 44-48 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 44-48
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty or OPTIONAL three (3) Year Warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54XP00-32B-4-000	M95	\$8,694.16	
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104XP00-32B-4-000	M95	\$8,936.35	
	22.3	36	24	10	3RW5515-1HA14	3244B-0154XP00-32B-4-000	M95	\$9,185.99	
15	23.6	36	24	10	3RW5516-1HA14	3244B-0154XP00-32B-4-002	M95	\$9,457.72	
	26.0	36	24	10	3RW5517-1HA14	3244B-0154XP00-32B-4-003	M95	\$9,797.26	
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254XP00-32B-4-000	M95	\$11,546.41	
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304XP00-32B-4-000	M95	\$11,971.05	
40	62	40	24	12	3RW5526-1HA14	3244B-0404XP00-32B-4-000	M95	\$12,388.54	
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504XP00-32B-4-000	M95	\$12,815.74	
60	81	40	24	12	3RW5534-2HA14	3244B-0604XP00-32B-4-000	M95	\$13,635.60	
	98	40	24	12	3RW5535-2HA14	3244B-0754XP00-32B-4-000	M95	\$14,644.30	
75	105	40	24	12	3RW5536-2HA14	3244B-0754XP00-32B-4-002	M95	\$15,685.91	
	122	60	36	12	3RW5543-2HA14	3244B-0754XP00-32B-4-003	M95	\$19,848.23	
	140	60	36	12	3RW5544-2HA14	3244B-1004XP00-32B-4-000	M95	\$21,468.66	
100	159	60	36	12	3RW5545-2HA14	3244B-1254XP00-32B-4-000	M95	\$23,813.42	
	174	60	36	12	3RW5546-2HA14	3244B-1254XP00-32B-4-002	M95	\$25,919.19	
150	190	60	36	12	3RW5547-2HA14	3244B-1504XP00-32B-4-000	M95	\$29,125.47	
	200	60	36	12	3RW5548-2HA14	3244B-1504XP00-32B-4-002	M95	\$41,571.37	
250	340	60	48	12	3RW5552-6HA14	3244B-2504XP00-32B-4-000	M95	\$44,203.44	
300	360	60	48	12	3RW5553-6HA14	3244B-3004XP00-32B-4-000	M95	\$48,339.78	
	380	60	48	12	3RW5554-6HA14	3244B-3004XP00-32B-4-002	M95	\$50,329.67	
600	670	60	48	12	3RW5556-6HA14	3244B-6004XP00-32B-4-000	M95	\$54,667.29	
650	720	60	48	12	3RW5558-6HA14	3244B-6504XP00-32B-4-000	M95	\$58,969.38	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 20 HP - 600 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit
 Breaker w/ Through Door
Device: SAF MS6 Series



Soft Starter - Standard Package

Ultra Heavy Duty Panel
 NEMA 3R / SAF MS6 Series Soft Starter
 Severe / Crusher Duty Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Soft Start/Off/ATL bypass selector switch
- Door Mounted Keypad w/ metal protective door cover

- 120VAC control inputs for: start, stop, jog, reset, enable
- Integral start duty bypass
- Soft stop capable
- Instantaneous over-current trip
- Single phase protection
- LCD digital display: start / stop - local / remote - rest

Power

- 480V: 20 HP - 600 HP
- 120V Transformer

Warranty

- Standard five (5) year warranty including SCR's or OPTIONAL six (6) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Severe Duty, Crusher Duty and General Purpose applications that require Heavy Starting (Class 30E)

Options

- Fused disconnect available, call for quote

Standard Features

- 20 HP - 600 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (20 HP - 400 HP)
 - Flanged (500 HP - 600 HP)
- SAF MS6 series device
 - User friendly / easy setup
 - Heavy starting: 500% overload for 30 seconds 115% continuous (Class 30E)

- Full start rated contactor
- Service entry rated
- Padlockable door and disconnect
- UL 508A certified

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	Key Pad Built-In	Weight	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D				Model Number			
20	30	36	36	16	MS6-30	✓	128	3120B-0203RP00-27E-4-000	M40	\$8,108.03	
25	30	36	36	16	MS6-30	✓	128	3120B-0253RP00-27E-4-000	M40	\$8,262.47	
30	50	36	36	16	MS6-50	✓	132	3120B-0303RP00-27E-4-000	M40	\$8,189.42	
40	50	36	36	16	MS6-50	✓	142	3120B-0403RP00-27E-4-000	M40	\$8,707.83	
50	75	36	36	16	MS6-80	✓	142	3120B-0503RP00-27E-4-000	M40	\$9,268.20	
60	75	36	36	16	MS6-80	✓	145	3120B-0603RP00-27E-4-000	M40	\$10,702.06	
75	175	36	36	16	MS6-125	✓	178	3120B-0753RP00-27E-4-000	M40	\$10,477.71	
100	125	36	36	16	MS6-125	✓	195	3120B-1003RP00-27E-4-000	M40	\$12,042.36	
125	250	36	36	16	MS6-250	✓	215	3120B-1253RP00-27E-4-000	M40	\$12,775.50	
150	250	48	36	16	MS6-250	✓	219	3120B-1503RP00-27E-4-000	M40	\$14,475.56	
200	250	48	36	16	MS6-250	✓	238	3120B-2003RP00-27E-4-000	M40	\$17,172.00	
250	400	48	36	16	MS6-420	✓	309	3120B-2503RP00-27E-4-000	M40	\$17,757.30	
300	400	48	36	16	MS6-420	✓	325	3120B-3003RP00-27E-4-000	M40	\$20,052.40	
350	400	48	36	16	MS6-420	✓	337	3120B-3503RP00-27E-4-000	M40	\$22,852.94	
400	500	60	36	16	MS6-500	✓	467	3120B-4003RP00-27E-4-000	M40	\$26,632.30	
500	600	60	49	18	MS6-600	✓	505	3120B-500FRP00-27E-4-000	M40	\$33,330.52	
600	800	72	61	18	MS6-800	✓	555	3120B-600FRP00-27E-4-000	M40	\$38,804.91	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 20 HP - 600 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: SAF MS6 Series



Soft Starter - Standard Package

Ultra Heavy Duty Panel

NEMA 4/12 / SAF MS6 Series Soft Starter
 Severe / Crusher Duty Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Soft Start/Off/ATL bypass selector switch
- Door mounted keypad w/ protective metal cover

- 120VAC control inputs for: start, stop, jog, reset, enable
- Integral start duty bypass
- Soft stop capable
- Instantaneous over-current trip
- Single phase protection
- LCD digital display: start / stop - local / remote - rest

Power

- 480V: 20 HP - 600 HP
- 120V Transformer

Warranty

- Standard five (5) year warranty including SCR's or OPTIONAL six (6) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Standard Features

- 20 HP - 600 HP ratings in stock
- NEMA 4/12 - Heavy Duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (20 HP - 400 HP)
 - Flanged (500 HP - 600 HP)
- SAF MS6 series device
 - User friendly / easy setup
 - Heavy starting: 500% overload for 30 seconds
 - 115% continuous (Class 30E)

- Full start rated contactor
- Service entry rated
- Padlockable door and disconnect
- UL 508A certified

Applications

- Severe Duty, Crusher Duty and General Purpose applications that require Heavy Starting (Class 30E)

Options

- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	Key Pad Built-In	Weight	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D				Model Number			
20	30	36	36	16	MS6-30	✓	128	3120B-0204TP00-27E-4-000	M40	\$8,108.03	
25	30	36	36	16	MS6-30	✓	128	3120B-0254TP00-27E-4-000	M40	\$8,262.47	
30	50	36	36	16	MS6-50	✓	132	3120B-0304TP00-27E-4-000	M40	\$8,189.42	
40	50	36	36	16	MS6-50	✓	142	3120B-0404TP00-27E-4-000	M40	\$8,707.83	
50	75	36	36	16	MS6-80	✓	142	3120B-0504TP00-27E-4-000	M40	\$9,268.20	
60	75	36	36	16	MS6-80	✓	145	3120B-0604TP00-27E-4-000	M40	\$11,221.56	
75	125	36	36	16	MS6-125	✓	178	3120B-0754TP00-27E-4-000	M40	\$10,477.70	
100	125	36	36	16	MS6-125	✓	195	3120B-1004TP00-27E-4-000	M40	\$12,042.36	
125	250	36	36	16	MS6-250	✓	215	3120B-1254TP00-27E-4-000	M40	\$13,395.68	
150	250	48	36	16	MS6-250	✓	219	3120B-1504TP00-27E-4-000	M40	\$15,178.26	
200	250	48	36	16	MS6-250	✓	238	3120B-2004TP00-27E-4-000	M40	\$18,005.60	
250	400	48	36	16	MS6-420	✓	309	3120B-2504TP00-27E-4-000	M40	\$18,619.32	
300	400	48	36	16	MS6-420	✓	325	3120B-3004TP00-27E-4-000	M40	\$21,025.82	
350	400	48	36	16	MS6-420	✓	337	3120B-3504TP00-27E-4-000	M40	\$23,962.31	
400	500	60	36	16	MS6-500	✓	467	3120B-4004TP00-27E-4-000	M40	\$27,925.13	
500	600	60	49	18	MS6-600	✓	505	3120B-500FTP00-27E-4-000	M40	\$34,948.51	
600	800	72	61	18	MS6-800	✓	555	3120B-600FTP00-27E-4-000	M40	\$38,804.91	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 20 HP - 600 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: SAF MS6 Series



ADVANCED DESIGN

Advanced design for applications where additional fault monitoring is required. Package includes a Full-Start Rated Contactor as a secondary full-voltage AC motor starting means.



Soft Starter - Advanced Package

Ultra Heavy Duty Panel
 NEMA 3R / SAF MS6 Series Soft Starter
 Murphy Switch Interface for Advanced
 Fault Monitoring Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Soft Start/Off/ATL bypass selector switch
- Door mounted keypad w/ protective metal cover
- Murphy Switch Interface w/ Fault Recall Function-Recalls the last five (5) faults in sequence

- User friendly / easy setup
- Heavy starting: 500% overload for 30 seconds 115% continuous (Class 30E)
- 120VAC control inputs for: start, stop, jog, reset, enable
- Integral start duty bypass
- Soft stop capable
- Instantaneous over-current trip
- Single phase protection
- LCD digital display: start / stop - local / remote - rest

Power

- 480V: 20 HP - 600 HP
- 120V Transformer

Warranty

- Standard five (5) year warranty including SCR's or OPTIONAL six (6) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Severe Duty applications where advanced fault monitoring is required. Suitable for Heaving Starting (Class 30E).

Options

- Fused disconnect available, call for quote

Standard Features

- 20 HP - 600 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (20 HP - 400 HP)
 - Flanged (500 HP - 600 HP)
- SAF MS6 series device

- Full start rated contactor
- Service entry rated
- Padlockable door and disconnect
- UL 508A certified

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	Key Pad Built-In	Weight	480V w/120V Transformer		Mult. Symbol	List Price
		H	W	D				Model Number			
20	30	36	36	16	MS6-30	✓	128	3120B-0203RP00-27S-4-000	M40	\$10,568.23	
25	30	36	36	16	MS6-30	✓	128	3120B-0253RP00-27S-4-000	M40	\$10,722.67	
30	50	36	36	16	MS6-50	✓	132	3120B-0303RP00-27S-4-000	M40	\$10,583.14	
40	50	36	36	16	MS6-50	✓	142	3120B-0403RP00-27S-4-000	M40	\$11,101.54	
50	75	36	36	16	MS6-80	✓	142	3120B-0503RP00-27S-4-000	M40	\$11,772.72	
60	75	36	36	16	MS6-80	✓	145	3120B-0603RP00-27S-4-000	M40	\$12,907.88	
75	125	36	36	16	MS6-125	✓	178	3120B-0753RP00-27S-4-000	M40	\$12,566.40	
100	125	36	36	16	MS6-125	✓	195	3120B-1003RP00-27S-4-000	M40	\$14,131.05	
125	250	36	36	16	MS6-250	✓	215	3120B-1253RP00-27S-4-000	M40	\$14,903.23	
150	250	48	36	16	MS6-250	✓	219	3120B-1503RP00-27S-4-000	M40	\$16,603.29	
200	250	48	36	16	MS6-250	✓	238	3120B-2003RP00-27S-4-000	M40	\$19,299.74	
250	400	48	36	16	MS6-420	✓	309	3120B-2503RP00-27S-4-000	M40	\$19,806.97	
300	400	48	36	16	MS6-420	✓	325	3120B-3003RP00-27S-4-000	M40	\$22,102.05	
350	400	48	36	16	MS6-420	✓	337	3120B-3503RP00-27S-4-000	M40	\$24,902.61	
400	500	60	36	16	MS6-500	✓	467	3120B-4003RP00-27S-4-000	M40	\$28,681.95	
500	600	60	49	18	MS6-600	✓	505	3120B-500FRP00-27S-4-000	M40	\$35,321.61	
600	800	72	61	18	MS6-800	✓	555	3120B-600FRP00-27S-4-000	M40	\$40,815.51	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 20 HP - 600 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: SAF MS6 Series



ADVANCED DESIGN

Advanced design for applications where additional fault monitoring is required. Package includes a Full-Start Rated Contactor as a secondary full-voltage AC motor starting means.



Soft Starter - Advanced Package

Ultra Heavy Duty Panel

NEMA 4/12 / SAF MS6 Series Soft Starter

Murphy Switch Interface for Advanced

Fault Monitoring Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Soft Start/Off/ATL bypass selector switch
- Door mounted keypad w/ protective metal cover
- Murphy switch interface w/ fault recall function- recalls the last five (5) faults in sequence

Standard Features

- 20 HP - 600 HP ratings in stock
- NEMA 4/12 - Heavy Duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (20 HP - 400 HP)
 - Flanged (500 HP - 600 HP)
- SAF MS6 series device
 - User friendly / easy setup
 - Heavy starting: 500% overload for 30 seconds
115% continuous (30E Class)

- 120VAC control inputs for: start, stop, jog, reset, enable
- Integral start duty bypass
- Soft stop capable
- Instantaneous over-current trip
- Single phase protection
- LCD digital display: start / stop - local / remote - rest
- Full start rated contactor
- Service entry rated
- Padlockable door and disconnect
- UL 508A certified

Power

- 480V: 20 HP - 600 HP
- 120V Transformer

Warranty

- Standard five (5) year warranty including SCR's or OPTIONAL six (6) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Severe Duty applications where advanced fault monitoring is required. Suitable for Heaving Starting (Class 30E)

Options

- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	Key Pad Built-In	Weight	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D				Model Number			
20	30	36	36	16	MS6-30	✓	128	3120B-0204TP00-27S-4-000	M40	\$10,568.23	
25	30	36	36	16	MS6-30	✓	128	3120B-0254TP00-27S-4-000	M40	\$10,722.67	
30	50	36	36	16	MS6-50	✓	132	3120B-0304TP00-27S-4-000	M40	\$10,583.14	
40	50	36	36	16	MS6-50	✓	142	3120B-0404TP00-27S-4-000	M40	\$11,101.54	
50	75	36	36	16	MS6-80	✓	142	3120B-0504TP00-27S-4-000	M40	\$11,772.72	
60	75	36	36	16	MS6-80	✓	145	3120B-0604TP00-27S-4-000	M40	\$12,907.88	
75	125	36	36	16	MS6-125	✓	178	3120B-0754TP00-27S-4-000	M40	\$12,566.40	
100	125	36	36	16	MS6-125	✓	195	3120B-1004TP00-27S-4-000	M40	\$14,131.04	
125	250	36	36	16	MS6-250	✓	215	3120B-1254TP00-27S-4-000	M40	\$14,903.22	
150	250	48	36	16	MS6-250	✓	219	3120B-1504TP00-27S-4-000	M40	\$16,603.29	
200	250	48	36	16	MS6-250	✓	238	3120B-2004TP00-27S-4-000	M40	\$19,299.73	
250	400	48	36	16	MS6-420	✓	309	3120B-2504TP00-27S-4-000	M40	\$19,806.97	
300	400	48	36	16	MS6-420	✓	325	3120B-3004TP00-27S-4-000	M40	\$22,102.06	
350	400	48	36	16	MS6-420	✓	337	3120B-3504TP00-27S-4-000	M40	\$24,902.61	
400	500	60	36	16	MS6-500	✓	467	3120B-4004TP00-27S-4-000	M40	\$28,681.95	
500	600	60	49	18	MS6-600	✓	505	3120B-500FTP00-27S-4-000	M40	\$35,321.59	
600	800	72	61	18	MS6-800	✓	555	3120B-600FTP00-27S-4-000	M40	\$40,815.51	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 132-133
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

REDUCED VOLTAGE SOFT STARTER (RVSS) PANEL OPTIONS

3000 SERIES	REDUCED VOLTAGE SOFT STARTER (RVSS) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
PUSHBUTTONS		
004	Start pushbutton	\$171.40
005	Stop Pushbutton	\$171.40
043	Start / Stop Pushbutton	\$234.74
007	Jog Pushbutton	\$171.40
009	Raised Pushbutton - Specify Color and Function	\$171.40
010	Flush Pushbutton - Specify Color and Function	\$188.79
011	Mushroom Type Pushbutton - Specify Color and Function	\$262.69
012	Illuminated Pushbutton - Specify Color and Function	\$345.28
008	Soft Start or VFD Chassis Reset Pushbutton	\$171.40
PILOT LIGHTS (REQUIRES TRANSFORMER)		
006	Run light	\$197.48
013	Stop Light	\$197.48
023	Power On Light	\$197.48
014	Fault Light	\$197.48
015	Ready Light	\$197.48
016	Bypass Light	\$197.48
017	Red Light - Specify Function	\$197.48
018	Green Light - Specify Function	\$197.48
019	Amber Light - Specify Function	\$197.48
020	White Light - Specify Function	\$197.48
021	Blue Light - Specify Function	\$197.48
022	Push to Test Contact Assembly	\$197.48
065	High Visibility Status Light (PLC may required for complete functionality)	\$309.26
SELECTOR SWITCHES		
024	Hand - Off - Auto / HOA Selector Switch	\$247.78
025	Local - Off - Remote Selector Switch	\$247.78
026	Key Operated Hand - Off - Auto Selector Switch	\$409.86
002	Two Position Selector Switch - Specify Function	\$201.21
003	Three Position Selector Switch - Specify Function	\$244.06
027	Other Selector Switch - Specify Function and Type	☎
METERS		
030	Elapsed Time Meter	\$293.12
031	Other Power Metering - Specify Function	☎
TIMERS		
037	24/7 Programmable Timer	\$149.04
116	0-10 Minute Restart (Back Spin) Timer	\$186.30
156	Percentage Timer	\$517.50
ADVANCED FAULT / STATUS MONITORING OPTIONS		
110	Stack / Tower Light - 360° Visibility (Red / Yellow / Green) w/ 6' Cable	\$894.24
040	Murphy Switch Interface W/ Fault Recall Function	\$1,978.51
052	Two Way Cellular Communication & Functionality	☎
061	Cloud Based Remote Monitoring	☎
SPACE HEATERS		
034	Space Heater with Thermostat	\$529.10
PROTECTION MECHANISMS		
041	Surge suppressor	\$381.30
115	SymCom MotorSaver® Model 460	\$253.37
063	"Lightning and Surge" Protection" (pp. 203 - 204) - All panels will include line side lightning, surge and severe over voltage protection, which comprises one (1) additional year of warranty coverage on the entire panel. In addition, all soft starter & VFD panels will include load side single phasing, phase reversal and voltage unbalance protection, and are eligible for NAE's "No Hassle" Chassis Exchange Program	\$1,552.50
MAIN LINE ONLY BOXES		
070	Main Line Only Box: 20" Tall, 16" Wide , 12" Depth	\$2,234.36
FLOOR STANDS		
SPFSK-1212-W	2 Legs; 12" Tall, 12" Depth	\$276.97
SPFSK-1216-W	2 Legs; 12" Tall, 16" Depth	\$310.50

MotorSaver® is a registered trademark of SymCom, Inc.

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.



3000 SERIES	SOFT STARTER DRIVE SERIES OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
COMMUNICATION MODULES 3RW50 PANEL MOUNTED		
5001	Communication Module Ethernet/IP	\$1062.92
5002	Communication Module PROFIBUS	\$1062.92
5003	Communication Module Modbus RTU	\$1062.92
5004	Communication Module Modbus TCP	\$1062.92
5005	Communication Module PROFINET Standard	\$1062.92
3RW50 HMI PANEL OPTIONS		
5006	High Feature HMI Chassis Mounted	\$1011.41
5007	Standard HMI Chassis Mounted	\$602.79
3RW52 HMI PANEL OPTIONS		
5201	High Feature HMI Chassis Mounted	\$944.53
5202	Standard HMI Chassis Mounted	\$450.47
COMMUNICATION MODULES 3RW52 PANEL MOUNTED		
5203	Communication Module Ethernet/IP	\$868.00
5204	Communication Module PROFIBUS	\$868.00
5205	Communication Module Modbus RTU	\$868.00
5206	Communication Module Modbus TCP	\$868.00
5207	Communication Module PROFINET Standard	\$868.00
COMMUNICATION MODULES 3RW55 PANEL MOUNTED		
5501	Communication Module Ethernet/IP	\$868.00
5502	Communication Module PROFIBUS	\$868.00
5503	Communication Module Modbus RTU	\$868.00
5504	Communication Module Modbus TCP	\$868.00
5505	Communication Module PROFINET Standard	\$941.81
5506	Communication Module PROFINET High Feature w/Integral Switch	\$888.49

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Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.



HP: 1 HP - 15 HP
Volts: 240V / 480V
Enclosure: NEMA 1

Drive: LS Electric G100 Series
Design: Compact
Torque: Variable



VFD - Drive Chassis Only

IP20 or NEMA 1 / LS Electric G100

Standard Features / Specifications

Standard Features

- IP20 or NEMA 1 Enclosure
- -10°C—40°C VT
- Three-phase input
- Sensorless vector & V/Hz available
- Easy fan maintenance
- Modbus RTU
- Potentiometer (Speed Pot)
- PID loop control capable with analog input

Specifications

- 1 HP - 15 HP ratings in stock
- IP20 or NEMA
- UL listed

Power

- 240V: 1 HP - 15 HP
- 480V: 1 HP - 15 HP

Warranty

- Two (2) year factory warranty

Applications

- Chassis / compact

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	240V		Mult. Symbol	List Price	
HP ¹	Amp Range		H	W	D			Model Number	IP20		NEMA 1 ²	
1	3.1	1	6.5	3.4	5.5	✓ ³	--	VFD-LSLV0004G100-2EONN	M105	\$396.10	\$396.10	
2	6	1	6.5	3.4	5.5	✓ ³	--	VFD-LSLV0008G100-2EONN	M105	\$416.45	\$416.45	
3	9.6	2	7	4	6.3	✓ ³	--	VFD-LSLV0015G100-2EONN	M105	\$444.93	\$444.93	
5	12	2	7	4	6.3	✓ ³	--	VFD-LSLV0022G100-2EONN	M105	\$462.57	\$462.57	
7.5	18	3	7.6	5.3	6.3	✓ ³	--	VFD-LSLV0040G100-2EONN	M105	\$564.30	\$564.30	
10	30	4	9.5	7.1	6	✓ ³	--	VFD-LSLV0055G100-2EONN	M105	\$885.80	\$885.80	
15	40	4	9.5	7.1	6	✓ ³	--	VFD-LSLV0075G100-2EONN	M105	\$999.74	\$999.74	

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	480V		Mult. Symbol	List Price	
HP ¹	Amp Range		H	W	D			Model Number	IP20		NEMA 1 ²	
1	2	1	6.5	3.4	5.5	✓ ³	--	VFD-LSLV0004G100-4E0FN	M105	\$416.45	\$416.45	
2	3.1	1	6.5	3.4	5.5	✓ ³	--	VFD-LSLV0008G100-4E0FN	M105	\$434.09	\$434.09	
3	5.1	2	7	4	6.3	✓ ³	--	VFD-LSLV0015G100-4E0FN	M105	\$455.79	\$455.79	
5	6.9	2	7	4	6.3	✓ ³	--	VFD-LSLV0022G100-4E0FN	M105	\$480.21	\$480.21	
7.5	10	3	7.6	5.3	6.3	✓ ³	--	VFD-LSLV0040G100-4E0FN	M105	\$542.60	\$542.60	
10	16	4	9.5	7.1	6	✓ ³	--	VFD-LSLV0055G100-4E0FN	M105	\$774.57	\$774.57	
15	23	4	9.5	7.1	6	✓ ³	--	VFD-LSLV0075G100-4E0FN	M105	\$827.48	\$827.48	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
2. Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
3. LED Keypad (7-Segment)

Warranty on pp. 201-205



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 100 HP
Volts: 240V / 480V
Enclosure: IP20 or NEMA 1

Drive: LS Electric S100 Series
Design: Standard
Torque: Variable



VFD - Drive Chassis Only

IP20 or NEMA 1 / LS Electric S100

Standard Features / Specifications

Standard Features

- IP20 or NEMA 1 Enclosure
- -10°C—40°C VT
- 1-Phase to 3-Phase input
- Sensorless Vector & V/Hz available
- Easy fan maintenance
- Modbus RTU
- PID loop control capable with analog input

Specifications

- 1 HP - 100 HP ratings in stock
- IP20 or NEMA 1
- UL listed

Power

- 240V: 1 HP - 25 HP
- 480V: 1 HP - 100 HP

Warranty

- Two (2) year factory warranty

Applications

- Chassis / standard

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	240V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IP20		NEMA 1 ²	
1	3.1	1	5	2.7	4.8	✓ ³	✓	LSLV0004S100-2EONNS	M105	\$428.21	\$468.82	
2	6	2	5	2.7	5	✓ ³	✓	LSLV0008S100-2EONNS	M105	\$492.20	\$532.81	
3	10	4	5	3.9	5.1	✓ ³	✓	LSLV0015S100-2EONNS	M105	\$567.26	\$607.87	
5	5	5	5	3.9	5.7	✓ ³	✓	LSLV0022S100-2EONNS	M105	\$654.63	\$695.23	
7.5	18	7	5	5.5	5.7	✓ ³	✓	LSLV0040S100-2EONNS	M105	\$882.27	\$922.88	
10	30	9	9.1	6.3	5.5	✓ ³	✓	LSLV0055S100-2EONNS	M105	\$1,159.13	\$1,203.43	
15	40	9	9.1	6.3	5.5	✓ ³	✓	LSLV0075S100-2EONNS	M105	\$1,418.77	\$1,463.06	
20	56	10	11.4	7.1	6.4	✓ ³	✓	LSLV0110S100-2EONNS	M105	\$1,827.29	\$1,871.59	
25	69	11	13.8	8.7	7.4	✓ ³	✓	LSLV0150S100-2EONNS	M105	\$2,079.55	\$2,123.84	

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	480V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IP20		NEMA 1 ²	
1	2	1	5	2.7	4.8	✓ ³	✓	LSLV0004S100-4EONNS	M105	\$623.86	\$664.47	
2	3.1	2	5	2.7	5	✓ ³	✓	LSLV0008S100-4EONNS	M105	\$739.53	\$780.14	
3	5.1	4	5	3.9	5.1	✓ ³	✓	LSLV0015S100-4EONNS	M105	\$819.51	\$860.12	
5	5	5	5	3.9	5.7	✓ ³	✓	LSLV0022S100-4EONNS	M105	\$893.34	\$933.95	
7.5	10	0	5	5.5	5.7	✓ ³	✓	LSLV0040S100-4EONNS	M105	\$917.95	\$958.56	
10	16	9	9.1	6.3	5.5	✓ ³	✓	LSLV0055S100-4EONNS	M105	\$1,197.28	\$1,241.57	
15	23	9	9.1	6.3	5.5	✓ ³	✓	LSLV0075S100-4EONNS	M105	\$1,449.53	\$1,493.83	
20	30	10	11.4	7.1	6.4	✓ ³	✓	LSLV0110S100-4EONNS	M105	\$1,922.04	\$1,966.34	
25	38	10	11.4	7.1	6.4	✓ ³	✓	LSLV0150S100-4EONNS	M105	\$2,331.80	\$2,376.10	
30	44	11	13.8	8.7	7.4	✓ ³	✓	LSLV0185S100-4EONNS	M105	\$2,665.26	\$2,709.56	
40	58	11	13.8	8.7	7.4	✓ ³	✓	LSLV0220S100-4EONNS	M105	\$2,787.08	\$2,847.38	
50	75	12	17.7	10.8	11.2	✓ ³	✓	LSLV0300S100-4CONDS	M105	\$4,750.96	\$4,811.26	
60	91	13	20.1	12.8	11.2	✓ ⁴	✓	LSLV0370S100-4CONDS	M105	\$5,548.32	\$5,608.62	
75	107	13	20.1	12.8	11.2	✓ ⁴	✓	LSLV0450S100-4CONDS	M105	\$6,498.27	\$6,558.57	
100	142	14	21.7	12.8	12.2	✓ ⁴	✓	LSLV0550S100-4CONDS	M105	\$7,677.09	\$7,737.38	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
2. Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
3. LED Keypad (7-Segment)
4. LCD Keypad

Warranty on pp. 201-205



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: .5 HP - 100 HP
Volts: 240V / 480V
Enclosure: IP20 or NEMA 1

Drive: LS Electric S100 Series
Design: Standard
Torque: Constant



VFD - Drive Chassis Only

IP20 or NEMA 1 / LS Electric S100

Standard Features / Specifications

Standard Features

- IP20 or NEMA 1 Enclosure
- -10°C–50°C CT
- 1-Phase to 3-Phase input
- Sensorless Vector & V/Hz Available
- Easy fan maintenance
- Modbus RTU
- PID loop control capable with analog input

Specifications

- .5 HP - 100 HP ratings in stock
- IP20 or NEMA 1
- UL listed

Power

- 240V: .5 HP - 25 HP
- 480V: .5 HP - 100 HP

Warranty

- Two (2) year factory warranty

Applications

- Chassis / standard

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	240V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IP20		NEMA 1 ²	
0.5	2.5	1	5	2.7	4.8	✓ ³	✓	LSLV0004S100-2EONNS	M105	\$428.21	\$468.82	
1	5	2	5	2.7	5	✓ ³	✓	LSLV0008S100-2EONNS	M105	\$492.20	\$532.81	
1.5	8	4	5	3.9	5.1	✓ ³	✓	LSLV0015S100-2EONNS	M105	\$567.26	\$607.87	
3	11	5	5	3.9	5.7	✓ ³	✓	LSLV0022S100-2EONNS	M105	\$654.63	\$695.23	
5	17	7	5	5.5	5.7	✓ ³	✓	LSLV0040S100-2EONNS	M105	\$882.27	\$922.88	
7.5	24	9	9.1	6.3	5.5	✓ ³	✓	LSLV0055S100-2EONNS	M105	\$1,159.13	\$1,203.43	
10	32	9	9.1	6.3	5.5	✓ ³	✓	LSLV0075S100-2EONNS	M105	\$1,418.77	\$1,463.06	
15	46	10	11.4	7.1	6.4	✓ ³	✓	LSLV0110S100-2EONNS	M105	\$1,827.29	\$1,871.59	
20	60	11	13.8	8.7	7.4	✓ ³	✓	LSLV0150S100-2EONNS	M105	\$2,079.55	\$2,123.84	

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	480V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IP20		NEMA 1 ²	
0.5	1.3	1	5	2.7	4.8	✓ ³	✓	LSLV0004S100-4EONNS	M105	\$623.86	\$664.47	
1	2.5	2	5	2.7	5	✓ ³	✓	LSLV0008S100-4EONNS	M105	\$739.53	\$780.14	
1.5	4	4	5	3.9	5.1	✓ ³	✓	LSLV0015S100-4EONNS	M105	\$819.51	\$860.12	
3	5.5	5	5	3.9	5.7	✓ ³	✓	LSLV0022S100-4EONNS	M105	\$893.34	\$933.95	
5	8	7	5	5.5	5.7	✓ ³	✓	LSLV0037S100-4EONNS	M105	\$917.95	\$958.56	
7.5	12	9	9.1	6.3	5.5	✓ ³	✓	LSLV0055S100-4EONNS	M105	\$1,197.28	\$1,241.57	
10	16	9	9.1	6.3	5.5	✓ ³	✓	LSLV0075S100-4EONNS	M105	\$1,449.53	\$1,493.83	
15	24	10	11.4	7.1	6.4	✓ ³	✓	LSLV0110S100-4EONNS	M105	\$1,922.04	\$1,966.34	
20	30	10	11.4	7.1	6.4	✓ ³	✓	LSLV0150S100-4EONNS	M105	\$2,331.80	\$2,376.10	
25	39	11	13.8	8.7	7.4	✓ ³	✓	LSLV0185S100-4EONNS	M105	\$2,665.26	\$2,709.56	
30	45	11	13.8	8.7	7.4	✓ ³	✓	LSLV0220S100-4EONNS	M105	\$2,787.08	\$2,847.38	
40	61	12	17.7	10.8	11.2	✓ ⁴		LSLV0300S100-4CONDS	M105	\$4,750.96	\$4,811.26	
50	75	13	20.1	12.8	11.2	✓ ⁴		LSLV0370S100-4CONDS	M105	\$5,548.32	\$5,608.62	
60	91	13	20.1	12.8	11.2	✓ ⁴		LSLV0450S100-4CONDS	M105	\$6,498.27	\$6,558.57	
75	110	14	21.7	12.8	12.2	✓ ⁴		LSLV0550S100-4CONDS	M105	\$7,677.09	\$7,737.38	
100	152	14	21.7	12.8	12.2	✓ ⁴		LSLV0750S100-4CONDS	M105	\$7,951.49	\$8,011.79	

* Notes:

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
- LED Keypad (7-Segment)
- LCD Keypad

Warranty on pp. 201-205



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: .5 HP - 30 HP
Volts: 240V / 480V
Enclosure: IP66 / NEMA 4X

Drive: LS Electric S100/ 4X Series
Design: Washdown Duty
Torque: Constant



VFD - Drive Chassis Only

NEMA 4X / LS Electric S100

Standard Features / Specifications

Standard Features

- IP66 / NEMA 4X Enclosure
- 10°C–50°C CT
- 3-Phase input
- Sensorless vector & V/Hz available
- Main capacitor and fan life cycle estimation
- Peer to peer communications
- PID loop control capable with analog input
- Heats sink out of the back mounting option

Specifications

- .5 HP - 30 HP Ratings in stock
- IP66 / NEMA 4X
- UL Plenum Rated

Power

- 240V: .5 HP - 20 HP
- 480V: .5 HP - 30 HP

Warranty

- Two (2) year factory warranty

Applications

- Chassis / Washdown

Constant Torque		Dimensions (inches)			Key Pad Built-In	DC Choke	240V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
0.5	2.5	10.1	7.1	6.9	✓ ³	--	LSLV0004S100-2EXNNS	M105	\$778.69	
1	5	10.1	7.1	6.9	✓ ³	--	LSLV0008S100-2EXNNS	M105	\$791.72	
2	8	10.2	8.7	7.9	✓ ³	--	LSLV0015S100-2EXNNS	M105	\$1,013.47	
3	11	10.2	8.7	7.9	✓ ³	--	LSLV0022S100-2EXNNS	M105	\$1,078.68	
5	16	10.2	8.7	7.9	✓ ³	--	LSLV0037S100-2EXNNS	M105	\$1,443.89	
7.5	24	12.9	9.8	8.9	✓ ³	--	LSLV0055S100-2EXNNS	M105	\$2,159.97	
10	32	12.9	9.8	8.9	✓ ³	--	LSLV0075S100-2EXNNS	M105	\$2,410.40	
15	46	15.7	10.2	9.7	✓ ³	--	LSLV0110S100-2EXNNS	M105	\$2,979.09	
20	60	18.1	11.8	9.8	✓ ³	--	LSLV0150S100-2EXNNS	M105	\$3,391.26	

Constant Torque		Dimensions (inches)			Key Pad Built-In	DC Choke	480V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
0.5	1.3	10.1	7.1	6.9	✓ ³	--	LSLV0004S100-4EXNNS	M105	\$948.24	
1	2.5	10.1	7.1	6.9	✓ ³	--	LSLV0008S100-4EXNNS	M105	\$969.12	
2	4	10.2	8.7	7.9	✓ ³	--	LSLV0015S100-4EXNNS	M105	\$1,039.55	
3	5.5	10.2	8.7	7.9	✓ ³	--	LSLV0022S100-4EXNNS	M105	\$1,287.37	
5	8	10.2	8.7	7.9	✓ ³	--	LSLV0037S100-4EXNNS	M105	\$2,008.67	
7.5	12	12.9	9.8	8.9	✓ ³	--	LSLV0055S100-4EXNNS	M105	\$2,671.26	
10	16	12.9	9.8	8.9	✓ ³	--	LSLV0075S100-4EXNNS	M105	\$2,962.14	
15	24	15.7	10.2	9.7	✓ ³	--	LSLV0110S100-4EXNNS	M105	\$3,135.61	
20	30	15.7	10.2	9.7	✓ ³	--	LSLV0150S100-4EXNNS	M105	\$3,803.43	
25	39	18.1	11.8	9.8	✓ ³	--	LSLV0185S100-4EXNNS	M105	\$3,872.55	
30	45	18.1	11.8	9.8	✓ ³	--	LSLV0220S100-4EXNNS	M105	\$4,136.04	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
2. Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
3. LED Keypad (7-Segment)

Warranty on pp. 201-205



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 700 HP
Volts: 240V / 480V
Enclosure: NEMA IP00 or NEMA 1

Drive: LS Electric iS7
Design: DC Choke Built-In
 High Performance Duty
Torque: Variable



VFD - Drive Chassis Only

NEMA IP00 or NEMA 1 / LS Electric iS7

Standard Features / Specifications

Standard Features

- -10°C—40°C VT
- 3-Phase input
- Sensorless vector or V/Hz control capable
- Fieldbus and closed loop options
- PID loop control capable with analog input
- Heat sink out of the back mounting option (125 HP and below)

Specifications

- 1 HP - 700 HP ratings in stock
- NEMA IP00 or NEMA 1
- UL listed

Power

- Variable/240V: 1 HP - 40 / 480V: 1 HP - 700 HP

Warranty

- Two (2) year factory warranty

Applications

- Chassis / high performance

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	240V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IP00		NEMA 1 ²	
2	8	1	11.2	5.9	7.9	--	✓	SV0008IS7-2NOFD	M105	\$1,167.74	\$1,214.50	
3	12	1	11.2	5.9	7.9	--	✓	SV0015IS7-2NOFD	M105	\$1,212.04	\$1,258.80	
5	16	1	11.2	5.9	7.9	--	✓	SV0022IS7-2NOFD	M105	\$1,294.49	\$1,341.25	
7.5	24	1	11.2	5.9	7.9	--	✓	SV0037IS7-2NOFD	M105	\$1,463.06	\$1,509.82	
10	32	2	14	7.9	8.9	--	✓	SV0055IS7-2NOFD	M105	\$1,657.48	\$1,706.70	
15	46	2	14	7.9	8.9	--	✓	SV0075IS7-2NOFD	M105	\$2,373.63	\$2,422.85	
20	60	3	15.2	9.8	11.2	--	✓	SV0110IS7-2NOFD	M105	\$2,944.59	\$3,001.19	
25	74	3	15.2	9.8	11.2	--	✓	SV0150IS7-2NOFD	M105	\$3,618.90	\$3,675.50	
30	88	4	18.2	11	11.7	--	✓	SV0185IS7-2NOFD	M105	\$4,242.76	\$4,337.51	
40	124	4	18.2	11	11.7	--	✓	SV0220IS7-2NOFD	M105	\$5,360.06	\$5,454.81	

Variable Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	480V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IP00		NEMA 1 ²	
2	4	1	11.2	5.9	7.9	--	✓	SV0008IS7-4NOFD	M105	\$1,216.96	\$1,263.72	
3	6	1	11.2	5.9	7.9	--	✓	SV0015IS7-4NOFD	M105	\$1,220.66	\$1,267.42	
5	8	1	11.2	5.9	7.9	--	✓	SV0022IS7-4NOFD	M105	\$1,340.01	\$1,386.77	
7.5	12	1	11.2	5.9	7.9	--	✓	SV0037IS7-4NOFD	M105	\$1,552.89	\$1,599.65	
10	16	2	14	7.9	8.9	--	✓	SV0055IS7-4NOFD	M105	\$1,871.59	\$1,920.81	
15	24	2	14	7.9	8.9	--	✓	SV0075IS7-4NOFD	M105	\$2,296.11	\$2,345.33	
20	30	3	15.2	9.8	11.2	--	✓	SV0110IS7-4NOFD	M105	\$2,815.38	\$2,871.99	
25	39	3	15.2	9.8	11.2	--	✓	SV0150IS7-4NOFD	M105	\$3,157.46	\$3,214.07	
30	45	4	18.2	11	11.7	--	✓	SV0185IS7-4NOFD	M105	\$3,270.67	\$3,365.42	
40	61	4	18.2	11	11.7	--	✓	SV0220IS7-4NOFD	M105	\$4,134.48	\$4,229.23	
	75	5	23.4	11.8	11.9	--	✓	SV0300IS7-4NOD	M105	\$6,073.75	\$6,170.96	
60	91	5	23.4	11.8	11.9	--	✓	SV0370IS7-4NOD	M105	\$6,073.75	\$6,170.96	
75	110	5	23.4	11.8	11.9	--	✓	SV0450IS7-4NOD	M105	\$6,826.81	\$6,924.02	
100	152	6	26.1	14.6	14.7	--	✓	SV0550IS7-4NOD	M105	\$7,554.04	\$7,654.94	
125	183	6	26.1	14.6	14.7	--	✓	SV0750IS7-4NOD	M105	\$9,169.69	\$9,270.59	
	223	7	30.9	20.1	16.7	✓ ⁴	✓	SV0900IS7-4SOD	M105	\$14,779.54	\$15,665.50	
150	264	7	30.9	20.1	16.7	✓ ⁴	✓	SV1100IS7-4SOD	M105	\$16,257.37	N/A	
	325	8	33.9	20.1	16.7	✓ ⁴	✓	SV1320IS7-4SOD	M105	\$18,201.56	N/A	
300	370	8	33.9	20.1	16.7	✓ ⁴	✓	SV1600IS7-4SOD	M105	\$19,913.18	N/A	
350	432	9	42.4	27.2	17.7	✓ ⁴	✓	SV1850IS7-4SOD	M105	\$26,813.83	N/A	
400	547	9	42.4	27.2	17.7	✓ ⁴	✓	SV2200IS7-4SOD	M105	\$27,573.04	N/A	
500	613	13	44.8	30.4	17.3	✓ ⁴	--	SV2800IS7-4S0	M105	\$42,608.52	N/A	
600	731	14	51.3	36.3	19.5	✓ ⁴	--	SV3150IS7-4S0	M105	\$54,636.66	N/A	
700	877	14	51.3	36.3	19.5	✓ ⁴	--	SV3750IS7-4S0	M105	\$60,646.42	N/A	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
2. Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
4. LCD Keypad

Warranty on pp. 201-205



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 600 HP
Volts: 240V / 480V
240V: 1 HP-40 HP | **480V:** 1 HP-600 HP
Enclosure: NEMA IPOO or NEMA 1

Drive: LS Electric iS7
Design: DC Choke Built-In
 High Performance Duty
Torque: Constant



VFD - Drive Chassis Only

NEMA IPOO or NEMA 1 / LS Electric iS7

Standard Features / Specifications

Standard Features

- -10°C—50°C CT
- 3-Phase input
- Sensorless vector or V/Hz control capable
- Fieldbus and closed loop options
- PID loop control capable with analog input
- Heat Sink Out of the Back Mounting Option (125 HP and Below)

Specifications

- 1 HP - 600 HP ratings in stock
- NEMA IPOO or NEMA 1
- UL listed

Power

- Constant/240V: 1 HP - 30 HP/ 480V: 1 HP - 600 HP

Warranty

- Two (2) year factory warranty

Applications

- Chassis / high performance

Constant Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	240V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IPOO		NEMA 1 ²	
1	5	1	11.2	5.9	7.9	--	✓	SV0008IS7-2NOFD	M105	\$1,167.74	\$1,214.50	
1.5	8	1	11.2	5.9	7.9	--	✓	SV0015IS7-2NOFD	M105	\$1,212.04	\$1,258.80	
2	8	1	11.2	5.9	7.9	--	✓	SV0015IS7-2NOFD	M105	\$1,212.04	\$1,258.80	
3	12	1	11.2	5.9	7.9	--	✓	SV0022IS7-2NOFD	M105	\$1,294.49	\$1,341.25	
5	16	1	11.2	5.9	7.9	--	✓	SV0037IS7-2NOFD	M105	\$1,463.06	\$1,509.82	
7.5	24	2	14	7.9	8.9	--	✓	SV0055IS7-2NOFD	M105	\$1,657.48	\$1,706.70	
10	32	2	14	7.9	8.9	--	✓	SV0075IS7-2NOFD	M105	\$2,373.63	\$2,422.85	
15	46	3	15.2	9.8	11.2	--	✓	SV0110IS7-2NOFD	M105	\$2,944.59	\$3,001.19	
20	60	3	15.2	9.8	11.2	--	✓	SV0150IS7-2NOFD	M105	\$3,618.90	\$3,675.50	
25	74	4	18.2	11	11.7	--	✓	SV0185IS7-2NOFD	M105	\$4,242.76	\$4,337.51	
30	88	4	18.2	11	11.7	--	✓	SV0220IS7-2NOFD	M105	\$5,360.06	\$5,454.81	

Constant Torque		Frame	Dimensions (inches)			Key Pad Built-In	DC Choke	480V		Mult. Symbol	List Price	
HP ¹	Amps		H	W	D			Model Number	IPOO		NEMA 1 ²	
1	2.5	1	11.2	5.9	7.9	--	✓	SV0008IS7-4NOFD	M105	\$1,216.96	\$1,263.72	
1.5	4	1	11.2	5.9	7.9	--	✓	SV0015IS7-4NOFD	M105	\$1,220.66	\$1,267.42	
2	4	1	11.2	5.9	7.9	--	✓	SV0015IS7-4NOFD	M105	\$1,220.66	\$1,267.42	
3	6	1	11.2	5.9	7.9	--	✓	SV0022IS7-4NOFD	M105	\$1,340.01	\$1,386.77	
5	8	1	11.2	5.9	7.9	--	✓	SV0037IS7-4NOFD	M105	\$1,552.89	\$1,599.65	
7.5	12	2	14	7.9	8.9	--	✓	SV0055IS7-4NOFD	M105	\$1,871.59	\$1,920.81	
10	16	2	14	7.9	8.9	--	✓	SV0075IS7-4NOFD	M105	\$2,296.11	\$2,345.33	
15	24	3	15.2	9.8	11.2	--	✓	SV0110IS7-4NOFD	M105	\$2,815.38	\$2,871.99	
20	30	3	15.2	9.8	11.2	--	✓	SV0150IS7-4NOFD	M105	\$3,157.46	\$3,214.07	
25	39	4	18.2	11	11.7	--	✓	SV0185IS7-4NOFD	M105	\$3,270.67	\$3,365.42	
30	45	4	18.2	11	11.7	--	✓	SV0220IS7-4NOFD	M105	\$4,134.48	\$4,229.23	
	40	61	23.4	11.8	11.9	--	✓	SV0300IS7-4NOD	M105	\$6,073.75	\$6,170.96	
50	75	5	23.4	11.8	11.9	--	✓	SV0370IS7-4NOD	M105	\$6,073.75	\$6,170.96	
60	91	5	23.4	11.8	11.9	--	✓	SV0450IS7-4NOD	M105	\$6,826.81	\$6,924.02	
75	110	6	26.1	14.6	14.7	--	✓	SV0550IS7-4NOD	M105	\$7,554.04	\$7,654.94	
100	152	6	26.1	14.6	14.7	--	✓	SV0750IS7-4NOD	M105	\$9,169.69	\$9,270.59	
125	183	7	30.9	20.1	16.7	✓ ⁴	✓	SV0900IS7-4SOD	M105	\$14,779.54	\$15,665.50	
	150	223	30.9	20.1	16.7	✓ ⁴	✓	SV1100IS7-4SOD	M105	\$16,257.37	N/A	
200	264	8	33.9	20.1	16.7	✓ ⁴	✓	SV1320IS7-4SOD	M105	\$18,201.56	N/A	
250	325	8	33.9	20.1	16.7	✓ ⁴	✓	SV1600IS7-4SOD	M105	\$19,913.18	N/A	
300	370	9	42.4	27.2	17.7	✓ ⁴	✓	SV1850IS7-4SOD	M105	\$26,813.83	N/A	
350	432	9	42.4	27.2	17.7	✓ ⁴	✓	SV2200IS7-4SOD	M105	\$27,573.04	N/A	
400	547	13	44.8	30.4	17.3	✓ ⁴	--	SV2800IS7-4S0	M105	\$42,608.52	N/A	
500	613	14	51.3	36.3	19.5	✓ ⁴	--	SV3150IS7-4S0	M105	\$54,636.66	N/A	
600	731	14	51.3	36.3	19.5	✓ ⁴	--	SV3750IS7-4S0	M105	\$60,646.42	N/A	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
2. Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
3. Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
4. LCD Keypad

Warranty on pp. 201-205



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 75 HP
Volts: 240V
Enclosure: NEMA 1

Drive: Siemens G120X
Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive
 Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 75 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)
 - Sensorless vector control (SLVC)

- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating
- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x IL for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x IH for 60s
- Communication: PROFINET, EtherNet I/P™

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
 - PID loop control capable with analog input
 - DC choke built-in
- Power**
- Variable 240V: 1 HP - 75 HP
 - Fundamental power factor (Cos ϕ): 0.96 - 0.99
- Warranty**
- Two (2) year warranty
- Options**
- I/O Extension module (LIST Price = \$400)
 - Smart Access Module (call for price)
 - USS, Modbus RTU, BACnet MS/TP (Call for price)
 - PROPFIBUS DP (Call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	240V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
1	4.2	17.4	4.4	9	G120X	FSA	6SL3220-3YC10-0UF0-NEMA1	M208	\$1,327.02	
1.5	6	17.4	4.4	9	G120X	FSA	6SL3220-3YC12-0UF0-NEMA1	M208	\$1,340.90	
2	7.4	17.4	4.4	9	G120X	FSA	6SL3220-3YC14-0UF0-NEMA1	M208	\$1,390.13	
3	10.4	17.4	5.2	9	G120X	FSB	6SL3220-3YC16-0UF0-NEMA1	M208	\$1,445.67	
4	13.6	17.4	5.2	9	G120X	FSB	6SL3220-3YC18-0UF0-NEMA1	M208	\$1,556.74	
5	17.5	17.4	5.2	9	G120X	FSB	6SL3220-3YC20-0UF0-NEMA1	M208	\$1,647.63	
7.5	22	18.6	6.7	9	G120X	FSC	6SL3220-3YC22-0UF0-NEMA1	M208	\$2,076.91	
10	28	18.6	6.7	9	G120X	FSC	6SL3220-3YC24-0UF0-NEMA1	M208	\$2,184.34	
15	42	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC26-0UF0-NEMA1	M208	\$3,234.96	
20	54	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC28-0UF0-NEMA1	M208	\$3,956.97	
25	68	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC30-0UF0-NEMA1	M208	\$4,704.89	
30	80	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC32-0UF0-NEMA1	M208	\$5,402.19	
40	104	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC34-0UF0-NEMA1	M208	\$6,646.31	
50	130	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC36-0UF0-NEMA1	M208	\$7,842.23	
60	154	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC38-0UF0-NEMA1	M208	\$9,202.93	
75	192	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC40-0UF0-NEMA1	M208	\$11,054.85	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 400 HP
Volts: 480V
Enclosure: NEMA 1

Drive: Siemens G120X
Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive

Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)
 - Sensorless vector control (SLVC)

- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating
- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x IL for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x IH for 60s
- Communication: PROFINET, EtherNet IP™

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
 - PID loop control capable with analog input
 - DC choke built-in
- Power**
- Variable 480V: 1 HP - 400 HP
 - Fundamental power factor (Cos ϕ): 0.96 - 0.99
- Warranty**
- Two (2) year warranty
- Options**
- I/O Extension module (LIST Price = \$400)
 - Smart Access Module (call for price)
 - USS, Modbus RTU, BACnet MS/TP (Call for price)
 - PROPFIBUS DP (Call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	480V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
1	2.1	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE10-0UF0-NEMA1	M208	\$993.78	
1.5	3	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE12-0UF0-NEMA1	M208	\$1,007.43	
2	3.4	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE14-0UF0-NEMA1	M208	\$1,053.41	
3	4.8	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE16-0UF0-NEMA1	M208	\$1,105.57	
4	6.2	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE18-0UF0-NEMA1	M208	\$1,211.17	
5	7.6	17.4	5.2	9.0	G120X	FSB	6SL3220-3YE20-0UF0-NEMA1	M208	\$1,296.88	
7.5	11	17.4	5.2	9.0	G120X	FSB	6SL3220-3YE22-0UF0-NEMA1	M208	\$1,402.46	
10	14	17.4	5.2	9.0	G120X	FSB	6SL3220-3YE24-0UF0-NEMA1	M208	\$1,612.40	
15	21	18.6	6.7	9.0	G120X	FSC	6SL3220-3YE26-0UF0-NEMA1	M208	\$1,947.79	
20	27	18.6	6.7	9.0	G120X	FSC	6SL3220-3YE28-0UF0-NEMA1	M208	\$2,408.66	
25	34	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE30-0UF0-NEMA1	M208	\$3,247.15	
30	40	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE32-0UF0-NEMA1	M208	\$3,809.87	
40	52	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE34-0UF0-NEMA1	M208	\$4,663.27	
50	65	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE36-0UF0-NEMA1	M208	\$5,517.91	
60	77	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE38-0UF0-NEMA1	M208	\$6,387.46	
75	96	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE40-0UF0-NEMA1	M208	\$7,671.91	
100	124	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE42-0UF0-NEMA1	M208	\$9,054.51	
125	156	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE44-0UF0-NEMA1	M208	\$10,731.49	
150	180	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE46-0UF0-NEMA1	M208	\$12,163.78	
200	240	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE48-0UF0-NEMA1	M208	\$13,583.61	
250	302	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE50-0CF0-NEMA1	M208	\$15,993.52	
300	361	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE52-0CF0-NEMA1	M208	\$18,407.12	
400	477	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE54-0CF0-NEMA1	M208	\$22,993.39	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 75 HP
Volts: 240V
Enclosure: NEMA 1

Drive: Siemens G120X
Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive
 Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 75 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)
- Sensorless vector control (SLVC)
- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating
- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x IL for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x IH for 60s
- Communication:USS, Modbus, RTU, BACnet MS / TP

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
- PID loop control capable with analog input
- DC choke built-in
- Power**
 - Variable 240V: 1 HP - 75 HP
 - Fundamental power factor (Cos ϕ): 0.96 - 0.99
- Warranty**
 - Two (2) year warranty
- Options**
 - I/O Extension Module (LIST Price = \$400)
 - Smart Access Module (call for price)
 - PROFINET, Ethernet I/P™
 - PROPFIBUS DP (call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	240V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
1	4.2	17.4	4.4	9	G120X	FSA	6SL3220-3YC10-OUB0-NEMA1	M208	\$1,327.02	
1.5	6	17.4	4.4	9	G120X	FSA	6SL3220-3YC12-OUB0-NEMA1	M208	\$1,340.90	
2	7.4	17.4	4.4	9	G120X	FSA	6SL3220-3YC14-OUB0-NEMA1	M208	\$1,387.74	
3	10.4	17.4	5.2	9	G120X	FSB	6SL3220-3YC16-OUB0-NEMA1	M208	\$1,445.67	
4	13.6	17.4	5.2	9	G120X	FSB	6SL3220-3YC18-OUB0-NEMA1	M208	\$1,556.74	
5	17.5	17.4	5.2	9	G120X	FSB	6SL3220-3YC20-OUB0-NEMA1	M208	\$1,647.63	
7.5	22	18.6	6.7	9	G120X	FSC	6SL3220-3YC22-OUB0-NEMA1	M208	\$2,076.91	
10	28	18.6	6.7	9	G120X	FSC	6SL3220-3YC24-OUB0-NEMA1	M208	\$2,184.34	
15	42	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC26-OUB0-NEMA1	M208	\$3,234.96	
20	54	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC28-OUB0-NEMA1	M208	\$3,956.97	
25	68	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC30-OUB0-NEMA1	M208	\$4,704.89	
30	80	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC32-OUB0-NEMA1	M208	\$5,402.19	
40	104	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC34-OUB0-NEMA1	M208	\$6,646.31	
50	130	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC36-OUB0-NEMA1	M208	\$7,842.23	
60	154	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC38-OUB0-NEMA1	M208	\$9,202.93	
75	192	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC40-OUB0-NEMA1	M208	\$11,054.85	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 400 HP
Volts: 480V
Enclosure: NEMA 1

Drive: Siemens G120X
Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive

Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)

- Sensorless vector control (SLVC)
- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating
- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x IL for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x IL for 60s
- Communication:USS, Modbus, RTU, BACnet MS / TP

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
 - PID loop control capable with analog input
 - DC choke built-in
- Power**
- Variable 480V: 1 HP - 400 HP
 - Fundamental power factor (Cos ϕ): 0.96 - 0.99

Warranty

- Two (2) year warranty

Options

- I/O Extension Module (LIST Price = \$400)
- Smart Access Module (call for price)
- PROFINET, Ethernet I/P™
- PROPFIBUS DP (call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	480V Model Number	Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D					
1	2.1	17.4	4.4	9	G120X	FSA	6SL3220-3YE10-0UB0-NEMA1	M208	\$994.77
1.5	3	17.4	4.4	9	G120X	FSA	6SL3220-3YE12-0UB0-NEMA1	M208	\$1,007.43
2	3.4	17.4	4.4	9	G120X	FSA	6SL3220-3YE14-0UB0-NEMA1	M208	\$1,058.36
3	4.8	17.4	4.4	9	G120X	FSA	6SL3220-3YE16-0UB0-NEMA1	M208	\$1,105.57
4	6.2	17.4	4.4	9	G120X	FSA	6SL3220-3YE18-0UB0-NEMA1	M208	\$1,211.17
5	7.6	17.4	5.2	9	G120X	FSB	6SL3220-3YE20-0UB0-NEMA1	M208	\$1,296.88
7.5	11	17.4	5.2	9	G120X	FSB	6SL3220-3YE22-0UB0-NEMA1	M208	\$1,402.46
10	14	17.4	5.2	9	G120X	FSB	6SL3220-3YE24-0UB0-NEMA1	M208	\$1,612.40
15	21	18.6	6.7	9	G120X	FSC	6SL3220-3YE26-0UB0-NEMA1	M208	\$1,947.79
20	27	18.6	6.7	9	G120X	FSC	6SL3220-3YE28-0UB0-NEMA1	M208	\$2,408.66
25	34	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE30-0UB0-NEMA1	M208	\$3,247.15
30	40	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE32-0UB0-NEMA1	M208	\$3,809.87
40	52	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE34-0UB0-NEMA1	M208	\$4,663.27
50	65	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE36-0UB0-NEMA1	M208	\$5,517.91
60	77	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE38-0UB0-NEMA1	M208	\$6,387.46
75	96	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE40-0UB0-NEMA1	M208	\$7,671.91
100	124	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE42-0UB0-NEMA1	M208	\$9,054.51
125	156	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE44-0UB0-NEMA1	M208	\$10,731.49
150	180	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE46-0UB0-NEMA1	M208	\$12,163.78
200	240	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE48-0UB0-NEMA1	M208	\$13,583.61
250	302	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE50-0CB0-NEMA1	M208	\$15,993.52
300	361	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE52-0CB0-NEMA1	M208	\$18,407.12
400	477	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE54-0CB0-NEMA1	M208	\$22,993.39

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

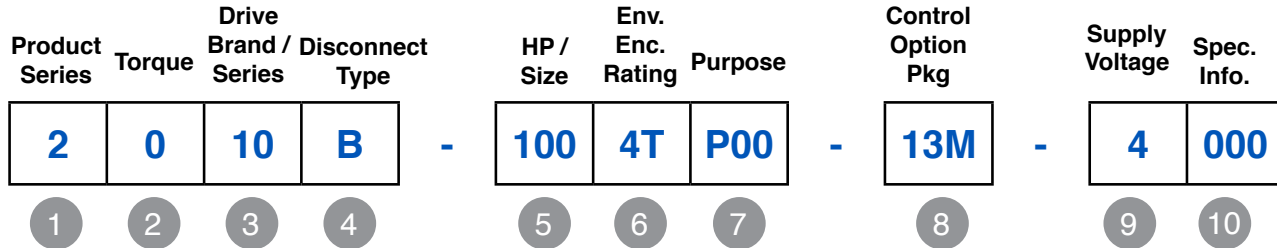
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Model Number Identifier

Variable Frequency Drive Panels - 2000 Series



Product Series

- 2 - Variable Frequency Drive (VFD)

Torque

- 0 - VT (110%) Normal Duty
1 - CT (150%) Heavy Duty
2 - Submersible
4 - Duplex

Drive Brand / Series

- 1x - LS Electric
10 - IS7
11 - G100
12 - H100
13 - S100
14 - S100 4X
5x - SIEMENS
50 - G120
55 - G120X
51 - G130

Disconnect Type

- B - Breaker
F - Fused
N - None

HP / Size

- 005 - 5
7P5 - 7.5 030 - 30
010 - 10 ...
015 - 15 ...
020 - 20 700 - 700

Env. Enc. Rating

- N1—NEMA 1
3R—NEMA 3R
FR—NEMA 3R Flanged
T2—NEMA 3R Tunnel
T3—NEMA 3R Flanged Tun
T4—NEMA 4 FL Tunnel 2
T5—NEMA 3R FL Tunnel 2
T6—N4X 304 SS FL Tun 2
T7—N4X 316 SS FL Tun 2
N4—NEMA 4
4T—NEMA 4/12
FT—NEMA 4/12 Flanged
4X—NEMA 4X 304 SS
FX—NEMA 4X 304 SS Flanged
4S—NEMA 4X 316 SS
FS—NEMA 4X 316 SS Flanged
4P—NEMA 4X Polycarbon
4F—NEMA 4 Flanged
42—NEMA 12
F2—NEMA 12 Flanged

Purpose

- P00 - General
P01 - Irrigation (IRR)
P02 - Positive Displacement Pump (PDP)
P1B - ReGen Avoidance
P1C - RenGen Drive
INT - Integrator
P18 - 18 Pulse

Control Option Pkg.

- E.g. 13M
• Hand/Off/Auto (HOA)
• Start Pushbutton
• 1 Turn Potentiometer
Other options available - Please refer to pp. 150-151 & 195-196, or contact us at 800-884-0404 for assistance.

Supply Voltage

- 1 - 208/3PH
2 - 240/3PH
4 - 480/3PH
5 - 575/3PH

Spec. Info.

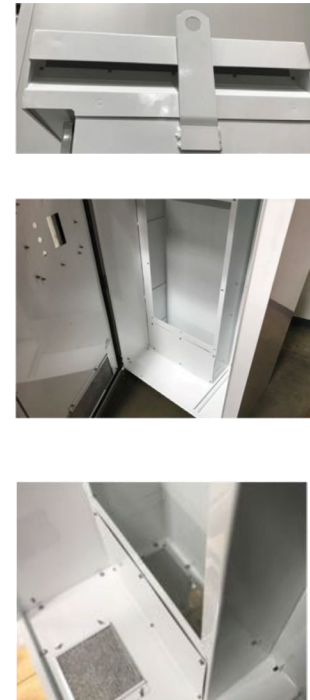
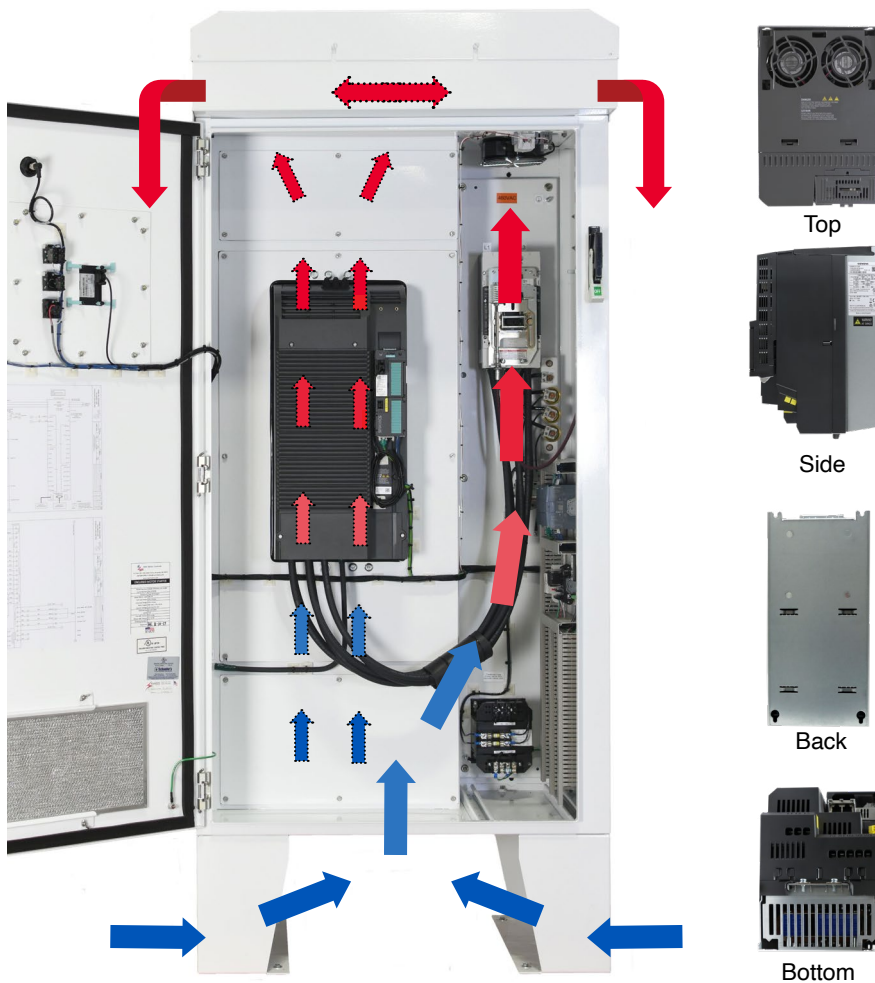
- 000—None
SPC—Special Instructions
065—High Visibility Status Light
☎— Multiple Options Available (pp. 150-151 & pp. 195-196)



Advanced Tunnel Design for Maximum Cooling

NAE's Vortex™ Cooling Tunnel is designed for select Variable Frequency Drive NEMA 3R Enclosures. This innovative design efficiently maximizes cooling of drive components and significantly reduces contamination inside the Enclosure.

Contact customer service at 800.884.0404 for more information



powered by
SIEMENS

Features:

- 53" and up
- NEMA 3R only
- 40°C / 104°F VT; 50°C / 122°F CT (V20 and G120)
- 45°C / 113°F VT and CT (G120X)
- Significantly reduces contaminants

HP: 1 HP - 150 HP
Volts: 480V / 1-Phase to 3-Phase
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: LS Electric S100 & iS7 Series
Torque: Variable



VFD - Economy Package

General Purpose Panel
 NEMA 3R / 1-Phase to 3-Phase
 LS Electric S100 & iS7 Series
 General Purpose Applications



Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (25 HP - 150 HP)
- Combination circuit breaker disconnect:
 - Through-Door (1 HP - 20 HP)
 - Flanged (25 HP - 150 HP)

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Drive configured utilizing V/Hz control⁵
 - Line side harmonic filtering including line reactor
- Surge suppressor
- Heavy duty lifting ears (10 HP - 150 HP)
- Leg stands included (25 HP - 150 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection

Applications

- Economy / General Purpose

Options

- Other options available
- 240V Available - 1 HP-60 HP - Call for Quote

HP ¹	Input Amps	Output Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	480V / 1 to 3 Phase		List Price
			H	W	D				Model Number	Mult. Symbol	
1	5.5	3	30	24	12	S100	LSLV0015S100-4EONNS	✓	2013B-0013RP00-25J-C-000	M110	\$6,525.43
1.5	7.5	3.9	30	24	12	S100	LSLV0022S100-4EONNS	✓	2013B-1P53RP00-25J-C-000	M110	\$6,651.21
2	7.5	3.9	30	24	12	S100	LSLV0022S100-4EONNS	✓	2013B-0023RP00-25J-C-000	M110	\$6,651.21
3	10.8	5.9	30	24	12	S100	LSLV0040S100-4EONNS	✓	2013B-0033RP00-25J-C-000	M110	\$6,688.02
5	17.5	9.5	30	24	12	S100	LSLV0055S100-4E0FNS	✓	2013B-0053RP00-25J-C-000	M110	\$7,143.59
7.5	25.4	14	30	24	12	S100	LSLV0075S100-4E0FNS	✓	2013B-7P53RP00-25J-C-000	M110	\$7,517.88
10	33.4	18	41	24	12	S100	LSLV0110S100-4E0FNS	✓	2013B-0103RP00-25J-C-000	M110	\$9,373.99
15	42.5	23	41	24	12	S100	LSLV0150S100-4E0FNS	✓	2013B-0153RP00-25J-C-000	M110	\$9,953.79
20	65.7	35	41	24	12	S100	LSLV0220S100-4E0FNS	✓	2013B-0203RP00-25J-C-000	M110	\$10,697.79
25	67.5	39	53	36	16	iS7	SV0300IS7-4NOD	✓	2010B-025T3P00-25J-C-000	M110	\$17,177.19
30	81.7	47	53	36	16	iS7	SV0370IS7-4NOD	✓	2010B-030T3P00-25J-C-000	M110	\$17,344.38
40	101.8	57	53	36	16	iS7	SV0450IS7-4NOD	✓	2010B-040T3P00-25J-C-000	M110	\$18,447.30
50	143.6	78	65	40	22	iS7	SV0550IS7-4NOD	✓	2010B-050T3P00-25J-C-000	M110	\$21,486.07
60	173.4	94	65	40	22	iS7	SV0750IS7-4NOD	✓	2010B-060T3P00-25J-C-000	M110	\$23,351.34
75	212.9	116	65	40	22	iS7	SV0900IS7-4SOD	✓	2010B-075T3P00-25J-C-000	M110	\$30,247.99
100	254.2	138	65	40	22	iS7	SV1100IS7-4SOD	✓	2010B-100T3P00-25J-C-000	M110	\$33,533.69
125	315.3	165	65	40	22	iS7	SV1320IS7-4SOD	✓	2010B-125T3P00-25J-C-000	M110	\$35,977.29
150	359.3	189	65	40	22	iS7	SV1600IS7-4SOD	✓	2010B-150T3P00-25J-C-000	M110	\$38,465.36

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
5. For Drive configuration utilizing sensorless vector control, please contact us at 800-884-0404 for assistance

Options on pp. 150-151
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: .5 HP - 125 HP
Volts: 480V / 1-Phase to 3-Phase
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: LS Electric S100 & iS7 Series
Torque: Constant



VFD - Economy Package

General Purpose Panel
 NEMA 3R / 1-Phase to 3-Phase
 LS Electric S100 & iS7 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- .5 HP - 125 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (20 HP - 125 HP)
- Combination circuit breaker disconnect:
 - Through-Door (.5 HP - 15 HP)
 - Flanged (7.5 HP - 125 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Drive configured utilizing V/Hz control⁵
 - Line side harmonic filtering including line reactor
- Surge suppressor
- Heavy duty lifting ears (7.5 HP - 125 HP)
- Leg stands included (20 HP - 125 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: .5 HP - 125 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection

Applications

- Economy / General Purpose

Options

- Other options available
- 240V Available - .5 HP-50 HP - Call for Quote

HP ¹	Input Amps	Output Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	480V / 1 to 3 Phase		Mult. Symbol	List Price
			H	W	D				Model Number			
0.5	2.4	1.5	30	24	12	S100	LSLV0008S100-4EONNS	✓	2113B-0P53RP00-25J-C-000	M110	\$6,459.47	
1	5.9	3.1	30	24	12	S100	LSLV0022S100-4EONNS	✓	2113B-0013RP00-25J-C-000	M110	\$6,671.15	
1.5	8.7	4.8	30	24	12	S100	LSLV0040S100-4EONNS	✓	2113B-1P53RP00-25J-C-000	M110	\$6,734.05	
2	8.7	4.8	30	24	12	S100	LSLV0040S100-4EONNS	✓	2113B-0023RP00-25J-C-000	M110	\$6,734.05	
3	9.8	5.4	30	24	12	S100	LSLV0040S100-4EONNS	✓	2113B-0033RP00-25J-C-000	M110	\$6,740.19	
5	17.5	9.5	30	24	12	S100	LSLV0075S100-4EONNS	✓	2113B-0053RP00-25J-C-000	M110	\$7,516.37	
7.5	26.5	15	41	24	12	S100	LSLV0110S100-4EONNS	✓	2113B-7P53RP00-25J-C-000	M110	\$9,426.12	
10	33.4	18	41	24	12	S100	LSLV0150S100-4EONNS	✓	2113B-0103RP00-25J-C-000	M110	\$9,947.67	
15	50.7	27	41	24	12	S100	LSLV0220S100-4EONNS	✓	2113B-0153RP00-25J-C-000	M110	\$10,584.28	
20	55.5	32	53	36	16	iS7	SV0300IS7-4NOD	✓	2110B-020T3P00-25J-C-000	M110	\$17,079.02	
25	67.9	39	53	36	16	iS7	SV0370IS7-4NOD	✓	2110B-025T3P00-25J-C-000	M110	\$17,177.19	
30	82.4	47	53	36	16	iS7	SV0450IS7-4NOD	✓	2110B-030T3P00-25J-C-000	M110	\$18,214.13	
40	102.6	57	65	40	22	iS7	SV0550IS7-4NOD	✓	2110B-040T3P00-25J-C-000	M110	\$21,196.14	
50	143.4	78	65	40	22	iS7	SV0750IS7-4NOD	✓	2110B-050T3P00-25J-C-000	M110	\$23,351.34	
60	174.7	95	65	40	22	iS7	SV0900IS7-4SOD	✓	2110B-060T3P00-25J-C-000	M110	\$29,761.71	
75	213.5	116	65	40	22	iS7	SV1100IS7-4SOD	✓	2110B-075T3P00-25J-C-000	M110	\$31,955.27	
100	255.6	134	65	40	22	iS7	SV1320IS7-4SOD	✓	2110B-100T3P00-25J-C-000	M110	\$35,774.82	
125	316.3	166	65	40	22	iS7	SV1600IS7-4SOD	✓	2110B-125T3P00-25J-C-000	M110	\$37,954.55	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
5. For Drive configuration utilizing sensorless vector control, please contact us at 800-884-0404 for assistance

Options on pp. 150-151
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V / 1-Phase to 3-Phase
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: LS Electric S100 & iS7 Series
Torque: Variable



VFD - Standard Package

General Purpose Panel
 NEMA 3R / 1-Phase to 3-Phase
 LS Electric S100 & iS7 Series
 General Purpose Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with window lockable metal cover (Solid 1 HP - 20 HP; Windowed 25 HP - 150 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (25 HP - 150 HP)

- Combination circuit breaker disconnect:
 - Through-Door (1 HP - 20 HP)
 - Flanged (25 HP - 150 HP)
- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Drive configured utilizing V/Hz control⁵
 - Line side harmonic filtering including line reactor
- Surge suppressor
- Heavy duty lifting ears (10 HP - 150 HP)
- Leg stands included (25 HP - 150 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection

Applications

- Standard / General Purpose

Options

- Other options available
- 240V Available - 1 HP-60 HP - Call for Quote

HP ¹	Input Amps	Output Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	480V		Mult. Symbol	List Price
			H	W	D				Model Number			
1	5.5	3	30	24	12	S100	LSLV0015S100-4EONNS	✓	2013B-0013RP00-26K-C-000	M110	\$8,176.27	
1.5	7.5	3.9	30	24	12	S100	LSLV0022S100-4EONNS	✓	2013B-1P53RP00-26K-C-000	M110	\$8,302.03	
2	7.5	3.9	30	24	12	S100	LSLV0022S100-4EONNS	✓	2013B-0023RP00-26K-C-000	M110	\$8,302.03	
3	10.8	5.9	30	24	12	S100	LSLV0037S100-4EONNS	✓	2013B-0033RP00-26K-C-000	M110	\$8,338.87	
5	17.5	9.5	30	24	12	S100	LSLV0055S100-4EONNS	✓	2013B-0053RP00-26K-C-000	M110	\$8,794.43	
7.5	25.4	14	30	24	12	S100	LSLV0075S100-4EONNS	✓	2013B-7P53RP00-26K-C-000	M110	\$9,168.72	
10	33.4	18	41	24	12	S100	LSLV0110S100-4EONNS	✓	2013B-0103RP00-26K-C-000	M110	\$11,024.80	
15	42.5	23	41	24	12	S100	LSLV0150S100-4EONNS	✓	2013B-0153RP00-26K-C-000	M110	\$11,604.63	
20	65.7	35	41	24	12	S100	LSLV0220S100-4EONNS	✓	2013B-0203RP00-26K-C-000	M110	\$12,348.62	
25	67.5	39	53	36	16	iS7	SV0300IS7-4NOD	✓	2010B-025T3P00-23S-C-000	M110	\$18,828.01	
30	81.7	47	53	36	16	iS7	SV0370IS7-4NOD	✓	2010B-030T3P00-23S-C-000	M110	\$18,995.22	
40	101.8	57	53	36	16	iS7	SV0450IS7-4NOD	✓	2010B-040T3P00-23S-C-000	M110	\$20,098.15	
50	143.6	78	65	40	22	iS7	SV0550IS7-4NOD	✓	2010B-050T3P00-23S-C-000	M110	\$23,136.88	
60	173.4	94	65	40	22	iS7	SV0750IS7-4NOD	✓	2010B-060T3P00-23S-C-000	M110	\$25,002.18	
75	212.9	116	65	40	22	iS7	SV0900IS7-4SOD	✓	2010B-075T3P00-23S-C-000	M110	\$31,898.83	
100	254.2	138	65	40	22	iS7	SV1100IS7-4SOD	✓	2010B-100T3P00-23S-C-000	M110	\$35,184.53	
125	315.3	165	65	40	22	iS7	SV1320IS7-4SOD	✓	2010B-125T3P00-23S-C-000	M110	\$37,628.14	
150	359.3	189	65	40	22	iS7	SV1600IS7-4SOD	✓	2010B-150T3P00-23S-C-000	M110	\$40,116.18	

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For Drive configuration utilizing sensorless vector control, please contact us at 800-884-0404 for assistance

Options on pp. 150-151
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: .5 HP - 125 HP
Volts: 480V / 1-Phase to 3-Phase
Enclosure: NEMA 3

Disconnect: Combination Circuit Breaker
Drive: LS Electric S100 & iS7 Series
Torque: Constant



VFD - Standard Package

General Purpose Panel
 NEMA 3R / 1-Phase to 3-Phase
 LS Electric S100 & iS7 Series
 General Purpose Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- .5 HP - 125 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (20 HP - 125 HP)

- Combination circuit breaker disconnect:
 - Through-Door (.5 HP - 15 HP)
 - Flanged (7.5 HP - 125 HP)
- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Drive configured utilizing V/Hz control⁵
 - Line side harmonic filtering including line reactor
- Surge suppressor
- Heavy duty lifting ears (7.5 HP - 125 HP)
- Leg stands included (20 HP - 125 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: .5 HP - 125 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection

Applications

- Standard / General Purpose

Options

- Other options available
- 240V Available - .5 HP-50 HP - Call for Quote

HP ¹	Input Amps	Output Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	240V / 1-Phase to 3-Phase		List Price
			H	W	D				Model Number	Mult. Symbol	
0.5	2.4	1.5	30	24	12	S100	LSLV0008S100-4EONNS	✓	2113B-0P53RP00-26K-C-000	M110	\$8,110.30
1	5.9	3.1	30	24	12	S100	LSLV0022S100-4EONNS	✓	2113B-0013RP00-26K-C-000	M110	\$8,321.98
1.5	8.7	4.8	30	24	12	S100	LSLV0037S100-4EONNS	✓	2113B-1P53RP00-26K-C-000	M110	\$8,384.89
2	8.7	4.8	30	24	12	S100	LSLV0037S100-4EONNS	✓	2113B-0023RP00-26K-C-000	M110	\$8,384.89
3	9.8	5.4	30	24	12	S100	LSLV0040S100-4EONNS	✓	2113B-0033RP00-26K-C-000	M110	\$8,391.02
5	17.5	9.5	30	24	12	S100	LSLV0075S100-4EOFNS	✓	2113B-0053RP00-26K-C-000	M110	\$9,167.18
7.5	26.5	15	41	24	12	S100	LSLV0110S100-4EOFNS	✓	2113B-7P53RP00-26K-C-000	M110	\$11,076.97
10	33.4	18	41	24	12	S100	LSLV0150S100-4EOFNS	✓	2113B-0103RP00-26K-C-000	M110	\$11,598.51
15	50.7	27	41	24	12	S100	LSLV0220S100-4EOFNS	✓	2113B-0153RP00-26K-C-000	M110	\$12,235.11
20	55.5	32	53	36	16	iS7	SV0300IS7-4NOD	✓	2110B-020T3P00-26K-C-000	M110	\$18,729.85
25	67.9	39	53	36	16	iS7	SV0370IS7-4NOD	✓	2110B-025T3P00-26K-C-000	M110	\$18,828.01
30	82.4	47	53	36	16	iS7	SV0450IS7-4NOD	✓	2110B-030T3P00-26K-C-000	M110	\$19,864.96
40	102.6	57	65	40	22	iS7	SV0550IS7-4NOD	✓	2110B-040T3P00-26K-C-000	M110	\$22,846.97
50	143.4	78	65	40	22	iS7	SV0750IS7-4NOD	✓	2110B-050T3P00-26K-C-000	M110	\$25,002.18
60	174.7	95	65	40	22	iS7	SV0900IS7-4NOD	✓	2110B-060T3P00-26K-C-000	M110	\$31,412.56
75	213.5	116	65	40	22	iS7	SV1100IS7-4SOD	✓	2110B-075T3P00-26K-C-000	M110	\$33,606.09
100	255.6	134	65	40	22	iS7	SV1320IS7-4SOD	✓	2110B-100T3P00-26K-C-000	M110	\$37,425.66
125	316.3	166	65	40	22	iS7	SV1600IS7-4SOD	✓	2110B-125T3P00-26K-C-000	M110	\$39,605.38

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
5. For Drive configuration utilizing sensorless vector control, please contact us at 800-884-0404 for assistance

Options on pp. 150-151
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

VARIABLE FREQUENCY DRIVE (VFD) PANEL OPTIONS

2000 SERIES	LS ELECTRIC - VARIABLE FREQUENCY DRIVE (VFD) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
PUSHBUTTONS		
004	Start Pushbutton	\$171.40
005	Stop Pushbutton	\$171.40
043	Start / Stop Pushbutton	\$234.74
007	Jog Pushbutton	\$171.40
009	Raised Pushbutton - Specify Color and Function	\$171.40
010	Flush Pushbutton - Specify Color and Function	\$188.79
011	Mushroom Type Pushbutton - Specify Color and Function	\$262.69
012	Illuminated Pushbutton - Specify Color and Function	\$345.28
008	Soft Start or VFD Chassis Reset Pushbutton	\$171.40
PILOT LIGHTS (REQUIRES TRANSFORMER)		
006	Run Light	\$197.48
013	Stop Light	\$197.48
023	Power On Light	\$197.48
014	Fault Light	\$197.48
015	Ready Light	\$197.48
016	Bypass Light	\$197.48
017	Red Light - Specify Function	\$197.48
018	Green Light - Specify Function	\$197.48
019	Amber Light - Specify Function	\$197.48
020	White Light - Specify Function	\$197.48
021	Blue Light - Specify Function	\$197.48
022	Push to Test Contact Assembly	\$197.48
065	High Visibility Status Light (PLC may required for complete functionality)	\$309.26
SELECTOR SWITCHES		
024	Hand/Off/Auto / HOA Selector Switch	\$247.78
025	Local - Off - Remote Selector Switch	\$247.78
026	Key Operated Hand - Off - Auto Selector Switch	\$409.86
002	Two Position Selector Switch - Specify Function	\$201.21
003	Three Position Selector Switch - Specify Function	\$244.06
027	Other Selector Switch - Specify Function and Type	☎
METERS (REQUIRES TRANSFORMER)		
028	Ammeter	\$396.20
029	Voltmeter	\$396.20
030	Elapsed Time Meter	\$293.12
031	Other Power Metering - Specify Function	☎
TIMERS (REQUIRES TRANSFORMER)		
037	24/7 Programmable Timer	\$149.04
116	0-10 Minute Restart (Back Spin) Timer	\$186.30
156	Percentage Timer	\$517.50
OTHER DOOR MOUNTED OPTIONS		
044	Door Mounted Keypad	\$316.71
045	Lockable Metal Protective Cover (Solid) for Door Mounted Keypad	\$658.26
055	Lockable Metal Protective Cover (Windowed) for Door Mounted Keypad	\$658.26
066	Plastic Protective Cover (NEMA 4X/IP66) for Door Mounted Keypad	\$670.68
ADVANCED FAULT/ STATUS MONITORING OPTIONS		
110	Stack / Tower Light - 360° Visibility (Red / Yellow / Green) w/ 6' Cable	\$894.24
040	Murphy Switch Interface W/ Fault Recall Function	\$1978.51
067	Siemens SIMATIC HMI TP 700, Touch Operation, 7" Widescreen-TFT-Display3 (PLC Required)	\$3129.84
156	LS Electric HMI eXP40-TTA, Touch Operation, 7" Widescreen-TFT-Display3 (PLC Required)	\$1974.78
052	Two Way Cellular Communication & Functionality	☎
061	Cloud Based Remote Monitoring	☎
PROGRAMMABLE RELAY OPTIONS		
150	PLC-6ES72121HE400XB0 - SIMATIC S7-1200, CPU 1212C - (Includes Power Supply Module)	\$378.81
151	PROG-RELAY-LRE08RA240 - Expansion Module, Programmable Relay	\$204.93
PROGRAMMABLE LOGIC CONTROLLERS (PLC) OPTIONS		
152	PLC-6ES72121HE400XB0 - SIMATIC S7-1200, CPU 1212C - (Includes Power Supply Module)	\$647.09
153	PLC-6ES72141HE400XB0 - SIMATIC S7-1200, CPU 1214C - (Includes Power Supply Module)	\$885.55
154	PLC-6ES72231PH320XB0 - S7-1200 Expansion Module, Digital Input	\$340.31
155	PLC-6ES72314HA300XB0 - SIMATIC S7-1200, CPU Analog Input	\$162.71



2000 SERIES	LS ELECTRIC - VARIABLE FREQUENCY DRIVE (VFD) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
SENSOR OPTIONS		
100	4-Wire Micro DC Cord Set, Straight Connector, Coupling Nut, Black PUR Jacket, 5 Meter	\$56.70
101	4-Wire Micro DC Cord Set, Straight Connector, Coupling Nut, Gray PUR Jacket, 10 Meter	\$74.55
102	Pressure Transducer, 0 - 100 PSI, 4-Pin Micro DC Connector (Transducer Cord Required; e.g. Option 100 or 101)	\$930.30
103	Pressure Transducer, 0 - 200 PSI, 4-Pin Micro DC Connector (Transducer Cord Required; e.g. Option 100 or 101)	\$930.30
104	Pressure Transducer, 0 - 250 PSI, 4-Pin Micro DC Connector (Transducer Cord Required; e.g. Option 100 or 101)	\$930.30
105	Pressure Transducer, 0 - 500 PSI, 4-Pin Micro DC Connector (Transducer Cord Required; e.g. Option 100 or 101)	\$930.30
106	Level Transducer	☎
FUSES		
-	We Stock Fuses (including VFD High Speed) for Convenience. Please Call for Pricing.	☎
SPACE HEATERS		
034	Space Heater w/ Thermostat	\$529.10
PROTECTION MECHANISMS		
041	Surge Suppressor	\$381.30
115	SymCom MotorSaver® Model 460	\$253.37
064	dV / dT Filters	☎
062	IEEE 519 Passive Harmonic Filter	☎
063	"Lightning and Surge" Protection (pp. 203 - 204) - All panels will include line side lightning, surge and severe over voltage protection, which comprises one (1) additional year of warranty coverage on the entire panel. In addition, all Soft Starter & VFD panels will include load side single phasing, phase reversal and voltage unbalance protection, and are eligible for NAE's "No Hassle" Chassis Exchange Program	\$1,552.50
MAIN LINE ONLY BOXES		
070	Main Line Only Box: 20" Tall, 16" Wide , 12" Depth	\$2,234.36
071	Main Line Only Box: 20" Tall, 20" Wide , 12" Depth	\$2,979.56
072	Main Line Only Box: 20" Tall, 24" Wide , 12" Depth	\$6,953.96
FLOOR STANDS		
SPFSK-624-W	2 Legs; 6" Tall, 24" Depth	\$372.60
SPFSK-1212-W	2 Legs; 12" Tall, 12" Depth	\$276.97
SPFSK-1214-W	2 Legs; 12" Tall, 14" Depth	\$310.50
SPFSK-1216-W	2 Legs; 12" Tall, 16" Depth	\$310.50
SPFSK-1220-W	2 Legs; 12" Tall, 20" Depth	\$342.80
SPFSK-1224-W	2 Legs; 12" Tall, 24" Depth	\$372.60

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

MOTOR CONTROLS PANEL CUSTOMIZATION MADE EASY

NAE Motor Controls offers customers the ability to custom configure and order their control panel to meet their specific needs and have it shipped quickly.



HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



1 HP - 10 HP



15 HP - 50 HP



60 HP - 700 HP



powered by
SIEMENS



VFD - Economy Package

General Purpose Panel
 NEMA 3R / Siemens G120X Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully gasketed
- Vortex Cooling Tunnel design for maximum cooling (43° C / 113° F) (60 HP - 400 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 50 HP)
 - Flanged (60 HP - 700 HP)

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (15 HP - 700 HP)
- Leg stands included (60 HP - 400 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0013RP00-25J-4-000	M220	\$5,464.21	
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P53RP00-25J-4-000	M220	\$5,480.70	
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0023RP00-25J-4-000	M220	\$5,536.66	
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0033RP00-25J-4-000	M220	\$5,600.92	
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0053RP00-25J-4-000	M220	\$5,826.52	
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P53RP00-25J-4-000	M220	\$5,956.61	
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0103RP00-25J-4-000	M220	\$6,215.16	
15	21	41	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0153RP00-25J-4-000	M220	\$7,911.63	
20	27	41	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0203RP00-25J-4-000	M220	\$8,530.62	
25	34	47	24	14	G120X	6SL32203YE300UF0	--	✓	2055B-0253RP00-25J-4-000	M220	\$9,621.93	
30	40	47	24	14	G120X	6SL32203YE320UF0	--	✓	2055B-0303RP00-25J-4-000	M220	\$10,127.61	
40	52	47	24	14	G120X	6SL32203YE340UF0	--	✓	2055B-0403RP00-25J-4-000	M220	\$10,708.63	
50	65	47	24	14	G120X	6SL32203YE360UF0	--	✓	2055B-0503RP00-25J-4-000	M220	\$15,790.31	
60	77	53	36	20	G120X	6SL32203YE380UF0	--	✓	2055B-0603RP00-25J-4-000	M220	\$15,896.94	
75	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2055B-0753RP00-25J-4-000	M220	\$17,136.19	
100	124	53	36	20	G120X	6SL32203YE420UF0	--	✓	2055B-100T3P00-25J-4-000	M220	\$18,886.98	
125	156	53	36	20	G120X	6SL32203YE440UF0	--	✓	2055B-125T3P00-25J-4-000	M220	\$20,815.02	
150	180	53	36	20	G120X	6SL32203YE460UF0	--	✓	2055B-150T3P00-25J-4-000	M220	\$27,627.98	
200	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2055B-200T3P00-25J-4-000	M220	\$31,649.78	
250	302	65	40	22	G120X	6SL32203YE500CF0	--	✓	2055B-250T3P00-25J-4-000	M220	\$33,850.17	
300	361	65	40	22	G120X	6SL32203YE520CF0	--	✓	2055B-300T3P00-25J-4-000	M220	\$35,893.47	
350	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-350T3P00-25J-4-000	M220	\$46,004.86	
400	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-400T3P00-25J-4-000	M220	\$48,754.94	
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450FRP00-25J-4-000	M220	\$70,423.55	
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500FRP00-25J-4-000	M220	\$81,604.48	
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600FRP00-25J-4-000	M220	\$100,215.54	
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700FRP00-25J-4-000	M220	\$112,940.99	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Economy Package

General Purpose Panel
 NEMA 3R / Siemens G120X Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45°C/ 113°F) (50 HP - 300 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 500 HP)

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (10 HP - 500 HP)
- Leg stands included (50 HP- 300 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-0013RP00-25J-4-000	M220	\$5,477.39
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P53RP00-25J-4-000	M220	\$5,531.73
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-0023RP00-25J-4-000	M220	\$5,594.33
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-0033RP00-25J-4-000	M220	\$5,719.47
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-0053RP00-25J-4-000	M220	\$5,945.10
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P53RP00-25J-4-000	M220	\$6,193.78
10	14	41	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0103RP00-25J-4-000	M220	\$7,887.97
15	21	41	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0153RP00-25J-4-000	M220	\$8,497.50
20	27	47	24	14	G120X	6SL32203YE300UF0	--	✓	2155B-0203RP00-25J-4-000	M220	\$9,621.93
25	34	47	24	14	G120X	6SL32203YE320UF0	--	✓	2155B-0253RP00-25J-4-000	M220	\$10,047.70
30	40	47	24	14	G120X	6SL32203YE340UF0	--	✓	2155B-0303RP00-25J-4-000	M220	\$10,548.76
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP00-25J-4-000	M220	\$14,349.33
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-050T3P00-25J-4-000	M220	\$15,790.31
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-060T3P00-25J-4-000	M220	\$16,796.10
75	96	65	40	22	G120X	6SL32203YE420UF0	--	✓	2155B-075T3P00-25J-4-000	M220	\$18,804.85
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100T3P00-25J-4-000	M220	\$20,815.02
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125T3P00-25J-4-000	M220	\$26,973.78
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150T3P00-25J-4-000	M220	\$29,338.45
200	240	65	40	22	G120X	6SL32203YE500CF0	--	✓	2155B-200T3P00-25J-4-000	M220	\$33,458.20
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-250T3P00-25J-4-000	M220	\$35,888.25
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-300T3P00-25J-4-000	M220	\$43,483.13
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350FRP00-25J-4-000	M220	\$64,323.85
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400FRP00-25J-4-000	M220	\$83,358.84
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450FRP00-25J-4-000	M220	\$83,358.84
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500FRP00-25J-4-000	M220	\$99,668.54

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



1 HP - 30 HP



40 HP - 50 HP



60 HP - 200 HP



VFD - Economy Package

General Purpose Panel
 NEMA 3R / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (60 HP - 200 HP)
- Combination circuit breaker disconnect:
 - Through-Door (1 HP - 50 HP)
 - Flanged (60 HP - 200 HP)

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (40 HP - 200 HP)
- Leg stands included (60 HP - 200 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-0013RP00-25J-4-000	M230	☞	
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P53RP00-25J-4-000	M230	☞	
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-0023RP00-25J-4-000	M230	☞	
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-0033RP00-25J-4-000	M230	☞	
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-0053RP00-25J-4-000	M230	☞	
7.5	13.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P53RP00-25J-4-000	M230	☞	
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-0103RP00-25J-4-000	M230	☞	
15	26	30	24	12	G120	6SL32101PE227UL0	✓	--	2050B-0153RP00-25J-4-000	M230	☞	
20	32	30	24	12	G120	6SL32101PE233UL0	✓	--	2050B-0203RP00-25J-4-000	M230	☞	
25	38	36	24	12	G120	6SL32101PE238UL0	✓	--	2050B-0253RP00-25J-4-000	M230	☞	
30	45	36	24	12	G120	6SL32101PE245UL0	--	✓	2050B-0303RP00-25J-4-000	M230	☞	
40	75	47	24	14	G120	6SL32101PE275UL0	--	✓	2050B-0403RP00-25J-4-000	M230	☞	
50	75	47	24	14	G120	6SL32101PE275UL0	--	✓	2050B-0503RP00-25J-4-000	M230	\$17,710.95	
60	90	53	36	16	G120	6SL32101PE288UL0	--	✓	2050B-0603RP00-25J-4-000	M230	\$21,201.97	
75	110	53	36	16	G120	6SL32101PE311UL0	--	✓	2050B-0753RP00-25J-4-000	M230	\$23,003.40	
100	145	53	36	20	G120	6SL32101PE315UL0	--	✓	2050B-1003RP00-25J-4-000	M230	\$26,437.75	
125	178	53	36	20	G120	6SL32101PE318UL0	--	✓	2050B-1253RP00-25J-4-000	M230	\$29,014.25	
150	205	53	36	20	G120	6SL32101PE321UL0	--	✓	2050B-1503RP00-25J-4-000	M230	\$31,820.58	
200	250	53	36	20	G120	6SL32101PE325UL0	--	✓	2050B-2003RP00-25J-4-000	M230	\$36,595.26	

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



1 HP - 30 HP



40 HP



50 HP - 150 HP

powered by
SIEMENS



VFD - Economy Package

General Purpose Panel
 NEMA 3R / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 150 HP)

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (40 HP - 150 HP)
- Leg stands included (50 HP- 150 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-0013RP00-25J-4-000	M230	\$
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P53RP00-25J-4-000	M230	\$
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-0023RP00-25J-4-000	M230	\$
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-0033RP00-25J-4-000	M230	\$
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-0053RP00-25J-4-000	M230	\$
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P53RP00-25J-4-000	M230	\$
10	18	30	24	12	G120	6SL32101PE227UL0	✓	--	2150B-0103RP00-25J-4-000	M230	\$
15	26	30	24	12	G120	6SL32101PE233UL0	✓	--	2150B-0153RP00-25J-4-000	M230	\$
20	32	30	24	12	G120	6SL32101PE238UL0	--	✓	2150B-0203RP00-25J-4-000	M230	\$
25	38	36	24	12	G120	6SL32101PE245UL0	--	✓	2150B-0253RP00-25J-4-000	M230	\$
30	45	36	24	12	G120	6SL32101PE260UL0	--	✓	2150B-0303RP00-25J-4-000	M230	\$
40	60	47	24	14	G120	6SL32101PE275UL0	--	✓	2150B-0403RP00-25J-4-000	M230	\$
50	75	53	36	16	G120	6SL32101PE288UL0	--	✓	2150B-050T3P00-25J-4-000	M230	\$21,105.47
60	90	53	36	16	G120	6SL32101PE311UL0	--	✓	2150B-060T3P00-25J-4-000	M230	\$23,003.40
75	110	65	36	20	G120	6SL32101PE315UL0	--	✓	2150B-075T3P00-25J-4-000	M230	\$26,304.48
100	145	53	36	20	G120	6SL32101PE318UL0	--	✓	2150B-100T3P00-25J-4-000	M230	\$29,014.25
125	178	53	36	20	G120	6SL32101PE321UL0	--	✓	2150B-125T3P00-25J-4-000	M230	\$31,333.45
150	205	53	36	20	G120	6SL32101PE325UL0	--	✓	2150B-150T3P00-25J-4-000	M230	\$34,139.74

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Economy Package

General Purpose Panel
 NEMA 12 / Siemens G120X Series
 General Purpose Applications



powered by
SIEMENS



Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure / Fully Gasketed
- Advanced design for maximum cooling
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 75 HP)
 - Flanged (100 HP - 700 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-00142P00-25J-4-000	M220	\$5,429.76
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P542P00-25J-4-000	M220	\$5,445.77
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-00242P00-25J-4-000	M220	\$5,501.71
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-00342P00-25J-4-000	M220	\$5,567.27
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-00542P00-25J-4-000	M220	\$5,792.71
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P542P00-25J-4-000	M220	\$5,925.42
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-01042P00-25J-4-000	M220	\$6,186.04
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-01542P00-25J-4-000	M220	\$7,839.00
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-02042P00-25J-4-000	M220	\$8,489.22
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-02542P00-25J-4-000	M220	\$9,575.98
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-03042P00-25J-4-000	M220	\$10,078.86
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-04042P00-25J-4-000	M220	\$10,656.38
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-05042P00-25J-4-000	M220	\$15,713.73
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-06042P00-25J-4-000	M220	\$15,820.04
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-07542P00-25J-4-000	M220	\$17,044.19
100	124	60	37	16	G120X	6SL32203YE420UF0	--	✓	2055B-100F2P00-25J-4-000	M220	\$18,787.34
125	156	60	37	16	G120X	6SL32203YE440UF0	--	✓	2055B-125F2P00-25J-4-000	M220	\$20,706.81
150	180	60	37	16	G120X	6SL32203YE460UF0	--	✓	2055B-150F2P00-25J-4-000	M220	\$27,482.24
200	240	60	37	16	G120X	6SL32203YE480UF0	--	✓	2055B-200F2P00-25J-4-000	M220	\$31,483.41
250	302	84	40	24	G120X	6SL32203YE500CF0	--	✓	2055B-250F2P00-25J-4-000	M220	\$33,675.67
300	361	84	40	24	G120X	6SL32203YE520CF0	--	✓	2055B-300F2P00-25J-4-000	M220	\$35,708.43
350	477	84	40	24	G120X	6SL32203YE540CF0	--	✓	2055B-350F2P00-25J-4-000	M220	\$45,733.77
400	477	84	40	24	G120X	6SL32203YE540CF0	--	✓	2055B-400F2P00-25J-4-000	M220	\$48,468.69
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450F2P00-25J-4-000	M220	\$67,297.99
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500F2P00-25J-4-000	M220	\$78,153.25
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600F2P00-25J-4-000	M220	\$95,863.68
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700F2P00-25J-4-000	M220	\$108,203.52

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



VFD - Economy Package

General Purpose Panel

NEMA 12 / Siemens G120X Series

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 12 / heavy duty Enclosure
- Advanced design for maximum cooling
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 60 HP)
 - Flanged (75 HP - 500 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Advanced design for maximum cooling
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-00142P00-25J-4-000	M220	\$5,442.57	
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P542P00-25J-4-000	M220	☎	
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-00242P00-25J-4-000	M220	\$5,557.69	
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-00342P00-25J-4-000	M220	\$5,682.38	
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-00542P00-25J-4-000	M220	\$5,907.82	
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P542P00-25J-4-000	M220	\$6,155.67	
10	14	30	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-01042P00-25J-4-000	M220	\$7,803.75	
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-01542P00-25J-4-000	M220	\$8,455.65	
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-02042P00-25J-4-000	M220	\$9,575.98	
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-02542P00-25J-4-000	M220	\$9,998.28	
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-03042P00-25J-4-000	M220	\$10,498.20	
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-04042P00-25J-4-000	M220	\$14,314.72	
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-05042P00-25J-4-000	M220	\$15,713.73	
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-06042P00-25J-4-000	M220	\$16,714.03	
75	96	60	37	16	G120X	6SL32203YE420UF0	--	✓	2155B-075F2P00-25J-4-000	M220	\$18,704.82	
100	124	60	37	16	G120X	6SL32203YE440UF0	--	✓	2155B-100F2P00-25J-4-000	M220	\$20,705.41	
125	156	60	37	16	G120X	6SL32203YE460UF0	--	✓	2155B-125F2P00-25J-4-000	M220	\$26,835.88	
150	180	60	37	16	G120X	6SL32203YE480UF0	--	✓	2155B-150F2P00-25J-4-000	M220	\$29,184.82	
200	240	84	40	24	G120X	6SL32203YE500CF0	--	✓	2155B-200F2P00-25J-4-000	M220	\$33,282.55	
250	302	84	40	24	G120X	6SL32203YE520CF0	--	✓	2155B-250F2P00-25J-4-000	M220	\$35,713.42	
300	361	84	40	24	G120X	6SL32203YE540CF0	--	✓	2155B-300F2P00-25J-4-000	M220	\$43,261.69	
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350F2P00-25J-4-000	M220	\$61,427.57	
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400F2P00-25J-4-000	M220	\$79,564.49	
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450F2P00-25J-4-000	M220	\$79,565.86	
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500F2P00-25J-4-000	M220	\$95,400.52	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



HP: 1 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



VFD - Economy Package

General Purpose Panel
 NEMA 12 / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure
- Advanced design for maximum cooling
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 75)
 - Flanged (100 HP - 200 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	10	G120	6SL32101PE123UL1	✓	--	2050B-00142P00-25J-4-000	M230	☞
1.5	3.1	30	24	10	G120	6SL32101PE132UL1	✓	--	2050B-1P542P00-25J-4-000	M230	☞
2	4.1	30	24	10	G120	6SL32101PE143UL1	✓	--	2050B-00242P00-25J-4-000	M230	☞
3	5.9	30	24	10	G120	6SL32101PE161UL1	✓	--	2050B-00342P00-25J-4-000	M230	☞
5	10.2	30	24	10	G120	6SL32101PE211UL0	✓	--	2050B-00542P00-25J-4-000	M230	☞
7.5	13.2	30	24	10	G120	6SL32101PE214UL0	✓	--	2050B-7P542P00-25J-4-000	M230	☞
10	18	30	24	10	G120	6SL32101PE218UL0	✓	--	2050B-01042P00-25J-4-000	M230	☞
15	26	36	24	12	G120	6SL32101PE227UL0	✓	--	2050B-01542P00-25J-4-000	M230	☞
20	32	36	24	12	G120	6SL32101PE233UL0	✓	--	2050B-02042P00-25J-4-000	M230	☞
25	38	48	36	16	G120	6SL32101PE238UL0	✓	--	2050B-02542P00-25J-4-000	M230	☞
30	45	48	36	16	G120	6SL32101PE245UL0	--	✓	2050B-03042P00-25J-4-000	M230	☞
40	60	48	36	16	G120	6SL32101PE260UL0	--	✓	2050B-04042P00-25J-4-000	M230	☞
50	75	48	36	16	G120	6SL32101PE275UL0	--	✓	2050B-05042P00-25J-4-000	M230	\$18,153.64
60	90	48	36	16	G120	6SL32101PE288UL0	--	✓	2050B-06042P00-25J-4-000	M230	\$21,731.98
75	110	48	36	16	G120	6SL32101PE311UL0	--	✓	2050B-07542P00-25J-4-000	M230	\$23,579.36
100	145	60	37	16	G120	6SL32101PE315UL0	--	✓	2050B-100F2P00-25J-4-000	M230	\$27,097.95
125	178	60	37	16	G120	6SL32101PE318UL0	--	✓	2050B-125F2P00-25J-4-000	M230	\$29,738.82
150	205	60	37	16	G120	6SL32101PE321UL0	--	✓	2050B-150F2P00-25J-4-000	M230	\$32,615.59
200	250	60	37	16	G120	6SL32101PE325UL0	--	✓	2050B-200F2P00-25J-4-000	M230	\$37,509.76

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 240V / 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



VFD - Economy Package

General Purpose Panel

NEMA 12 / Siemens G120 Series

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure
- Advanced design for maximum cooling
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 60 HP)
 - Flanged (75 HP - 150 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	10	G120	6SL32101PE132UL1	✓	--	2150B-00142P00-25J-4-000	M230	☎
1.5	3.1	30	24	10	G120	6SL32101PE143UL0	✓	--	2150B-1P542P00-25J-4-000	M230	☎
2	4.1	30	24	10	G120	6SL32101PE161UL1	✓	--	2150B-00242P00-25J-4-000	M230	☎
3	5.9	30	24	10	G120	6SL32101PE180UL0	✓	--	2150B-00342P00-25J-4-000	M230	☎
5	10.2	30	24	10	G120	6SL32101PE214UL0	✓	--	2150B-00542P00-25J-4-000	M230	☎
7.5	13.7	30	24	10	G120	6SL32101PE218UL0	✓	--	2150B-7P542P00-25J-4-000	M230	☎
10	18	30	24	10	G120	6SL32101PE227UL0	✓	--	2150B-01042P00-25J-4-000	M230	☎
15	26	36	24	12	G120	6SL32101PE233UL0	✓	--	2150B-01542P00-25J-4-000	M230	☎
20	32	36	24	12	G120	6SL32101PE238UL0	--	✓	2150B-02042P00-25J-4-000	M230	☎
25	38	48	36	16	G120	6SL32101PE245UL0	--	✓	2150B-02542P00-25J-4-000	M230	☎
30	45	48	36	16	G120	6SL32101PE260UL0	--	✓	2150B-03042P00-25J-4-000	M230	☎
40	60	48	36	16	G120	6SL32101PE275UL0	--	✓	2150B-04042P00-25J-4-000	M230	\$18,153.64
50	75	48	36	16	G120	6SL32101PE288UL0	--	✓	2150B-05042P00-25J-4-000	M230	\$21,632.41
60	90	48	36	16	G120	6SL32101PE311UL0	--	✓	2150B-06042P00-25J-4-000	M230	\$23,577.83
75	110	60	37	16	G120	6SL32101PE315UL0	--	✓	2150B-075F2P00-25J-4-000	M230	\$26,961.63
100	145	60	37	16	G120	6SL32101PE318UL0	--	✓	2150B-100F2P00-25J-4-000	M230	\$29,740.35
125	178	60	37	16	G120	6SL32101PE321UL0	--	✓	2150B-125F2P00-25J-4-000	M230	\$32,116.21
150	205	60	37	16	G120	6SL32101PE325UL0	--	✓	2150B-150F2P00-25J-4-000	M230	\$34,992.97

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

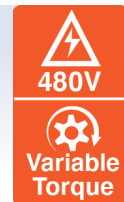
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X
Torque: Variable



powered by
SIEMENS



Enclosure Air Conditioner
 Not Shown (25 HP-200 HP)

VFD - Economy Panel

General Purpose Panel
 NEMA 4 / Siemens G120X Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient
- Combination circuit breaker disconnect: Through-door
- Air conditioner (25 HP - 200 HP)

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE100UFO	--	✓	2055B-001N4P00-25J-4-000	M220	\$9,933.75
1.5	3	30	24	12	G120X	6SL32203YE120UFO	--	✓	2055B-1P5N4P00-25J-4-000	M220	\$10,109.95
2	3.4	30	24	12	G120X	6SL32203YE140UFO	--	✓	2055B-002N4P00-25J-4-000	M220	\$10,109.95
3	4.8	30	24	12	G120X	6SL32203YE160UFO	--	✓	2055B-003N4P00-25J-4-000	M220	\$10,236.75
5	7.6	30	24	12	G120X	6SL32203YE200UFO	--	✓	2055B-005N4P00-25J-4-000	M220	\$10,391.57
7.5	11	30	24	12	G120X	6SL32203YE220UFO	--	✓	2055B-7P5N4P00-25J-4-000	M220	\$11,343.44
10	14	30	24	12	G120X	6SL32203YE240UFO	--	✓	2055B-010N4P00-25J-4-000	M220	\$11,406.00
15	21	36	24	12	G120X	6SL32203YE260UFO	--	✓	2055B-015N4P00-25J-4-000	M220	\$11,314.26
20	27	36	24	12	G120X	6SL32203YE280UFO	--	✓	2055B-020N4P00-25J-4-000	M220	\$11,504.82
25	34	48	36	16	G120X	6SL32203YE300UFO	--	✓	2055B-025N4P00-29P-4-000	M220	\$12,835.92
30	40	48	36	16	G120X	6SL32203YE320UFO	--	✓	2055B-030N4P00-29P-4-000	M220	\$15,519.61
40	52	48	36	16	G120X	6SL32203YE340UFO	--	✓	2055B-040N4P00-29P-4-000	M220	\$15,774.73
50	65	48	36	16	G120X	6SL32203YE360UFO	--	✓	2055B-050N4P00-29P-4-000	M220	\$18,129.02
60	77	48	36	16	G120X	6SL32203YE380UFO	--	✓	2055B-060N4P00-29P-4-000	M220	\$18,312.02
75	96	48	36	16	G120X	6SL32203YE400UFO	--	✓	2055B-075N4P00-29P-4-000	M220	\$21,361.14
100	124	60	36	24	G120X	6SL32203YE420UFO	--	✓	2055B-100N4P00-29P-4-000	M220	\$22,678.21
125	156	60	36	24	G120X	6SL32203YE440UFO	--	✓	2055B-125N4P00-29P-4-000	M220	\$25,792.18
150	180	60	36	24	G120X	6SL32203YE460UFO	--	✓	2055B-150N4P00-29P-4-000	M220	\$36,938.20
200	240	60	36	24	G120X	6SL32203YE480UFO	--	✓	2055B-200N4P00-29P-4-000	M220	\$38,504.52

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



VFD - Economy Panel

General Purpose Panel
 NEMA 4 / Siemens G120X Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient
- Combination circuit breaker disconnect: Through-door

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-001N4P00-25J-4-000	M220	\$10,047.39
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P5N4P00-25J-4-000	M220	\$10,114.88
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-002N4P00-25J-4-000	M220	\$10,169.23
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-003N4P00-25J-4-000	M220	\$10,294.39
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-005N4P00-25J-4-000	M220	\$10,529.89
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P5N4P00-25J-4-000	M220	\$10,755.52
10	14	30	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-010N4P00-25J-4-000	M220	\$11,260.61
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-015N4P00-25J-4-000	M220	\$10,939.96
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-020N4P00-25J-4-000	M220	\$12,794.41
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-025N4P00-25J-4-000	M220	\$13,260.14
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-030N4P00-25J-4-000	M220	\$13,741.23
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-040N4P00-29P-4-000	M220	\$17,934.48
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-050N4P00-29P-4-000	M220	\$18,126.15
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-060N4P00-29P-4-000	M220	\$19,113.21
75	96	60	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075N4P00-29P-4-000	M220	\$21,794.88
100	124	60	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100N4P00-29P-4-000	M220	\$24,075.95
125	156	60	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125N4P00-29P-4-000	M220	\$35,961.20
150	180	60	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150N4P00-29P-4-000	M220	\$37,995.87

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

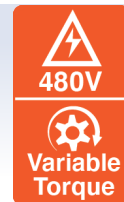
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



Enclosure Air Conditioner
 Not Shown (50 HP - 200 HP)

VFD - Economy Package

General Purpose Panel
 NEMA 4 / Siemens G120 Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient
- Combination circuit breaker disconnect: Through-door
- Air Conditioner (50 HP - 200 HP)

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-001N4P00-25J-4-000	M230	☞	
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P5N4P00-25J-4-000	M230	☞	
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-002N4P00-25J-4-000	M230	☞	
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-003N4P00-25J-4-000	M230	☞	
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-005N4P00-25J-4-000	M230	☞	
7.5	13.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P5N4P00-25J-4-000	M230	☞	
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-010N4P00-25J-4-000	M230	☞	
15	26	36	24	12	G120	6SL32101PE227UL0	✓	--	2050B-015N4P00-25J-4-000	M230	☞	
20	32	36	24	12	G120	6SL32101PE233UL0	✓	--	2050B-020N4P00-25J-4-000	M230	☞	
25	38	48	36	16	G120	6SL32101PE238UL0	--	✓	2050B-025N4P00-29P-4-000	M230	☞	
30	45	48	36	16	G120	6SL32101PE245UL0	--	✓	2050B-030N4P00-29P-4-000	M230	☞	
40	60	48	36	16	G120	6SL32101PE260UL0	--	✓	2050B-040N4P00-29P-4-000	M230	☞	
50	75	48	36	16	G120	6SL32101PE275UL0	--	✓	2050B-050N4P00-29P-4-000	M230	\$24,764.99	
60	90	48	36	16	G120	6SL32101PE288UL0	--	✓	2050B-060N4P00-29P-4-000	M230	\$26,142.10	
75	110	48	36	16	G120	6SL32101PE311UL0	--	✓	2050B-075N4P00-29P-4-000	M230	\$28,687.98	
100	145	60	36	24	G120	6SL32101PE315UL0	--	✓	2050B-100N4P00-29P-4-000	M230	\$33,813.49	
125	178	60	36	24	G120	6SL32101PE318UL0	--	✓	2050B-125N4P00-29P-4-000	M230	\$38,363.00	
150	205	60	36	24	G120	6SL32101PE321UL0	--	✓	2050B-150N4P00-29P-4-000	M230	\$38,949.67	
200	250	60	36	24	G120	6SL32101PE325UL0	--	✓	2050B-200N4P00-29P-4-000	M230	\$43,388.91	

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 240V / 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker
 w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



Enclosure Air Conditioner
Not Shown

VFD - Economy Package

General Purpose Panel
 NEMA 4 / Siemens G120 Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre-engineered for 32°C/90°F indoor/non-direct sunlight ambient
- Combination circuit breaker disconnect: through-door

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Economy / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-001N4P00-25J-4-000	M230	☎
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P5N4P00-25J-4-000	M230	☎
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-002N4P00-25J-4-000	M230	☎
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-003N4P00-25J-4-000	M230	☎
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-005N4P00-25J-4-000	M230	☎
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P5N4P00-25J-4-000	M230	☎
10	18	30	24	12	G120	6SL32101PE227UL0	✓	--	2150B-010N4P00-25J-4-000	M230	☎
15	26	36	24	12	G120	6SL32101PE233UL0	✓	--	2150B-015N4P00-25J-4-000	M230	☎
20	32	36	24	12	G120	6SL32101PE238UL0	--	✓	2150B-020N4P00-25J-4-000	M230	☎
25	38	48	36	16	G120	6SL32101PE245UL0	--	✓	2150B-025N4P00-25J-4-000	M230	☎
30	45	48	36	16	G120	6SL32101PE260UL0	--	✓	2150B-030N4P00-25J-4-000	M230	☎
40	60	48	36	16	G120	6SL32101PE275UL0	--	✓	2150B-040N4P00-29P-4-000	M230	\$23,043.22
50	75	48	36	18	G120	6SL32101PE288UL0	--	✓	2150B-050N4P00-29P-4-000	M230	\$25,956.75
60	90	48	36	18	G120	6SL32101PE311UL0	--	✓	2150B-060N4P00-29P-4-000	M230	\$28,687.98
75	110	60	36	24	G120	6SL32101PE315UL0	--	✓	2150B-075N4P00-29P-4-000	M230	\$32,197.40
100	145	60	36	24	G120	6SL32101PE318UL0	--	✓	2150B-100N4P00-29P-4-000	M230	\$36,333.33
125	178	60	36	24	G120	6SL32101PE321UL0	--	✓	2150B-125N4P00-29P-4-000	M230	\$38,468.67
150	205	60	36	24	G120	6SL32101PE325UL0	--	✓	2150B-150N4P00-29P-4-000	M230	\$43,388.91

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

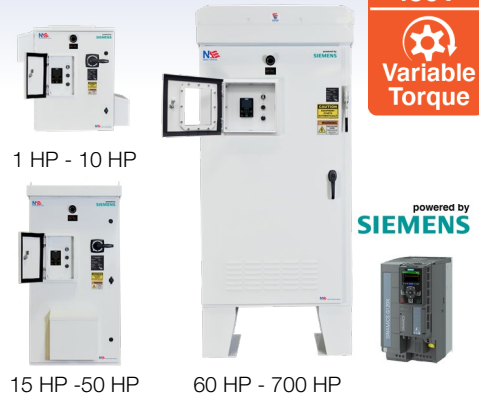
HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Standard Package

General Purpose Panel
NEMA 3R / Siemens G120X Series
General Purpose Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 50 HP; Windowed 60 HP - 700 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45°C/ 113°F) (60 HP - 400 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 50 HP)
 - Flanged (60 HP - 700 HP)
- Pre engineered drive solutions for general applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (15 HP - 700 HP)
- Leg stands included (60 HP - 400 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0013RP00-26K-4-000	M220	\$7,325.13	
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P53RP00-26K-4-000	M220	\$7,341.61	
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0023RP00-26K-4-000	M220	\$7,397.61	
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0033RP00-26K-4-000	M220	\$7,461.83	
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0053RP00-26K-4-000	M220	\$7,687.44	
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P53RP00-26K-4-000	M220	\$7,817.56	
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0103RP00-26K-4-000	M220	\$8,076.11	
15	21	41	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0153RP00-26K-4-000	M220	\$9,695.00	
20	27	41	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0203RP00-26K-4-000	M220	\$10,158.95	
25	34	47	24	14	G120X	6SL32203YE300UF0	--	✓	2055B-0253RP00-26K-4-000	M220	\$11,358.81	
30	40	47	24	14	G120X	6SL32203YE320UF0	--	✓	2055B-0303RP00-26K-4-000	M220	\$11,864.50	
40	52	47	24	14	G120X	6SL32203YE340UF0	--	✓	2055B-0403RP00-26K-4-000	M220	\$12,445.51	
50	65	47	24	14	G120X	6SL32203YE360UF0	--	✓	2055B-0503RP00-26K-4-000	M220	\$17,418.62	
60	77	53	36	20	G120X	6SL32203YE380UF0	--	✓	2055B-060T3P00-23S-4-000	M220	\$17,525.25	
75	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2055B-075T3P00-23S-4-000	M220	\$18,764.49	
100	124	53	36	20	G120X	6SL32203YE420UF0	--	✓	2055B-100T3P00-23S-4-000	M220	\$20,515.31	
125	156	53	36	20	G120X	6SL32203YE440UF0	--	✓	2055B-125T3P00-23S-4-000	M220	\$22,443.34	
150	180	53	36	20	G120X	6SL32203YE460UF0	--	✓	2055B-150T3P00-23S-4-000	M220	\$29,256.29	
200	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2055B-200T3P00-23S-4-000	M220	\$33,278.08	
250	302	65	40	22	G120X	6SL32203YE500CF0	--	✓	2055B-250T3P00-23S-4-000	M220	\$35,478.47	
300	361	65	40	22	G120X	6SL32203YE520CF0	--	✓	2055B-300T3P00-23S-4-000	M220	\$37,521.80	
350	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-350T3P00-23S-4-000	M220	\$47,633.18	
400	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-400T3P00-23S-4-000	M220	\$50,414.85	
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450FRP00-23S-4-000	M220	\$72,045.01	
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500FRP00-23S-4-000	M220	\$83,225.92	
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600FRP00-23S-4-000	M220	\$101,837.00	
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700FRP00-23S-4-000	M220	\$114,562.45	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
Warranty on pp. 201-205
Enclosure Information on p. 200



HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

General Purpose Panel
 NEMA 3R / Siemens G120X Series
 General Purpose Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45°C/ 113°F) (50 HP -500 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (10 HP - 500 HP)
- Leg stands included (50 HP-300 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-0013RP00-26K-4-000	M220	\$7,338.29	
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P53RP00-26K-4-000	M220	\$7,392.66	
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-0023RP00-26K-4-000	M220	\$7,455.23	
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-0033RP00-26K-4-000	M220	\$7,580.38	
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-0053RP00-26K-4-000	M220	\$7,806.01	
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P53RP00-26K-4-000	M220	\$8,054.70	
10	14	41	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0103RP00-26K-4-000	M220	\$9,671.33	
15	21	41	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0153RP00-26K-4-000	M220	\$10,125.78	
20	27	47	24	14	G120X	6SL32203YE300UF0	--	✓	2155B-0203RP00-26K-4-000	M220	\$11,358.81	
25	34	47	24	14	G120X	6SL32203YE320UF0	--	✓	2155B-0253RP00-26K-4-000	M220	\$11,784.57	
30	40	47	24	14	G120X	6SL32203YE340UF0	--	✓	2155B-0303RP00-26K-4-000	M220	\$12,285.63	
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP00-26K-4-000	M220	\$15,977.63	
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-050T3P00-26K-4-000	M220	\$17,418.62	
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-060T3P00-26K-4-000	M220	\$18,424.43	
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075T3P00-26K-4-000	M220	\$20,433.16	
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100T3P00-26K-4-000	M220	\$22,443.34	
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125T3P00-26K-4-000	M220	\$28,602.09	
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150T3P00-26K-4-000	M220	\$30,966.75	
200	240	65	40	22	G120X	6SL32203YE500CF0	--	✓	2155B-200T3P00-26K-4-000	M220	\$35,086.51	
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-250T3P00-26K-4-000	M220	\$36,965.55	
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-300T3P00-26K-4-000	M220	\$45,111.44	
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350FRP00-26K-4-000	M220	\$65,770.44	
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400FRP00-26K-4-000	M220	\$84,980.29	
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450FRP00-26K-4-000	M220	\$84,980.29	
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500FRP00-26K-4-000	M220	\$101,289.99	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



VFD - Standard Package

General Purpose Panel
 NEMA 3R / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 50 HP; Windowed 60 HP - 400 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure/ Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40° C / 104° F) (60 HP - 400 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 50 HP)
 - Flanged (60 HP - 400 HP)
- Pre engineered drive solutions for general applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering

- Surge suppressor
- Heavy duty lifting ears (50 HP - 400 HP)
- Leg stands included (60 HP - 400 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 400 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-0013RP00-26K-4-000	M230	☞	
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P53RP00-26K-4-000	M230	☞	
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-0023RP00-26K-4-000	M230	☞	
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-0033RP00-26K-4-000	M230	☞	
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-0053RP00-26K-4-000	M230	☞	
7.5	13.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P53RP00-26K-4-000	M230	☞	
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-0103RP00-26K-4-000	M230	☞	
15	26	30	24	12	G120	6SL32101PE227UL0	✓	--	2050B-0153RP00-26K-4-000	M230	☞	
20	32	30	24	12	G120	6SL32101PE233UL0	✓	--	2050B-0203RP00-26K-4-000	M230	☞	
25	38	36	24	12	G120	6SL32101PE238UL0	--	✓	2050B-0253RP00-26K-4-000	M230	☞	
30	45	36	24	12	G120	6SL32101PE245UL0	--	✓	2050B-0303RP00-26K-4-000	M230	☞	
40	60	36	24	12	G120	6SL32101PE260UL0	--	✓	2050B-0403RP00-26K-4-000	M230	☞	
50	75	47	24	14	G120	6SL32101PE275UL0	--	✓	2050B-0503RP00-26K-4-000	M230	\$19,441.92	
60	90	53	36	16	G120	6SL32101PE288UL0	--	✓	2050B-060T3P00-23S-4-000	M230	\$22,932.92	
75	110	53	36	16	G120	6SL32101PE311UL0	--	✓	2050B-075T3P00-23S-4-000	M230	\$24,734.35	
100	145	53	36	20	G120	6SL32101PE315UL0	--	✓	2050B-100T3P00-23S-4-000	M230	\$28,168.70	
125	178	53	36	20	G120	6SL32101PE318UL0	--	✓	2050B-125T3P00-23S-4-000	M230	\$30,745.22	
150	205	53	36	20	G120	6SL32101PE321UL0	--	✓	2050B-150T3P00-23S-4-000	M230	\$33,551.51	
200	250	53	36	20	G120	6SL32101PE325UL0	--	✓	2050B-200T3P00-23S-4-000	M230	\$38,326.23	
250	302	65	40	22	G120	6SL32240XE413UA0	--	✓	2050B-250FRP00-23S-4-000	M230	\$46,617.97	
300	370	65	40	22	G120	6SL32240XE416UA0	✓	--	2050B-300FRP00-23S-4-000	M230	\$50,208.58	
350	477	65	40	22	G120	6SL32240XE420UA0	✓	--	2050B-350FRP00-23S-4-000	M230	\$55,727.74	
400	477	65	40	22	G120	6SL32240XE420UA0	✓	--	2050B-400FRP00-23S-4-000	M230	\$57,076.83	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 300 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

General Purpose Panel
 NEMA 3R / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 300 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed /
- Vortex Cooling Tunnel design for maximum cooling (45°C/ 113°F) (50 HP -300 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 10 HP) (15 HP -50 HP)
 - Flanged (50 HP - 300 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (40 HP - 300 HP)
- Leg stands included (50 HP - 300 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 300 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-0013RP00-26K-4-000	M230	☎
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P53RP00-26K-4-000	M230	☎
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-0023RP00-26K-4-000	M230	☎
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-0033RP00-26K-4-000	M230	☎
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-0053RP00-26K-4-000	M230	☎
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P53RP00-26K-4-000	M230	☎
10	18	30	24	12	G120	6SL32101PE227UL0	--	✓	2150B-0103RP00-26K-4-000	M230	☎
15	26	30	24	12	G120	6SL32101PE233UL0	--	✓	2150B-0153RP00-26K-4-000	M230	☎
20	32	30	24	12	G120	6SL32101PE238UL0	--	✓	2150B-0203RP00-26K-4-000	M230	☎
25	38	36	24	12	G120	6SL32101PE245UL0	--	✓	2150B-0253RP00-26K-4-000	M230	☎
30	45	36	24	12	G120	6SL32101PE260UL0	--	✓	2150B-0303RP00-26K-4-000	M230	☎
40	60	47	24	14	G120	6SL32101PE275UL0	--	✓	2150B-0403RP00-26K-4-000	M230	\$19,441.92
50	75	53	36	16	G120	6SL32101PE288UL0	--	✓	2150B-050T3P00-26K-4-000	M230	\$22,836.42
60	90	53	36	16	G120	6SL32101PE311UL0	--	✓	2150B-060T3P00-26K-4-000	M230	\$24,734.35
75	110	65	36	20	G120	6SL32101PE315UL0	--	✓	2150B-075T3P00-26K-4-000	M230	\$28,035.43
100	145	53	36	20	G120	6SL32101PE318UL0	--	✓	2150B-100T3P00-26K-4-000	M230	\$30,745.22
125	178	53	36	20	G120	6SL32101PE321UL0	--	✓	2150B-125T3P00-26K-4-000	M230	\$33,064.41
150	205	53	36	20	G120	6SL32101PE325UL0	--	✓	2150B-150T3P00-26K-4-000	M230	\$35,870.72
200	250	53	36	20	G120	6SL32240XE413UA0	✓	--	2150B-200FRP00-26K-4-000	M230	\$46,602.66
250	302	65	40	22	G120	6SL32240XE416UA0	✓	--	2150B-250FRP00-26K-4-000	M230	\$51,374.27
300	370	65	40	22	G120	6SL32240XE420UA0	✓	--	2150B-300FRP00-26K-4-000	M230	\$56,507.42

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

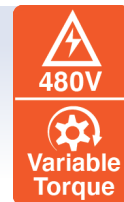
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Standard Package

General Purpose Panel
 NEMA 12 / Siemens G120X Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure
- Advanced design for maximum cooling

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 75 HP)
 - Flanged (100 HP - 700 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-00142P00-32A-4-000	M220	\$6,474.22
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P542P00-32A-4-000	M220	\$6,491.79
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-00242P00-32A-4-000	M220	\$6,547.77
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-00342P00-32A-4-000	M220	\$6,613.32
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-00542P00-32A-4-000	M220	\$6,837.16
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P542P00-32A-4-000	M220	\$6,969.88
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-01042P00-32A-4-000	M220	\$7,230.48
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-01542P00-32A-4-000	M220	\$8,839.93
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-02042P00-32A-4-000	M220	\$9,403.10
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-02542P00-32A-4-000	M220	\$10,550.78
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-03042P00-32A-4-000	M220	\$11,053.69
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-04042P00-32A-4-000	M220	\$11,631.19
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-05042P00-32A-4-000	M220	\$16,627.62
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-06042P00-32A-4-000	M220	\$16,718.55
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-07542P00-32A-4-000	M220	\$17,612.52
100	124	60	37	16	G120X	6SL32203YE420UF0	--	✓	2055B-100F2P00-32A-4-000	M220	\$19,399.07
125	156	60	37	16	G120X	6SL32203YE440UF0	--	✓	2055B-125F2P00-32A-4-000	M220	\$21,317.10
150	180	60	37	16	G120X	6SL32203YE460UF0	--	✓	2055B-150F2P00-32A-4-000	M220	\$27,902.26
200	240	60	37	16	G120X	6SL32203YE480UF0	--	✓	2055B-200F2P00-32A-4-000	M220	\$31,904.86
250	302	84	40	24	G120X	6SL32203YE500CF0	--	✓	2055B-250F2P00-32A-4-000	M220	\$34,181.04
300	361	84	40	24	G120X	6SL32203YE520CF0	--	✓	2055B-300F2P00-32A-4-000	M220	\$36,215.22
350	477	84	40	24	G120X	6SL32203YE540CF0	--	✓	2055B-350F2P00-32A-4-000	M220	\$44,724.00
400	477	84	40	24	G120X	6SL32203YE540CF0	--	✓	2055B-400F2P00-32A-4-000	M220	\$47,440.74
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450F2P00-32A-4-000	M220	\$68,152.33
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500F2P00-32A-4-000	M220	\$79,007.60
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600F2P00-32A-4-000	M220	\$96,718.02
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700F2P00-32A-4-000	M220	\$109,057.87

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



VFD - Standard Package

General Purpose Panel
 NEMA 12 / Siemens G120X Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure
- Advanced design for maximum cooling

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 60 HP)
 - Flanged (75 HP - 500 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-00142P00-32A-4-000	M220	\$6,487.01	
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P542P00-32A-4-000	M220	\$6,541.37	
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-00242P00-32A-4-000	M220	\$6,603.73	
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-00342P00-32A-4-000	M220	\$6,728.45	
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-00542P00-32A-4-000	M220	\$6,952.28	
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P542P00-32A-4-000	M220	\$7,200.11	
10	14	30	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-01042P00-32A-4-000	M220	\$8,804.70	
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-01542P00-32A-4-000	M220	\$9,370.91	
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-02042P00-32A-4-000	M220	\$10,550.78	
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-02542P00-32A-4-000	M220	\$10,974.60	
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-03042P00-32A-4-000	M220	\$11,473.01	
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-04042P00-32A-4-000	M220	\$15,230.00	
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-05042P00-32A-4-000	M220	\$16,629.01	
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-06042P00-32A-4-000	M220	\$17,627.91	
75	96	60	37	16	G120X	6SL32203YE420UF0	--	✓	2155B-075F2P00-32A-4-000	M220	\$19,618.70	
100	124	60	37	16	G120X	6SL32203YE440UF0	--	✓	2155B-100F2P00-32A-4-000	M220	\$21,619.30	
125	156	60	37	16	G120X	6SL32203YE460UF0	--	✓	2155B-125F2P00-32A-4-000	M220	\$27,749.77	
150	180	60	37	16	G120X	6SL32203YE480UF0	--	✓	2155B-150F2P00-32A-4-000	M220	\$30,098.71	
200	240	84	40	24	G120X	6SL32203YE500CF0	--	✓	2155B-200F2P00-32A-4-000	M220	\$34,196.43	
250	302	84	40	24	G120X	6SL32203YE520CF0	--	✓	2155B-250F2P00-32A-4-000	M220	\$36,053.19	
300	361	84	40	24	G120X	6SL32203YE540CF0	--	✓	2155B-300F2P00-32A-4-000	M220	\$44,176.98	
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350F2P00-32A-4-000	M220	\$61,989.90	
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400F2P00-32A-4-000	M220	\$80,420.19	
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450F2P00-32A-4-000	M220	\$80,420.19	
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500F2P00-32A-4-000	M220	\$96,254.87	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



VFD - Standard Package

General Purpose Panel
 NEMA 12 / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure
- Advanced design for maximum cooling

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 75 HP)
 - Flanged (100 HP - 400 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 400 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	10	G120	6SL32101PE123UL1	✓	--	2050B-00142P00-32A-4-000	M230	☞
1.5	3.1	30	24	10	G120	6SL32101PE132UL1	✓	--	2050B-1P542P00-32A-4-000	M230	☞
2	4.1	30	24	10	G120	6SL32101PE143UL1	✓	--	2050B-00242P00-32A-4-000	M230	☞
3	5.9	30	24	10	G120	6SL32101PE161UL1	✓	--	2050B-00342P00-32A-4-000	M230	☞
5	10.2	30	24	10	G120	6SL32101PE211UL0	✓	--	2050B-00542P00-32A-4-000	M230	☞
7.5	13.2	30	24	10	G120	6SL32101PE214UL0	✓	--	2050B-7P542P00-32A-4-000	M230	☞
10	18	30	24	10	G120	6SL32101PE218UL0	✓	--	2050B-01042P00-32A-4-000	M230	☞
15	26	36	24	12	G120	6SL32101PE227UL0	✓	--	2050B-01542P00-32A-4-000	M230	☞
20	32	36	24	12	G120	6SL32101PE233UL0	✓	--	2050B-02042P00-32A-4-000	M230	☞
25	38	48	36	16	G120	6SL32101PE238UL0	--	✓	2050B-02542P00-32A-4-000	M230	☞
30	45	48	36	16	G120	6SL32101PE245UL0	--	✓	2050B-03042P00-32A-4-000	M230	☞
40	60	48	36	16	G120	6SL32101PE260UL0	--	✓	2050B-04042P00-32A-4-000	M230	☞
50	75	48	36	16	G120	6SL32101PE275UL0	--	✓	2050B-05042P00-32A-4-000	M230	\$19,154.30
60	90	48	36	16	G120	6SL32101PE288UL0	--	✓	2050B-06042P00-32A-4-000	M230	\$22,732.61
75	110	48	36	16	G120	6SL32101PE311UL0	--	✓	2050B-07542P00-32A-4-000	M230	\$24,579.99
100	145	60	37	16	G120	6SL32101PE315UL0	--	✓	2050B-100F2P00-32A-4-000	M230	\$28,098.60
125	178	60	37	16	G120	6SL32101PE318UL0	--	✓	2050B-125F2P00-32A-4-000	M230	\$30,740.99
150	205	60	37	16	G120	6SL32101PE321UL0	--	✓	2050B-150F2P00-32A-4-000	M230	\$33,616.23
200	250	60	37	16	G120	6SL32101PE325UL0	--	✓	2050B-200F2P00-32A-4-000	M230	\$38,510.40
250	302	90	40	24	G120	6SL32240XE413UA0	✓	--	2050B-250F2P00-32A-4-000	M230	\$45,429.66
300	370	90	40	24	G120	6SL32240XE416UA0	✓	--	2050B-300F2P00-32A-4-000	M230	\$49,021.78
350	477	90	40	24	G120	6SL32240XE420UA0	✓	--	2050B-350F2P00-32A-4-000	M230	\$54,599.14
400	477	90	40	24	G120	6SL32240XE420UA0	✓	--	2050B-400F2P00-32A-4-000	M230	\$56,162.15

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 300 HP
Volts: 240V / 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



VFD - Standard Package

General Purpose Panel
 NEMA 12 / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 300 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure / Fully Gasketed
- Advanced design for maximum cooling

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 60 HP)
 - Flanged (75 HP - 300 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 300 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	10	G120	6SL32101PE132UL1	✓	--	2150B-00142P00-32A-4-000	M230	☎	
1.5	3.1	30	24	10	G120	6SL32101PE143UL0	✓	--	2150B-1P542P00-32A-4-000	M230	☎	
2	4.1	30	24	10	G120	6SL32101PE161UL1	✓	--	2150B-00242P00-32A-4-000	M230	☎	
3	5.9	30	24	10	G120	6SL32101PE180UL0	✓	--	2150B-00342P00-32A-4-000	M230	☎	
5	10.2	30	24	10	G120	6SL32101PE214UL0	✓	--	2150B-00542P00-32A-4-000	M230	☎	
7.5	13.7	30	24	10	G120	6SL32101PE218UL0	✓	--	2150B-7P542P00-32A-4-000	M230	☎	
10	18	30	24	10	G120	6SL32101PE227UL0	✓	--	2150B-01042P00-32A-4-000	M230	☎	
15	26	36	24	12	G120	6SL32101PE233UL0	✓	--	2150B-01542P00-32A-4-000	M230	☎	
20	32	36	24	12	G120	6SL32101PE238UL0	✓	--	2150B-02042P00-32A-4-000	M230	☎	
25	38	48	36	16	G120	6SL32101PE245UL0	✓	--	2150B-02542P00-32A-4-000	M230	☎	
30	45	48	36	16	G120	6SL32101PE260UL0	✓	--	2150B-03042P00-32A-4-000	M230	☎	
40	60	48	36	16	G120	6SL32101PE275UL0	--	✓	2150B-04042P00-32A-4-000	M230	\$19,154.30	
50	75	48	36	16	G120	6SL32101PE288UL0	--	✓	2150B-05042P00-32A-4-000	M230	\$22,634.59	
60	90	48	36	16	G120	6SL32101PE311UL0	--	✓	2150B-06042P00-32A-4-000	M230	\$24,579.99	
75	110	60	37	16	G120	6SL32101PE315UL0	--	✓	2150B-075F2P00-32A-4-000	M230	\$27,963.80	
100	145	60	37	16	G120	6SL32101PE318UL0	--	✓	2150B-100F2P00-32A-4-000	M230	\$30,740.99	
125	178	60	37	16	G120	6SL32101PE321UL0	--	✓	2150B-125F2P00-32A-4-000	M230	\$33,118.40	
150	205	60	37	16	G120	6SL32101PE325UL0	--	✓	2150B-150F2P00-32A-4-000	M230	\$35,993.62	
200	250	90	40	24	G120	6SL32240XE413UA0	✓	--	2150B-200F2P00-32A-4-000	M230	\$45,417.40	
250	302	90	40	24	G120	6SL32240XE416UA0	✓	--	2150B-250F2P00-32A-4-000	M230	\$50,242.65	
300	370	90	40	24	G120	6SL32240XE420UA0	✓	--	2150B-300F2P00-32A-4-000	M230	\$55,386.51	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

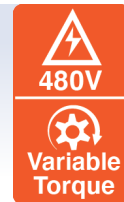
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



Enclosure Air Conditioner
 Not Shown (25 HP - 200 HP)

VFD - Standard Package

General Purpose Panel
 NEMA 4 / Siemens G120X Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 20 HP; Windowed 25 HP - 200 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (25 HP - 200 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-001N4P00-23Z-4-000	M220	\$11,550.94	
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P5N4P00-23Z-4-000	M220	\$11,725.49	
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-002N4P00-23Z-4-000	M220	\$11,725.49	
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-003N4P00-23Z-4-000	M220	\$11,852.30	
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-005N4P00-23Z-4-000	M220	\$12,008.77	
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P5N4P00-23Z-4-000	M220	\$12,960.63	
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-010N4P00-23Z-4-000	M220	\$13,023.20	
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-015N4P00-23Z-4-000	M220	\$12,864.07	
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-020N4P00-23Z-4-000	M220	\$12,919.87	
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-025N4P00-29R-4-000	M220	\$14,345.29	
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-030N4P00-29R-4-000	M220	\$17,027.45	
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-040N4P00-29R-4-000	M220	\$17,282.58	
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-050N4P00-29R-4-000	M220	\$19,235.69	
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-060N4P00-29R-4-000	M220	\$19,421.57	
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-075N4P00-29R-4-000	M220	\$22,470.72	
100	124	60	36	24	G120X	6SL32203YE420UF0	--	✓	2055B-100N4P00-29R-4-000	M220	\$23,776.23	
125	156	60	36	24	G120X	6SL32203YE440UF0	--	✓	2055B-125N4P00-29R-4-000	M220	\$26,890.21	
150	180	60	36	24	G120X	6SL32203YE460UF0	--	✓	2055B-150N4P00-29R-4-000	M220	\$38,036.21	
200	240	60	36	24	G120X	6SL32203YE480UF0	--	✓	2055B-200N4P00-29R-4-000	M220	\$39,601.12	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



Enclosure Air Conditioner
 Not Shown (40 HP - 150 HP)

VFD - Standard Package

General Purpose Panel
 NEMA 4 / Siemens G120X Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (40 HP - 150 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-001N4P00-23Z-4-000	M220	\$11,641.49
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P5N4P00-23Z-4-000	M220	\$11,709.02
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-002N4P00-23Z-4-000	M220	\$11,763.37
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-003N4P00-23Z-4-000	M220	\$11,888.53
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-005N4P00-23Z-4-000	M220	\$12,124.04
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P5N4P00-23Z-4-000	M220	\$12,349.66
10	14	30	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-010N4P00-23Z-4-000	M220	\$12,810.44
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-015N4P00-23Z-4-000	M220	\$12,354.99
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-020N4P00-23Z-4-000	M220	\$14,303.79
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-025N4P00-23Z-4-000	M220	\$14,769.52
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-030N4P00-23Z-4-000	M220	\$15,250.60
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-040N4P00-29Q-4-000	M220	\$19,044.03
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-050N4P00-29Q-4-000	M220	\$19,235.69
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-060N4P00-29Q-4-000	M220	\$20,238.62
75	96	60	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075N4P00-29Q-4-000	M220	\$23,260.37
100	124	60	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100N4P00-29Q-4-000	M220	\$25,486.69
125	156	60	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125N4P00-29Q-4-000	M220	\$37,370.49
150	180	60	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150N4P00-29Q-4-000	M220	\$39,601.12

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



Enclosure Air Conditioner Not Shown (25 HP - 200 HP)



VFD - Standard Package

General Purpose Panel
NEMA 4 / Siemens G120 Series
General Purpose Applications
Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with Lockable Windowed metal cover (Solid 1 HP - 40 HP; Windowed 50 HP - 200 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (25 HP - 200 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-001N4P00-23Z-4-000	M230	☞	
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P5N4P00-23Z-4-000	M230	☞	
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-002N4P00-23Z-4-000	M230	☞	
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-003N4P00-23Z-4-000	M230	☞	
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-005N4P00-23Z-4-000	M230	☞	
7.5	13.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P5N4P00-23Z-4-000	M230	☞	
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-010N4P00-23Z-4-000	M230	☞	
15	26	36	24	12	G120	6SL32101PE227UL0	✓	--	2050B-015N4P00-23Z-4-000	M230	☞	
20	32	36	24	12	G120	6SL32101PE233UL0	✓	--	2050B-020N4P00-23Z-4-000	M230	☞	
25	38	48	36	16	G120	6SL32101PE238UL0	--	✓	2050B-025N4P00-29Q-4-000	M230	☞	
30	45	48	36	16	G120	6SL32101PE245UL0	--	✓	2050B-030N4P00-29Q-4-000	M230	☞	
40	60	48	36	16	G120	6SL32101PE260UL0	--	✓	2050B-040N4P00-29Q-4-000	M230	☞	
50	75	48	36	16	G120	6SL32101PE275UL0	--	✓	2050B-050N4P00-29R-4-000	M230	\$25,874.02	
60	90	48	36	16	G120	6SL32101PE288UL0	--	✓	2050B-060N4P00-29R-4-000	M230	\$27,246.54	
75	110	48	36	16	G120	6SL32101PE311UL0	--	✓	2050B-075N4P00-29R-4-000	M230	\$29,797.03	
100	145	60	36	24	G120	6SL32101PE315UL0	--	✓	2050B-100N4P00-29R-4-000	M230	\$34,910.27	
125	178	60	36	24	G120	6SL32101PE318UL0	--	✓	2050B-125N4P00-29R-4-000	M230	\$39,461.29	
150	205	60	36	24	G120	6SL32101PE321UL0	--	✓	2050B-150N4P00-29R-4-000	M230	\$40,046.46	
200	250	60	36	24	G120	6SL32101PE325UL0	--	✓	2050B-200N4P00-29R-4-000	M230	\$44,487.22	

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
Warranty on pp. 201-205
Enclosure Information on p. 200



HP: 1 HP - 150 HP
Volts: 240V / 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



Enclosure Air Conditioner Not Shown (40 HP - 150 HP)

VFD - Standard Package

General Purpose Panel
 NEMA 4 / Siemens G120 Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal protective cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (40 HP - 150 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-001N4P00-23Z-4-000	M230	☞	
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P5N4P00-23Z-4-000	M230	☞	
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-002N4P00-23Z-4-000	M230	☞	
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-003N4P00-23Z-4-000	M230	☞	
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-005N4P00-23Z-4-000	M230	☞	
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P5N4P00-23Z-4-000	M230	☞	
10	18	30	24	12	G120	6SL32101PE227UL0	✓	--	2150B-010N4P00-23Z-4-000	M230	☞	
15	26	36	24	12	G120	6SL32101PE233UL0	✓	--	2150B-015N4P00-23Z-4-000	M230	☞	
20	32	36	24	12	G120	6SL32101PE238UL0	--	✓	2150B-020N4P00-23Z-4-000	M230	☞	
25	38	48	36	16	G120	6SL32101PE245UL0	--	✓	2150B-025N4P00-23Z-4-000	M230	☞	
30	45	48	36	16	G120	6SL32101PE260UL0	--	✓	2150B-030N4P00-23Z-4-000	M230	☞	
40	60	48	36	16	G120	6SL32101PE275UL0	--	✓	2150B-040N4P00-29Q-4-000	M230	\$24,152.27	
50	75	48	36	16	G120	6SL32101PE288UL0	--	✓	2150B-050N4P00-29Q-4-000	M230	\$27,065.79	
60	90	48	36	16	G120	6SL32101PE311UL0	--	✓	2150B-060N4P00-29Q-4-000	M230	\$29,797.03	
75	110	60	36	24	G120	6SL32101PE315UL0	--	✓	2150B-075N4P00-29Q-4-000	M230	\$33,294.18	
100	145	60	36	24	G120	6SL32101PE318UL0	--	✓	2150B-100N4P00-29Q-4-000	M230	\$37,431.63	
125	178	60	36	24	G120	6SL32101PE321UL0	--	✓	2150B-125N4P00-29Q-4-000	M230	\$39,565.47	
150	205	60	36	24	G120	6SL32101PE325UL0	--	✓	2150B-150N4P00-29Q-4-000	M230	\$44,487.22	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Options on pp. 195-196

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V / 1-Phase to 3-Phase
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: LS Electric S100 & iS7 Series
Torque: Variable



VFD - Irrigation Package

Irrigation Panel
 NEMA 3R / 1-Phase to 3-Phase
 LS Electric S100 & iS7 Series
 Irrigation Pump Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 20 HP; Windowed 25 HP - 125 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light:
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (25 HP-150 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 20 HP)
 - Flanged (25 HP- 150HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Drive configured utilizing V/Hz control⁵
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- 0 - 10 Minute restart (backspin) timer
- 24/7 Programmable timer
- Heavy duty lifting ears (10 HP- 150 HP)

- Leg stands included (25 HP- 150 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" protection

Applications

- Irrigation / Special Purpose

Options

- Other options available
- 240V Available - 1 HP-60 HP - Call for Quote

HP ¹	Input Amps	Output Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	480V		Mult. Symbol	List Price
			H	W	D				Model Number			
1	5.5	3	30	24	12	S100	LSLV0015S100-4EONNS	✓	2013B-0013RP01-27W-C-000	M110	\$10,325.36	
1.5	7.5	3.9	30	24	12	S100	LSLV0022S100-4EONNS	✓	2013B-1P53RP01-27W-C-000	M110	\$10,449.63	
2	7.5	3.9	30	24	12	S100	LSLV0022S100-4EONNS	✓	2013B-0023RP01-27W-C-000	M110	\$10,449.63	
3	10.8	5.9	30	24	12	S100	LSLV0040S100-4E0FNS	✓	2013B-0033RP01-27W-C-000	M110	\$10,486.44	
5	17.5	9.5	30	24	12	S100	LSLV0055S100-4E0FNS	✓	2013B-0053RP01-27W-C-000	M110	\$10,942.03	
7.5	25.4	14	30	24	12	S100	LSLV0075S100-4E0FNS	✓	2013B-7P53RP01-27W-C-000	M110	\$11,317.84	
10	33.4	18	41	24	12	S100	LSLV0110S100-4E0FNS	✓	2013B-0103RP01-27W-C-000	M110	\$13,173.92	
15	42.5	23	41	24	12	S100	LSLV0150S100-4E0FNS	✓	2013B-0153RP01-27W-C-000	M110	\$13,752.22	
20	65.7	35	41	24	12	S100	LSLV0220S100-4E0FNS	✓	2013B-0203RP01-27W-C-000	M110	\$14,497.72	
25	67.5	39	53	36	16	iS7	SV0300IS7-4NOD	✓	2010B-025T3P01-27V-C-000	M110	\$20,503.14	
30	81.7	47	53	36	16	iS7	SV0370IS7-4NOD	✓	2010B-030T3P01-27V-C-000	M110	\$20,670.33	
40	101.8	57	53	36	16	iS7	SV0450IS7-4NOD	✓	2010B-040T3P01-27V-C-000	M110	\$21,773.25	
50	143.6	78	65	40	22	iS7	SV0550IS7-4NOD	✓	2010B-050T3P01-27V-C-000	M110	\$24,812.01	
60	173.4	94	65	40	22	iS7	SV0750IS7-4NOD	✓	2010B-060T3P01-27V-C-000	M110	\$26,677.30	
75	212.9	116	65	40	22	iS7	SV0900IS7-4SOD	✓	2010B-075T3P01-27V-C-000	M110	\$33,586.21	
100	254.2	138	65	40	22	iS7	SV1100IS7-4SOD	✓	2010B-100T3P01-27V-C-000	M110	\$36,871.93	
125	315.3	165	65	40	22	iS7	SV1320IS7-4SOD	✓	2010B-125T3P01-27V-C-000	M110	\$39,315.53	
150	359.3	189	65	40	22	iS7	SV1600IS7-4SOD	✓	2010B-150T3P01-27V-C-000	M110	\$41,803.59	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

5. For Drive configuration utilizing sensorless vector control, please contact us at 800-884-0404 for assistance

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: .5 HP - 125 HP
Volts: 480V / 1-Phase to 3-Phase
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: LS Electric S100 & iS7 Series
Torque: Variable



VFD - Submersible Package

Submersible Panel

NEMA 3R / 1-Phase to 3-Phase

LS Electric S100 & iS7 Series

Submersible Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid .5 HP - 20 HP; Windowed 25 HP - 125 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light:
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

Standard Features

- .5 HP - 125 HP Ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (25 HP - 125 HP)

- Combination circuit breaker disconnect:
 - Through-Door (.5 HP - 20 HP)
 - Flanged (25 HP - 125 HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Drive configured utilizing V/Hz control⁵
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- 0 - 10 Minute restart (backspin) timer
- 24/7 Programmable timer

- Heavy duty lifting ears (10 HP - 125 HP)
- Leg stands included (25 HP - 125 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: .5 HP - 125 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Submersible / Special Purpose

Options

- Other options available
- 240V Available - 25 HP-30 HP - Call for Quote

HP ¹	Input Amps	Output Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	480V / 1-Phase to 3-Phase		Mult. Symbol	List Price
			H	W	D				Model Number			
0.5	3.3	1.9	30	24	12	S100	LSLV0008S100-4EONNS	✓	2213B-0P53RP01-27W-C-000	M110	\$10,219.53	
0.75	3.3	1.9	30	24	12	S100	LSLV0008S100-4EONNS	✓	2213B-P753RP01-27W-C-000	M110	\$10,219.53	
1	5.5	3	30	24	12	S100	LSLV0015S100-4EONNS	✓	2213B-0013RP01-27W-C-000	M110	\$10,325.36	
1.5	7.5	3.9	30	24	12	S100	LSLV0022S100-4EONNS	✓	2213B-1P53RP01-27W-C-000	M110	\$10,449.63	
2	10.8	5.9	30	24	12	S100	LSLV0040S100-4EONNS	✓	2213B-0023RP01-27W-C-000	M110	\$10,486.44	
3	10.8	5.9	30	24	12	S100	LSLV0055S100-4EONNS	✓	2213B-0033RP01-27W-C-000	M110	\$10,486.44	
5	17.5	9.5	30	24	12	S100	LSLV0075S100-4EONNS	✓	2213B-0053RP01-27W-C-000	M110	\$10,997.25	
7.5	25.4	14	30	24	12	S100	LSLV0110S100-4EONNS	✓	2213B-7P53RP01-27W-C-000	M110	\$11,317.84	
10	33.4	18	41	24	12	S100	LSLV0185S100-4EONNS	✓	2213B-0103RP01-27W-C-000	M110	\$13,230.68	
15	49.5	27	41	24	12	S100	LSLV0220S100-4EONNS	✓	2213B-0153RP01-27W-C-000	M110	\$14,287.58	
20	65.7	35	41	24	12	S100	LSLV0220S100-4EONNS	✓	2213B-0203RP01-27W-C-000	M110	\$14,497.72	
25	67.5	39	53	36	16	iS7	SV0300IS7-4NOD	✓	2210B-025T3P01-27V-C-000	M110	\$20,524.63	
30	81.7	47	53	36	16	iS7	SV0370IS7-4NOD	✓	2210B-030T3P01-27V-C-000	M110	\$20,903.50	
40	143.6	78	65	40	22	iS7	SV0550IS7-4NOD	✓	2210B-040T3P01-27V-C-000	M110	\$24,812.01	
50	173.4	94	65	40	22	iS7	SV0750IS7-4NOD	✓	2210B-050T3P01-27V-C-000	M110	\$26,677.30	
60	173.4	94	65	40	22	iS7	SV0750IS7-4NOD	✓	2210B-060T3P01-27V-C-000	M110	\$26,931.94	
75	212.9	116	65	40	22	iS7	SV0900IS7-4SOD	✓	2210B-075T3P01-27V-C-000	M110	\$34,041.80	
100	315.3	165	65	40	22	iS7	SV1320IS7-4SOD	✓	2210B-100T3P01-27V-C-000	M110	\$39,315.53	
125	359.3	189	65	40	22	iS7	SV1600IS7-4SOD	✓	2210B-125T3P01-27V-C-000	M110	\$41,803.59	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

5. For Drive configuration utilizing sensorless vector control, please contact us at 800-884-0404 for assistance

Options on pp. 195-196

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Irrigation Package

Irrigation Panel

NEMA 3R / Siemens G120X Series

Irrigation Pump Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 50 HP; Windowed 60 HP - 700 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (60 HP - 400 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 50 HP)
 - Flanged (60 HP - 700 HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance

- 0 - 10 Minute restart (backspin) timer
- 24/7 Programmable timer
- Heavy duty lifting ears (15 HP - 700 HP)
- Leg stands included (60 HP- 400 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0013RP01-27W-4-000	M220	\$9,903.67	
1.5	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-1P53RP01-27W-4-000	M220	\$9,920.13	
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0023RP01-27W-4-000	M220	\$9,976.13	
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0033RP01-27W-4-000	M220	\$10,040.35	
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0053RP01-27W-4-000	M220	\$10,265.95	
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P53RP01-27W-4-000	M220	\$10,396.07	
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0103RP01-27W-4-000	M220	\$10,654.62	
15	21	41	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0153RP01-27W-4-000	M220	\$12,166.09	
20	27	41	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0203RP01-27W-4-000	M220	\$12,415.15	
25	34	47	24	14	G120X	6SL32203YE300UF0	--	✓	2055B-0253RP01-27W-4-000	M220	\$13,765.43	
30	40	47	24	14	G120X	6SL32203YE320UF0	--	✓	2055B-0303RP01-27W-4-000	M220	\$14,271.11	
40	52	47	24	14	G120X	6SL32203YE340UF0	--	✓	2055B-0403RP01-27W-4-000	M220	\$14,852.10	
50	65	47	24	14	G120X	6SL32203YE360UF0	--	✓	2055B-0503RP01-27W-4-000	M220	\$19,386.63	
60	77	53	36	20	G120X	6SL32203YE380UF0	--	✓	2055B-0603RP01-27V-4-000	M220	\$19,477.41	
75	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2055B-0753RP01-27V-4-000	M220	\$20,376.58	
100	124	53	36	20	G120X	6SL32203YE420UF0	--	✓	2055B-1003RP01-27V-4-000	M220	\$22,170.62	
125	156	53	36	20	G120X	6SL32203YE440UF0	--	✓	2055B-1253RP01-27V-4-000	M220	\$24,098.65	
150	180	53	36	20	G120X	6SL32203YE460UF0	--	✓	2055B-1503RP01-27V-4-000	M220	\$30,715.65	
200	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2055B-2003RP01-27V-4-000	M220	\$34,737.42	
250	302	65	40	22	G120X	6SL32203YE500CF0	--	✓	2055B-2503RP01-27V-4-000	M220	\$37,025.73	
300	361	65	40	22	G120X	6SL32203YE520CF0	--	✓	2055B-3003RP01-27V-4-000	M220	\$39,489.80	
350	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-3503RP01-27V-4-000	M220	\$49,529.14	
400	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-4003RP01-27V-4-000	M220	\$52,421.09	
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450FRP01-27V-4-000	M220	\$73,939.39	
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500FRP01-27V-4-000	M220	\$85,120.31	
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600FRP01-27V-4-000	M220	\$103,731.39	
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700FRP01-27V-4-000	M220	\$116,456.82	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

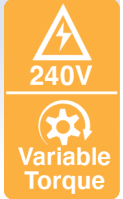
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: .5 HP - 30 HP
Volts: 240V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Standard Package

Submersible Panel

NEMA 3R / Siemens G120X Series

Submersible Pump Applications



.5 HP - 3 HP

5 HP - 20 HP

25 HP - 30 HP

powered by
SIEMENS

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with Lockable Solid Metal Cover (Solid .5 HP - 20 HP; Windowed 25 HP - 30 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light:
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

Standard Features

- .5 HP - 30 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed

- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (25 HP - 30 HP)
- Combination circuit breaker disconnect:
 - Through-door (.5 HP - 20 HP)
 - Flanged (25 HP - 30 HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
 - Line side harmonic filtering

- 0-10 Minute restart (backspin) timer
- 24/7 Programmable timer
- Heavy duty lifting ears (25 HP - 30 HP)
- Leg stands included (25 HP - 30 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 240V: .5 HP - 30 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	240V	Mult. Symbol	List Price
		H	W	D					Model Number		
0.5	4.2	30	24	12	G120X	6SL32203YC100UF0	--	✓	2255B-0P53RP01-27W-2-000	M220	\$10,047.27
0.75	4.2	30	24	12	G120X	6SL32203YC100UF0	--	✓	2255B-P753RP01-27W-2-000	M220	\$10,047.27
1	6	30	24	12	G120X	6SL32203YC120UF0	--	✓	2255B-0013RP01-27W-2-000	M220	\$10,066.80
1.5	7.4	30	24	12	G120X	6SL32203YC140UF0	--	✓	2255B-1P53RP01-27W-2-000	M220	\$10,132.41
2	10.4	30	24	12	G120X	6SL32203YC160UF0	--	✓	2255B-0023RP01-27W-2-000	M220	\$10,209.18
3	17.5	30	24	12	G120X	6SL32203YC200UF0	--	✓	2255B-0033RP01-27W-2-000	M220	\$10,491.15
5	22	41	24	12	G120X	6SL32203YC220UF0	--	✓	2255B-0053RP01-27W-2-000	M220	\$12,432.75
7.5	28	41	24	12	G120X	6SL32203YC240UF0	--	✓	2255B-7P53RP01-27W-2-000	M220	\$12,822.20
10	42	47	24	14	G120X	6SL32203YC260UF0	--	✓	2255B-0103RP01-27W-2-000	M220	\$13,718.34
15	54	47	24	14	G120X	6SL32203YC280UF0	--	✓	2255B-0153RP01-27W-2-000	M220	\$14,564.20
20	68	47	24	14	G120X	6SL32203YC300UF0	--	✓	2255B-0203RP01-27W-2-000	M220	\$16,314.59
25	80	53	36	20	G120X	6SL32203YC320UF0	--	✓	2255B-025T3P01-27V-2-000	M220	\$19,086.55
30	104	53	36	20	G120X	6SL32203YC340UF0	--	✓	2255B-030T3P01-27V-2-000	M220	\$20,694.75

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: .5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



VFD - Standard Package

Submersible Panel
 NEMA 3R / Siemens G120X Series
 Submersible Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid .5 HP - 40 HP; Windowed 50 HP - 200 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light:
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 200 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 200 HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance

- Line side harmonic filtering 0-10 Minute restart (backspin) timer
- 24/7 Programmable timer
- Heavy duty lifting ears (10 HP - 200 HP)
- Leg stands included (50 HP- 200 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Standard Features

- .5 HP - 200 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
0.5	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2255B-0P53RP01-27W-4-000	M220	\$8,353.03	
0.75	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2255B-P753RP01-27W-4-000	M220	\$8,353.03	
1	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2255B-0013RP01-27W-4-000	M220	\$9,595.71	
1.5	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2255B-1P53RP01-27W-4-000	M220	\$9,595.71	
2	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2255B-0023RP01-27W-4-000	M220	\$9,673.09	
3	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2255B-0033RP01-27W-4-000	M220	\$10,037.04	
5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2255B-0053RP01-27W-4-000	M220	\$10,300.56	
7.5	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2255B-7P53RP01-27W-4-000	M220	\$10,704.01	
10	21	41	24	12	G120X	6SL32203YE260UF0	--	✓	2255B-0103RP01-27W-4-000	M220	\$10,755.16	
15	27	41	24	12	G120X	6SL32203YE280UF0	--	✓	2255B-0153RP01-27W-4-000	M220	\$12,415.15	
20	34	47	24	14	G120X	6SL32203YE300UF0	--	✓	2255B-0203RP01-27W-4-000	M220	\$13,765.43	
25	40	47	24	14	G120X	6SL32203YE320UF0	--	✓	2255B-0253RP01-27W-4-000	M220	\$13,765.43	
30	52	47	24	14	G120X	6SL32203YE340UF0	--	✓	2255B-0303RP01-27W-4-000	M220	\$14,852.10	
40	65	47	24	14	G120X	6SL32203YE360UF0	--	✓	2255B-0403RP01-27W-4-000	M220	\$19,402.48	
50	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2255B-050T3P01-27V-4-000	M220	\$19,493.25	
60	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2255B-060T3P01-27V-4-000	M220	\$20,732.50	
75	124	65	40	22	G120X	6SL32203YE420UF0	--	✓	2255B-075T3P01-27V-4-000	M220	\$20,732.50	
100	156	53	36	20	G120X	6SL32203YE440UF0	--	✓	2255B-100T3P01-27V-4-000	M220	\$22,483.29	
125	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2255B-125T3P01-27V-4-000	M220	\$31,224.30	
150	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2255B-150T3P01-27V-4-000	M220	\$31,224.30	
175	302	65	40	22	G120X	6SL32203YE500CF0	--	✓	2255B-175T3P01-27V-4-000	M220	\$35,246.10	
200	302	53	36	20	G120X	6SL32203YE500CF0	--	✓	2255B-200T3P01-27V-4-000	M220	\$37,446.48	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 125 HP
Volts: 480V / 1-Phase to 3-Phase
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: LS Electric iS7 Series
Torque: Constant



VFD - Standard Package

Beam Pump Panel
 NEMA 3R / 1-Phase to 3-Phase
 LS Electric iS7 Series
 Beam Pump Applications



3 HP - 15 HP STANDARD PACKAGE
 20 HP - 125 HP

Beam Pump Package designed specifically for use on beam pumps where regenerative avoidance is required.

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with protective metal cover
- Percentage Timer
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light:
 - Red=Fault
 - Yellow=Ready
 - Green=Running

Standard Features

- 3 HP -125 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (20 HP - 125 HP)
- Combination circuit breaker disconnect:
 - Through-door (3 HP - 15 HP)
 - Flanged (20 HP - 125 HP)

- Pre engineered drive solutions for special application
 - HOA functionality designed specifically for beam pump applications
 - Regenerative (ReGen) avoidance programmed in firmware
 - Designed and ready for use with most third party pump off controllers
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- "Lightning & Surge" protection covering momentary anomaly events
 - Line side—lightning, surge and severe over voltage
 - Load side—single phasing, phase reversal and voltage unbalance
- Leg stands included (20 HP - 125 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 3 HP -125 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Beam Pumps

Options

- Other options available

HP ¹	Input Amps	Output Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	480V / 1 to 3 Phase		Mult. Symbol	List Price
			H	W	D				Model Number			
3	11	6	41	24	12	iS7	SV0055IS7-4NOFD	✓	2110B-0033RP1B-33G-C-000	M111	\$13,157.77	
5	14.4	8	41	24	12	iS7	SV0075IS7-4NOFD	✓	2110B-0053RP1B-33G-C-000	M111	\$13,746.78	
7.5	22	12	47	24	14	iS7	SV0110IS7-4NOFD	✓	2110B-7P53RP1B-33G-C-000	M111	\$14,530.65	
10	27	16	47	24	14	iS7	SV0150IS7-4NOFD	✓	2110B-0103RP1B-33G-C-000	M111	\$14,865.72	
15	41.6	23	47	24	14	iS7	SV0220IS7-4NOFD	✓	2110B-0153RP1B-33G-C-000	M111	\$16,151.31	
20	55.5	32	53	36	20	iS7	SV0300IS7-4NOD	✓	2110B-020T3P1B-33G-C-000	M111	\$21,091.43	
25	67.9	39	53	36	20	iS7	SV0370IS7-4NOD	✓	2110B-025T3P1B-33G-C-000	M111	\$21,238.99	
30	82.4	47	53	36	20	iS7	SV0450IS7-4NOD	✓	2110B-030T3P1B-33G-C-000	M111	\$22,525.69	
40	102.6	57	53	36	20	iS7	SV0550IS7-4NOD	✓	2110B-040T3P1B-33G-C-000	M111	\$23,574.95	
50	143.4	78	53	36	20	iS7	SV0750IS7-4NOD	✓	2110B-050T3P1B-33G-C-000	M111	\$25,777.79	
60	174.7	95	65	40	22	iS7	SV0900IS7-4SOD	✓	2110B-060T3P1B-33G-C-000	M111	\$32,417.99	
75	213.5	116	65	40	22	iS7	SV1100IS7-4SOD	✓	2110B-075T3P1B-33G-C-000	M111	\$34,622.10	
100	255.6	134	65	40	22	iS7	SV1320IS7-4SOD	✓	2110B-100T3P1B-33G-C-000	M111	\$38,809.28	
125	316.3	166	65	40	22	iS7	SV1600IS7-4SOD	✓	2110B-125T3P1B-33G-C-000	M111	\$40,741.55	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196

Warranty on pp. 201-205

Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 300 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X Series
Torque: Constant



powered by
SIEMENS



3 HP -40 HP STANDARD PACKAGE
 50 HP - 300 HP

Beam Pump Package designed specifically for use on beam pumps where regenerative avoidance is required.

VFD - Standard Package

Beam Pump Panel
 NEMA 3R / Siemens G120X Series
 Beam Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with protective metal cover
- Percentage Timer
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light:
 - Red=Fault
 - Yellow=Ready
 - Green=Running

Standard Features

- 3 HP - 300 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 200 HP)
- Combination circuit breaker disconnect:
 - Through-door (3 HP - 40 HP)
 - Flanged (50 HP - 300 HP)

- Pre engineered drive solutions for special application
 - HOA functionality designed specifically for beam pump applications
 - Regenerative (ReGen) avoidance programmed in firmware
 - Designed and ready for use with most third party pump off controllers
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- "Lightning & Surge" protection covering momentary anomaly events
 - Line side—lightning, surge and severe over voltage
 - Load side—single phasing, phase reversal and voltage unbalance
- Leg stands included (50 HP - 300 HP)

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 3 HP - 300 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Beam Pumps

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	DC Choke	Line Reactor	480V		List Price
		H	W	D					Model Number	Mult. Symbol	
3	4.8	30	24	12	G120X	6SL32203YE180UF0	✓	--	2155B-0033RP1B-33G-4-000	M222	\$11,373.84
5	7.6	30	24	12	G120X	6SL32203YE220UF0	✓	--	2155B-0053RP1B-33G-4-000	M222	\$11,605.16
7.5	11	30	24	12	G120X	6SL32203YE240UF0	✓	--	2155B-7P53RP1B-33G-4-000	M222	\$11,860.13
10	14	41	24	12	G120X	6SL32203YE260UF0	✓	--	2155B-0103RP1B-33G-4-000	M222	\$13,367.50
15	21	41	24	12	G120X	6SL32203YE280UF0	✓	--	2155B-0153RP1B-33G-4-000	M222	\$13,533.27
20	27	47	24	14	G120X	6SL32203YE300UF0	✓	--	2155B-0203RP1B-33G-4-000	M222	\$15,007.53
25	34	47	24	14	G120X	6SL32203YE320UF0	✓	--	2155B-0253RP1B-33G-4-000	M222	\$15,444.05
30	40	47	24	14	G120X	6SL32203YE340UF0	✓	--	2155B-0303RP1B-33G-4-000	M222	\$15,957.77
40	52	47	24	14	G120X	6SL32203YE360UF0	✓	--	2155B-0403RP1B-33G-4-000	M222	\$19,532.88
50	65	53	36	20	G120X	6SL32203YE380UF0	✓	--	2155B-050T3P1B-33G-4-000	M222	\$21,010.27
60	77	53	36	20	G120X	6SL32203YE400UF0	✓	--	2155B-060T3P1B-33G-4-000	M222	\$22,041.46
75	96	53	36	20	G120X	6SL32203YE420UF0	✓	--	2155B-075T3P1B-33G-4-000	M222	\$24,100.93
100	124	53	36	20	G120X	6SL32203YE440UF0	✓	--	2155B-100T3P1B-33G-4-000	M222	\$26,161.86
125	156	53	36	20	G120X	6SL32203YE460UF0	✓	--	2155B-125T3P1B-33G-4-000	M222	\$32,476.15
150	180	53	36	20	G120X	6SL32203YE480UF0	✓	--	2155B-150T3P1B-33G-4-000	M222	\$39,900.55
200	240	53	36	20	G120X	6SL32203YE500CF0	✓	--	2155B-200T3P1B-33G-4-000	M222	\$39,124.34
250	302	65	40	22	G120X	6SL32203YE520CF0	✓	--	2155B-250T3P1B-33G-4-000	M222	\$41,050.83
300	361	65	40	22	G120X	6SL32203YE540CF0	✓	--	2155B-300T3P1B-33G-4-000	M222	\$49,402.43

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 3 HP - 300 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X Series
Torque: Constant



VFD - Standard Package

Beam Pump Panel
 w/ Two Contactor By-Pass
 NEMA 3R / Siemens G120X Series
 Beam Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with protective metal cover
- Percentage Timer
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- By-Pass Selector Switch
- High Visibility Status Light
 - Red=Fault
 - Yellow=Ready
 - Green=Running

Standard Features

- 3 HP - 300 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 300 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP—40 HP)

- Flanged (50 HP—300 HP)
- Two contactor / run rated by-pass
- Pre engineered drive solutions for special application
 - HOA functionality designed specifically for beam pump applications
 - Regenerative (ReGen) avoidance programmed in firmware
 - Designed and ready for use with most third party pump off controllers
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- “Lightning & Surge” protection covering momentary anomaly events
 - Line side—lightning, surge and severe over voltage
 - Load side—single phasing, phase reversal and voltage unbalance
- Leg stands included (50 HP - 300 HP)

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 3 HP - 300 HP

Warranty

- Three (3) year warranty with “Lightning & Surge” protection INCLUDING NAE’s “No Hassle” Chassis Exchange Program

Applications

- Beam Pumps

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	DC Choke	Line Reactor	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
3	4.8	30	24	12	G120X	6SL32203YE180UF0	✓	--	2155B-0033RP1B-33H-4-000	M222	\$12,491.47
5	7.6	30	24	12	G120X	6SL32203YE220UF0	✓	--	2155B-0053RP1B-33H-4-000	M222	\$12,746.66
7.5	11	30	24	12	G120X	6SL32203YE240UF0	✓	--	2155B-7P53RP1B-33H-4-000	M222	\$13,038.12
10	14	41	24	12	G120X	6SL32203YE260UF0	✓	--	2155B-0103RP1B-33H-4-000	M222	\$14,529.20
15	21	41	24	12	G120X	6SL32203YE280UF0	✓	--	2155B-0153RP1B-33H-4-000	M222	\$14,615.95
20	27	47	24	14	G120X	6SL32203YE300UF0	✓	--	2155B-0203RP1B-33H-4-000	M222	\$16,208.19
25	34	47	24	14	G120X	6SL32203YE320UF0	✓	--	2155B-0253RP1B-33H-4-000	M222	\$16,693.53
30	40	47	24	14	G120X	6SL32203YE340UF0	✓	--	2155B-0303RP1B-33H-4-000	M222	\$17,242.85
40	52	47	24	14	G120X	6SL32203YE360UF0	✓	--	2155B-0403RP1B-33H-4-000	M222	\$20,813.35
50	65	53	36	20	G120X	6SL32203YE380UF0	✓	--	2155B-050T3P1B-33H-4-000	M222	\$22,329.31
60	77	53	36	20	G120X	6SL32203YE400UF0	✓	--	2155B-060T3P1B-33H-4-000	M222	\$23,768.76
75	96	53	36	20	G120X	6SL32203YE420UF0	✓	--	2155B-075T3P1B-33H-4-000	M222	\$26,003.83
100	124	53	36	20	G120X	6SL32203YE440UF0	✓	--	2155B-100T3P1B-33H-4-000	M222	\$29,284.73
125	156	53	36	20	G120X	6SL32203YE460UF0	✓	--	2155B-125T3P1B-33H-4-000	M222	\$35,846.12
150	180	53	36	20	G120X	6SL32203YE480UF0	✓	--	2155B-150T3P1B-33H-4-000	M222	\$37,923.18
200	240	53	36	20	G120X	6SL32203YE500CF0	✓	--	2155B-200T3P1B-33H-4-000	M222	\$43,110.58
250	302	65	40	22	G120X	6SL32203YE520CF0	✓	--	2155B-250T3P1B-33H-4-000	M222	\$45,660.74
300	361	65	40	22	G120X	6SL32203YE540CF0	✓	--	2155B-300T3P1B-33H-4-000	M222	\$53,733.31

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

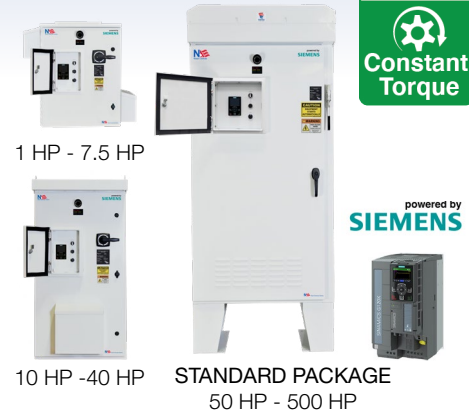
Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/DISCONNECT
 ACROSS THE LINE STARTER
 PART WIND STARTER
 SOFT STARTER
 VARIABLE FREQUENCY DRIVE
 APPENDIX

HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

Positive Displacement /
 Salt Water Disposal Pump
 NEMA 3R / Siemens G120X Series
 Positive Displacement Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Advanced Tunnel Design for Maximum Cooling (45° C / 113° F) (50 HP - 300 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for special application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- Surge suppressor
- Heavy duty lifting ears (10 HP - 500 HP)

- Leg stands included (50 HP - 500 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Positive Displacement Pump

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-0013RP02-27X-4-000	M223	\$9,472.20	
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P53RP02-27X-4-000	M223	\$9,526.55	
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-0023RP02-27X-4-000	M223	\$9,589.11	
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-0033RP02-27X-4-000	M223	\$9,714.29	
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-0053RP02-27X-4-000	M223	\$9,939.87	
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P53RP02-27X-4-000	M223	\$10,188.57	
10	14	41	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0103RP02-27X-4-000	M223	\$11,716.31	
15	21	41	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0153RP02-27X-4-000	M223	\$11,992.93	
20	27	47	24	14	G120X	6SL32203YE300UF0	--	✓	2155B-0203RP02-27X-4-000	M223	\$13,043.01	
25	34	47	24	14	G120X	6SL32203YE320UF0	--	✓	2155B-0253RP02-27X-4-000	M223	\$13,468.77	
30	40	47	24	14	G120X	6SL32203YE340UF0	--	✓	2155B-0303RP02-27X-4-000	M223	\$13,969.84	
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP02-27X-4-000	M223	\$17,556.58	
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-0503RP02-27X-4-000	M223	\$18,997.59	
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-0603RP02-27X-4-000	M223	\$20,003.36	
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-0753RP02-27X-4-000	M223	\$22,012.10	
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-1003RP02-27X-4-000	M223	\$24,022.27	
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-1253RP02-27X-4-000	M223	\$30,181.03	
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-1503RP02-27X-4-000	M223	\$32,545.69	
200	240	53	36	20	G120X	6SL32203YE500CF0	--	✓	2155B-2003RP02-27X-4-000	M223	\$36,665.46	
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-2503RP02-27X-4-000	M223	\$39,102.17	
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-3003RP02-27X-4-000	M223	\$46,690.38	
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350FRP02-27X-4-000	M223	\$67,607.44	
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400FRP02-27X-4-000	M223	\$86,496.94	
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450FRP02-27X-4-000	M223	\$86,496.94	
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500FRP02-27X-4-000	M223	\$102,806.65	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 40 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Advanced Package

Positive Displacement /
 Salt Water Disposal Pump
 NEMA 3R / Siemens G120X Series
 Positive Displacement Pump Applications



powered by
SIEMENS



ADVANCED PACKAGE
 40 HP - 500 HP

Advanced Package includes Murphy Switch Interface where additional fault monitoring is required.

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)
- Murphy Switch Interface w/ Fault Recall Function Recalls the Last Five (5) Faults in Sequence

Standard Features

- 40 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 500 HP)

- Combination circuit breaker disconnect:
 - Through-door (40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for special application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- Surge suppressor
- Heavy duty lifting ears
- Leg stands included (40 HP - 500 HP)

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 40 HP - 500 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Positive Displacement Pump

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP02-27Y-4-000	M223	\$20,602.83
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-050T3P02-27Y-4-000	M223	\$22,043.82
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-060T3P02-27Y-4-000	M223	\$23,049.60
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075T3P02-27Y-4-000	M223	\$25,058.34
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100T3P02-27Y-4-000	M223	\$27,068.53
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125T3P02-27Y-4-000	M223	\$33,227.28
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150T3P02-27Y-4-000	M223	\$35,591.92
200	240	53	36	20	G120X	6SL32203YE500CF0	--	✓	2155B-200T3P02-27Y-4-000	M223	\$39,711.71
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-250T3P02-27Y-4-000	M223	\$42,148.41
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-300T3P02-27Y-4-000	M223	\$49,736.63
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350FRP02-27Y-4-000	M223	\$70,304.75
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400FRP02-27Y-4-000	M223	\$89,454.45
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450FRP02-27Y-4-000	M223	\$89,454.45
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500FRP02-27Y-4-000	M223	\$105,764.14

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 40 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



DELUXE PACKAGE
 40 HP - 500 HP



Deluxe packaged designed for applications where additional fault monitoring and enhanced programming capability is required.

VFD - Deluxe Package

Positive Displacement /
 Salt Water Disposal Pump
 NEMA 3R / Siemens G120X Series
 Positive Displacement Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted 7" HMI touchscreen with lockable cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)
- Human Machine Interface (HMI)
- 7" Widescreen Display / Profinet Interface

Standard Features

- 40 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 500 HP)

- Combination circuit breaker disconnect:
 - Through-door (40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for special application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- Surge suppressor
- Heavy duty lifting ears
- Leg stands included (50 HP - 500 HP)

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 40 HP - 500 HP

Warranty

- Three (3) year warranty with "Lightning & Surge" protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Positive Displacement Pump

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP02-27Z-4-000	M223	\$21,938.63	
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-050T3P02-27Z-4-000	M223	\$23,379.58	
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-060T3P02-27Z-4-000	M223	\$24,385.41	
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075T3P02-27Z-4-000	M223	\$26,394.16	
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100T3P02-27Z-4-000	M223	\$28,404.31	
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125T3P02-27Z-4-000	M223	\$34,563.07	
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150T3P02-27Z-4-000	M223	\$36,927.72	
200	240	53	36	20	G120X	6SL32203YE500CF0	--	✓	2155B-200T3P02-27Z-4-000	M223	\$41,047.51	
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-250T3P02-27Z-4-000	M223	\$43,484.21	
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-300T3P02-27Z-4-000	M223	\$51,072.41	
350	452	90	78	24	G120X	6SL32203YE600CF0	--	✓	2155B-350FRP02-27Z-4-000	M223	\$71,598.83	
400	542	90	78	24	G120X	6SL32203YE620CF0	--	✓	2155B-400FRP02-27Z-4-000	M223	\$90,751.34	
450	542	90	78	24	G120X	6SL32203YE620CF0	--	✓	2155B-450FRP02-27Z-4-000	M223	\$90,751.34	
500	591	90	78	24	G120X	6SL32203YE640CF0	--	✓	2155B-500FRP02-27Z-4-000	M223	\$107,061.05	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

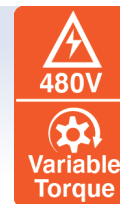
SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



Shown w/ Optional Floor Stands;
 Enclosure A/C Included (25 HP - 200 HP)

VFD - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens G120X Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4X / Stainless Steel Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient
- Combination circuit breaker disconnect: Through-door

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0014XP00-25J-4-000	M224	\$13,825.28
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P54XP00-25J-4-000	M224	\$13,857.32
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0024XP00-25J-4-000	M224	\$13,908.93
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0034XP00-25J-4-000	M224	\$13,980.11
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0054XP00-25J-4-000	M224	\$14,236.36
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P54XP00-25J-4-000	M224	\$15,005.13
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0104XP00-25J-4-000	M224	\$15,330.79
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0154XP00-25J-4-000	M224	\$16,349.64
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0204XP00-25J-4-000	M224	\$15,857.54
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-0254XP00-29P-4-000	M224	\$21,000.54
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-0304XP00-29P-4-000	M224	\$21,525.39
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-0404XP00-29P-4-000	M224	\$22,751.13
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-0504XP00-29P-4-000	M224	\$29,001.04
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-0604XP00-29P-4-000	M224	\$31,001.91
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-0754XP00-29P-4-000	M224	\$33,768.87
100	124	60	36	24	G120X	6SL32203YE420UF0	--	✓	2055B-1004XP00-29P-4-000	M224	\$36,520.27
125	156	60	36	24	G120X	6SL32203YE440UF0	--	✓	2055B-1254XP00-29P-4-000	M224	\$41,674.29
150	180	60	36	24	G120X	6SL32203YE460UF0	--	✓	2055B-1504XP00-29P-4-000	M224	\$39,086.38
200	240	60	36	24	G120X	6SL32203YE480UF0	--	✓	2055B-2004XP00-29P-4-000	M224	\$44,509.78

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



Shown w/ Optional Floor Stands; Enclosure A/C Included (25 HP - 200 HP)

VFD - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens G120X Series

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4X / Stainless Steel Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient
- Combination circuit breaker disconnect: Through-door

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	10	G120X	6SL32203YE120UF0	--	✓	2155B-0014XP00-25J-4-000	M224	\$13,839.53
1.5	3	30	24	10	G120X	6SL32203YE140UF0	--	✓	2155B-1P54XP00-25J-4-000	M224	\$13,912.48
2	3.4	30	24	10	G120X	6SL32203YE160UF0	--	✓	2155B-0024XP00-25J-4-000	M224	\$13,971.22
3	4.8	30	24	10	G120X	6SL32203YE180UF0	--	✓	2155B-0034XP00-25J-4-000	M224	\$14,108.26
5	7.6	30	24	10	G120X	6SL32203YE220UF0	--	✓	2155B-0054XP00-25J-4-000	M224	\$14,362.73
7.5	11	30	24	10	G120X	6SL32203YE240UF0	--	✓	2155B-7P54XP00-25J-4-000	M224	\$14,604.73
10	14	36	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0104XP00-25J-4-000	M224	\$16,150.13
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0154XP00-25J-4-000	M224	\$15,264.26
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-0204XP00-25J-4-000	M224	\$17,314.98
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-0254XP00-25J-4-000	M224	\$19,216.72
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-0304XP00-25J-4-000	M224	\$19,902.68
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-0404XP00-29P-4-000	M224	\$26,319.69
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-0504XP00-29P-4-000	M224	\$30,799.49
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-0604XP00-29P-4-000	M224	\$33,401.42
75	96	60	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-0754XP00-29P-4-000	M224	\$35,628.06
100	124	60	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-1004XP00-29P-4-000	M224	\$38,155.23
125	156	60	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-1254XP00-29P-4-000	M224	\$38,490.04
150	180	60	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-1504XP00-29P-4-000	M224	\$44,511.34
	205	60	36	24	G120	6SL32101PE325UL0	--	✓	2150B-1504XP00-29P-4-000	M234	\$55,290.71

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
Warranty on pp. 201-205
Enclosure Information on p. 200



HP: 1 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ BOP-2 Keypad
Torque: Variable



Shown w/ Optional Floor Stands; Enclosure A/C Included (25 HP - 200 HP)

VFD - Economy Package

Washdown Duty Panel
 NEMA 4X / Siemens G120 Series
 Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4X / Stainless Steel Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient
- Air Conditioner-Stainless Steel
- Combination circuit breaker disconnect: Through-Door

- Easy-to-Use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-0014XP00-25J-4-000	M234	\$
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P54XP00-25J-4-000	M234	\$
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-0024XP00-25J-4-000	M234	\$
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-0034XP00-25J-4-000	M234	\$
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-0054XP00-25J-4-000	M234	\$
7.5	13.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P54XP00-25J-4-000	M234	\$
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-0104XP00-25J-4-000	M234	\$
15	26	30	24	12	G120	6SL32101PE227UL0	✓	--	2050B-0154XP00-25J-4-000	M234	\$
20	32	30	24	12	G120	6SL32101PE233UL0	✓	--	2050B-0204XP00-25J-4-000	M234	\$
25	38	36	30	12	G120	6SL32101PE238UL0	--	✓	2050B-0254XP00-29P-4-000	M234	\$
30	45	36	30	12	G120	6SL32101PE245UL0	--	✓	2050B-0304XP00-29P-4-000	M234	\$
40	60	36	30	12	G120	6SL32101PE260UL0	--	✓	2050B-0404XP00-29P-4-000	M234	\$
50	75	48	36	18	G120	6SL32101PE275UL0	--	✓	2050B-0504XP00-29P-4-000	M234	\$35,646.06
60	90	48	36	18	G120	6SL32101PE288UL0	--	✓	2050B-0604XP00-29P-4-000	M234	\$37,125.88
75	110	48	36	18	G120	6SL32101PE311UL0	--	✓	2050B-0754XP00-29P-4-000	M234	\$40,429.76
100	145	60	36	24	G120	6SL32101PE315UL0	--	✓	2050B-1004XP00-29P-4-000	M234	\$43,664.16
125	178	60	36	24	G120	6SL32101PE318UL0	--	✓	2050B-1254XP00-29P-4-000	M234	\$49,970.69
150	205	60	36	24	G120	6SL32101PE321UL0	--	✓	2050B-1504XP00-29P-4-000	M234	\$49,103.35
200	250	60	36	24	G120	6SL32101PE325UL0	--	✓	2050B-2004XP00-29P-4-000	M234	\$55,290.71

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



Shown w/ Optional Floor Stands; Enclosure A/C Included (25 HP - 200 HP)

VFD - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens G120 Series

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4X / Heavy Duty Enclosure
- Advanced design for maximum cooling
- Combination circuit breaker disconnect: through-door

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓		2150B-0014XP00-25J-4-000	M234	☞
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓		2150B-1P54XP00-25J-4-000	M234	☞
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓		2150B-0024XP00-25J-4-000	M234	☞
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓		2150B-0034XP00-25J-4-000	M234	☞
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓		2150B-0054XP00-25J-4-000	M234	☞
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓		2150B-7P54XP00-25J-4-000	M234	☞
10	18	30	24	12	G120	6SL32101PE227UL0	✓		2150B-0104XP00-25J-4-000	M234	☞
15	26	30	24	12	G120	6SL32101PE233UL0	✓		2150B-0154XP00-25J-4-000	M234	☞
20	32	30	24	12	G120	6SL32101PE238UL0	--	✓	2150B-0204XP00-25J-4-000	M234	☞
25	38	36	30	12	G120	6SL32101PE245UL0	--	✓	2150B-0254XP00-25J-4-000	M234	☞
30	45	36	30	12	G120	6SL32101PE260UL0	--	✓	2150B-0304XP00-25J-4-000	M234	☞
40	60	48	36	18	G120	6SL32101PE275UL0	--	✓	2150B-0404XP00-29P-4-000	M234	\$32,795.70
50	75	48	36	18	G120	6SL32101PE288UL0	--	✓	2150B-0504XP00-29P-4-000	M234	\$36,928.88
60	90	48	36	18	G120	6SL32101PE311UL0	--	✓	2150B-0604XP00-29P-4-000	M234	\$40,429.76
75	110	60	36	24	G120	6SL32101PE315UL0	--	✓	2150B-0754XP00-29P-4-000	M234	\$42,666.01
100	145	60	36	24	G120	6SL32101PE318UL0	--	✓	2150B-1004XP00-29P-4-000	M234	\$46,229.80
125	178	60	36	24	G120	6SL32101PE321UL0	--	✓	2150B-1254XP00-29P-4-000	M234	\$48,694.50
150	205	60	36	24	G120	6SL32101PE325UL0	--	✓	2150B-1504XP00-29P-4-000	M234	\$55,290.71

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



Shown w/ Optional Floor Stands;
 Enclosure A/C Included (25 HP - 200 HP)

VFD - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens G120X Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4X / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0014XP00-23Z-4-000	M224	\$16,503.50
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P54XP00-23Z-4-000	M224	\$16,535.56
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0024XP00-23Z-4-000	M224	\$16,587.16
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0034XP00-23Z-4-000	M224	\$16,658.34
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0054XP00-23Z-4-000	M224	\$16,914.57
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P54XP00-23Z-4-000	M224	\$17,683.35
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0104XP00-23Z-4-000	M224	\$18,007.23
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0154XP00-23Z-4-000	M224	\$19,371.62
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0204XP00-23Z-4-000	M224	\$18,200.97
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-0254XP00-29R-4-000	M224	\$23,500.20
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-0304XP00-29R-4-000	M224	\$24,025.05
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-0404XP00-29R-4-000	M224	\$25,250.79
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-0504XP00-29R-4-000	M224	\$31,486.16
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-0604XP00-29R-4-000	M224	\$33,473.03
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-0754XP00-29R-4-000	M224	\$35,872.53
100	124	60	36	24	G120X	6SL32203YE420UF0	--	✓	2055B-1004XP00-29R-4-000	M224	\$38,627.05
125	156	60	36	24	G120X	6SL32203YE440UF0	--	✓	2055B-1254XP00-29R-4-000	M224	\$43,779.49
150	180	60	36	24	G120X	6SL32203YE460UF0	--	✓	2055B-1504XP00-29R-4-000	M224	\$40,979.83
200	240	60	36	24	G120X	6SL32203YE480UF0	--	✓	2055B-2004XP00-29R-4-000	M224	\$46,404.76

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



Enclosure Air Conditioner
 (40 HP - 150 HP)

VFD - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens G120X Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	10	G120X	6SL32203YE120UF0	--	✓	2155B-0014XP00-23Z-4-000	M224	\$16,517.74
1.5	3	30	24	10	G120X	6SL32203YE140UF0	--	✓	2155B-1P54XP00-23Z-4-000	M224	\$16,590.70
2	3.4	30	24	10	G120X	6SL32203YE160UF0	--	✓	2155B-0024XP00-23Z-4-000	M224	\$16,649.42
3	4.8	30	24	10	G120X	6SL32203YE180UF0	--	✓	2155B-0034XP00-23Z-4-000	M224	\$16,786.47
5	7.6	30	24	10	G120X	6SL32203YE220UF0	--	✓	2155B-0054XP00-23Z-4-000	M224	\$17,039.14
7.5	11	30	24	10	G120X	6SL32203YE240UF0	--	✓	2155B-7P54XP00-23Z-4-000	M224	\$17,282.94
10	14	36	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0104XP00-23Z-4-000	M224	\$18,715.03
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0154XP00-23Z-4-000	M224	\$17,604.59
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-0204XP00-23Z-4-000	M224	\$19,814.65
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-0254XP00-23Z-4-000	M224	\$21,716.39
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-0304XP00-23Z-4-000	M224	\$22,400.68
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-0404XP00-29Q-4-000	M224	\$28,680.27
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-0504XP00-29Q-4-000	M224	\$33,161.61
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-0604XP00-29Q-4-000	M224	\$35,761.98
75	96	60	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-0754XP00-29Q-4-000	M224	\$37,948.13
100	124	60	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-1004XP00-29Q-4-000	M224	\$40,475.32
125	156	60	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-1254XP00-29Q-4-000	M224	\$40,810.08
150	180	60	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-1504XP00-29Q-4-000	M224	\$46,831.40

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



Shown w/ Optional Floor Stands;
 Enclosure A/C Included (25 HP - 200 HP)

VFD - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens G120 Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4X / Stainless Steel Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Air conditioner-stainless steel
- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-0014XP00-26K-4-000	M234	\$13,699.58
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P54XP00-26K-4-000	M234	\$13,751.72
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-0024XP00-26K-4-000	M234	\$13,856.00
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-0034XP00-26K-4-000	M234	\$14,012.43
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-0054XP00-26K-4-000	M234	\$14,520.46
7.5	7.5	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P54XP00-26K-4-000	M234	\$15,505.78
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-0104XP00-26K-4-000	M234	\$16,052.59
15	26	30	24	12	G120	6SL32101PE227UL0	✓	--	2050B-0154XP00-26K-4-000	M234	\$18,285.28
20	32	30	24	12	G120	6SL32101PE233UL0	✓	--	2050B-0204XP00-26K-4-000	M234	\$19,044.66
25	38	36	30	12	G120	6SL32101PE238UL0	--	✓	2050B-0254XP00-29Q-4-000	M234	\$26,677.21
30	45	36	30	12	G120	6SL32101PE245UL0	--	✓	2050B-0304XP00-29Q-4-000	M234	\$27,460.66
40	60	36	30	12	G120	6SL32101PE260UL0	--	✓	2050B-0404XP00-29Q-4-000	M234	\$29,002.15
50	75	48	36	18	G120	6SL32101PE275UL0	--	✓	2050B-0504XP00-29R-4-000	M234	\$38,287.84
60	90	48	36	18	G120	6SL32101PE288UL0	--	✓	2050B-0604XP00-29R-4-000	M234	\$39,770.97
75	110	48	36	18	G120	6SL32101PE311UL0	--	✓	2050B-0754XP00-29R-4-000	M234	\$43,074.86
100	145	60	36	24	G120	6SL32101PE315UL0	--	✓	2050B-1004XP00-29R-4-000	M234	\$46,262.90
125	178	60	36	24	G120	6SL32101PE318UL0	--	✓	2050B-1254XP00-29R-4-000	M234	\$52,567.79
150	205	60	36	24	G120	6SL32101PE321UL0	--	✓	2050B-1504XP00-29R-4-000	M234	\$51,700.46
200	250	60	36	24	G120	6SL32101PE325UL0	--	✓	2050B-2004XP00-29R-4-000	M234	\$57,889.46

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens G120 Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient



Enclosure Air Conditioner
 Not Shown (40 HP - 150 HP)

powered by
SIEMENS



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4X / Stainless Steel Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty or OPTIONAL three (3) year warranty w/ "Lightning & Surge" Protection INCLUDING NAE's "No Hassle" Chassis Exchange Program

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-0014XP00-23Z-4-000	M234	☞
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P54XP00-23Z-4-000	M234	☞
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-0024XP00-23Z-4-000	M234	☞
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-0034XP00-23Z-4-000	M234	☞
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-0054XP00-23Z-4-000	M234	☞
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P54XP00-23Z-4-000	M234	☞
10	18	30	24	12	G120	6SL32101PE227UL0	✓	--	2150B-0104XP00-23Z-4-000	M234	☞
15	26	30	24	12	G120	6SL32101PE233UL0	✓	--	2150B-0154XP00-23Z-4-000	M234	☞
20	32	30	24	12	G120	6SL32101PE238UL0	--	✓	2150B-0204XP00-23Z-4-000	M234	☞
25	38	36	30	12	G120	6SL32101PE245UL0	--	✓	2150B-0254XP00-23Z-4-000	M234	☞
30	45	36	30	12	G120	6SL32101PE260UL0	--	✓	2150B-0304XP00-23Z-4-000	M234	☞
40	60	48	36	18	G120	6SL32101PE275UL0	--	✓	2150B-0404XP00-29Q-4-000	M234	\$35,305.09
50	75	48	36	18	G120	6SL32101PE288UL0	--	✓	2150B-0504XP00-29Q-4-000	M234	\$39,439.91
60	90	48	36	18	G120	6SL32101PE311UL0	--	✓	2150B-0604XP00-29Q-4-000	M234	\$42,939.15
75	110	60	36	24	G120	6SL32101PE315UL0	--	✓	2150B-0754XP00-29Q-4-000	M234	\$45,132.36
100	145	60	36	24	G120	6SL32101PE318UL0	--	✓	2150B-1004XP00-29Q-4-000	M234	\$48,696.14
125	178	60	36	24	G120	6SL32101PE321UL0	--	✓	2150B-1254XP00-29Q-4-000	M234	\$51,160.81
150	205	60	36	24	G120	6SL32101PE325UL0	--	✓	2150B-1504XP00-29Q-4-000	M234	\$57,757.04

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

☞ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 195-196
 Warranty on pp. 201-205
 Enclosure Information on p. 200



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

2000 SERIES	SIEMENS - VARIABLE FREQUENCY DRIVE (VFD) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
PUSHBUTTONS		
004	Start Pushbutton	\$171.40
005	Stop Pushbutton	\$171.40
043	Start / Stop Pushbutton	\$234.74
007	Jog Pushbutton	\$171.40
009	Raised Pushbutton - Specify Color and Function	\$171.40
010	Flush Pushbutton - Specify Color and Function	\$188.79
011	Mushroom Type Pushbutton - Specify Color and Function	\$262.69
012	Illuminated Pushbutton - Specify Color and Function	\$345.28
008	Soft Start or VFD Chassis Reset Pushbutton	\$171.40
PILOT LIGHTS (REQUIRES TRANSFORMER)		
006	Run Light	\$197.48
013	Stop Light	\$197.48
023	Power On Light	\$197.48
014	Fault Light	\$197.48
015	Ready Light	\$197.48
016	Bypass Light	\$197.48
017	Red Light - Specify Function	\$197.48
018	Green Light - Specify Function	\$197.48
019	Amber Light - Specify Function	\$197.48
020	White Light - Specify Function	\$197.48
021	Blue Light - Specify Function	\$197.48
022	Push to Test Contact Assembly	\$197.48
065	High Visibility Status Light (PLC may required for complete functionality)	\$309.26
SELECTOR SWITCHES		
024	Hand/Off/Auto / HOA Selector Switch	\$247.78
025	Local - Off - Remote Selector Switch	\$247.78
026	Key Operated Hand - Off - Auto Selector Switch	\$409.86
002	Two Position Selector Switch - Specify Function	\$201.21
003	Three Position Selector Switch - Specify Function	\$244.06
027	Other Selector Switch - Specify Function and Type	☎
POTENTIOMETERS		
032	1 Turn Potentiometer - (NEMA 3R, NEMA 4 and NEMA 12)	\$181.34
033	10 Turn Potentiometer - (NEMA 3R, NEMA 4 and NEMA 12)	\$181.34
METERS		
028	Ammeter	\$396.20
029	Voltmeter	\$396.20
030	Elapsed Time Meter	\$293.12
031	Other Power Metering - Specify Function	☎
TIMERS		
037	24/7 Programmable timer	\$149.04
116	0-10 Minute Restart (Back Spin) Timer	\$186.30
156	Percentage Timer	\$517.50
OTHER DOOR MOUNTED OPTIONS		
044	Door Mounted Keypad	\$316.71
045	Lockable Metal Protective Cover (Solid) for Door Mounted Keypad	\$658.26
055	Lockable Metal Protective Cover (Windowed) for Door Mounted Keypad	\$658.26
066	Plastic Protective Cover (NEMA 4X/IP66) for Door Mounted Keypad	\$670.68
ADVANCED FAULT/ STATUS MONITORING OPTIONS		
110	Stack / Tower Light - 360° Visibility (Red / Yellow / Green) w/ 6' Cable	\$894.24
040	Murphy Switch Interface W/ Fault Recall Function	\$1,978.51
067	Siemens SIMATIC HMI TP 700, Touch Operation, 7" Widescreen-TFT-Display3 (PLC Required)	\$3,129.84
052	Two Way Cellular Communication & Functionality	☎
200	6AV21252GB030AX0 Siemens SIMATIC Mobile 2nd Generation HMI KTP700 Panel3 (PLC Required)	\$6,197.58
201	6AV21252AE030AX0 SIMATIC HMI connection box compact for mobile panels	\$469.48
202	6AV21815AG800AX0 Wall holder, Type 13 for KTP700 mobile without attachment parts, incl. cable tray	\$332.86
203	6AV21815AF020AX0 SIMATIC HMI connecting cable for mobile, Length 2 m (6.56 ft)	\$404.90
204	6AV21815AF050AX0 SIMATIC HMI connecting cable for mobile, length 5 m (16.40 ft)	\$504.26
205	6AV21815AF080AX0 SIMATIC HMI connecting cable for mobile, Length 8 m (26.24 ft)	\$616.04
206	6AV21815AF100AX0 SIMATIC HMI connecting cable for mobile, length 10 m (32.80 ft)	\$675.65
207	6AV21815AF150AX0 SIMATIC HMI connecting cable for mobile, Length 15 m (49.21 ft)	\$811.03
208	6AV21815AF200AX0 SIMATIC HMI connecting cable for mobile, Length 20 m (65.61 ft)	\$946.41
209	6AV21815AF250AX0 SIMATIC HMI connecting cable for mobile, Length 25 m (82.02 ft)	\$1,020.93
061	Cloud Based Remote Monitoring	☎








VARIABLE FREQUENCY DRIVE (VFD) PANEL OPTIONS

2000 SERIES	SIEMENS - VARIABLE FREQUENCY DRIVE (VFD) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
SIEMENS DRIVE CHASSIS OPTIONS		
073	G120X I/O Expansion Module	\$715.00
074	G120/G120X Smart Access Module	\$415.00
PROGRAMMABLE RELAY OPTIONS		
150	PLC-6ES72121HE400XB0 - SIMATIC S7-1200, CPU 1212C - (Includes Power Supply Module)	\$378.81
151	PROG-RELAY-LRE08RA240 - Expansion Module, Programmable Relay	\$204.93
PROGRAMMABLE LOGIC CONTROLLERS (PLC) OPTIONS		
152	PLC-6ES72121HE400XB0 - SIMATIC S7-1200, CPU 1212C - (Includes Power Supply Module)	\$647.09
153	PLC-6ES72141HE400XB0 - SIMATIC S7-1200, CPU 1214C - (Includes Power Supply Module)	\$885.56
154	PLC-6ES72231PH320XB0 - S7-1200 Expansion Module, Digital Input	\$340.31
155	PLC-6ES72314HA300XB0 - SIMATIC S7-1200, CPU Analog Input	\$162.71
SENSOR OPTIONS		
100	4-Wire Micro DC Cord Set, Straight Connector, Coupling Nut, Black PUR Jacket, 5 Meter	\$54.00
101	4-Wire Micro DC Cord Set, Straight Connector, Coupling Nut, Gray PUR Jacket, 10 Meter	\$71.00
102	Pressure Transducer, 0 - 100 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
103	Pressure Transducer, 0 - 200 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
104	Pressure Transducer, 0 - 250 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
105	Pressure Transducer, 0 - 500 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
106	Level Transducer	☎
FUSES		
-	We Stock Fuses (including VFD High Speed) for Convenience. Please Call for Pricing.	☎
SPACE HEATERS		
034	Space Heater with Thermostat	\$529.10
PROTECTION MECHANISMS		
041	Surge suppressor	\$381.30
115	SymCom MotorSaver® Model 460	\$253.37
064	dV / dT Filters	☎
062	IEEE 519 Passive Harmonic Filter	☎
063	"Lightning and Surge" Protection (pp. 203 - 204) - All panels will include line side lightning, surge and severe over voltage protection, which comprises one (1) additional year of warranty coverage on the entire panel. In addition, all soft starter & VFD panels will include load side single phasing, phase reversal and voltage unbalance protection, and are eligible for NAE's "No Hassle" Chassis Exchange Program	\$1,552.50
MAIN LINE ONLY BOXES		
070	Main Line Only Box: 20" Tall, 16" Wide , 12" Depth	\$2,234.36
071	Main Line Only Box: 20" Tall, 20" Wide , 12" Depth	\$2,979.56
072	Main Line Only Box: 20" Tall, 24" Wide , 12" Depth	\$6,953.96
FLOOR STANDS		
SPFSK-1212-W	2 Legs; 12" Tall, 12" Depth	\$276.97
SPFSK-1214-W	2 Legs; 12" Tall, 14" Depth	\$310.50
SPFSK-1216-W	2 Legs; 12" Tall, 16" Depth	\$310.50
SPFSK-1220-W	2 Legs; 12" Tall, 20" Depth	\$342.80
SPFSK-1224-W	2 Legs; 12" Tall, 24" Depth	\$372.60
SPFSK-624-W	2 Legs; 6" Tall, 24" Depth	\$372.60
SPFSK-1212-N4X	2 Legs; 12" Tall, 12" Depth, NEMA 4X 304 Stainless Steel	\$1,050.74
SPFSK-1218-N4X	2 Legs; 12" Tall, 18" Depth, NEMA 4X 304 Stainless Steel	\$1,259.39
SPFSK-1224-N4X	2 Legs; 12" Tall, 24" Depth, NEMA 4X 304 Stainless Steel	\$1,327.70

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.



<p>DATA SHEET</p>	<p>INTELLIGENT OPERATOR PANEL (IOP-2) 6SL3255-0AA00-4JA2</p>
	<p>IOP-2 KEY FEATURES: HIGH-CONTRAST COLOR DISPLAY 320 X 240 PIXELS, MEMBRANE KEYBOARD WITH CENTRAL SENSOR CONTROL</p> <p>SIMATIC IOP-2 Intelligent Operator Panel The IOP-2 supports both newcomers and drive experts. Thanks to the membrane keyboard with a central sensor control field, high-contrast color displays, menu-based operation and application wizards, it is easy to commission drives. A drive can be essentially commissioned without having to use a printed parameter list – as the parameters are displayed in plain text, and explanatory help texts and the parameter filtering function are provided.</p>
<p>DATA SHEET</p>	<p>HUMAN MACHINE INTERFACE PANEL 6AV2124-0GC01-0AX0</p>
	<p>SIMATIC HMI TP700 COMFORT PANEL, TOUCH OPERATION, 7" WIDESCREEN-TFT-DISPLAY, 16 MIL. COLORS, Profinet INTERFACE, MPI/PROFIBUS DP INTERFACE, 12 MB USER MEMORY, WINDOWS CE 6.0, CONFIGURABLE FROM WINCC COMFORT V11</p> <p>SIMATIC HMI TP700 Comfort Panel For operator control and monitoring, SIMATIC HMI products are "state of the art". They are the intelligent response to increasingly complex processes and stringent requirements for the operation of machines and plants.</p> <p>They feature state-of-the-art technology, outstanding performance as well as integrated functionality from size 7" or larger.</p> <p>The new SIMATIC HMI Comfort Panels are seamlessly integrated in the TIA Portal via WinCC. This innovative engineering framework represents the key to the full performance capacity of Totally Integrated Automation.</p>
<p>DATA SHEET</p>	<p>MOBILE 2ND GENERATION HMI PANEL 6AV2125-2GB03-0AX0</p>
	<p>SIMATIC HMI KTP700 MOBILE, 7.0" TFT DISPLAY, 800x 480 PIX-EL, 16m COLORS, KEY AND TOUCH OPERATION, 8 FUNCTION KEYS, 1x Profinet/INDUSTRIAL ETHERNET INTERFACE, 1x MULTIMEDIA CARD, 1x USB, CONFIGURABLE FROM WINCC COMFORT V13 SP1</p> <p>SIMATIC HMI KTP700 Mobile 2nd Gen Panel SIMATIC HMI Mobile Panels 2nd generation offer even more performance, flexibility, convenience and quality — making operation and monitoring even safer and more efficient. They transfer the functionality and performance of SIMATIC HMI Comfort Panels to mobile control units. Users benefit from more flexibility and convenience. They are ideally suited for small machines with small footprints. The compact connection box is easily mounted directly onto the control cabinet.</p>
<p>DATA SHEET</p>	<p>SINAMICS G120X I/O EXTENSION MODULE 6SL3255-0BE00-0AA0</p>
	<p>SIEMENS SINAMICS G120X I/O EXTENSION MODULE EXTENDS THE I/O FOR G120X DRIVES:</p> <ul style="list-style-type: none"> • Number of digital inputs 2 • Number of digital outputs 4 • Number of analog inputs 2 • Number of analog outputs 2
<p>DATA SHEET</p>	<p>SINAMICS SMART ACCESS MODULE 6SL3255-0AA00-5AA0</p>
	<p>MOBILE COMMISSIONING, DIAGNOSTICS, AND SERVICE OF CONVERTERS THE SINAMICS SMART ACCESS MODULE ENABLES YOU TO WIRELESSLY CONNECT YOUR MOBILE DEVICES (SMARTPHONE, TABLET, LAPTOP) TO THE SINAMICS G120, G120C, G120X AND G115D CONVERTERS.</p> <p>Highlights: Wireless access to the converter via mobile devices One tool for wireless commissioning, diagnostics, and service Intuitive user interface, menu guidance and assistance</p>

SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



Advanced Tunnel Design for Maximum Cooling

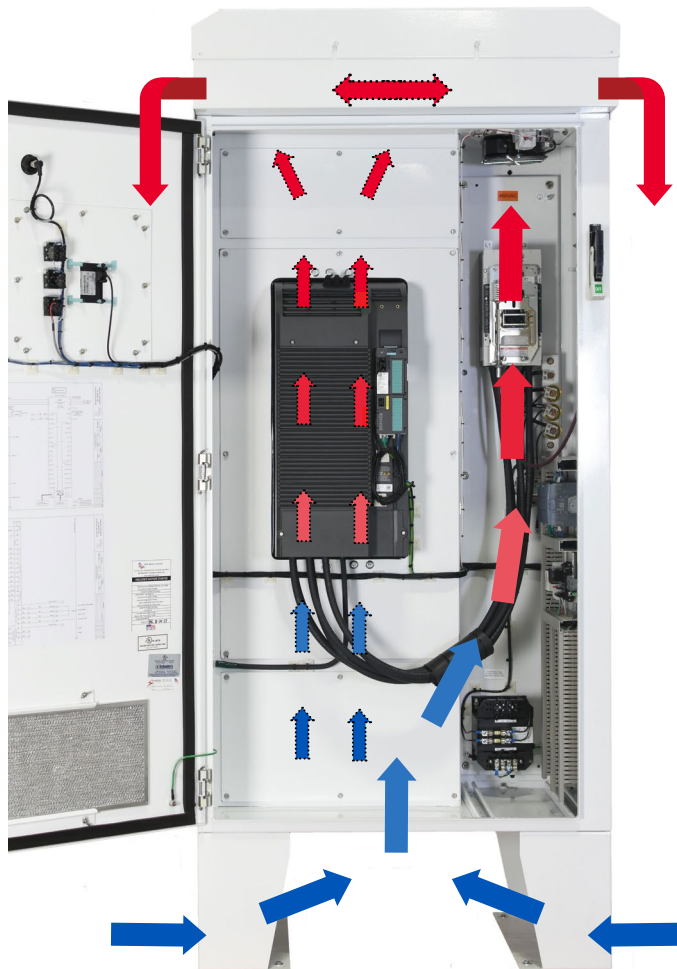
NAE's Vortex™ Cooling Tunnel is designed for select Variable Frequency Drive NEMA 3R Enclosures. This innovative design efficiently maximizes cooling of drive components and significantly reduces contamination inside the Enclosure.

Contact customer service at 800.884.0404 for more information



VORTEX™
COOLING TUNNEL

Patent Pending



Top



Side



Back



Bottom



powered by
SIEMENS

Features:

- 53" and up
- NEMA 3R only
- 40°C / 104°F VT; 50°C / 122°F CT (V20 and G120)
- 45°C / 113°F VT and CT (G120X)
- Significantly reduces contaminants



SAFETY SWITCH/
DISCONNECT

ACROSS THE LINE
STARTER

PART WIND
STARTER

SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX



Motor Control Panel Customization Made Easy!



NAE Motor Controls offers customers the ability to custom configure and order their control panel to meet their specific needs and have it shipped quickly. We offer control panels from across the line panels to variable frequency drives and everything in between.

NAE Motor Controls can package the most common controls to the most complex control systems. All NAE packaged panels are backed by our two (2) year warranty and eligible for up to six (6) years of protection with our “No Hassle” Chassis Exchange Program.

Contact customer service at 800.884.0404 to get your order started today!



Why choose NAE for your custom panel needs?



Safety is Standard!

UL 508A certified motor control panels.

NAE is a certified UL 508A panel shop building panels to meet customer requirements and provide UL safety standards that assures we take every step necessary to make our products safe.

We provide standard solutions to custom designs that are engineer reviewed and factory tested to meet all UL standards.


Choose North American Electric for your control panels where we make Motor Controls Easy and Safety Standard!

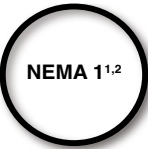


NEMA Enclosure Types

The National Electrical Manufacturers Association (NEMA) defines standards used in North America for various- grades of electrical enclosures typically used in industrial applications. Each is rated to protect against personal access to hazardous parts, and additional type-dependent designated environmental conditions. A typical NEMA enclosure might be rated to provide protection against environmental hazards such as water, dust, oil or coolant or atmospheres containing corrosive agents such as acetylene or gasoline. A full list of NEMA enclosure types is available from the NEMA website.

	Indoor	Protection to Personnel (Against Access to Hazardous Parts)	Falling Dirt	Windblown Dust	Circulating Dust, Lint Fibers	Dripping/ Light Splashing	Outdoor	"Knockout" Construction Ok	Rain	Sleet	Snow	External Protection from Ice	Splashing Water	Hose Directed Water	Corrosion
NEMA 1	✓	✓	✓												
NEMA 3R	✓	✓	✓				✓	✓	✓	✓	✓	✓			
NEMA 3RX	✓	✓	✓				✓	✓	✓	✓	✓	✓			✓
NEMA 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEMA 4X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEMA 12	✓	✓	✓	✓	✓	✓									







NEMA 1^{1,2}

General-purpose.

- Protects against dust, light, and indirect splashing but not dust-tight; primarily prevents contact with live parts.
- General indoor use and under normal atmospheric conditions.







NEMA 3R^{1,2}

Weather-resistant.

- Protects against falling dirt, rain, sleet and snow.
- General outdoor use for electrical components, power distribution, switch gears, etc.







NEMA 3RX^{1,2}

Weather-resistant.

- Protects against falling dirt, rain, sleet and snow.
- Protects against external ice formation that can cause corrosion
- General indoor or outdoor use for electrical components, power distribution, switch gears, etc.







NEMA 12^{1,2}

General-purpose.

- Protects against dust, falling dirt, and dripping non-corrosive liquids.
- General indoor use for Industrial, manufacturing, and machining applications.







NEMA 4^{1,2}

Watertight and dustproof.

- Protects against falling dirt, rain, sleet, snow, windblown and circulating dust, and dripping.
- General indoors or outdoors use for ship docks, dairies, breweries, and wastewater treatment plants.





NEMA 4X^{1,2}

Corrosion resistant, watertight, and dust proof.

- Protects against falling dirt, rain, sleet, snow, windblown and circulating dust, dripping and corrosive agents.
- General indoors or outdoors use for ship docks, dairies, breweries, and wastewater treatment plants.

*** Notes:**

1. NEMA Enclosure Types (from NEMA 250-2013)
2. NEMA/IEC enclosure ratings, Cole-Parmer Technic



SAFETY SWITCHES/ DISCONNECT
 ACROSS THE LINE STARTERS
 PART WIND STARTERS
 SOFT STARTERS
 VARIABLE FREQUENCY DRIVES
 APPENDIX

MOTOR CONTROLS WARRANTY POLICY & PROCEDURES

North American Electric, LLC warrants to that all products will conform to final specifications and/or drawings and will be free from defects in materials and workmanship. Special build panels will require the final specifications and drawings to be approved in writing by the Buyer before being released for production. The warranty shall remain in effect for a period specified for each product line (24, 36 or 60 months) from the date of the invoice. See warranty period for each product line below:

CHASSIS

Soft Start Chassis:

Siemens Soft Starter Chassis:.....24 months from date of invoice
 – 3RW30 Series, 3RW40 Series, 3RW44 Series

Variable Frequency Drive Chassis:

LSis VFD Chassis.....24 months from date of invoice
 – C100 Series, S100 Series, S100-4X Series, H100 Series, iS7 Series

Siemens VFD Chassis:.....24 months from date of invoice
 – V20 Series, G120 Series, G120X Series, G130 Series

ENCLOSED PANEL PACKAGES

Safety Switches, ATLS and PWS Panels:

Heavy Duty Safety Switches24 months from date of invoice
 Heavy Duty Safety Switches with “**Lightning & Surge**” Protection36 months from date of invoice

Across the Line Starter Panels24 months from date of invoice

Part Wind Starter Panels24 months from date of invoice

Reduced Voltage Soft Starter Panels:

General Purpose & Washdown Duty Soft Starters24 months from date of invoice
 – Normal Duty and Heavy Duty

SAF Crusher/Ultra Heavy Duty Soft Starters.....60 months from date of invoice
 (SAF Opal Pro M6 Series; Warranty Includes SCRs)

SAF Ultra Heavy Duty Soft Starters60 months from date of invoice
 (SAF Opal Pro M6 Series; Warranty Includes SCRs)

Variable Frequency Drive Panels:

General Purpose & Washdown Duty – Non-Combo & Economy Panel Pkg.....24 months from date of invoice
 – Variable Torque and Constant Torque

General Purpose & Washdown Duty – Standard Panel Packages24 months from date of invoice
 – Variable Torque and Constant Torque

General Purpose – Integrator Packages24 months from date of invoice
 – Variable Torque and Constant Torque

Special Purpose – Irrigation Pump Panel Packages36 months from date of invoice
 with “**Lightning & Surge**” Protection
INCLUDING “No Hassle” Chassis Exchange Program

Special Purpose – Positive Displacement Pump Panel Packages.....36 months from date of invoice
 Standard, Advanced and Deluxe Panel Packages
 with “**Lightning & Surge**” Protection
INCLUDING “No Hassle” Chassis Exchange Program

Special Purpose – Beam Pump Panel Package36 months from date of invoice
 with “**Lightning & Surge**” Protection
INCLUDING “No Hassle” Chassis Exchange Program

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



Special Purpose – Custom / Build To Order Panel Package24 months from date of invoice
(Customer must review, approve and sign drawings prior to panel being released for production)

Parts replaced or repaired in the warranty period shall carry the full warranty; the balance of the equipment will carry the unexpired portion of the original warranty. The liability of the Seller hereunder is limited to replacing or repairing any part or parts which are defective or do not conform to such specifications and drawings provided that such part or parts are returned within ninety (90) days from the date such defect is discovered. The Seller shall have the sole right to determine if the parts are to be repaired at the job site or whether they are to be returned to the Seller’s facility for repair or replacement.

If the Seller has determined warranty part or parts are to be repaired at the job site, a purchase order must be issued for traveling and living expenses. All items returned to Seller for repair or replacement must be accompanied by an RMA number with all the necessary information required by the Seller. Shipping charges for incoming part or parts to be repaired or replaced will be at the Buyer’s expense. The above conditions must be met if warranty is to be valid. Seller will not be liable for any damage done by unauthorized repair work, unauthorized replacement parts, from any misapplication of the product, or for damage due to accident, abuse, or act of God.

Seller makes no warranties, express or implied including any warranty as to merchantability or fitness for a particular use. Seller is not liable for and Purchaser waives any right of action it has or may have against seller for any consequential or special damages arising out of any breach of warranty, and for any damages Purchaser may claim for damage to any property or injury or death to any person arising out of its purchase or the use, operation or maintenance of the product. Seller will not be liable for any labor subcontracted or performed by Purchaser for preparation of warranted item for return to Seller’s facility or for preparation work for field repair or replacement. Invoicing of Seller for labor either performed or subcontracted by Purchaser will not be considered as a liability by the Seller.

North American Electric’s liability under this warranty or any other warranty whether expressed or implied in law or fact shall be limited to the repair or replacement of defective material and workmanship, and in no event shall North American Electric, LLC be liable for consequential or indirect damages, including freight.

“LIGHTNING & SURGE” PROTECTION

NAE offers this enhanced warranty for Soft Starter and VFD panel packages which includes protection against line side lighting, surge and server over voltage protection, and comprise of one (1) additional year of warranty coverage on the entire panel. Added load side protection includes single phasing, phase reversal and voltage imbalance. This enhanced warranty also includes our “No Hassle” Chassis Exchange Program. Please visit https://www.naemotors.com/No_Hassle_Chassis/ for details regarding our Lightning and Surge Protection Warranty and our “No Hassle” Chassis Exchange Program.

NOTE: This protection is not designed to withstand nor does it cover load side (downstream) lightning strikes or direct lightning strikes to the motor control panel. The panel must be properly grounded.

ELECTRIC MOTOR CONTROLS WARRANTY PROCEDURE

Step 1: If you have Lightning & Surge Protection which includes our No Hassle Chassis Exchange Program please visit Terms & Conditions of Sale For No Hassle Exchange Program ([Link](#)) for detailed instructions on how to proceed. If you do NOT have Lightning & Surge Protection then skip **Step 1** and proceed to **Step 2**.

Step 2: Have the motor control inspected by a qualified service shop to determine if the problem is a result of defects in materials and/ or workmanship. If the problem is a result of defects in materials and / or workmanship North American Electric, LLC will pay a reasonable inspection fee for the inspection that will include a written warranty report that describes the cause of failure along with photographs that show, in detail, what is described in the warranty report.

Step 3: Contact our warranty department and be prepared to provide the following information and documentation:

1. Serial Number
2. Model Number
3. Inspection / Failure Report
4. Photographs showing the cause of failure
5. Estimated cost of repair

Step 4: Our Warranty department will determine whether to replace or repair the defective motor control. DO NOT repair any motor control without prior written purchase order from North American Electric, LLC Always be sure to take clear, well lit photographs before beginning any repair work.

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



TERMS & CONDITIONS OF SALE FOR NO HASSLE EXCHANGE PROGRAM WITH LIGHTNING & SURGE PROTECTION

Terms & Conditions

“NO HASSLE” CHASSIS EXCHANGE PROGRAM

North American Electric’s (aka NAE) “No Hassle” Chassis Exchange Program is a revolutionary motor control panel warranty designed to keep you up and running. Our “No Hassle” Chassis Exchange Program makes it easy to exchange your Soft Starter or VFD chassis without needlessly having to purchase a chassis while at the same time minimizing unplanned downtime. Should your Soft Starter or VFD panel’s chassis fail, NAE will promptly ship a new or refurbished chassis for the duration of your selected warranty. Your entire panel is further protected with our three (3) year “Bumper to Bumper” coverage, even protecting against **line side** anomalies such as lightning, surges and severe overvoltage events, and **load side** anomalies such as single phasing, phase reversal and voltage unbalance. Your panel must be installed by an NAE Authorized or Certified Installer to qualify.

“NO HASSLE” CHASSIS EXCHANGE PROGRAM WARRANTY with “LIGHTNING & SURGE” PROTECTION

Soft Starter and VFD panel packages **must include “Lightning & Surge” Protection** to be eligible for our “No Hassle” Chassis Exchange Program Warranty. As an option, you can purchase “Lightning & Surge” Protection (LIST Price = \$949) which will automatically include our “No Hassle” Chassis Exchange Program Warranty on any Soft Starter or VFD panel packages.

“Lightning & Surge” Protection

“Lightning & Surge” Protection covering momentary anomalies such as:

- **Line side** events: lightning, surges and severe overvoltage
- **Load side** events: single phasing, phase reversal, and voltage unbalance

NOTE: This protection is not designed to withstand nor does it cover load side (downstream) lightning strikes or direct Lightning strikes to the motor control panel. The panel must be properly grounded.

The “No Hassle” Chassis Exchange Program Warranty must be activated (See [“Obligations of the Customer”](#)).

If the panel is installed by a North American Electric Authorized Installer, then the warranty period shall be three (3) years from the date of delivery. If the panel is installed by a North American Electric Certified Installer, then the warranty period shall be three (3) years from the date of installation. NAE Certified Installers have six (6) months from the date of delivery to commission the control panel, otherwise the warranty period shall be three years from the date of delivery. Chassis Exchange Program Warranty benefits include:

- “Bumper to Bumper” coverage of the entire panel package from 0 – 36 months from date of delivery
- Repair, replacement or credit of a panel package that is found to be defective due to faulty manufacture, design and/or defective materials
- Factory installed options sold with the panel package
- Cost of replacement parts or replacement of the chassis
- Cost of labor for repair work
- “Lightning & Surge” Protection covering momentary anomaly events:
 - **Line Side:** Lightning, Surge and Severe Overvoltage
 - **Load Side:** Single Phasing, Phase Reversal and Voltage Unbalance
- “No Hassle” Chassis Exchange Program offering same day shipment of exchanged chassis (Next Day Air, Second Day Air and Hot Shot Service are available for an additional charge)

OPTIONAL EXTENDED WARRANTIES

You may purchase and extend your panel’s aforementioned “No Hassle” Chassis Exchange Program warranty to provide additional protection for up to six (6) years by selecting one of the following:

Extended Warranty for the “Chassis Only”

An Extended Warranty for the Chassis Only” may be implemented providing up to six (6) years of coverage from the date of purchase by adding 3% of the total purchase price of the panel per year for years four (4), five (5) and six (6).

Extended “Bumper to Bumper” Warranty for the Entire Panel

An Extended “Bumper to Bumper” Warranty for the entire panel may be implemented providing up to six (6) years of coverage from the date of purchase by adding 5% of the total purchase price of the panel per year for years four (4), five (5) and six (6).

OBLIGATIONS OF THE CUSTOMER

NAE’s revolutionary “No Hassle” Chassis Exchange Program with Lightning & Surge Protection is intended for Soft Starter and VFD panels which can be shipped to and repaired utilizing our authorized chassis repair facility (See “No Hassle” Chassis Exchange Program Claim Procedures). The customer is required to have an Authorized or Certified Installer activate this warranty by following our “Start Up and Installation Requirements”.

Start Up and Installation Requirements

The Soft Starter and VFD panel must be installed by a NAE Authorized or Certified Installer. A NAE Chassis Exchange Program Installation Form must be filled out and submitted to North American Electric, LLC within fifteen (15) days from the date the panel is installed and prior to any claim or the “No Hassle” Chassis Exchange Program Warranty with “Lightning & Surge” Protection is considered void. Certified Installer classes are offered in Hernando, Mississippi. You can find updated information on the following topics at the link listed below:

- How to become an NAE Authorized Installer
- How to become an NAE Certified Installer
- NAE Chassis Exchange Program Installation Form
- NAE University Class Schedule

www.naemotors.com/chassisexchangeprogram

“No Hassle” Chassis Exchange Program Claims Procedures: What You Must Do

- 1) Contact North American Electric, LLC and open a claim for your failed Soft Starter or VFD chassis

Refer to our “**Electric Motor Controls Warranty Claim Procedure**”

- 2) Issue a purchase order for a replacement Soft Starter or VFD chassis
- 3) Return the defective chassis to North American Electric, LLC for warranty inspection
- 4) If the failure is due to defective materials and/or workmanship then NAE will credit you for the replacement chassis
- 5) If the failure is not due to defective materials and/or workmanship then you will be responsible for payment of the replacement invoice

WARRANTY EXCLUSIONS

- 1) Any loss or damages caused by an improperly grounded panel
- 2) Any loss or damages caused by a defective product
- 3) Any costs and expenses resulting from on site repair
- 4) Travel costs and expenses resulting from on site repair
- 5) Dismantling, installation or commissioning of the product
- 6) Defects caused by normal wear and tear or external factors, such as:
 - a. Incorrect grounding of the panel
 - b. Incorrect installation
 - c. Incorrect operation and maintenance
 - d. Improper connection to peripheral or third party products
 - e. Use of unauthorized spare parts
 - f. Modification or repair performed by a person not authorized by North American Electric, LLC
 - g. Natural disaster
 - h. Connection to irregular voltage sources
 - i. Operation outside the usage of parameters stated in the user’s manual
 - j. Lightning & Surge Protection that is disabled
- 7) Peripheral items and options not purchased with the drive
- 8) Cost of freight to ship product from installation to North American Electric, LLC repair facility and back
- 9) Customs duties and taxes

This “No Hassle” Chassis Exchange Warranty Protection is being offered by North American Electric, LLC The manufacturer of the chassis is not liable for any claims made under this warranty. All claims should be made directly with North American Electric, LLC

TERMS & CONDITIONS

Credit Terms and Conditions:

Credit terms are net 30 days from date of invoice. Outstanding balances are subject to an interest rate of 1.5% per month. Customer will be responsible for all collection cost, court cost and legal fees incurred to collect delinquent balances. It is understood that billing of all accounts and credit are processed through the headquarters of North American Electric, LLC in Hernando, Mississippi and that Hernando, Mississippi is venue for litigation. The customer waives the right to litigate outside of DeSoto County, Mississippi.

NOTE: There will be a \$35 service fee for each returned check to cover administrative costs and bank fees.

Freight Policy:

- All shipments are F.O.B. shipping point
- All residential and limited access LTL shipments are subject to additional charges. (See special note under Build To Order Products)

Fractional HP Motors:

- 1 – 5 Pieces: **FedEx Ground** = Prepay and bill
- 6 – 24 Pieces: **LTL Shipments** = Prepay and bill 10% of invoice / \$100 Minimum
- 25+ Pieces: **LTL Shipments** = Freight Allowed

Electric Motors / Electric Motor Controls / Gearing & Accessories:

- \$0 to \$4,999 = Prepay and bill 10% of invoice / \$100 Minimum
- \$5,000 and above = Freight Allowed

Build to Order Products:

Freight Collect or Prepay and bill

NOTE: For large control panels that NAE identifies as needing special handling, the customer will be required to ship those panels with a carrier that can provide special handling services in order to reduce the risk of damage during transit. NAE can recommend a carrier to provide the special handling service, and can arrange the shipment upon request.

Restocking Policy:

All returned goods are subject to prior approval and must be accompanied by a return material authorization (RMA) number. These goods must be returned within 90 days, freight prepaid, in new condition and in original packaging. A 15% restocking charge will be applied.

Built to Order Return Policy:

Goods that are **built to order** may not be returned. **Built to order** is defined as an order that is not placed into production until a confirmed order for that product is received.

Motor Controls Order Cancellation Policy:

All purchase orders that are cancelled are subject to the following fee schedule:

- Upon Receipt of Order – no charge
- After first draft of drawings have been submitted to customer – 15% of the purchase price of the control panel or panels.
- After customer approves the drawings – 25% of the purchase price of the control panel or panels.
- After production begins – 100% of the purchase price of the control panel or panels.
- After production is complete – 100% of the purchase price of the control panel or panels.

Pricing Policy:

Pricing will be assigned based on annual purchase volume. A **LIST PRICE** sheet along with a **discount multiplier sheet** will be provided to you by our sales department. If you have any questions concerning your pricing please contact our sales office at (800) 884-0405.

Prices are subject to change without notice.

Effective: July 26, 2022

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

1	1100B-0303RHT2-28S-4-00025, 27	1100F-0753RHT2-28S-4-00026, 28
1000B-1P54XHT1-28S-2-000 22	1100B-0403RHT2-24S-2-00025, 27	1100F-1003RHT2-24S-4-00026, 28
1000B-1P54XHT1-28S-4-000 23	1100B-0403RHT2-24S-4-00025, 27	1100F-1003RHT2-28S-4-00026, 28
1000B-7P54XHT1-28S-2-000 22	1100B-0403RHT2-28S-2-00025, 27	
1000B-7P54XHT1-28S-4-000 23	1100B-0403RHT2-28S-4-00025, 27	2
1000B-0014XHT1-28S-2-000 22	1100B-0503RHT2-24S-2-00025, 27	2010B-025T3P00-23S-C-000 148
1000B-0014XHT1-28S-4-000 23	1100B-0503RHT2-24S-4-00025, 27	2010B-025T3P00-25J-C-000 146
1000B-0024XHT1-28S-2-000 22	1100B-0503RHT2-28S-2-00025, 27	2010B-025T3P01-27V-C-000 176
1000B-0024XHT1-28S-4-000 23	1100B-0503RHT2-28S-4-00025, 27	2010B-030T3P00-23S-C-000 148
1000B-0034XHT1-28S-2-000 22	1100B-0603RHT2-24S-2-00025, 27	2010B-030T3P00-25J-C-000 146
1000B-0034XHT1-28S-4-000 23	1100B-0603RHT2-28S-2-00025, 27	2010B-030T3P01-27V-C-000 176
1000B-0054XHT1-28S-2-000 22	1100B-0603RHT2-28S-4-00025, 27	2010B-040T3P00-23S-C-000 148
1000B-0054XHT1-28S-4-000 23	1100B-0753RHT2-24S-2-00025, 27	2010B-040T3P00-25J-C-000 146
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1000B-0104XHT1-28S-4-000 23	1100B-0753RHT2-28S-2-00025, 27	2010B-050T3P00-23S-C-000 148
1000B-0154XHT1-28S-2-000 22	1100B-0753RHT2-28S-4-00025, 27	2010B-050T3P00-25J-C-000 146
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1000B-0204XHT1-28S-4-000 23	1100B-1253RHT2-24S-4-00025, 27	2010B-060T3P00-25J-C-000 146
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1000B-0754XHT1-28S-2-000 22	1100F-0153RHT2-24S-4-00026, 28	2010B-150T3P00-23S-C-000 148
1000B-0754XHT1-28S-4-000 23	1100F-0153RHT2-28S-2-00026, 28	2010B-150T3P00-25J-C-000 146
1000B-1004XHT1-28S-2-000 22	1100F-0153RHT2-28S-4-00026, 28	2010B-150T3P01-27V-C-000 176
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2050B-1P542P00-32A-4-000170	2050B-100N4P00-29R-4-000174	2050B-0403RP00-26K-4-000166
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2050B-003N4P00-23Z-4-000174	2050B-0103RP00-25J-4-000.....154	2050B-0503RP00-25J-4-000154
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2050B-7P5N4P00-25J-4-000162	2050B-125F2P00-32A-4-000170	2050B-00542P00-32A-4-000.....170
2050B-7P53RP00-25J-4-000154	2050B-125N4P00-29P-4-000162	2050B-0604XP00-29P-4-000189
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2050B-7P54XP00-26K-4-000.....193	2050B-125T3P00-25J-4-000154	2050B-0754XP00-29R-4-000193
2050B-7P542P00-25J-4-000.....158	2050B-00142P00-25J-4-000158	2050B-1004XP00-29P-4-000189
2050B-7P542P00-32A-4-000170	2050B-00142P00-32A-4-000.....170	2050B-1004XP00-29R-4-000193
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2050B-0013RP00-25J-4-000.....154	2050B-150N4P00-29P-4-000162	2050B-1254XP00-29P-4-000189
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2050B-015N4P00-23Z-4-000174	2050B-0153RP00-25J-4-000.....154	2050B-01542P00-25J-4-000158
2050B-015N4P00-25J-4-000.....162	2050B-0153RP00-26K-4-000166	2050B-01542P00-32A-4-000.....170
2050B-020N4P00-23Z-4-000174	2050B-0154XP00-25J-4-000189	2050B-2004XP00-29P-4-000189
2050B-020N4P00-25J-4-000.....162	2050B-0154XP00-26K-4-000193	2050B-2004XP00-29R-4-000193
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2050B-0024XP00-25J-4-000.....189	2050B-200N4P00-29P-4-000162	2050B-02542P00-25J-4-000158
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2050B-030N4P00-29P-4-000162	2050B-0203RP00-25J-4-000.....154	2050B-04042P00-25J-4-000158
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2050B-0034XP00-25J-4-000189	2050B-00242P00-25J-4-000158	2050B-06042P00-25J-4-000158
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2050B-050N4P00-29P-4-000162	2050B-0253RP00-25J-4-000.....154	2055B-001N4P00-23Z-4-000172
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2050B-0503RP00-25J-4-000.....154	2050B-0254XP00-29P-4-000189	2055B-1P5N4P00-23Z-4-000.....172
2050B-0503RP00-26K-4-000166	2050B-0254XP00-29Q-4-000193	2055B-1P5N4P00-25J-4-000160

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

2055B-1P53RP00-25J-4-000	152	2055B-060N4P00-29P-4-000	160	2055B-00242P00-32A-4-000.....	168
2055B-1P53RP00-26K-4-000.....	164	2055B-060N4P00-29R-4-000.....	172	2055B-250F2P00-25J-4-000.....	156
2055B-1P53RP01-27W-4-000.....	178	2055B-060T3P00-23S-4-000.....	164	2055B-250F2P00-32A-4-000.....	168
2055B-1P54XP00-23Z-4-000.....	191	2055B-060T3P00-25J-4-000.....	152	2055B-250T3P00-23S-4-000.....	164
2055B-1P54XP00-25J-4-000.....	187	2055B-060T3P01-27V-4-000.....	178	2055B-250T3P00-25J-4-000.....	152
2055B-1P542P00-25J-4-000.....	156	2055B-075N4P00-29P-4-000.....	160	2055B-250T3P01-27V-4-000.....	178
2055B-1P542P00-32A-4-000.....	168	2055B-075N4P00-29R-4-000.....	172	2055B-0253RP00-25J-4-000.....	152
2055B-002N4P00-23Z-4-000.....	172	2055B-075T3P00-23S-4-000.....	164	2055B-0253RP00-26K-4-000.....	164
2055B-002N4P00-25J-4-000.....	160	2055B-075T3P00-25J-4-000.....	152	2055B-0253RP01-27W-4-000.....	178
2055B-003N4P00-23Z-4-000.....	172	2055B-075T3P01-27V-4-000.....	178	2055B-0254XP00-29P-4-000.....	187
2055B-003N4P00-25J-4-000.....	160	2055B-100F2P00-25J-4-000.....	156	2055B-0254XP00-29R-4-000.....	191
2055B-005N4P00-23Z-4-000.....	172	2055B-100F2P00-32A-4-000.....	168	2055B-300F2P00-25J-4-000.....	156
2055B-005N4P00-25J-4-000.....	160	2055B-100N4P00-29P-4-000.....	160	2055B-300F2P00-32A-4-000.....	168
2055B-7P5N4P00-23Z-4-000.....	172	2055B-100N4P00-29R-4-000.....	172	2055B-300T3P00-23S-4-000.....	164
2055B-7P5N4P00-25J-4-000.....	160	2055B-100T3P00-23S-4-000.....	164	2055B-300T3P00-25J-4-000.....	152
2055B-7P53RP00-25J-4-000.....	152	2055B-100T3P00-25J-4-000.....	152	2055B-300T3P01-27V-4-000.....	178
2055B-7P53RP00-26K-4-000.....	164	2055B-100T3P01-27V-4-000.....	178	2055B-0303RP00-25J-4-000.....	152
2055B-7P53RP01-27W-4-000.....	178	2055B-0103RP00-25J-4-000.....	152	2055B-0303RP00-26K-4-000.....	164
2055B-7P54XP00-23Z-4-000.....	191	2055B-0103RP00-26K-4-000.....	164	2055B-0303RP01-27W-4-000.....	178
2055B-7P54XP00-25J-4-000.....	187	2055B-0103RP01-27W-4-000.....	178	2055B-0304XP00-29P-4-000.....	187
2055B-7P542P00-25J-4-000.....	156	2055B-0104XP00-23Z-4-000.....	191	2055B-0304XP00-29R-4-000.....	191
2055B-7P542P00-32A-4-000.....	168	2055B-0104XP00-25J-4-000.....	187	2055B-00342P00-25J-4-000.....	156
2055B-010N4P00-23Z-4-000.....	172	2055B-125F2P00-25J-4-000.....	156	2055B-00342P00-32A-4-000.....	168
2055B-010N4P00-25J-4-000.....	160	2055B-125F2P00-32A-4-000.....	168	2055B-350F2P00-25J-4-000.....	156
2055B-0013RP00-25J-4-000.....	152	2055B-125N4P00-29P-4-000.....	160	2055B-350F2P00-32A-4-000.....	168
2055B-0013RP00-26K-4-000.....	164	2055B-125N4P00-29R-4-000.....	172	2055B-350T3P00-23S-4-000.....	164
2055B-0013RP01-27W-4-000.....	178	2055B-125T3P00-23S-4-000.....	164	2055B-350T3P00-25J-4-000.....	152
2055B-0014XP00-23Z-4-000.....	191	2055B-125T3P00-25J-4-000.....	152	2055B-350T3P01-27V-4-000.....	178
2055B-0014XP00-25J-4-000.....	187	2055B-125T3P01-27V-4-000.....	178	2055B-400F2P00-25J-4-000.....	156
2055B-015N4P00-23Z-4-000.....	172	2055B-00142P00-25J-4-000.....	156	2055B-400F2P00-32A-4-000.....	168
2055B-015N4P00-25J-4-000.....	160	2055B-00142P00-32A-4-000.....	168	2055B-400T3P00-23S-4-000.....	164
2055B-020N4P00-23Z-4-000.....	172	2055B-150F2P00-25J-4-000.....	156	2055B-400T3P00-25J-4-000.....	152
2055B-020N4P00-25J-4-000.....	160	2055B-150F2P00-32A-4-000.....	168	2055B-400T3P01-27V-4-000.....	178
2055B-0023RP00-25J-4-000.....	152	2055B-150N4P00-29P-4-000.....	160	2055B-0403RP00-25J-4-000.....	152
2055B-0023RP00-26K-4-000.....	164	2055B-150N4P00-29R-4-000.....	172	2055B-0403RP00-26K-4-000.....	164
2055B-0023RP01-27W-4-000.....	178	2055B-150T3P00-23S-4-000.....	164	2055B-0403RP01-27W-4-000.....	178
2055B-0024XP00-23Z-4-000.....	191	2055B-150T3P00-25J-4-000.....	152	2055B-0404XP00-29P-4-000.....	187
2055B-0024XP00-25J-4-000.....	187	2055B-150T3P01-27V-4-000.....	178	2055B-0404XP00-29R-4-000.....	191
2055B-025N4P00-29P-4-000.....	160	2055B-0153RP00-25J-4-000.....	152	2055B-450F2P00-25J-4-000.....	156
2055B-025N4P00-29R-4-000.....	172	2055B-0153RP00-26K-4-000.....	164	2055B-450F2P00-32A-4-000.....	168
2055B-030N4P00-29P-4-000.....	160	2055B-0153RP01-27W-4-000.....	178	2055B-450FRP00-23S-4-000.....	164
2055B-030N4P00-29R-4-000.....	172	2055B-0154XP00-23Z-4-000.....	191	2055B-450FRP00-25J-4-000.....	152
2055B-0033RP00-25J-4-000.....	152	2055B-0154XP00-25J-4-000.....	187	2055B-450FRP01-27V-4-000.....	178
2055B-0033RP00-26K-4-000.....	164	2055B-200F2P00-25J-4-000.....	156	2055B-500F2P00-25J-4-000.....	156
2055B-0033RP01-27W-4-000.....	178	2055B-200F2P00-32A-4-000.....	168	2055B-500F2P00-32A-4-000.....	168
2055B-0034XP00-23Z-4-000.....	191	2055B-200N4P00-29P-4-000.....	160	2055B-500FRP00-23S-4-000.....	164
2055B-0034XP00-25J-4-000.....	187	2055B-200N4P00-29R-4-000.....	172	2055B-500FRP00-25J-4-000.....	152
2055B-040N4P00-29P-4-000.....	160	2055B-200T3P00-23S-4-000.....	164	2055B-500FRP01-27V-4-000.....	178
2055B-040N4P00-29R-4-000.....	172	2055B-200T3P00-25J-4-000.....	152	2055B-0503RP00-25J-4-000.....	152
2055B-050N4P00-29P-4-000.....	160	2055B-200T3P01-27V-4-000.....	178	2055B-0503RP00-26K-4-000.....	164
2055B-050N4P00-29R-4-000.....	172	2055B-0203RP00-25J-4-000.....	152	2055B-0503RP01-27W-4-000.....	178
2055B-0053RP00-25J-4-000.....	152	2055B-0203RP00-26K-4-000.....	164	2055B-0504XP00-29P-4-000.....	187
2055B-0053RP00-26K-4-000.....	164	2055B-0203RP01-27W-4-000.....	178	2055B-0504XP00-29R-4-000.....	191
2055B-0053RP01-27W-4-000.....	178	2055B-0204XP00-23Z-4-000.....	191	2055B-00542P00-25J-4-000.....	156
2055B-0054XP00-23Z-4-000.....	191	2055B-0204XP00-25J-4-000.....	187	2055B-00542P00-32A-4-000.....	168
2055B-0054XP00-25J-4-000.....	187	2055B-00242P00-25J-4-000.....	156	2055B-600F2P00-25J-4-000.....	156



2055B-600F2P00-32A-4-000168	2110B-0053RP1B-33G-C-000.....181	2150B-7P542P00-32A-4-000171
2055B-600FRP00-23S-4-000.....164	2110B-060T3P00-25J-C-000.....147	2150B-010N4P00-23Z-4-000175
2055B-600FRP00-25J-4-000152	2110B-060T3P00-26K-C-000149	2150B-010N4P00-25J-4-000.....163
2055B-600FRP01-27V-4-000178	2110B-060T3P1B-33G-C-000181	2150B-0013RP00-25J-4-000.....155
2055B-0604XP00-29P-4-000187	2110B-075T3P00-25J-C-000.....147	2150B-0013RP00-26K-4-000167
2055B-0604XP00-29R-4-000191	2110B-075T3P00-26K-C-000149	2150B-0014XP00-23Z-4-000194
2055B-700F2P00-25J-4-000156	2110B-075T3P1B-33G-C-000181	2150B-0014XP00-25J-4-000.....190
2055B-700F2P00-32A-4-000168	2110B-100T3P00-25J-C-000.....147	2150B-015N4P00-23Z-4-000175
2055B-700FRP00-23S-4-000164	2110B-100T3P00-26K-C-000149	2150B-015N4P00-25J-4-000.....163
2055B-700FRP00-25J-4-000152	2110B-100T3P1B-33G-C-000181	2150B-020N4P00-23Z-4-000175
2055B-700FRP01-27V-4-000178	2110B-0103RP1B-33G-C-000.....181	2150B-020N4P00-25J-4-000.....163
2055B-0754XP00-29P-4-000187	2110B-125T3P00-25J-C-000.....147	2150B-0023RP00-25J-4-000.....155
2055B-0754XP00-29R-4-000191	2110B-125T3P00-26K-C-000149	2150B-0023RP00-26K-4-000167
2055B-1004XP00-29P-4-000187	2110B-125T3P1B-33G-C-000181	2150B-0024XP00-23Z-4-000194
2055B-1004XP00-29R-4-000191	2110B-0153RP1B-33G-C-000.....181	2150B-0024XP00-25J-4-000.....190
2055B-01042P00-25J-4-000156	2113B-0P53RP00-25J-C-000147	2150B-025N4P00-23Z-4-000175
2055B-01042P00-32A-4-000.....168	2113B-0P53RP00-26K-C-000149	2150B-025N4P00-25J-4-000.....163
2055B-1254XP00-29P-4-000187	2113B-1P53RP00-25J-C-000147	2150B-030N4P00-23Z-4-000175
2055B-1254XP00-29R-4-000191	2113B-1P53RP00-26K-C-000149	2150B-030N4P00-25J-4-000.....163
2055B-1504XP00-29P-4-000187	2113B-7P53RP00-25J-C-000.....147	2150B-0033RP00-25J-4-000.....155
2055B-1504XP00-29R-4-000191	2113B-7P53RP00-26K-C-000149	2150B-0033RP00-26K-4-000167
2055B-01542P00-25J-4-000156	2113B-0013RP00-25J-C-000147	2150B-0034XP00-23Z-4-000194
2055B-01542P00-32A-4-000.....168	2113B-0013RP00-26K-C-000.....149	2150B-0034XP00-25J-4-000.....190
2055B-2004XP00-29P-4-000187	2113B-0023RP00-25J-C-000147	2150B-040N4P00-29P-4-000163
2055B-2004XP00-29R-4-000191	2113B-0023RP00-26K-C-000.....149	2150B-040N4P00-29Q-4-000.....175
2055B-02042P00-25J-4-000156	2113B-0033RP00-25J-C-000147	2150B-050N4P00-29P-4-000163
2055B-02042P00-32A-4-000.....168	2113B-0033RP00-26K-C-000.....149	2150B-050N4P00-29Q-4-000.....175
2055B-02542P00-25J-4-000156	2113B-0053RP00-25J-C-000147	2150B-050T3P00-25J-4-000155
2055B-02542P00-32A-4-000.....168	2113B-0053RP00-26K-C-000.....149	2150B-050T3P00-26K-4-000167
2055B-03042P00-25J-4-000156	2113B-0103RP00-25J-C-000147	2150B-0053RP00-25J-4-000.....155
2055B-03042P00-32A-4-000.....168	2113B-0103RP00-26K-C-000.....149	2150B-0053RP00-26K-4-000.....167
2055B-04042P00-25J-4-000156	2113B-0153RP00-25J-C-000147	2150B-0054XP00-23Z-4-000194
2055B-04042P00-32A-4-000.....168	2113B-0153RP00-26K-C-000.....149	2150B-0054XP00-25J-4-000.....190
2055B-05042P00-25J-4-000156	2150B-001N4P00-23Z-4-000175	2150B-060N4P00-29P-4-000163
2055B-05042P00-32A-4-000.....168	2150B-001N4P00-25J-4-000.....163	2150B-060N4P00-29Q-4-000.....175
2055B-06042P00-25J-4-000156	2150B-1P5N4P00-23Z-4-000175	2150B-060T3P00-25J-4-000155
2055B-06042P00-32A-4-000.....168	2150B-1P5N4P00-25J-4-000163	2150B-060T3P00-26K-4-000167
2055B-07542P00-25J-4-000156	2150B-1P53RP00-25J-4-000155	2150B-075F2P00-25J-4-000159
2055B-07542P00-32A-4-000.....168	2150B-1P53RP00-26K-4-000.....167	2150B-075F2P00-32A-4-000171
2110B-7P53RP1B-33G-C-000181	2150B-1P54XP00-23Z-4-000194	2150B-075N4P00-29P-4-000163
2110B-020T3P00-25J-C-000.....147	2150B-1P54XP00-25J-4-000190	2150B-075N4P00-29Q-4-000.....175
2110B-020T3P00-26K-C-000149	2150B-1P542P00-25J-4-000.....159	2150B-075T3P00-25J-4-000155
2110B-020T3P1B-33G-C-000181	2150B-1P542P00-32A-4-000171	2150B-075T3P00-26K-4-000167
2110B-025T3P00-25J-C-000.....147	2150B-002N4P00-23Z-4-000175	2150B-100F2P00-25J-4-000159
2110B-025T3P00-26K-C-000149	2150B-002N4P00-25J-4-000.....163	2150B-100F2P00-32A-4-000171
2110B-025T3P1B-33G-C-000181	2150B-003N4P00-23Z-4-000175	2150B-100N4P00-29P-4-000163
2110B-030T3P00-25J-C-000.....147	2150B-003N4P00-25J-4-000.....163	2150B-100N4P00-29Q-4-000.....175
2110B-030T3P00-26K-C-000149	2150B-005N4P00-23Z-4-000175	2150B-100T3P00-25J-4-000155
2110B-030T3P1B-33G-C-000181	2150B-005N4P00-25J-4-000.....163	2150B-100T3P00-26K-4-000167
2110B-0033RP1B-33G-C-000.....181	2150B-7P5N4P00-23Z-4-000175	2150B-0103RP00-25J-4-000.....155
2110B-040T3P00-25J-C-000.....147	2150B-7P5N4P00-25J-4-000163	2150B-0103RP00-26K-4-000167
2110B-040T3P00-26K-C-000149	2150B-7P53RP00-25J-4-000155	2150B-0104XP00-23Z-4-000194
2110B-040T3P1B-33G-C-000181	2150B-7P53RP00-26K-4-000.....167	2150B-0104XP00-25J-4-000.....190
2110B-050T3P00-25J-C-000.....147	2150B-7P54XP00-23Z-4-000194	2150B-125F2P00-25J-4-000159
2110B-050T3P00-26K-C-000149	2150B-7P54XP00-25J-4-000190	2150B-125F2P00-32A-4-000171
2110B-050T3P1B-33G-C-000181	2150B-7P542P00-25J-4-000.....159	2150B-125N4P00-29P-4-000163

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

2150B-125N4P00-29Q-4-000.....	175	2150B-1504XP00-29Q-4-000.....	194	2155B-0023RP02-27X-4-000.....	184
2150B-125T3P00-25J-4-000.....	155	2150B-01542P00-25J-4-000.....	159	2155B-0024XP00-23Z-4-000.....	192
2150B-125T3P00-26K-4-000.....	167	2150B-01542P00-32A-4-000.....	171	2155B-0024XP00-25J-4-000.....	188
2150B-00142P00-25J-4-000.....	159	2150B-02042P00-25J-4-000.....	159	2155B-025N4P00-23Z-4-000.....	173
2150B-00142P00-32A-4-000.....	171	2150B-02042P00-32A-4-000.....	171	2155B-025N4P00-25J-4-000.....	161
2150B-150F2P00-25J-4-000.....	159	2150B-02542P00-25J-4-000.....	159	2155B-030N4P00-23Z-4-000.....	173
2150B-150F2P00-32A-4-000.....	171	2150B-02542P00-32A-4-000.....	171	2155B-030N4P00-25J-4-000.....	161
2150B-150N4P00-29P-4-000.....	163	2150B-03042P00-25J-4-000.....	159	2155B-0033RP00-25J-4-000.....	153
2150B-150N4P00-29Q-4-000.....	175	2150B-03042P00-32A-4-000.....	171	2155B-0033RP00-26K-4-000.....	165
2150B-150T3P00-25J-4-000.....	155	2150B-04042P00-25J-4-000.....	159	2155B-0033RP1B-33G-4-000.....	182
2150B-150T3P00-26K-4-000.....	167	2150B-04042P00-32A-4-000.....	171	2155B-0033RP1B-33H-4-000.....	183
2150B-0153RP00-25J-4-000.....	155	2150B-05042P00-25J-4-000.....	159	2155B-0033RP02-27X-4-000.....	184
2150B-0153RP00-26K-4-000.....	167	2150B-05042P00-32A-4-000.....	171	2155B-0034XP00-23Z-4-000.....	192
2150B-0154XP00-23Z-4-000.....	194	2150B-06042P00-25J-4-000.....	159	2155B-0034XP00-25J-4-000.....	188
2150B-0154XP00-25J-4-000.....	190	2150B-06042P00-32A-4-000.....	171	2155B-040N4P00-29P-4-000.....	161
2150B-200F2P00-32A-4-000.....	171	2155B-001N4P00-23Z-4-000.....	173	2155B-040N4P00-29Q-4-000.....	173
2150B-200FRP00-26K-4-000.....	167	2155B-001N4P00-25J-4-000.....	161	2155B-050N4P00-29P-4-000.....	161
2150B-0203RP00-25J-4-000.....	155	2155B-1P5N4P00-23Z-4-000.....	173	2155B-050N4P00-29Q-4-000.....	173
2150B-0203RP00-26K-4-000.....	167	2155B-1P5N4P00-25J-4-000.....	161	2155B-050T3P00-25J-4-000.....	153
2150B-0204XP00-23Z-4-000.....	194	2155B-1P53RP00-25J-4-000.....	153	2155B-050T3P00-26K-4-000.....	165
2150B-0204XP00-25J-4-000.....	190	2155B-1P53RP00-26K-4-000.....	165	2155B-050T3P1B-33G-4-000.....	182
2150B-00242P00-25J-4-000.....	159	2155B-1P53RP02-27X-4-000.....	184	2155B-050T3P1B-33H-4-000.....	183
2150B-00242P00-32A-4-000.....	171	2155B-1P54XP00-23Z-4-000.....	192	2155B-050T3P02-27X-4-000.....	184
2150B-250F2P00-32A-4-000.....	171	2155B-1P54XP00-25J-4-000.....	188	2155B-050T3P02-27Y-4-000.....	185
2150B-250FRP00-26K-4-000.....	167	2155B-1P542P00-25J-4-000.....	157	2155B-050T3P02-27Z-4-000.....	186
2150B-0253RP00-25J-4-000.....	155	2155B-1P542P00-32A-4-000.....	169	2155B-0053RP00-25J-4-000.....	153
2150B-0253RP00-26K-4-000.....	167	2155B-002N4P00-23Z-4-000.....	173	2155B-0053RP00-26K-4-000.....	165
2150B-0254XP00-23Z-4-000.....	194	2155B-002N4P00-25J-4-000.....	161	2155B-0053RP1B-33G-4-000.....	182
2150B-0254XP00-25J-4-000.....	190	2155B-003N4P00-23Z-4-000.....	173	2155B-0053RP1B-33H-4-000.....	183
2150B-300F2P00-32A-4-000.....	171	2155B-003N4P00-25J-4-000.....	161	2155B-0053RP02-27X-4-000.....	184
2150B-300FRP00-26K-4-000.....	167	2155B-005N4P00-23Z-4-000.....	173	2155B-0054XP00-23Z-4-000.....	192
2150B-0303RP00-25J-4-000.....	155	2155B-005N4P00-25J-4-000.....	161	2155B-0054XP00-25J-4-000.....	188
2150B-0303RP00-26K-4-000.....	167	2155B-7P5N4P00-23Z-4-000.....	173	2155B-060N4P00-29P-4-000.....	161
2150B-0304XP00-23Z-4-000.....	194	2155B-7P5N4P00-25J-4-000.....	161	2155B-060N4P00-29Q-4-000.....	173
2150B-0304XP00-25J-4-000.....	190	2155B-7P53RP00-25J-4-000.....	153	2155B-060T3P00-25J-4-000.....	153
2150B-00342P00-25J-4-000.....	159	2155B-7P53RP00-26K-4-000.....	165	2155B-060T3P00-26K-4-000.....	165
2150B-00342P00-32A-4-000.....	171	2155B-7P53RP1B-33G-4-000.....	182	2155B-060T3P1B-33G-4-000.....	182
2150B-0403RP00-25J-4-000.....	155	2155B-7P53RP1B-33H-4-000.....	183	2155B-060T3P1B-33H-4-000.....	183
2150B-0403RP00-26K-4-000.....	167	2155B-7P53RP02-27X-4-000.....	184	2155B-060T3P02-27X-4-000.....	184
2150B-0404XP00-29P-4-000.....	190	2155B-7P54XP00-23Z-4-000.....	192	2155B-060T3P02-27Y-4-000.....	185
2150B-0404XP00-29Q-4-000.....	194	2155B-7P54XP00-25J-4-000.....	188	2155B-060T3P02-27Z-4-000.....	186
2150B-0504XP00-29P-4-000.....	190	2155B-7P542P00-25J-4-000.....	157	2155B-075F2P00-25J-4-000.....	157
2150B-0504XP00-29Q-4-000.....	194	2155B-7P542P00-32A-4-000.....	169	2155B-075F2P00-32A-4-000.....	169
2150B-00542P00-25J-4-000.....	159	2155B-010N4P00-23Z-4-000.....	173	2155B-075N4P00-29P-4-000.....	161
2150B-00542P00-32A-4-000.....	171	2155B-010N4P00-25J-4-000.....	161	2155B-075N4P00-29Q-4-000.....	173
2150B-0604XP00-29P-4-000.....	190	2155B-0013RP00-25J-4-000.....	153	2155B-075T3P00-25J-4-000.....	153
2150B-0604XP00-29Q-4-000.....	194	2155B-0013RP00-26K-4-000.....	165	2155B-075T3P00-26K-4-000.....	165
2150B-0754XP00-29P-4-000.....	190	2155B-0013RP02-27X-4-000.....	184	2155B-075T3P1B-33G-4-000.....	182
2150B-0754XP00-29Q-4-000.....	194	2155B-0014XP00-23Z-4-000.....	192	2155B-075T3P1B-33H-4-000.....	183
2150B-1004XP00-29P-4-000.....	190	2155B-0014XP00-25J-4-000.....	188	2155B-075T3P02-27X-4-000.....	184
2150B-1004XP00-29Q-4-000.....	194	2155B-015N4P00-23Z-4-000.....	173	2155B-075T3P02-27Y-4-000.....	185
2150B-01042P00-25J-4-000.....	159	2155B-015N4P00-25J-4-000.....	161	2155B-075T3P02-27Z-4-000.....	186
2150B-01042P00-32A-4-000.....	171	2155B-020N4P00-23Z-4-000.....	173	2155B-100F2P00-25J-4-000.....	157
2150B-1254XP00-29P-4-000.....	190	2155B-020N4P00-25J-4-000.....	161	2155B-100F2P00-32A-4-000.....	169
2150B-1254XP00-29Q-4-000.....	194	2155B-0023RP00-25J-4-000.....	153	2155B-100N4P00-29P-4-000.....	161
2150B-1504XP00-29P-4-000.....	188, 190	2155B-0023RP00-26K-4-000.....	165	2155B-100N4P00-29Q-4-000.....	173



2155B-100T3P00-25J-4-000.....	153	2155B-0203RP1B-33G-4-000.....	182	2155B-0403RP00-26K-4-000.....	165
2155B-100T3P00-26K-4-000.....	165	2155B-0203RP1B-33H-4-000.....	183	2155B-0403RP1B-33G-4-000.....	182
2155B-100T3P1B-33G-4-000.....	182	2155B-0203RP02-27X-4-000.....	184	2155B-0403RP1B-33H-4-000.....	183
2155B-100T3P1B-33H-4-000.....	183	2155B-0204XP00-23Z-4-000.....	192	2155B-0403RP02-27X-4-000.....	184
2155B-100T3P02-27X-4-000.....	184	2155B-0204XP00-25J-4-000.....	188	2155B-0403RP02-27Y-4-000.....	185
2155B-100T3P02-27Y-4-000.....	185	2155B-00242P00-25J-4-000.....	157	2155B-0403RP02-27Z-4-000.....	186
2155B-100T3P02-27Z-4-000.....	186	2155B-00242P00-32A-4-000.....	169	2155B-0404XP00-29P-4-000.....	188
2155B-0103RP00-25J-4-000.....	153	2155B-250F2P00-25J-4-000.....	157	2155B-0404XP00-29Q-4-000.....	192
2155B-0103RP00-26K-4-000.....	165	2155B-250F2P00-32A-4-000.....	169	2155B-450F2P00-25J-4-000.....	157
2155B-0103RP1B-33G-4-000.....	182	2155B-250T3P00-25J-4-000.....	153	2155B-450F2P00-32A-4-000.....	169
2155B-0103RP1B-33H-4-000.....	183	2155B-250T3P00-26K-4-000.....	165	2155B-450FRP00-25J-4-000.....	153
2155B-0103RP02-27X-4-000.....	184	2155B-250T3P1B-33G-4-000.....	182	2155B-450FRP00-26K-4-000.....	165
2155B-0104XP00-23Z-4-000.....	192	2155B-250T3P1B-33H-4-000.....	183	2155B-450FRP02-27X-4-000.....	184
2155B-0104XP00-25J-4-000.....	188	2155B-250T3P02-27X-4-000.....	184	2155B-450FRP02-27Y-4-000.....	185
2155B-125F2P00-25J-4-000.....	157	2155B-250T3P02-27Y-4-000.....	185	2155B-450FRP02-27Z-4-000.....	186
2155B-125F2P00-32A-4-000.....	169	2155B-250T3P02-27Z-4-000.....	186	2155B-500F2P00-25J-4-000.....	157
2155B-125N4P00-29P-4-000.....	161	2155B-0253RP00-25J-4-000.....	153	2155B-500F2P00-32A-4-000.....	169
2155B-125N4P00-29Q-4-000.....	173	2155B-0253RP00-26K-4-000.....	165	2155B-500FRP00-25J-4-000.....	153
2155B-125T3P00-25J-4-000.....	153	2155B-0253RP1B-33G-4-000.....	182	2155B-500FRP00-26K-4-000.....	165
2155B-125T3P00-26K-4-000.....	165	2155B-0253RP1B-33H-4-000.....	183	2155B-500FRP02-27X-4-000.....	184
2155B-125T3P1B-33G-4-000.....	182	2155B-0253RP02-27X-4-000.....	184	2155B-500FRP02-27Y-4-000.....	185
2155B-125T3P1B-33H-4-000.....	183	2155B-0254XP00-23Z-4-000.....	192	2155B-500FRP02-27Z-4-000.....	186
2155B-125T3P02-27X-4-000.....	184	2155B-0254XP00-25J-4-000.....	188	2155B-0504XP00-29P-4-000.....	188
2155B-125T3P02-27Y-4-000.....	185	2155B-300F2P00-25J-4-000.....	157	2155B-0504XP00-29Q-4-000.....	192
2155B-125T3P02-27Z-4-000.....	186	2155B-300F2P00-32A-4-000.....	169	2155B-00542P00-25J-4-000.....	157
2155B-00142P00-25J-4-000.....	157	2155B-300T3P00-25J-4-000.....	153	2155B-00542P00-32A-4-000.....	169
2155B-00142P00-32A-4-000.....	169	2155B-300T3P00-26K-4-000.....	165	2155B-0604XP00-29P-4-000.....	188
2155B-150F2P00-25J-4-000.....	157	2155B-300T3P1B-33G-4-000.....	182	2155B-0604XP00-29Q-4-000.....	192
2155B-150F2P00-32A-4-000.....	169	2155B-300T3P1B-33H-4-000.....	183	2155B-0754XP00-29P-4-000.....	188
2155B-150N4P00-29P-4-000.....	161	2155B-300T3P02-27X-4-000.....	184	2155B-0754XP00-29Q-4-000.....	192
2155B-150N4P00-29Q-4-000.....	173	2155B-300T3P02-27Y-4-000.....	185	2155B-1004XP00-29P-4-000.....	188
2155B-150T3P00-25J-4-000.....	153	2155B-300T3P02-27Z-4-000.....	186	2155B-1004XP00-29Q-4-000.....	192
2155B-150T3P00-26K-4-000.....	165	2155B-0303RP00-25J-4-000.....	153	2155B-01042P00-25J-4-000.....	157
2155B-150T3P1B-33G-4-000.....	182	2155B-0303RP00-26K-4-000.....	165	2155B-01042P00-32A-4-000.....	169
2155B-150T3P1B-33H-4-000.....	183	2155B-0303RP1B-33G-4-000.....	182	2155B-1254XP00-29P-4-000.....	188
2155B-150T3P02-27X-4-000.....	184	2155B-0303RP1B-33H-4-000.....	183	2155B-1254XP00-29Q-4-000.....	192
2155B-150T3P02-27Y-4-000.....	185	2155B-0303RP02-27X-4-000.....	184	2155B-1504XP00-29P-4-000.....	188
2155B-150T3P02-27Z-4-000.....	186	2155B-0304XP00-23Z-4-000.....	192	2155B-1504XP00-29Q-4-000.....	192
2155B-0153RP00-25J-4-000.....	153	2155B-0304XP00-25J-4-000.....	188	2155B-01542P00-25J-4-000.....	157
2155B-0153RP00-26K-4-000.....	165	2155B-00342P00-25J-4-000.....	157	2155B-01542P00-32A-4-000.....	169
2155B-0153RP1B-33G-4-000.....	182	2155B-00342P00-32A-4-000.....	169	2155B-02042P00-25J-4-000.....	157
2155B-0153RP1B-33H-4-000.....	183	2155B-350F2P00-25J-4-000.....	157	2155B-02042P00-32A-4-000.....	169
2155B-0153RP02-27X-4-000.....	184	2155B-350F2P00-32A-4-000.....	169	2155B-02542P00-25J-4-000.....	157
2155B-0154XP00-23Z-4-000.....	192	2155B-350FRP00-25J-4-000.....	153	2155B-02542P00-32A-4-000.....	169
2155B-0154XP00-25J-4-000.....	188	2155B-350FRP00-26K-4-000.....	165	2155B-03042P00-25J-4-000.....	157
2155B-200F2P00-25J-4-000.....	157	2155B-350FRP02-27X-4-000.....	184	2155B-03042P00-32A-4-000.....	169
2155B-200F2P00-32A-4-000.....	169	2155B-350FRP02-27Y-4-000.....	185	2155B-04042P00-25J-4-000.....	157
2155B-200T3P00-25J-4-000.....	153	2155B-350FRP02-27Z-4-000.....	186	2155B-04042P00-32A-4-000.....	169
2155B-200T3P00-26K-4-000.....	165	2155B-400F2P00-25J-4-000.....	157	2155B-05042P00-25J-4-000.....	157
2155B-200T3P1B-33G-4-000.....	182	2155B-400F2P00-32A-4-000.....	169	2155B-05042P00-32A-4-000.....	169
2155B-200T3P1B-33H-4-000.....	183	2155B-400FRP00-25J-4-000.....	153	2155B-06042P00-25J-4-000.....	157
2155B-200T3P02-27X-4-000.....	184	2155B-400FRP00-26K-4-000.....	165	2155B-06042P00-32A-4-000.....	169
2155B-200T3P02-27Y-4-000.....	185	2155B-400FRP02-27X-4-000.....	184	2210B-025T3P01-27V-C-000.....	177
2155B-200T3P02-27Z-4-000.....	186	2155B-400FRP02-27Y-4-000.....	185	2210B-030T3P01-27V-C-000.....	177
2155B-0203RP00-25J-4-000.....	153	2155B-400FRP02-27Z-4-000.....	186	2210B-040T3P01-27V-C-000.....	177
2155B-0203RP00-26K-4-000.....	165	2155B-0403RP00-25J-4-000.....	153	2210B-050T3P01-27V-C-000.....	177



SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

2210B-060T3P01-27V-C-000.....	177	3041B-0203RP00-24H-2-000.....	49, 101	3043B-0103RP00-32B-2-002.....	69
2210B-075T3P01-27V-C-000.....	177	3041B-0204TP00-24H-2-000.....	51	3043B-0103RP00-32B-2-003.....	69
2210B-100T3P01-27V-C-000.....	177	3041B-0204XP00-24H-2-000.....	102	3043B-0103RP00-32B-4-000.....	70
2210B-125T3P01-27V-C-000.....	177	3041B-0253RP00-24H-2-000.....	49, 101	3043B-0104TP00-24H-2-000.....	65
2213B-0P53RP01-27W-C-000.....	177	3041B-0253RP00-24H-4-000.....	49, 101	3043B-0104TP00-24H-2-002.....	65
2213B-1P53RP01-27W-C-000.....	177	3041B-0254TP00-24H-2-000.....	51	3043B-0104TP00-24H-2-003.....	65
2213B-7P53RP01-27W-C-000.....	177	3041B-0254TP00-24H-4-000.....	51	3043B-0104TP00-24H-4-000.....	66
2213B-0013RP01-27W-C-000.....	177	3041B-0254XP00-24H-2-000.....	102	3043B-0104TP00-32B-2-000.....	73
2213B-0023RP01-27W-C-000.....	177	3041B-0254XP00-24H-4-000.....	102	3043B-0104TP00-32B-2-002.....	73
2213B-0033RP01-27W-C-000.....	177	3041B-0303RP00-24H-2-000.....	49, 101	3043B-0104TP00-32B-2-003.....	73
2213B-0053RP01-27W-C-000.....	177	3041B-0303RP00-24H-4-000.....	49, 101	3043B-0104TP00-32B-4-000.....	74
2213B-0103RP01-27W-C-000.....	177	3041B-0304TP00-24H-2-000.....	51	3043B-0104XP00-24H-2-000.....	108
2213B-0153RP01-27W-C-000.....	177	3041B-0304TP00-24H-4-000.....	51	3043B-0104XP00-24H-2-002.....	108
2213B-0203RP01-27W-C-000.....	177	3041B-0304XP00-24H-2-000.....	102	3043B-0104XP00-24H-4-000.....	109
2213B-P753RP01-27W-C-000.....	177	3041B-0304XP00-24H-4-000.....	102	3043B-0104XP00-32B-2-000.....	112
2255B-0P53RP01-27W-2-000.....	179	3041B-0403RP00-24H-4-000.....	49, 101	3043B-0104XP00-32B-2-002.....	112
2255B-0P53RP01-27W-4-000.....	180	3041B-0404TP00-24H-4-000.....	51	3043B-0104XP00-32B-4-000.....	113
2255B-1P53RP01-27W-2-000.....	179	3041B-0404XP00-24H-4-000.....	102	3043B-0153RP00-24H-4-000.....	62
2255B-1P53RP01-27W-4-000.....	180	3041B-0503RP00-24H-4-000.....	49, 101	3043B-0153RP00-32B-4-000.....	70
2255B-7P53RP01-27W-2-000.....	179	3041B-0504TP00-24H-4-000.....	51	3043B-0154TP00-24H-4-000.....	66
2255B-7P53RP01-27W-4-000.....	180	3041B-0504XP00-24H-4-000.....	102	3043B-0154TP00-32B-4-000.....	74
2255B-0013RP01-27W-2-000.....	179	3041B-0603RP00-24H-4-000.....	49, 101	3043B-0154XP00-24H-2-000.....	108
2255B-0013RP01-27W-4-000.....	180	3041B-0604TP00-24H-4-000.....	51	3043B-0154XP00-24H-4-000.....	109
2255B-0023RP01-27W-2-000.....	179	3041B-0604XP00-24H-4-000.....	102	3043B-0154XP00-32B-2-000.....	112
2255B-0023RP01-27W-4-000.....	180	3041B-0753RP00-24H-4-000.....	49, 101	3043B-0154XP00-32B-4-000.....	113
2255B-025T3P01-27V-2-000.....	179	3041B-0754TP00-24H-4-000.....	51	3043B-0203RP00-24H-2-000.....	61
2255B-030T3P01-27V-2-000.....	179	3041B-0754XP00-24H-4-000.....	102	3043B-0203RP00-24H-4-000.....	62
2255B-0033RP01-27W-2-000.....	179	3043B-7P53RP00-24H-2-000.....	61	3043B-0203RP00-24H-4-002.....	62
2255B-0033RP01-27W-4-000.....	180	3043B-7P53RP00-24H-4-000.....	62	3043B-0203RP00-32B-2-000.....	69
2255B-050T3P01-27V-4-000.....	180	3043B-7P53RP00-32B-2-000.....	69	3043B-0203RP00-32B-4-000.....	70
2255B-0053RP01-27W-2-000.....	179	3043B-7P53RP00-32B-4-000.....	70	3043B-0203RP00-32B-4-002.....	70
2255B-0053RP01-27W-4-000.....	180	3043B-7P54TP00-24H-2-000.....	65	3043B-0204TP00-24H-2-000.....	65
2255B-060T3P01-27V-4-000.....	180	3043B-7P54TP00-24H-4-000.....	66	3043B-0204TP00-24H-4-000.....	66
2255B-075T3P01-27V-4-000.....	180	3043B-7P54TP00-32B-2-000.....	73	3043B-0204TP00-24H-4-002.....	66
2255B-100T3P01-27V-4-000.....	180	3043B-7P54TP00-32B-4-000.....	74	3043B-0204TP00-32B-2-000.....	73
2255B-0103RP01-27W-2-000.....	179	3043B-7P54XP00-24H-2-000.....	108	3043B-0204TP00-32B-4-000.....	74
2255B-0103RP01-27W-4-000.....	180	3043B-7P54XP00-24H-4-000.....	109	3043B-0204TP00-32B-4-002.....	74
2255B-125T3P01-27V-4-000.....	180	3043B-7P54XP00-32B-2-000.....	112	3043B-0204XP00-24H-2-000.....	108
2255B-150T3P01-27V-4-000.....	180	3043B-7P54XP00-32B-4-000.....	113	3043B-0204XP00-24H-4-000.....	109
2255B-0153RP01-27W-2-000.....	179	3043B-0033RP00-24H-2-000.....	61	3043B-0204XP00-24H-4-002.....	109
2255B-0153RP01-27W-4-000.....	180	3043B-0033RP00-32B-2-000.....	69	3043B-0204XP00-32B-2-000.....	112
2255B-175T3P01-27V-4-000.....	180	3043B-0034TP00-24H-2-000.....	65	3043B-0204XP00-32B-4-000.....	113
2255B-200T3P01-27V-4-000.....	180	3043B-0034TP00-32B-2-000.....	73	3043B-0204XP00-32B-4-002.....	113
2255B-0203RP01-27W-2-000.....	179	3043B-0034XP00-24H-2-000.....	108	3043B-0253RP00-24H-2-000.....	61
2255B-0203RP01-27W-4-000.....	180	3043B-0034XP00-32B-2-000.....	112	3043B-0253RP00-32B-2-000.....	69
2255B-0253RP01-27W-4-000.....	180	3043B-0053RP00-24H-2-000.....	61	3043B-0254TP00-24H-2-000.....	65
2255B-0303RP01-27W-4-000.....	180	3043B-0053RP00-32B-2-000.....	69	3043B-0254TP00-32B-2-000.....	73
2255B-0403RP01-27W-4-000.....	180	3043B-0054TP00-24H-2-000.....	65	3043B-0254XP00-24H-2-000.....	108
2255B-P753RP01-27W-2-000.....	179	3043B-0054TP00-32B-2-000.....	73	3043B-0254XP00-32B-2-000.....	112
2255B-P753RP01-27W-4-000.....	180	3043B-0054XP00-24H-2-000.....	108	3043B-0303RP00-24H-2-000.....	61
		3043B-0054XP00-32B-2-000.....	112	3043B-0303RP00-24H-2-002.....	61
		3043B-0103RP00-24H-2-000.....	61	3043B-0303RP00-24H-4-000.....	62
		3043B-0103RP00-24H-2-002.....	61	3043B-0303RP00-32B-2-000.....	69
3041B-0153RP00-24H-2-000.....	49, 101	3043B-0103RP00-24H-2-003.....	61	3043B-0303RP00-32B-2-002.....	69
3041B-0154TP00-24H-2-000.....	51	3043B-0103RP00-24H-4-000.....	62	3043B-0303RP00-32B-4-000.....	70
3041B-0154XP00-24H-2-000.....	102	3043B-0103RP00-32B-2-000.....	69	3043B-0304TP00-24H-2-000.....	65



3043B-0304TP00-24H-2-002	65	3043B-0754XP00-24H-4-000	109	3043B-2004XP00-32B-4-000	113
3043B-0304TP00-24H-4-000	66	3043B-0754XP00-32B-2-000	112	3043B-2503RP00-24H-4-000	62
3043B-0304TP00-32B-2-000	73	3043B-0754XP00-32B-4-000	113	3043B-2503RP00-32B-4-000	70
3043B-0304TP00-32B-2-002	73	3043B-1003RP00-24H-2-000	61	3043B-2504TP00-24H-4-000	66
3043B-0304TP00-32B-4-000	74	3043B-1003RP00-24H-4-000	62	3043B-2504TP00-32B-4-000	74
3043B-0304XP00-24H-2-000	108	3043B-1003RP00-24H-4-002	62	3043B-2504XP00-24H-4-000	109
3043B-0304XP00-24H-2-002	108	3043B-1003RP00-32B-2-000	69	3043B-2504XP00-32B-4-000	113
3043B-0304XP00-24H-4-000	109	3043B-1003RP00-32B-4-000	70	3043B-3503RP00-24H-4-000	62
3043B-0304XP00-32B-2-000	112	3043B-1003RP00-32B-4-002	70	3043B-3503RP00-32B-4-000	70
3043B-0304XP00-32B-2-002	112	3043B-1004TP00-24H-2-000	65	3043B-3504TP00-24H-4-000	66
3043B-0304XP00-32B-4-000	113	3043B-1004TP00-24H-4-000	66	3043B-3504TP00-32B-4-000	74
3043B-0403RP00-24H-2-000	61	3043B-1004TP00-24H-4-002	66	3043B-3504XP00-24H-4-000	109
3043B-0403RP00-24H-4-000	62	3043B-1004TP00-32B-2-000	73	3043B-3504XP00-32B-4-000	113
3043B-0403RP00-32B-2-000	69	3043B-1004TP00-32B-4-000	74	3043B-4003RP00-24H-4-000	62
3043B-0403RP00-32B-4-000	70	3043B-1004TP00-32B-4-002	74	3043B-4003RP00-32B-4-000	70
3043B-0404TP00-24H-2-000	65	3043B-1004XP00-24H-2-000	108	3043B-4004TP00-24H-4-000	66
3043B-0404TP00-24H-4-000	66	3043B-1004XP00-24H-4-000	109	3043B-4004TP00-32B-4-000	74
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3043B-0404XP00-24H-2-000	108	3043B-1004XP00-32B-4-000	113	3044B-1K03RP00-24H-4-000	78
3043B-0404XP00-24H-4-000	109	3043B-1004XP00-32B-4-002	113	3044B-1K03RP00-32B-4-000	90
3043B-0404XP00-32B-2-000	112	3043B-1253RP00-24H-2-000	61	3044B-1K04TP00-24H-4-000	84
3043B-0404XP00-32B-4-000	113	3043B-1253RP00-32B-2-000	69	3044B-1K04TP00-32B-4-000	96
3043B-0503RP00-24H-2-000	61	3043B-1254TP00-24H-2-000	65	3044B-1K04XP00-24H-4-000	117
3043B-0503RP00-24H-4-000	62	3043B-1254TP00-32B-2-000	73	3044B-1K04XP00-32B-4-000	123
3043B-0503RP00-32B-2-000	69	3043B-1254XP00-24H-2-000	108	3044B-7P53RP00-24H-2-002	77
3043B-0503RP00-32B-4-000	70	3043B-1254XP00-32B-2-000	112	3044B-7P53RP00-24H-4-000	78
3043B-0504TP00-24H-2-000	65	3043B-1503RP00-24H-2-000	61	3044B-7P53RP00-32B-2-000	89
3043B-0504TP00-24H-4-000	66	3043B-1503RP00-24H-4-000	62	3044B-7P53RP00-32B-4-000	90
3043B-0504TP00-32B-2-000	73	3043B-1503RP00-24H-4-002	62	3044B-7P54TP00-24H-2-002	83
3043B-0504TP00-32B-4-000	74	3043B-1503RP00-32B-2-000	69	3044B-7P54TP00-24H-4-000	84
3043B-0504XP00-24H-2-000	108	3043B-1503RP00-32B-4-000	70	3044B-7P54TP00-32B-2-002	95
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3043B-0603RP00-24H-4-000	62	3043B-1504TP00-32B-2-000	73	3044B-7P54XP00-32B-4-000	123
3043B-0603RP00-32B-2-000	69	3043B-1504TP00-32B-4-000	74	3044B-0033RP00-24H-2-000	77
3043B-0603RP00-32B-4-000	70	3043B-1504TP00-32B-4-002	74	3044B-0033RP00-24H-2-002	77
3043B-0604TP00-24H-2-000	65	3043B-1504XP00-24H-2-000	108	3044B-0033RP00-32B-2-000	89
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3043B-0604TP00-32B-4-000	74	3043B-1504XP00-32B-2-000	112	3044B-0034TP00-24H-2-002	83
3043B-0604XP00-24H-2-000	108	3043B-1504XP00-32B-4-000	113	3044B-0034TP00-32B-2-000	95
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3043B-0753RP00-24H-4-000	62	3043B-2003RP00-32B-4-000	70	3044B-0034XP00-32B-2-002	122
3043B-0753RP00-32B-2-000	69	3043B-2004TP00-24H-2-000	65	3044B-0053RP00-24H-2-000	77
3043B-0753RP00-32B-4-000	70	3043B-2004TP00-24H-4-000	66	3044B-0053RP00-32B-2-000	89
3043B-0754TP00-24H-2-000	65	3043B-2004TP00-24H-4-000	66	3044B-0054TP00-24H-2-000	83
3043B-0754TP00-24H-4-000	66	3043B-2004TP00-32B-2-000	73	3044B-0054TP00-24H-2-000	95
3043B-0754TP00-32B-2-000	73	3043B-2004TP00-32B-4-000	74	3044B-0054TP00-32B-2-000	95
3043B-0754TP00-32B-4-000	74	3043B-2004XP00-24H-2-000	108	3044B-0054XP00-24H-2-000	116
3043B-0754XP00-24H-2-000	108	3043B-2004XP00-24H-4-000	109	3044B-0054XP00-32B-2-000	122
		3043B-2004XP00-32B-2-000	112	3044B-0103RP00-24H-2-000	77

SAFETY SWITCHES/
DISCONNECTACROSS THE LINE
STARTERSPART WIND
STARTERSSOFT
STARTERSVARIABLE FREQUENCY
DRIVES

APPENDIX



SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

3044B-0103RP00-24H-4-000.....	78	3044B-0303RP00-32B-4-000.....	90	3044B-0754TP00-32B-4-002.....	96
3044B-0103RP00-32B-2-000.....	89	3044B-0304TP00-24H-2-000.....	83	3044B-0754XP00-24H-2-000.....	116
3044B-0103RP00-32B-4-000.....	90	3044B-0304TP00-24H-4-000.....	84	3044B-0754XP00-24H-4-000.....	117
3044B-0104TP00-24H-2-000.....	83	3044B-0304TP00-32B-2-000.....	95	3044B-0754XP00-32B-2-000.....	122
3044B-0104TP00-24H-4-000.....	84	3044B-0304TP00-32B-4-000.....	96	3044B-0754XP00-32B-4-000.....	123
3044B-0104TP00-32B-2-000.....	95	3044B-0304XP00-24H-2-000.....	116	3044B-0754XP00-32B-4-002.....	123
3044B-0104TP00-32B-4-000.....	96	3044B-0304XP00-24H-4-000.....	117	3044B-1003RP00-24H-2-000.....	77
3044B-0104XP00-24H-2-000.....	116	3044B-0304XP00-32B-2-000.....	122	3044B-1003RP00-24H-4-000.....	78
3044B-0104XP00-24H-4-000.....	117	3044B-0304XP00-32B-4-000.....	123	3044B-1003RP00-32B-2-000.....	89
3044B-0104XP00-32B-2-000.....	122	3044B-0403RP00-24H-2-000.....	77	3044B-1003RP00-32B-4-000.....	90
3044B-0104XP00-32B-4-000.....	123	3044B-0403RP00-24H-4-000.....	78	3044B-1004TP00-24H-2-000.....	83
3044B-0153RP00-24H-2-000.....	77	3044B-0403RP00-32B-2-000.....	89	3044B-1004TP00-24H-4-000.....	84
3044B-0153RP00-24H-4-000.....	78	3044B-0403RP00-32B-4-000.....	90	3044B-1004TP00-32B-2-000.....	95
3044B-0153RP00-24H-4-002.....	78	3044B-0404TP00-24H-2-002.....	83	3044B-1004TP00-32B-4-000.....	96
3044B-0153RP00-32B-2-000.....	89	3044B-0404TP00-24H-4-000.....	84	3044B-1004XP00-24H-2-000.....	116
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3044B-0154TP00-24H-4-000.....	84	3044B-0404XP00-24H-4-000.....	117	3044B-1253RP00-24H-2-000.....	77
3044B-0154TP00-24H-4-002.....	84	3044B-0404XP00-32B-2-000.....	122	3044B-1253RP00-32B-2-000.....	89
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3044B-0154TP00-32B-4-000.....	96	3044B-0503RP00-24H-2-000.....	77	3044B-1254TP00-32B-2-000.....	95
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3044B-0154XP00-24H-4-000.....	117	3044B-0503RP00-32B-4-000.....	90	3044B-1503RP00-24H-2-000.....	77
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3044B-0154XP00-32B-4-002.....	123	3044B-0504TP00-32B-4-000.....	96	3044B-1503RP00-32B-4-000.....	90
3044B-0203RP00-24H-2-000.....	77	3044B-0504XP00-24H-2-000.....	116	3044B-1503RP00-32B-4-002.....	90
3044B-0203RP00-24H-2-002.....	77	3044B-0504XP00-24H-4-000.....	117	3044B-1504TP00-24H-2-000.....	83
3044B-0203RP00-24H-4-000.....	78	3044B-0504XP00-32B-2-000.....	122	3044B-1504TP00-24H-4-000.....	84
3044B-0203RP00-32B-2-000.....	89	3044B-0504XP00-32B-4-000.....	123	3044B-1504TP00-24H-4-002.....	84
3044B-0203RP00-32B-2-002.....	89	3044B-0603RP00-24H-2-000.....	77	3044B-1504TP00-32B-2-000.....	95
3044B-0203RP00-32B-4-000.....	90	3044B-0603RP00-24H-4-000.....	78	3044B-1504TP00-32B-4-000.....	96
3044B-0204TP00-24H-2-000.....	83	3044B-0603RP00-32B-2-000.....	89	3044B-1504TP00-32B-4-002.....	96
3044B-0204TP00-24H-2-002.....	83	3044B-0603RP00-32B-4-000.....	90	3044B-1504XP00-24H-2-000.....	116
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3044B-0204TP00-32B-2-002.....	95	3044B-0604TP00-32B-2-000.....	95	3044B-1504XP00-32B-2-000.....	122
3044B-0204TP00-32B-4-000.....	96	3044B-0604TP00-32B-4-000.....	96	3044B-1504XP00-32B-4-000.....	123
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3044B-0204XP00-24H-2-002.....	116	3044B-0604XP00-24H-4-000.....	117	3044B-2003RP00-24H-2-000.....	77
3044B-0204XP00-24H-4-000.....	117	3044B-0604XP00-32B-2-000.....	122	3044B-2003RP00-24H-2-002.....	77
3044B-0204XP00-32B-2-000.....	122	3044B-0604XP00-32B-4-000.....	123	3044B-2003RP00-24H-4-000.....	78
3044B-0204XP00-32B-2-002.....	122	3044B-0753RP00-24H-2-000.....	77	3044B-2003RP00-32B-2-000.....	89
3044B-0204XP00-32B-4-000.....	123	3044B-0753RP00-24H-4-000.....	78	3044B-2003RP00-32B-2-002.....	89
3044B-0204XP00-32B-4-002.....	123	3044B-0753RP00-24H-4-002.....	78	3044B-2003RP00-32B-4-000.....	90
3044B-0253RP00-24H-2-000.....	77	3044B-0753RP00-32B-2-000.....	89	3044B-2004TP00-24H-2-000.....	83
3044B-0253RP00-32B-2-000.....	89	3044B-0753RP00-32B-4-000.....	90	3044B-2004TP00-24H-2-002.....	83
3044B-0254TP00-24H-2-000.....	83	3044B-0753RP00-32B-4-002.....	90	3044B-2004TP00-24H-4-000.....	84
3044B-0254TP00-32B-2-000.....	95	3044B-0754TP00-24H-2-002.....	83	3044B-2004TP00-32B-2-000.....	95
3044B-0254XP00-24H-2-000.....	116	3044B-0754TP00-24H-4-000.....	84	3044B-2004TP00-32B-2-002.....	95
3044B-0254XP00-32B-2-000.....	122	3044B-0754TP00-24H-4-002.....	84	3044B-2004TP00-32B-4-000.....	96
3044B-0303RP00-24H-2-000.....	77	3044B-0754TP00-32B-2-000.....	95	3044B-2004XP00-24H-2-000.....	116
3044B-0303RP00-24H-4-000.....	78	3044B-0754TP00-32B-4-000.....	96	3044B-2004XP00-24H-2-002.....	116
3044B-0303RP00-32B-2-000.....	89				



3044B-2004XP00-24H-4-000117	3044B-5004XP00-24H-4-000117	3045B-1253RP00-24H-2-00053
3044B-2004XP00-32B-2-000122	3044B-5004XP00-32B-4-000123	3045B-1253RP00-32B-2-00057
3044B-2004XP00-32B-2-002122	3044B-6003RP00-24H-4-00078	3045B-1254TP00-24H-2-00055
3044B-2004XP00-32B-4-000123	3044B-6003RP00-32B-4-00090	3045B-1254TP00-32B-2-00059
3044B-2503RP00-24H-2-00077	3044B-6004TP00-24H-4-00084	3045B-1254XP00-24H-2-000104
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3044B-2503RP00-32B-2-00089	3044B-6004XP00-24H-4-000117	3045B-1503RP00-24H-2-00053
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3044B-2504TP00-24H-2-00083	3044B-8503RP00-24H-4-00078	3045B-1503RP00-32B-2-00057
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3044B-2504XP00-24H-2-000116	3044B-8504XP00-24H-4-000117	3045B-1504TP00-24H-4-00055
3044B-2504XP00-24H-4-000117	3044B-8504XP00-32B-4-000123	3045B-1504TP00-24H-4-00255
3044B-2504XP00-32B-2-000122	3045B-0403RP00-24H-2-00053	3045B-1504TP00-32B-2-00059
3044B-2504XP00-32B-4-000123	3045B-0403RP00-32B-2-00057	3045B-1504TP00-32B-4-00059
3044B-3003RP00-24H-2-00077	3045B-0404TP00-24H-2-00055	3045B-1504TP00-32B-4-00259
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3044B-3003RP00-32B-4-00090	3045B-0404XP00-32B-2-000106	3045B-1504XP00-24H-4-000104
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3044B-3004XP00-24H-4-000117	3045B-0504XP00-32B-2-000106	3045B-2003RP00-24H-4-00053
3044B-3004XP00-32B-2-000122	3045B-0603RP00-24H-2-00053	3045B-2003RP00-32B-2-00057
3044B-3004XP00-32B-4-000123	3045B-0603RP00-32B-2-00057	3045B-2003RP00-32B-4-00057
3044B-4003RP00-24H-2-00077	3045B-0604TP00-24H-2-00055	3045B-2004TP00-24H-2-00055
3044B-4003RP00-24H-4-00078	3045B-0604TP00-32B-2-00059	3045B-2004TP00-24H-4-00055
3044B-4003RP00-32B-2-00089	3045B-0604XP00-24H-2-000104	3045B-2004TP00-32B-2-00059
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3044B-4004TP00-24H-4-00084	3045B-0753RP00-32B-2-00057	3045B-2004XP00-24H-4-000104
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3044B-4004XP00-24H-2-000116	3045B-0754XP00-24H-2-000104	3045B-2503RP00-24H-4-00053
3044B-4004XP00-24H-4-000117	3045B-0754XP00-32B-2-000106	3045B-2503RP00-32B-4-00057
3044B-4004XP00-32B-2-000122	3045B-1003RP00-24H-2-00053	3045B-2504TP00-24H-4-00055
3044B-4004XP00-32B-4-000123	3045B-1003RP00-24H-4-00053	3045B-2504TP00-32B-4-00059
3044B-4503RP00-24H-2-00077	3045B-1003RP00-24H-4-00253	3045B-2504XP00-24H-4-000104
3044B-4503RP00-24H-4-00078	3045B-1003RP00-32B-2-00057	3045B-2504XP00-32B-4-000106
3044B-4503RP00-32B-2-00089	3045B-1003RP00-32B-4-00057	3045B-3503RP00-24H-4-00053
3044B-4503RP00-32B-4-00090	3045B-1003RP00-32B-4-00257	3045B-3503RP00-32B-4-00057
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3044B-4504TP00-24H-4-00084	3045B-1004TP00-24H-4-00055	3045B-3504TP00-32B-4-00059
3044B-4504TP00-32B-2-00095	3045B-1004TP00-24H-4-00255	3045B-3504XP00-24H-4-000104
3044B-4504TP00-32B-4-00096	3045B-1004TP00-32B-2-00059	3045B-3504XP00-32B-4-000106
3044B-4504XP00-24H-2-000116	3045B-1004TP00-32B-4-00059	3045B-4003RP00-24H-4-00053
3044B-4504XP00-24H-4-000117	3045B-1004TP00-32B-4-00259	3045B-4003RP00-32B-4-00057
3044B-4504XP00-32B-2-000122	3045B-1004XP00-24H-2-000104	3045B-4004TP00-24H-4-00055
3044B-4504XP00-32B-4-000123	3045B-1004XP00-24H-4-000104	3045B-4004TP00-32B-4-00059
3044B-5003RP00-24H-4-00078	3045B-1004XP00-24H-4-002104	3045B-4004XP00-24H-4-000104
3044B-5003RP00-32B-4-00090	3045B-1004XP00-32B-2-000106	3045B-4004XP00-32B-4-000106
3044B-5004TP00-24H-4-00084	3045B-1004XP00-32B-4-000106	3120B-0203RP00-27E-4-000128
3044B-5004TP00-32B-4-00096	3045B-1004XP00-32B-4-002106	3120B-0203RP00-27S-4-000130

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

3120B-0204TP00-27E-4-000 129
 3120B-0204TP00-27S-4-000 131
 3120B-0253RP00-27E-4-000 128
 3120B-0253RP00-27S-4-000 130
 3120B-0254TP00-27E-4-000 129
 3120B-0254TP00-27S-4-000 131
 3120B-0303RP00-27E-4-000 128
 3120B-0303RP00-27S-4-000 130
 3120B-0304TP00-27E-4-000 129
 3120B-0304TP00-27S-4-000 131
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 3120B-0403RP00-27S-4-000 130
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 3120B-0404TP00-27S-4-000 131
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 3120B-500FTP00-27S-4-000 131
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 3120B-3003RP00-27S-4-000 130

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 3143B-7P54TP00-24H-2-002 67
 3143B-7P54TP00-24H-4-000 68
 3143B-7P54TP00-32B-2-000 75
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 3143B-7P54XP00-24H-2-002 110
 3143B-7P54XP00-24H-4-000 111
 3143B-7P54XP00-32B-2-000 114
 3143B-7P54XP00-32B-2-002 114
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 3143B-0033RP00-32B-2-000 71
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 3143B-0034TP00-32B-2-000 75
 3143B-0034XP00-24H-2-000 110
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 3143B-0054TP00-32B-2-000 75
 3143B-0054XP00-24H-2-000 110
 3143B-0054XP00-32B-2-000 114
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 3143B-0103RP00-24H-2-002 63

3143B-0103RP00-24H-4-000 64
 3143B-0103RP00-32B-2-000 71
 3143B-0103RP00-32B-2-002 71
 3143B-0103RP00-32B-4-000 72
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 3143B-0104TP00-32B-2-002 75
 3143B-0104TP00-32B-2-003 75
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 3143B-0203RP00-24H-2-002 63
 3143B-0203RP00-24H-4-000 64
 3143B-0203RP00-32B-2-000 71
 3143B-0203RP00-32B-4-000 72
 3143B-0203RP00-32B-4-002 72
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 3143B-0204TP00-24H-2-002 67
 3143B-0204TP00-24H-4-000 68
 3143B-0204TP00-24H-4-002 68
 3143B-0204TP00-32B-2-000 75
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 3143B-0204TP00-32B-4-002 76
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 3143B-0303RP00-24H-2-003 63
 3143B-0303RP00-24H-4-000 64
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 3143B-0303RP00-32B-2-002 71
 3143B-0303RP00-32B-2-003 71
 3143B-0303RP00-32B-4-000 72
 3143B-0304TP00-24H-2-000 67



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3143B-0304TP00-24H-4-00068	3143B-0604XP00-24H-2-002110	3143B-1503RP00-32B-4-00072
3143B-0304TP00-32B-2-00075	3143B-0604XP00-24H-4-000111	3143B-1503RP00-32B-4-00272
3143B-0304TP00-32B-2-00275	3143B-0604XP00-32B-2-000114	3143B-1503RP00-32B-4-00372
3143B-0304TP00-32B-2-00375	3143B-0604XP00-32B-2-002114	3143B-1504TP00-24H-4-00068
3143B-0304TP00-32B-4-00076	3143B-0604XP00-32B-4-000115	3143B-1504TP00-24H-4-00268
3143B-0304XP00-24H-2-000110	3143B-0753RP00-24H-2-00063	3143B-1504TP00-24H-4-00368
3143B-0304XP00-24H-2-002110	3143B-0753RP00-24H-2-00263	3143B-1504TP00-32B-4-00076
3143B-0304XP00-24H-2-003110	3143B-0753RP00-24H-4-00064	3143B-1504TP00-32B-4-00276
3143B-0304XP00-24H-4-000111	3143B-0753RP00-24H-4-00264	3143B-1504TP00-32B-4-00376
3143B-0304XP00-32B-2-000114	3143B-0753RP00-24H-4-00364	3143B-1504XP00-24H-4-000111
3143B-0304XP00-32B-2-002114	3143B-0753RP00-32B-2-00071	3143B-1504XP00-24H-4-002111
3143B-0304XP00-32B-2-003114	3143B-0753RP00-32B-2-00271	3143B-1504XP00-24H-4-003111
3143B-0304XP00-32B-4-000115	3143B-0753RP00-32B-4-00072	3143B-1504XP00-32B-4-000115
3143B-0403RP00-24H-2-00063	3143B-0753RP00-32B-4-00272	3143B-1504XP00-32B-4-002115
3143B-0403RP00-24H-4-00064	3143B-0753RP00-32B-4-00372	3143B-1504XP00-32B-4-003115
3143B-0403RP00-24H-4-00264	3143B-0754TP00-24H-2-00067	3143B-2003RP00-24H-4-00064
3143B-0403RP00-32B-2-00071	3143B-0754TP00-24H-2-00267	3143B-2003RP00-32B-4-00072
3143B-0403RP00-32B-4-00072	3143B-0754TP00-24H-4-00068	3143B-2004TP00-24H-4-00068
3143B-0403RP00-32B-4-00272	3143B-0754TP00-24H-4-00268	3143B-2004TP00-32B-4-00076
3143B-0404TP00-24H-2-00067	3143B-0754TP00-24H-4-00368	3143B-2004XP00-24H-4-000111
3143B-0404TP00-24H-4-00068	3143B-0754TP00-32B-2-00075	3143B-2004XP00-32B-4-000115
3143B-0404TP00-24H-4-00268	3143B-0754TP00-32B-2-00275	3144B-7P53RP00-24H-2-00079
3143B-0404TP00-32B-2-00075	3143B-0754TP00-32B-4-00076	3144B-7P53RP00-24H-2-00279
3143B-0404TP00-32B-4-00076	3143B-0754TP00-32B-4-00276	3144B-7P53RP00-24H-4-00080
3143B-0404TP00-32B-4-00276	3143B-0754TP00-32B-4-00376	3144B-7P53RP00-32B-2-00091
3143B-0404XP00-24H-2-000110	3143B-0754XP00-24H-2-000110	3144B-7P53RP00-32B-2-00291
3143B-0404XP00-24H-4-000111	3143B-0754XP00-24H-2-002110	3144B-7P53RP00-32B-4-00092
3143B-0404XP00-24H-4-002111	3143B-0754XP00-24H-4-000111	3144B-7P54TP00-24H-2-00085
3143B-0404XP00-32B-2-000114	3143B-0754XP00-24H-4-002111	3144B-7P54TP00-24H-2-00285
3143B-0404XP00-32B-4-000115	3143B-0754XP00-24H-4-003111	3144B-7P54TP00-24H-4-00086
3143B-0404XP00-32B-4-002115	3143B-0754XP00-32B-2-000114	3144B-7P54TP00-32B-2-00097
3143B-0503RP00-24H-2-00063	3143B-0754XP00-32B-2-002114	3144B-7P54TP00-32B-2-00297
3143B-0503RP00-24H-4-00064	3143B-0754XP00-32B-4-000115	3144B-7P54TP00-32B-4-00098
3143B-0503RP00-32B-2-00071	3143B-0754XP00-32B-4-002115	3144B-7P54XP00-24H-2-000118
3143B-0503RP00-32B-4-00072	3143B-0754XP00-32B-4-003115	3144B-7P54XP00-24H-4-000119
3143B-0504TP00-24H-2-00067	3143B-1003RP00-24H-2-00063	3144B-7P54XP00-32B-2-000124
3143B-0504TP00-24H-4-00068	3143B-1003RP00-24H-4-00064	3144B-7P54XP00-32B-2-002124
3143B-0504TP00-32B-2-00075	3143B-1003RP00-32B-2-00071	3144B-7P54XP00-32B-4-000125
3143B-0504TP00-32B-4-00076	3143B-1003RP00-32B-4-00072	3144B-0033RP00-24H-2-00079
3143B-0504XP00-24H-2-000110	3143B-1004TP00-24H-2-00067	3144B-0033RP00-32B-2-00091
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3143B-0504XP00-32B-2-000114	3143B-1004TP00-32B-2-00075	3144B-0034TP00-32B-2-00097
3143B-0504XP00-32B-4-000115	3143B-1004TP00-32B-4-00076	3144B-0034XP00-24H-2-000118
3143B-0603RP00-24H-2-00063	3143B-1004XP00-24H-2-000110	3144B-0034XP00-32B-2-000124
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3143B-0603RP00-24H-4-00064	3143B-1004XP00-32B-2-000114	3144B-0053RP00-32B-2-00091
3143B-0603RP00-32B-2-00071	3143B-1004XP00-32B-4-000115	3144B-0054TP00-24H-2-00085
3143B-0603RP00-32B-2-00271	3143B-1253RP00-24H-4-00064	3144B-0054TP00-32B-2-00097
3143B-0603RP00-32B-4-00072	3143B-1253RP00-32B-4-00072	3144B-0054XP00-24H-2-000118
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3143B-0604TP00-24H-2-00267	3143B-1254TP00-32B-4-00076	3144B-0103RP00-24H-2-00079
3143B-0604TP00-24H-4-00068	3143B-1254XP00-24H-4-000111	3144B-0103RP00-24H-4-00080
3143B-0604TP00-32B-2-00075	3143B-1254XP00-32B-4-000115	3144B-0103RP00-32B-2-00091
3143B-0604TP00-32B-2-00275	3143B-1503RP00-24H-4-00064	

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

3144B-0103RP00-32B-4-000	92	3144B-0304TP00-32B-4-000	98	3144B-0753RP00-32B-4-002	92
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3144B-0104TP00-24H-4-000	86	3144B-0304XP00-24H-2-002	118	3144B-0754TP00-24H-2-002	85
3144B-0104TP00-32B-2-000	97	3144B-0304XP00-24H-4-000	119	3144B-0754TP00-24H-4-000	86
3144B-0104TP00-32B-4-000	98	3144B-0304XP00-32B-2-000	124	3144B-0754TP00-24H-4-002	86
3144B-0104XP00-24H-2-000	118	3144B-0304XP00-32B-2-002	124	3144B-0754TP00-32B-2-000	97
3144B-0104XP00-24H-4-000	119	3144B-0304XP00-32B-4-000	125	3144B-0754TP00-32B-2-002	97
3144B-0104XP00-32B-2-000	124	3144B-0403RP00-24H-2-000	79	3144B-0754TP00-32B-4-000	98
3144B-0104XP00-32B-4-000	125	3144B-0403RP00-24H-2-002	79	3144B-0754TP00-32B-4-002	98
3144B-0153RP00-24H-2-000	79	3144B-0403RP00-24H-4-000	80	3144B-0754XP00-24H-2-000	118
3144B-0153RP00-24H-4-000	80	3144B-0403RP00-32B-2-000	91	3144B-0754XP00-24H-2-002	118
3144B-0153RP00-32B-2-000	91	3144B-0403RP00-32B-2-002	91	3144B-0754XP00-24H-4-000	119
3144B-0153RP00-32B-4-000	92	3144B-0403RP00-32B-4-000	92	3144B-0754XP00-24H-4-002	119
3144B-0154TP00-24H-2-000	85	3144B-0404TP00-24H-2-000	85	3144B-0754XP00-32B-2-000	124
3144B-0154TP00-24H-4-000	86	3144B-0404TP00-24H-2-002	85	3144B-0754XP00-32B-2-002	124
3144B-0154TP00-32B-2-000	97	3144B-0404TP00-24H-4-000	86	3144B-0754XP00-32B-4-000	125
3144B-0154TP00-32B-4-000	98	3144B-0404TP00-32B-2-000	97	3144B-0754XP00-32B-4-002	125
3144B-0154XP00-24H-2-000	118	3144B-0404TP00-32B-2-002	97	3144B-1003RP00-24H-2-000	79
3144B-0154XP00-24H-4-000	119	3144B-0404TP00-32B-4-000	98	3144B-1003RP00-24H-2-002	79
3144B-0154XP00-32B-2-000	124	3144B-0404XP00-24H-2-000	118	3144B-1003RP00-24H-4-000	80
3144B-0154XP00-32B-4-000	125	3144B-0404XP00-24H-2-002	118	3144B-1003RP00-24H-4-002	80
3144B-0203RP00-24H-2-000	79	3144B-0404XP00-24H-4-000	119	3144B-1003RP00-32B-2-000	91
3144B-0203RP00-24H-4-000	80	3144B-0404XP00-32B-2-000	124	3144B-1003RP00-32B-2-002	91
3144B-0203RP00-24H-4-002	80	3144B-0404XP00-32B-2-002	124	3144B-1003RP00-32B-4-000	92
3144B-0203RP00-32B-2-000	91	3144B-0404XP00-32B-4-000	125	3144B-1003RP00-32B-4-002	92
3144B-0203RP00-32B-4-000	92	3144B-0503RP00-24H-2-000	79	3144B-1004TP00-24H-2-000	85
3144B-0203RP00-32B-4-002	92	3144B-0503RP00-24H-4-000	80	3144B-1004TP00-24H-2-002	85
3144B-0204TP00-24H-2-000	85	3144B-0503RP00-32B-2-000	91	3144B-1004TP00-24H-4-000	86
3144B-0204TP00-24H-4-000	86	3144B-0503RP00-32B-4-000	92	3144B-1004TP00-24H-4-002	86
3144B-0204TP00-24H-4-002	86	3144B-0504TP00-24H-2-000	85	3144B-1004TP00-32B-2-000	97
3144B-0204TP00-32B-2-000	97	3144B-0504TP00-24H-4-000	86	3144B-1004TP00-32B-2-002	97
3144B-0204TP00-32B-4-000	98	3144B-0504TP00-32B-2-000	97	3144B-1004TP00-32B-4-000	98
3144B-0204TP00-32B-4-002	98	3144B-0504TP00-32B-4-000	98	3144B-1004TP00-32B-4-002	98
3144B-0204XP00-24H-2-000	118	3144B-0504XP00-24H-2-000	118	3144B-1004XP00-24H-2-000	118
3144B-0204XP00-24H-4-000	119	3144B-0504XP00-24H-4-000	119	3144B-1004XP00-24H-2-002	118
3144B-0204XP00-24H-4-002	119	3144B-0504XP00-32B-2-000	124	3144B-1004XP00-24H-4-000	119
3144B-0204XP00-32B-2-000	124	3144B-0504XP00-32B-4-000	125	3144B-1004XP00-24H-4-002	119
3144B-0204XP00-32B-4-000	125	3144B-0603RP00-24H-2-002	79	3144B-1004XP00-32B-2-000	124
3144B-0204XP00-32B-4-002	125	3144B-0603RP00-24H-4-000	80	3144B-1004XP00-32B-2-002	124
3144B-0253RP00-24H-2-000	79	3144B-0603RP00-32B-2-000	91	3144B-1004XP00-32B-4-000	125
3144B-0253RP00-32B-2-000	91	3144B-0603RP00-32B-4-000	92	3144B-1004XP00-32B-4-002	125
3144B-0254TP00-24H-2-000	85	3144B-0604TP00-24H-2-002	85	3144B-1253RP00-24H-4-000	80
3144B-0254TP00-32B-2-000	97	3144B-0604TP00-24H-4-000	86	3144B-1253RP00-32B-4-000	92
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3144B-0254XP00-32B-2-000	124	3144B-0604TP00-32B-4-000	98	3144B-1254XP00-32B-4-000	125
3144B-0303RP00-24H-2-000	79	3144B-0604XP00-24H-2-000	118	3144B-1503RP00-24H-2-000	79
3144B-0303RP00-24H-2-002	79	3144B-0604XP00-24H-4-000	119	3144B-1503RP00-24H-2-002	79
3144B-0303RP00-24H-4-000	80	3144B-0604XP00-32B-2-000	124	3144B-1503RP00-24H-4-000	80
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3144B-0303RP00-32B-2-002	91	3144B-0753RP00-24H-2-000	79	3144B-1503RP00-32B-2-000	91
3144B-0303RP00-32B-4-000	92	3144B-0753RP00-24H-2-002	79	3144B-1503RP00-32B-2-002	91
3144B-0304TP00-24H-2-000	85	3144B-0753RP00-24H-4-000	80	3144B-1503RP00-32B-4-000	92
3144B-0304TP00-24H-2-002	85	3144B-0753RP00-24H-4-002	80	3144B-1503RP00-32B-4-002	92
3144B-0304TP00-24H-4-000	86	3144B-0753RP00-32B-2-000	91	3144B-1504TP00-24H-2-000	85
3144B-0304TP00-32B-2-000	97	3144B-0753RP00-32B-2-002	91	3144B-1504TP00-24H-2-002	85
3144B-0304TP00-32B-2-002	97	3144B-0753RP00-32B-4-000	92	3144B-1504TP00-24H-4-000	86



3144B-1504TP00-24H-4-00286	3144B-4004XP00-32B-2-000124	3145B-0754TP00-32B-2-00260
3144B-1504TP00-24H-4-00386	3144B-4503RP00-24H-4-00080	3145B-0754TP00-32B-4-00060
3144B-1504TP00-32B-2-00097	3144B-4503RP00-32B-4-00092	3145B-0754TP00-32B-4-00260
3144B-1504TP00-32B-2-00297	3144B-4504TP00-24H-4-00086	3145B-0754XP00-24H-2-000105
3144B-1504TP00-32B-4-00098	3144B-4504TP00-32B-4-00098	3145B-0754XP00-24H-2-002105
3144B-1504TP00-32B-4-00298	3144B-4504XP00-24H-4-000119	3145B-0754XP00-24H-4-000105
3144B-1504TP00-32B-4-00398	3144B-4504XP00-32B-4-000125	3145B-0754XP00-24H-4-002105
3144B-1504XP00-24H-2-000118	3144B-7003RP00-24H-4-00080	3145B-0754XP00-32B-2-000107
3144B-1504XP00-24H-2-002118	3144B-7003RP00-32B-4-00092	3145B-0754XP00-32B-2-002107
3144B-1504XP00-24H-4-000119	3144B-7004TP00-24H-4-00086	3145B-0754XP00-32B-4-000107
3144B-1504XP00-24H-4-002119	3144B-7004TP00-32B-4-00098	3145B-0754XP00-32B-4-002107
3144B-1504XP00-32B-2-000124	3144B-7004XP00-24H-4-000119	3145B-1003RP00-24H-2-00054
3144B-1504XP00-32B-2-002124	3144B-7004XP00-32B-4-000125	3145B-1003RP00-24H-2-00254
3144B-1504XP00-32B-4-000125	3144B-7503RP00-24H-4-00080	3145B-1003RP00-24H-4-00054
3144B-1504XP00-32B-4-002125	3144B-7503RP00-32B-4-00092	3145B-1003RP00-32B-2-00058
3144B-2003RP00-24H-2-00079	3144B-7504TP00-24H-4-00086	3145B-1003RP00-32B-2-00258
3144B-2003RP00-24H-4-00080	3144B-7504TP00-32B-4-00098	3145B-1003RP00-32B-4-00058
3144B-2003RP00-24H-4-00280	3144B-7504XP00-24H-4-000119	3145B-1004TP00-24H-2-00056
3144B-2003RP00-32B-2-00091	3144B-7504XP00-32B-4-000125	3145B-1004TP00-24H-2-00256
3144B-2003RP00-32B-4-00092	3145B-0303RP00-24H-2-00054	3145B-1004TP00-24H-4-00056
3144B-2003RP00-32B-4-00292	3145B-0303RP00-32B-2-00058	3145B-1004TP00-32B-2-00060
3144B-2004TP00-24H-2-00085	3145B-0304TP00-24H-2-00056	3145B-1004TP00-32B-2-00260
3144B-2004TP00-24H-4-00086	3145B-0304TP00-32B-2-00060	3145B-1004TP00-32B-4-00060
3144B-2004TP00-24H-4-00286	3145B-0304XP00-24H-2-000105	3145B-1004XP00-24H-2-000105
3144B-2004TP00-32B-2-00097	3145B-0304XP00-32B-2-000107	3145B-1004XP00-24H-2-002105
3144B-2004TP00-32B-4-00098	3145B-0403RP00-24H-2-00054	3145B-1004XP00-24H-4-000105
3144B-2004TP00-32B-4-00298	3145B-0403RP00-32B-2-00058	3145B-1004XP00-32B-2-000107
3144B-2004XP00-24H-2-000118	3145B-0404TP00-24H-2-00056	3145B-1004XP00-32B-2-002107
3144B-2004XP00-24H-4-000119	3145B-0404TP00-32B-2-00060	3145B-1004XP00-32B-4-000107
3144B-2004XP00-24H-4-002119	3145B-0404XP00-24H-2-000105	3145B-1253RP00-24H-4-00054
3144B-2004XP00-32B-2-000124	3145B-0404XP00-32B-2-000107	3145B-1253RP00-32B-4-00058
3144B-2004XP00-32B-4-000125	3145B-0503RP00-24H-2-00054	3145B-1254TP00-24H-4-00056
3144B-2004XP00-32B-4-002125	3145B-0503RP00-32B-2-00058	3145B-1254TP00-32B-4-00060
3144B-3503RP00-24H-2-00079	3145B-0504TP00-24H-2-00056	3145B-1254XP00-32B-4-000107
3144B-3503RP00-24H-4-00080	3145B-0504TP00-32B-2-00060	3145B-1503RP00-24H-4-00054
3144B-3503RP00-24H-4-00280	3145B-0504XP00-24H-2-000105	3145B-1503RP00-24H-4-00254
3144B-3503RP00-32B-2-00091	3145B-0504XP00-32B-2-000107	3145B-1503RP00-32B-4-00058
3144B-3503RP00-32B-4-00092	3145B-0603RP00-24H-2-00054	3145B-1503RP00-32B-4-00258
3144B-3503RP00-32B-4-00292	3145B-0603RP00-32B-2-00058	3145B-1504TP00-24H-4-00056
3144B-3504TP00-24H-2-00085	3145B-0604TP00-24H-2-00056	3145B-1504TP00-24H-4-00256
3144B-3504TP00-24H-4-00086	3145B-0604TP00-32B-2-00060	3145B-1504TP00-32B-4-00060
3144B-3504TP00-24H-4-00286	3145B-0604XP00-24H-2-000105	3145B-1504TP00-32B-4-00260
3144B-3504TP00-32B-2-00097	3145B-0604XP00-32B-2-000107	3145B-1504XP00-24H-4-000105
3144B-3504TP00-32B-4-00098	3145B-0753RP00-24H-2-00054	3145B-1504XP00-24H-4-002105
3144B-3504TP00-32B-4-00298	3145B-0753RP00-24H-2-00254	3145B-1504XP00-32B-4-000107
3144B-3504XP00-24H-2-000118	3145B-0753RP00-24H-4-00054	3145B-2003RP00-24H-4-00054
3144B-3504XP00-24H-4-000119	3145B-0753RP00-24H-4-00254	3145B-2003RP00-24H-4-00254
3144B-3504XP00-24H-4-002119	3145B-0753RP00-32B-2-00058	3145B-2003RP00-32B-4-00058
3144B-3504XP00-32B-2-000124	3145B-0753RP00-32B-2-00258	3145B-2003RP00-32B-4-00258
3144B-3504XP00-32B-4-000125	3145B-0753RP00-32B-4-00058	3145B-2004TP00-24H-4-00056
3144B-3504XP00-32B-4-002125	3145B-0753RP00-32B-4-00258	3145B-2004TP00-24H-4-00256
3144B-4003RP00-24H-2-00079	3145B-0754TP00-24H-2-00056	3145B-2004TP00-32B-4-00060
3144B-4003RP00-32B-2-00091	3145B-0754TP00-24H-2-00256	3145B-2004TP00-32B-4-00260
3144B-4004TP00-24H-2-00085	3145B-0754TP00-24H-4-00056	3145B-2004XP00-24H-4-000105
3144B-4004TP00-32B-2-00097	3145B-0754TP00-24H-4-00256	3145B-2004XP00-24H-4-002105
3144B-4004XP00-24H-2-000118	3145B-0754TP00-32B-2-00060	

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX

3145B-2004XP00-32B-4-000	107	3244B-0154XP00-24H-4-002	121	3244B-0504TP00-32B-4-000	100
3145B-2004XP00-32B-4-002	107	3244B-0154XP00-24H-4-003	121	3244B-0504XP00-24H-2-000	120
3244B-7P53RP00-24H-2-000	81	3244B-0154XP00-32B-2-000	126	3244B-0504XP00-24H-4-000	121
3244B-7P53RP00-24H-4-000	82	3244B-0154XP00-32B-4-000	127	3244B-0504XP00-32B-2-000	126
3244B-7P54TP00-24H-2-000	88	3244B-0154XP00-32B-4-002	127	3244B-0504XP00-32B-4-000	127
3244B-7P54TP00-24H-4-000	87	3244B-0154XP00-32B-4-003	127	3244B-0603RP00-24H-2-000	81
3244B-7P54TP00-32B-2-000	99	3244B-0203RP00-24H-2-000	81	3244B-0603RP00-24H-2-002	81
3244B-7P54TP00-32B-4-000	100	3244B-0204TP00-24H-2-000	88	3244B-0603RP00-24H-2-003	81
3244B-7P54XP00-24H-2-000	120	3244B-0204TP00-32B-2-000	99	3244B-0603RP00-24H-4-000	82
3244B-7P54XP00-24H-4-000	121	3244B-0204XP00-24H-2-000	120	3244B-0604TP00-24H-2-000	88
3244B-7P54XP00-32B-2-000	126	3244B-0204XP00-32B-2-000	126	3244B-0604TP00-24H-2-002	88
3244B-7P54XP00-32B-4-000	127	3244B-0253RP00-24H-2-000	81	3244B-0604TP00-24H-2-003	88
3244B-0033RP00-24H-2-000	81	3244B-0253RP00-24H-2-002	81	3244B-0604TP00-24H-4-000	87
3244B-0034TP00-24H-2-000	88	3244B-0253RP00-24H-4-000	82	3244B-0604TP00-32B-2-000	99
3244B-0034TP00-32B-2-000	99	3244B-0254TP00-24H-2-000	88	3244B-0604TP00-32B-2-002	99
3244B-0034XP00-24H-2-000	120	3244B-0254TP00-24H-2-002	88	3244B-0604TP00-32B-2-003	99
3244B-0034XP00-32B-2-000	126	3244B-0254TP00-24H-4-000	87	3244B-0604TP00-32B-4-000	100
3244B-0053RP00-24H-2-000	81	3244B-0254TP00-32B-2-000	99	3244B-0604XP00-24H-2-000	120
3244B-0054TP00-24H-2-000	88	3244B-0254TP00-32B-2-002	99	3244B-0604XP00-24H-2-002	120
3244B-0054TP00-32B-2-000	99	3244B-0254TP00-32B-4-000	100	3244B-0604XP00-24H-2-003	120
3244B-0054XP00-24H-2-000	120	3244B-0254XP00-24H-2-000	120	3244B-0604XP00-24H-4-000	121
3244B-0054XP00-32B-2-000	126	3244B-0254XP00-24H-2-002	120	3244B-0604XP00-32B-2-000	126
3244B-0103RP00-24H-2-000	81	3244B-0254XP00-24H-4-000	121	3244B-0604XP00-32B-2-002	126
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3244B-0103RP00-24H-2-003	81	3244B-0254XP00-32B-2-002	126	3244B-0604XP00-32B-4-000	127
3244B-0103RP00-24H-4-000	82	3244B-0254XP00-32B-4-000	127	3244B-0753RP00-24H-2-002	81
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3244B-0104TP00-24H-2-002	88	3244B-0303RP00-24H-4-000	82	3244B-0753RP00-24H-4-002	82
3244B-0104TP00-24H-2-003	88	3244B-0304TP00-24H-2-000	88	3244B-0753RP00-24H-4-003	82
3244B-0104TP00-24H-4-000	87	3244B-0304TP00-24H-4-000	87	3244B-0754TP00-24H-2-002	88
3244B-0104TP00-32B-2-000	99	3244B-0304TP00-32B-2-000	99	3244B-0754TP00-24H-4-000	87
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3244B-0104TP00-32B-2-003	99	3244B-0304XP00-24H-2-000	120	3244B-0754TP00-24H-4-003	87
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3244B-0104XP00-24H-2-000	120	3244B-0304XP00-32B-2-000	126	3244B-0754TP00-32B-4-000	100
3244B-0104XP00-24H-2-002	120	3244B-0304XP00-32B-4-000	127	3244B-0754TP00-32B-4-002	100
3244B-0104XP00-24H-2-003	120	3244B-0403RP00-24H-2-000	81	3244B-0754TP00-32B-4-003	100
3244B-0104XP00-24H-4-000	121	3244B-0403RP00-24H-2-002	81	3244B-0754XP00-24H-2-000	120
3244B-0104XP00-32B-2-000	126	3244B-0403RP00-24H-4-000	82	3244B-0754XP00-24H-4-000	121
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3244B-0104XP00-32B-2-003	126	3244B-0404TP00-24H-2-002	88	3244B-0754XP00-24H-4-003	121
3244B-0104XP00-32B-4-000	127	3244B-0404TP00-24H-4-000	87	3244B-0754XP00-32B-2-000	126
3244B-0153RP00-24H-2-000	81	3244B-0404TP00-32B-2-000	99	3244B-0754XP00-32B-4-000	127
3244B-0153RP00-24H-4-000	82	3244B-0404TP00-32B-2-002	99	3244B-0754XP00-32B-4-002	127
3244B-0153RP00-24H-4-002	82	3244B-0404TP00-32B-4-000	100	3244B-0754XP00-32B-4-003	127
3244B-0153RP00-24H-4-003	82	3244B-0404XP00-24H-2-000	120	3244B-1003RP00-24H-4-000	82
3244B-0154TP00-24H-2-000	88	3244B-0404XP00-24H-2-002	120	3244B-1004TP00-24H-4-000	87
3244B-0154TP00-24H-4-000	87	3244B-0404XP00-24H-4-000	121	3244B-1004TP00-32B-4-000	100
3244B-0154TP00-24H-4-002	87	3244B-0404XP00-32B-2-000	126	3244B-1004XP00-24H-4-000	121
3244B-0154TP00-24H-4-003	87	3244B-0404XP00-32B-2-002	126	3244B-1004XP00-32B-4-000	127
3244B-0154TP00-32B-2-000	99	3244B-0404XP00-32B-4-000	127	3244B-1253RP00-24H-2-000	81
3244B-0154TP00-32B-4-000	100	3244B-0503RP00-24H-2-000	81	3244B-1253RP00-24H-4-000	82
3244B-0154TP00-32B-4-002	100	3244B-0503RP00-24H-4-000	82	3244B-1253RP00-24H-4-002	82
3244B-0154TP00-32B-4-003	100	3244B-0504TP00-24H-2-000	88	3244B-1254TP00-24H-2-000	88
3244B-0154XP00-24H-2-000	120	3244B-0504TP00-24H-4-000	87	3244B-1254TP00-24H-4-000	87
3244B-0154XP00-24H-4-000	121	3244B-0504TP00-32B-2-000	99	3244B-1254TP00-24H-4-002	87



3244B-1254TP00-32B-2-00099	3244B-6004TP00-24H-4-00087	6
3244B-1254TP00-32B-4-000100	3244B-6004TP00-32B-4-000100	6SL3220-3YC10-0UB0-NEMA1142
3244B-1254TP00-32B-4-002100	3244B-6004XP00-24H-4-000121	6SL3220-3YC10-0UF0-NEMA1140
3244B-1254XP00-24H-2-000120	3244B-6004XP00-32B-4-000127	6SL3220-3YC12-0UB0-NEMA1142
3244B-1254XP00-24H-4-000121	3244B-6503RP00-24H-4-00082	6SL3220-3YC12-0UF0-NEMA1140
3244B-1254XP00-24H-4-002121	3244B-6504TP00-32B-4-000100	6SL3220-3YC14-0UB0-NEMA1142
3244B-1254XP00-32B-2-000126	3244B-6504XP00-24H-4-000121	6SL3220-3YC14-0UF0-NEMA1140
3244B-1254XP00-32B-4-000127	3244B-6504XP00-32B-4-000127	6SL3220-3YC16-0UB0-NEMA1142
3244B-1254XP00-32B-4-002127	3344B-7P53RP00-32B-2-00093	6SL3220-3YC16-0UF0-NEMA1140
3244B-1503RP00-24H-2-00081	3344B-7P53RP00-32B-4-00094	6SL3220-3YC18-0UB0-NEMA1142
3244B-1503RP00-24H-2-00281	3344B-0033RP00-32B-2-00093	6SL3220-3YC18-0UF0-NEMA1140
3244B-1503RP00-24H-4-00082	3344B-0053RP00-32B-2-00093	6SL3220-3YC20-0UB0-NEMA1142
3244B-1503RP00-24H-4-00282	3344B-0103RP00-32B-2-00093	6SL3220-3YC20-0UF0-NEMA1140
3244B-1504TP00-24H-2-00088	3344B-0103RP00-32B-2-00293	6SL3220-3YC22-0UB0-NEMA1142
3244B-1504TP00-24H-2-00288	3344B-0103RP00-32B-2-00393	6SL3220-3YC22-0UF0-NEMA1140
3244B-1504TP00-24H-4-00087	3344B-0103RP00-32B-4-00094	6SL3220-3YC24-0UB0-NEMA1142
3244B-1504TP00-24H-4-00287	3344B-0153RP00-32B-2-00093	6SL3220-3YC24-0UF0-NEMA1140
3244B-1504TP00-32B-2-00099	3344B-0153RP00-32B-4-00094	6SL3220-3YC26-0UB0-NEMA1142
3244B-1504TP00-32B-2-00299	3344B-0153RP00-32B-4-00294	6SL3220-3YC26-0UF0-NEMA1140
3244B-1504TP00-32B-4-000100	3344B-0153RP00-32B-4-00394	6SL3220-3YC28-0UB0-NEMA1142
3244B-1504TP00-32B-4-002100	3344B-0203RP00-32B-2-00093	6SL3220-3YC28-0UF0-NEMA1140
3244B-1504XP00-24H-2-000120	3344B-0253RP00-32B-2-00093	6SL3220-3YC30-0UB0-NEMA1142
3244B-1504XP00-24H-2-002120	3344B-0253RP00-32B-2-00293	6SL3220-3YC30-0UF0-NEMA1140
3244B-1504XP00-24H-4-000121	3344B-0253RP00-32B-4-00094	6SL3220-3YC32-0UB0-NEMA1142
3244B-1504XP00-24H-4-002121	3344B-0303RP00-32B-2-00093	6SL3220-3YC32-0UF0-NEMA1140
3244B-1504XP00-32B-2-000126	3344B-0303RP00-32B-4-00094	6SL3220-3YC34-0UB0-NEMA1142
3244B-1504XP00-32B-2-002126	3344B-0403RP00-32B-2-00093	6SL3220-3YC34-0UF0-NEMA1140
3244B-1504XP00-32B-4-000127	3344B-0403RP00-32B-2-00293	6SL3220-3YC36-0UB0-NEMA1142
3244B-1504XP00-32B-4-002127	3344B-0403RP00-32B-4-00094	6SL3220-3YC36-0UF0-NEMA1140
3244B-2503RP00-24H-2-00081	3344B-0503RP00-32B-2-00093	6SL3220-3YC38-0UB0-NEMA1142
3244B-2503RP00-24H-4-00082	3344B-0503RP00-32B-4-00094	6SL3220-3YC38-0UF0-NEMA1140
3244B-2504TP00-24H-2-00088	3344B-0603RP00-32B-2-00093	6SL3220-3YC40-0UB0-NEMA1142
3244B-2504TP00-24H-4-00087	3344B-0603RP00-32B-2-00293	6SL3220-3YC40-0UF0-NEMA1140
3244B-2504TP00-32B-2-00099	3344B-0603RP00-32B-2-00393	6SL3220-3YE10-0UB0-NEMA1143
3244B-2504TP00-32B-4-000100	3344B-0603RP00-32B-4-00094	6SL3220-3YE10-0UF0-NEMA1141
3244B-2504XP00-24H-2-000120	3344B-0753RP00-32B-2-00293	6SL3220-3YE12-0UB0-NEMA1143
3244B-2504XP00-24H-4-000121	3344B-0753RP00-32B-4-00094	6SL3220-3YE12-0UF0-NEMA1141
3244B-2504XP00-32B-2-000126	3344B-0753RP00-32B-4-00294	6SL3220-3YE14-0UB0-NEMA1143
3244B-2504XP00-32B-4-000127	3344B-0753RP00-32B-4-00394	6SL3220-3YE14-0UF0-NEMA1141
3244B-3003RP00-24H-2-00081	3344B-1003RP00-32B-4-00094	6SL3220-3YE16-0UB0-NEMA1143
3244B-3003RP00-24H-4-00082	3344B-1253RP00-32B-2-00093	6SL3220-3YE16-0UF0-NEMA1141
3244B-3003RP00-24H-4-00282	3344B-1253RP00-32B-4-00094	6SL3220-3YE18-0UB0-NEMA1143
3244B-3004TP00-24H-2-00088	3344B-1253RP00-32B-4-00294	6SL3220-3YE18-0UF0-NEMA1141
3244B-3004TP00-24H-4-00087	3344B-1503RP00-32B-2-00093	6SL3220-3YE20-0UB0-NEMA1143
3244B-3004TP00-24H-4-00287	3344B-1503RP00-32B-2-00293	6SL3220-3YE20-0UF0-NEMA1141
3244B-3004TP00-32B-2-00099	3344B-1503RP00-32B-4-00094	6SL3220-3YE22-0UB0-NEMA1143
3244B-3004TP00-32B-4-000100	3344B-1503RP00-32B-4-00294	6SL3220-3YE22-0UF0-NEMA1141
3244B-3004TP00-32B-4-002100	3344B-2503RP00-32B-2-00093	6SL3220-3YE24-0UB0-NEMA1143
3244B-3004XP00-24H-2-000120	3344B-2503RP00-32B-4-00094	6SL3220-3YE24-0UF0-NEMA1141
3244B-3004XP00-24H-4-000121	3344B-3003RP00-32B-2-00093	6SL3220-3YE26-0UB0-NEMA1143
3244B-3004XP00-24H-4-002121	3344B-3003RP00-32B-4-00094	6SL3220-3YE26-0UF0-NEMA1141
3244B-3004XP00-32B-2-000126	3344B-3003RP00-32B-4-00294	6SL3220-3YE28-0UB0-NEMA1143
3244B-3004XP00-32B-4-000127	3344B-6003RP00-32B-4-00094	6SL3220-3YE28-0UF0-NEMA1141
3244B-3004XP00-32B-4-002127	3344B-6503RP00-32B-4-00094	6SL3220-3YE30-0UB0-NEMA1143
3244B-5504TP00-24H-4-00087		6SL3220-3YE30-0UF0-NEMA1141
3244B-6003RP00-24H-4-00082		

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



6SL3220-3YE32-0UB0-NEMA1 143
 6SL3220-3YE32-0UF0-NEMA1 141
 6SL3220-3YE34-0UB0-NEMA1 143
 6SL3220-3YE34-0UF0-NEMA1 141
 6SL3220-3YE36-0UB0-NEMA1 143
 6SL3220-3YE36-0UF0-NEMA1 141
 6SL3220-3YE38-0UB0-NEMA1 143
 6SL3220-3YE38-0UF0-NEMA1 141
 6SL3220-3YE40-0UB0-NEMA1 143
 6SL3220-3YE40-0UF0-NEMA1 141
 6SL3220-3YE42-0UB0-NEMA1 143
 6SL3220-3YE42-0UF0-NEMA1 141
 6SL3220-3YE44-0UB0-NEMA1 143
 6SL3220-3YE44-0UF0-NEMA1 141
 6SL3220-3YE46-0UB0-NEMA1 143
 6SL3220-3YE46-0UF0-NEMA1 141
 6SL3220-3YE48-0UB0-NEMA1 143
 6SL3220-3YE48-0UF0-NEMA1 141
 6SL3220-3YE50-0CB0-NEMA1 143
 6SL3220-3YE50-0CF0-NEMA1 141
 6SL3220-3YE52-0CB0-NEMA1 143
 6SL3220-3YE52-0CF0-NEMA1 141
 6SL3220-3YE54-0CB0-NEMA1 143
 6SL3220-3YE54-0CF0-NEMA1 141

A

ATL-IRR-230-N1-BRKR-24S 17
 ATL-IRR-230-N1-BRKR-STD 15, 19
 ATL-IRR-230-N1-FUSD-24S 18
 ATL-IRR-230-N1-FUSD-STD 16, 20
 ATL-IRR-230-N2-BRKR-24S 17
 ATL-IRR-230-N2-BRKR-STD 15, 19
 ATL-IRR-230-N2-FUSD-24S 18
 ATL-IRR-230-N2-FUSD-STD 16, 20
 ATL-IRR-230-N3-BRKR-24S 17
 ATL-IRR-230-N3-BRKR-STD 15, 19
 ATL-IRR-230-N3-FUSD-24S 18
 ATL-IRR-230-N3-FUSD-STD 16, 20
 ATL-IRR-230-N4-BRKR-24S 17
 ATL-IRR-230-N4-BRKR-STD 15, 19
 ATL-IRR-230-N4-FUSD-24S 18
 ATL-IRR-230-N4-FUSD-STD 16, 20
 ATL-IRR-460-N1-BRKR-24S 17
 ATL-IRR-460-N1-BRKR-STD 15, 19
 ATL-IRR-460-N1-FUSD-24S 18
 ATL-IRR-460-N1-FUSD-STD 16, 20
 ATL-IRR-460-N2-BRKR-24S 17
 ATL-IRR-460-N2-BRKR-STD 15, 19
 ATL-IRR-460-N2-FUSD-24S 18
 ATL-IRR-460-N2-FUSD-STD 16, 20
 ATL-IRR-460-N3-BRKR-24S 17
 ATL-IRR-460-N3-BRKR-STD 15, 19
 ATL-IRR-460-N3-FUSD-24S 18
 ATL-IRR-460-N3-FUSD-STD 16, 20
 ATL-IRR-460-N4-BRKR-24S 17

ATL-IRR-460-N4-BRKR-STD 15, 19
 ATL-IRR-460-N4-FUSD-24S 18
 ATL-IRR-460-N4-FUSD-STD 16, 20
 ATL-IRR-460-N5-BRKR-24S 17
 ATL-IRR-460-N5-BRKR-STD 15, 19
 ATL-IRR-460-N5-FUSD-24S 18
 ATL-IRR-460-N5-FUSD-STD 16, 20

L

LSLV0004S100-2EONNS 135, 136
 LSLV0004S100-2EXNNS 137
 LSLV0004S100-4EONNS 135, 136
 LSLV0004S100-4EXNNS 137
 LSLV0008S100-2EONNS 135, 136
 LSLV0008S100-2EXNNS 137
 LSLV0008S100-4EONNS 135, 136
 LSLV0008S100-4EXNNS 137
 LSLV0015S100-2EONNS 135, 136
 LSLV0015S100-2EXNNS 137
 LSLV0015S100-4EONNS 135, 136
 LSLV0015S100-4EXNNS 137
 LSLV0022S100-2EONNS 135, 136
 LSLV0022S100-2EXNNS 137
 LSLV0022S100-4EONNS 135, 136
 LSLV0022S100-4EXNNS 137
 LSLV0037S100-2EXNNS 137
 LSLV0037S100-4EXNNS 137
 LSLV0040S100-2EONNS 135, 136
 LSLV0040S100-4EONNS 135
 LSLV0055S100-2EONNS 135, 136
 LSLV0055S100-2EXNNS 137
 LSLV0055S100-4EONNS 135, 136
 LSLV0055S100-4EXNNS 137
 LSLV0075S100-2EONNS 135, 136
 LSLV0075S100-2EXNNS 137
 LSLV0075S100-4EONNS 135, 136
 LSLV0075S100-4EXNNS 137
 LSLV0110S100-2EONNS 135, 136
 LSLV0110S100-2EXNNS 137
 LSLV0110S100-4EONNS 135, 136
 LSLV0110S100-4EXNNS 137
 LSLV0150S100-2EONNS 135, 136
 LSLV0150S100-2EXNNS 137
 LSLV0150S100-4EONNS 135, 136
 LSLV0150S100-4EXNNS 137
 LSLV0185S100-4EONNS 135, 136
 LSLV0185S100-4EXNNS 137
 LSLV0220S100-4EONNS 135, 136
 LSLV0220S100-4EXNNS 137
 LSLV0300S100-4CONDS 135, 136
 LSLV0370S100-4CONDS 135, 136
 LSLV0450S100-4CONDS 135, 136
 LSLV0550S100-4CONDS 135, 136
 LSLV0750S100-4CONDS 136

S

SFTYLP-30A-HF361R 13
 SFTYLP-60A-HF362R 13
 SFTYLP-100A-HF363R 13
 SFTYLP-200A-HF364R 13
 SFTYLP-400A-HF365RA 13
 SFTYLP-600A-HF366RA 13
 SFTYLP-800A-HF367R 13
 SFTYLP-1200A-HF368R 13
 SFTYSW-30A-TH3361R 12
 SFTYSW-30A-TH3361RF2 12
 SFTYSW-60A-TH3362R 12, 13
 SFTYSW-60A-TH3362RF 12, 13
 SFTYSW-100A-TH3363R 12, 13
 SFTYSW-200A-TH3364R 12, 13
 SFTYSW-400A-TH3365R 12, 13
 SFTYSW-600A-TH3366R 12
 SFTYSW-800A-TC72367R 12
 SFTYSW-1200A-TC72368R 12
 SFTYSWNF-30A-THN3361R 11
 SFTYSWNF-30A-THN3361RF 11
 SFTYSWNF-60A-THN3362R 11
 SFTYSWNF-60A-THN3362RF 11
 SFTYSWNF-100A-THN3363R 11
 SFTYSWNF-200A-THN3364R 11
 SFTYSWNF-400A-THN3365R 11
 SFTYSWNF-600A-THN3366R 11
 SFTYSW-NK-TNI62 11, 12, 13
 SFTYSW-NK-TNI65 11, 12, 13
 SFTYSW-NK-TNI66 11, 12
 SFTYSW-NK-TNI67 12
 SFTYSW-NK-TNI68A 12
 SFTYSW-NK-TNIA62 11, 12, 13
 SFTYSW-NK-TNIA63 11, 12, 13
 SFTYSW-NK-TNIA64 11, 12, 13
 SS-ADXL0018600 30
 SS-ADXL0030600 30
 SS-ADXL0045600 30
 SS-ADXL0060600 30
 SS-ADXL0075600 30
 SS-ADXL0085600 30
 SS-ADXL0115600 30
 SS-ADXL0135600UL 30
 SS-ADXL0162600UL 30
 SS-ADXL0195600UL 30
 SS-ADXL0250600UL 30
 SS-ADXL0320600UL 30
 SS-ADXL-CX01 30
 SS-ADXL-CX02 30
 SS-ADXL-EXA01 30
 SS-ADXL-EXA02 30
 SS-ADXL-EXA03 30
 SS-ADXL-EXA04 30
 SS-ADXL-EXC1042 30
 SS-ADXL-EXCCON01 30



SS-ADXL-EXCM3G0130
 SS-ADXL-EXCRDU130
 SS-ADXL-EXP800330
 SS-ADXL-EXP800430
 SV0008IS7-2NOFD138, 139
 SV0008IS7-4NOFD138, 139
 SV0015IS7-2NOFD138, 139
 SV0015IS7-4NOFD138, 139
 SV0022IS7-2NOFD138, 139
 SV0022IS7-4NOFD138, 139
 SV0037IS7-2NOFD138, 139
 SV0037IS7-4NOFD138, 139
 SV0055IS7-2NOFD138, 139
 SV0055IS7-4NOFD138, 139
 SV0075IS7-2NOFD138, 139
 SV0075IS7-4NOFD138, 139
 SV0110IS7-2NOFD138, 139
 SV0110IS7-4NOFD138, 139
 SV0150IS7-2NOFD138, 139
 SV0150IS7-4NOFD138, 139
 SV0185IS7-2NOFD138, 139
 SV0185IS7-4NOFD138, 139
 SV0220IS7-2NOFD138, 139
 SV0220IS7-4NOFD138, 139
 SV0300IS7-4NOD138, 139
 SV0370IS7-4NOD138, 139
 SV0450IS7-4NOD138, 139
 SV0550IS7-4NOD138, 139
 SV0750IS7-4NOD138, 139
 SV0900IS7-4SOD138, 139
 SV1100IS7-4SOD138, 139
 SV1320IS7-4SOD138, 139
 SV1600IS7-4SOD138, 139
 SV1850IS7-4SOD138, 139
 SV2200IS7-4SOD138, 139
 SV2800IS7-4SO138, 139
 SV3150IS7-4SO138, 139
 SV3750IS7-4SO138, 139

V

VFD-LSLV0004G100-2EONN134
 VFD-LSLV0004G100-4EOFN134
 VFD-LSLV0008G100-2EONN134
 VFD-LSLV0008G100-4EOFN134
 VFD-LSLV0015G100-2EONN134
 VFD-LSLV0015G100-4EOFN134
 VFD-LSLV0022G100-2EONN134
 VFD-LSLV0022G100-4EOFN134
 VFD-LSLV0040G100-2EONN134
 VFD-LSLV0040G100-4EOFN134
 VFD-LSLV0055G100-2EONN134
 VFD-LSLV0055G100-4EOFN134
 VFD-LSLV0075G100-2EONN134
 VFD-LSLV0075G100-4EOFN134

Footer No.	Note
1	HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
2	Price includes an IP20 Chassis and a NEMA 1 Conduit Kit.
3	LED Keypad (7-Segment)
4	LCD Keypad
5	For Drive configuration utilizing sensorless vector control, please contact us at 800-884-0404 for assistance
6	For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

SAFETY SWITCHES/
DISCONNECT

ACROSS THE LINE
STARTERS

PART WIND
STARTERS

SOFT
STARTERS

VARIABLE FREQUENCY
DRIVES

APPENDIX



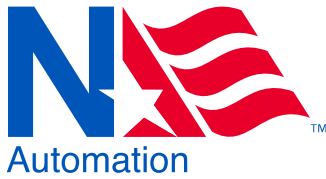
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At NAE University we provide you with in-depth, hands on training that is designed for the beginner to the expert. The class will consist of a general overview and lab exercises of motor controls and their applications.

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- Que and Buffering
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North American Electric, LLC

P.O. Box 130
350 Vaiden Drive
Hernando, MS 38632

Main Office

Toll Free: (800) 884-0404
FAX: (662) 429-8546
Main: (662) 429-8049

Customer Service & Sales

Toll Free: (800) 884-0404
Main: (662) 429-8049
Fax: (662) 429-8546

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