

MULTI SPLIT



MULTI SPLIT

R32 LINE-UP



INDOOR UNIT

○ Single Only ○● Compatible ● Multi Only

kBTu/h		05	07	09	12	15	18	24
kW		1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	ARTCOOL		● AM07BP	○● AM09BP	○● AM12BP		○● AM18BP	● AM24BP
	Deluxe		● DM07RP	○● DC09RQ	○● DC12RQ		○● DC18RQ	● DM24RP
	Standard Plus		● PM05SP	● PM07SP	○● PC09SQ	○● PC12SQ	● PM15SP	○● PC18SQ
		● MJ05PC	● MJ07PC	● MJ09PC	● MJ12PC	● MJ15PC	● MJ18PC	● MJ24PC
Ceiling Mounted Cassette	4 Way Cassette	● MT06R	● MT08R	● CT09R	● CT12R		● CT18R	● CT24R
	Mid / High Static Pressure						● CM18R	● CM24R
Ceiling Concealed Duct	Low Static Pressure			● CL09R	● CL12R		● CL18R	● CL24R

OUTDOOR UNIT

kBTu/h		14	16	18	21	24	27	30
kW		4.1	4.7	5.3	6.2	7.0	7.9	8.8
Multi	Multi Piping	● MU2R15 2-port	● MU2R15 2-port	● MU3R17 3-port	● MU3R21 3-port	● MU4R25 4-port	● MU4R27 4-port	● MU5R30 5-port

MULTI SPLIT

R410A LINE-UP

INDOOR UNIT

kBTu/h		5	7	9	12	15	18	24
kW		1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	ARTCOOL Gallery			● MA09AH1	● MA12AH1			
	ARTCOOL		● AM07BP	● AM09BP	● AM12BP		● AM18BP	● AM24BP
	Deluxe		● DM07RP	● DM09RP	● DM12RP		● DM18RP	● DM24RP
Ceiling Mounted Cassette	Standard Plus	● PM05SP	● PM07SP	● PM09SP	● PM12SP	● PM15SP	● PM18SP	● PM24SP
	1 Way Cassette			● MT09AH	● MT12AH			
Ceiling Concealed Duct	4 Way Cassette	● MT06AH	● MT08AH	● CT09	● CT12		● CT18	● CT24
	Mid / High Static Pressure						● CM18	● CM24
Ceiling & Floor Convertible	Low Static Pressure			● CB09L	● CB12L		● CB18L	● CB24L
				● CV09	● CV12			
Console			● CQ09	● CQ12			● CQ18	

OUTDOOR UNIT

kBTu/h		14	16	18	21	24	27	30	40	46	48	57
kW		4.1	4.7	5.3	6.2	7.0	7.9	8.8	11.7	13.5	14.1	16.7
Multi	Multi Piping	● MU2M15 2-port	● MU2M15 2-port	● MU3M17 3-port	● MU3M21 3-port	● MU4M25 4-port	● MU4M27 4-port	● MU5M30 5-port	● MU5M40 5-port			
	Distribution Box								● FM40AH 7-IDU	● FM41AH 7-IDU	● FM48AH 8-IDU	● FM56AH 9-IDU

FEATURE OVERVIEW

Category		R32 MULTI PIPING						
kBTu/h		14	16	18	21	24	27	30
kW		4.1	4.7	5.3	6.2	7.0	7.9	8.8
Energy Efficiency	BLDC Comp. & Fan Motor	•	•	•	•	•	•	•
	Eurovent Certification	•	•	•	•	•	•	•
	Wide Louver Plus Fin	•	•	•	•	•	•	•
	Optimised Heat Exchanger Path	•	•	•	•	•	•	•
	Smart Load Control			•	•	•	•	•
	Peak Current Control	•	•	•	•	•	•	•
	Standby Mode	•	•	•	•	•	•	•
	Mode Lock	•	•	•	•	•	•	•
Durability	Twin Rotary Compressor	•	•	•	•	•	•	•
	Smart Sensor Pressure Control			•	•	•	•	•
	Ocean Black Fin Heat Exchanger	•	•	•	•	•	•	•
Comfort & Convenience	Fast Cooling & Heating			•	•	•	•	•
	Night Silent Operation	•	•	•	•	•	•	•
	Wiring Error Check	•	•	•	•	•	•	•
	Monitoring PCB	•	•	•	•			
	LG MV	•	•	•	•	•	•	•
	Forced Cooling Operation	•	•	•	•	•	•	•

R410A MULTI PIPING								R410A DB BOX TYPE			
14	16	18	21	24	27	30	40	40	46	48	57
4.1	4.7	5.3	6.2	7.0	7.9	8.8	11.7	11.7	13.5	14.1	16.7
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•				
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•

KEY FEATURES

PERFECT SOLUTION FOR MULTIPLE ROOMS



Energy Efficiency | Extreme Durability | Comfort and Convenience

LG Multi split system provides powerful, efficient cooling and heating with two, three, four, or up to nine indoor units operating off a single outdoor unit. LG's advanced inverter technology brings powerful performance while consuming less energy and it uses less space than installing individual single split systems. A variety of sleek and elegant indoor units to complement any décor are available in a full range of capacities for all room sizes. Installation is easy and it offers various convenient functions for easy maintenance.



ENERGY EFFICIENCY

ENERGY EFFICIENCY

The advanced technologies of LG achieve the lowest energy consumption, especially SEER value regarding ErP regulation.

World Class High Efficiency
SEER **8.5**

SEER / SCOP class (ErP regulation)		4.1	4.7	5.3	6.2	7.0	7.9	8.8
SEER	kW	4.1	4.7	5.3	6.2	7.0	7.9	8.8
	SEER	8.5	7.8	8.5	8.5	8.2	8.0	8.2
SCOP	SEER	A+++	A++	A+++	A+++	A++	A++	A++
	SCOP	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	SCOP	A+	A+	A+	A+	A+	A+	A+

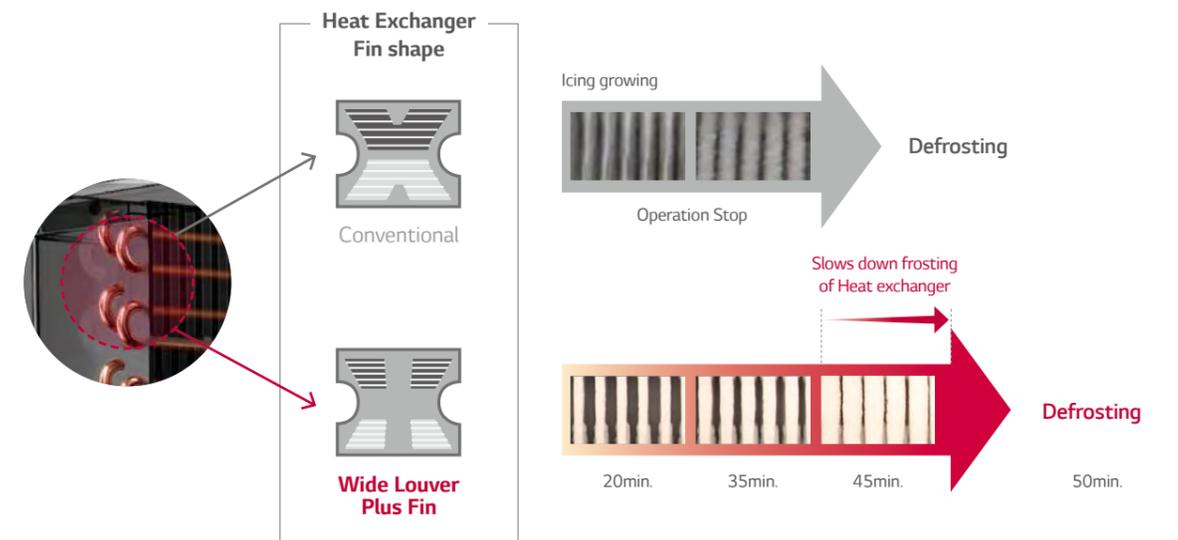
- BLDC Inverter Twin Rotary Compressor
- Enhanced Heat Exchanger
- Smart Load Control
- Peak current control

Enhanced Heat exchange by Wide Louver Plus Fin

Wide Louver Plus fin technology increases 11% of full load heating performance and 6% of COP compared to conventional fin. It can slow down frosting of heat exchanger and postpone the start of defrosting operation.

• Heating Operation at Defrost Condition

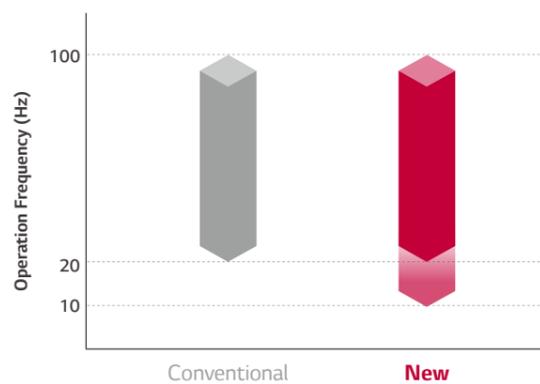
It can slow down frosting of heat exchanger and postpone the start of defrosting operation



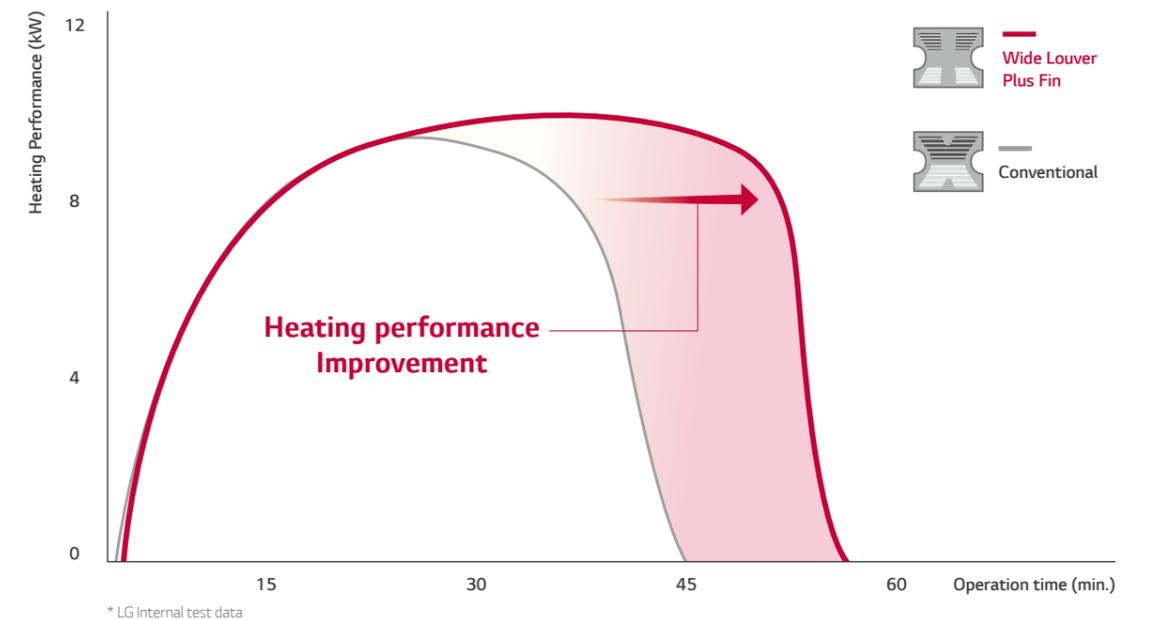
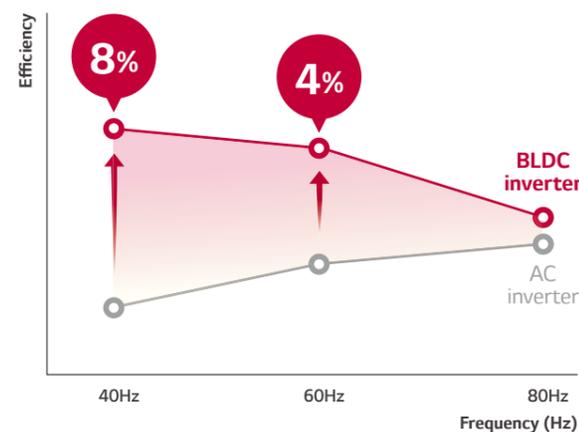
Powerful BLDC (Brushless Direct Current Motor) Compressor

LG air conditioners are equipped with a BLDC Inverter Twin Rotary Compressor that uses a neodymium magnetic core. The compressor has high efficiency and superior reliability, because it is excellent in controlling the operating speed depending on the load. The compressor has improved efficiency compared to standard AC inverter products and optimized for changes of outdoor load. Especially it is optimized for seasonal efficiency.

• Operation Range



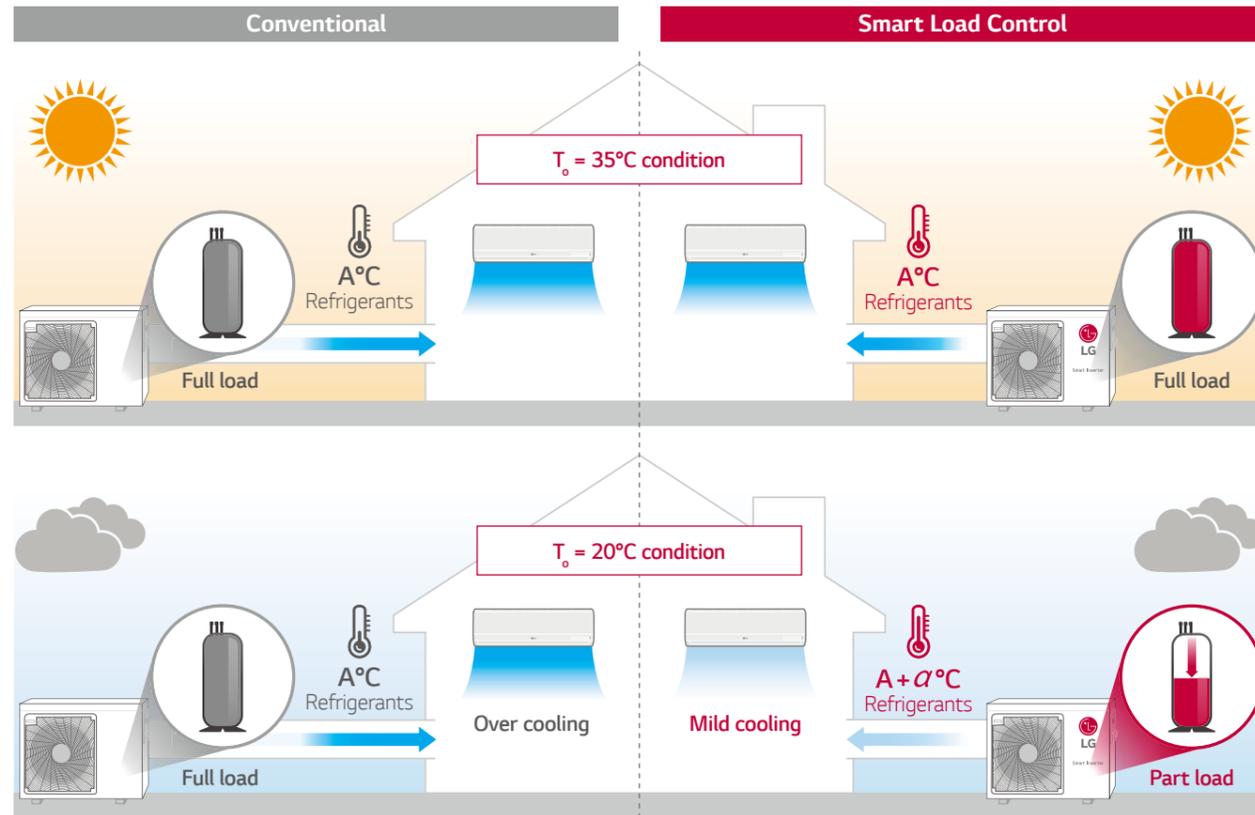
• Motor Efficiency



ENERGY EFFICIENCY

Smart Load Control

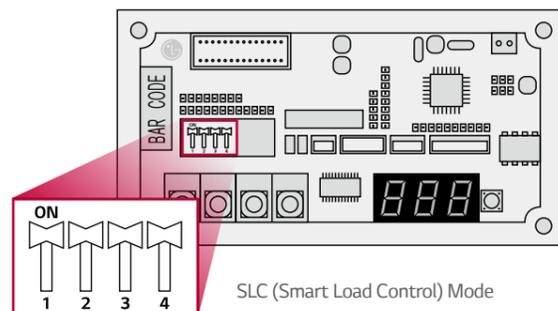
To save operation energy, it automatically controls the refrigerant temperature according to outside temperature.



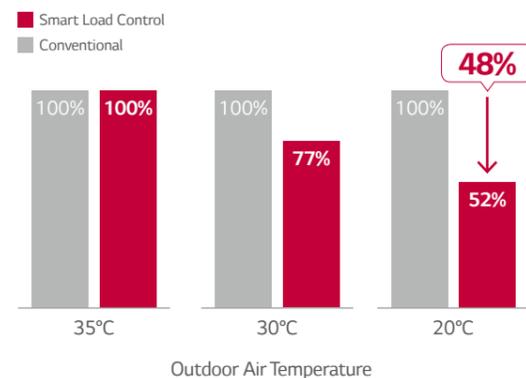
* T_o : Outdoor temperature
* A is the indoor unit coil temperature

How to set dip switch

To operate smart load control, dip switch setting is needed. It can save energy on real time operation.



Real Time Energy Saving



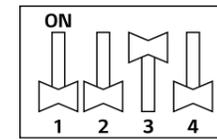
* Applied models : MU3R19 UE0 / MU3R21 UE0 / MU4R25 U40 / MU4R27 U40 / MU5R30 U40 / MU3M19 UE4 / MU3M21 UE4 / MU4M25 U44 / MU5M30 U44 / MU5M40 U02

Peak Current Control

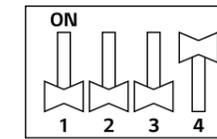
The peak current control function keeps the air conditioner from running at the maximum level while maintaining current system setting, in order to reduce energy consumption. This function can help to cut energy costs during the peak periods of energy use when the energy fee is much higher.

How to set dip switch

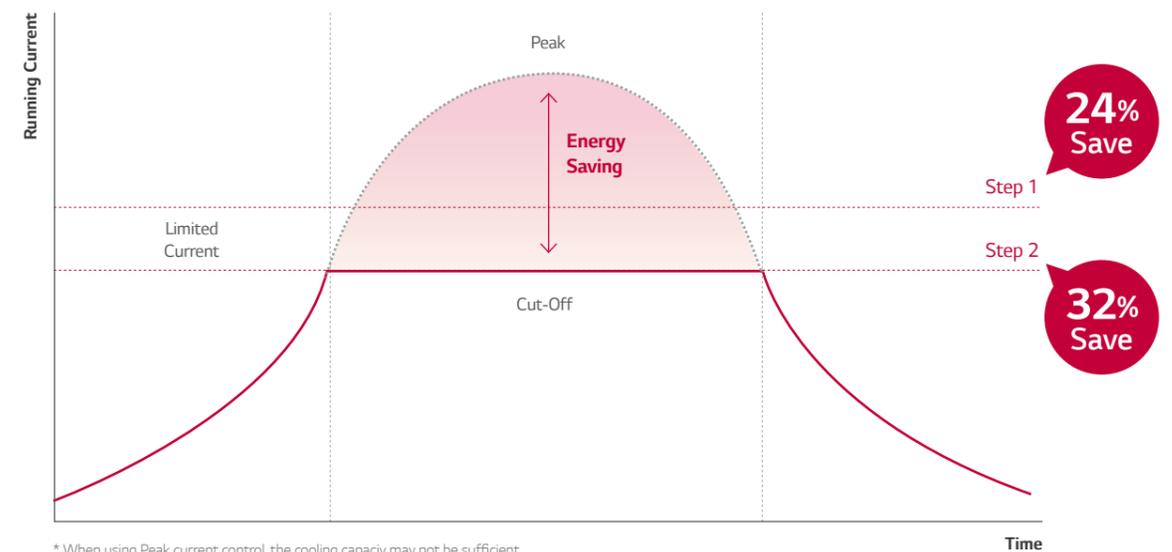
STEP 1 Max power consumption : 1.9 kW



STEP 2 Max power consumption : 1.7 kW



* Full Load consumption : 2.5kW
* 7.0kW model
* LG Internal test result



* When using Peak current control, the cooling capacity may not be sufficient.
* 7.0kW model
* LG Internal test result

EXTREME DURABILITY

EXTREME DURABILITY

Product safety is emphasized by offering a 10-year warranty on the compressor to reassure customers about product durability.



INVERTER COMPRESSOR

10

YEAR WARRANTY

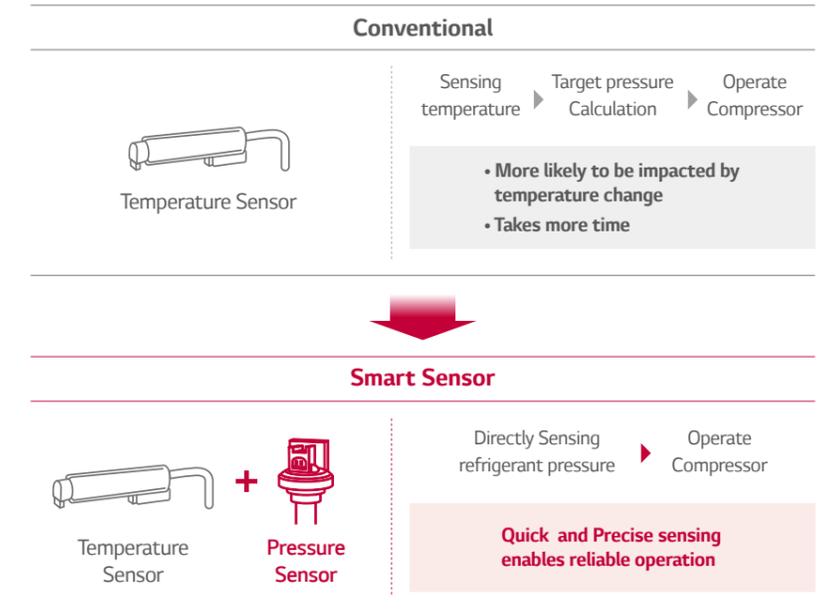
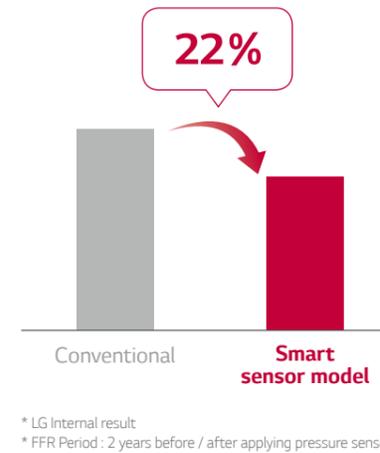
Product Safety & Durability Reassured

- Improved BLDC Inverter Twin Rotary compressor
- Smart Sensor
- Black Fin Heat Exchanger

Pressure Control Technology by Smart Sensor

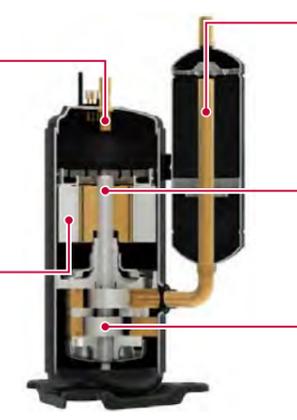
Quicker and more reliable operation is possible from pressure control technology.

• Field Failure Rate of Outdoor unit



Improved BLDC Inverter Twin Rotary Compressor

Parts of BLDC Inverter Twin Rotary Compressor have been improved to allow for a longer life span.



Flow Optimization
Reduced oil inflow by increasing the length of oil discharge pipe, which remains enough oil inside the compressor to prevent compressor abrasion.

Suction Optimization
Reduced suction loss and improving oil collection through the optimization of suction path.

Surface Coating
Shaft coating and polishing has been improved.

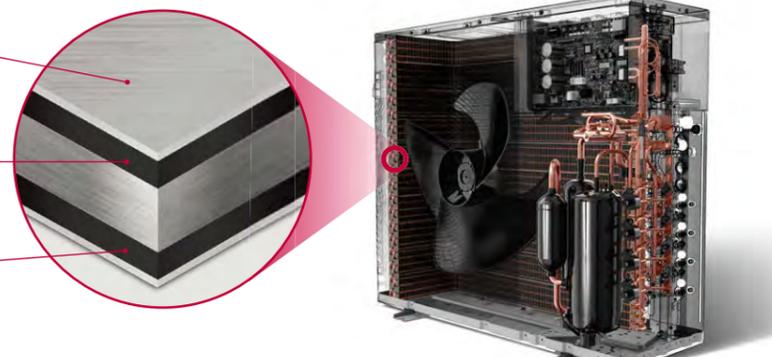
Concentrated Winding Motor
Oil path area is improved by over 50% by increasing the extra stator cavity. Due to this, caloric value of motor is reduced, improving the cooling function of stator coil.

Twin Rotary Rotor
- Upper and lower part rotor offset imbalance in shaft rotor rotation. Max Torque has been decreased by 45% compared to single rotor.
- Vibration and noise is also reduced.

Twin Rotary Inverter Compressor

Black Fin Heat Exchanger

The black coating with enhanced epoxy resin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution including fumes from factories. Moreover, the hydrophilic film keeps water from accumulating on the heat exchanger's fin, minimizing moisture buildup and eventually making it even more corrosion resistant.

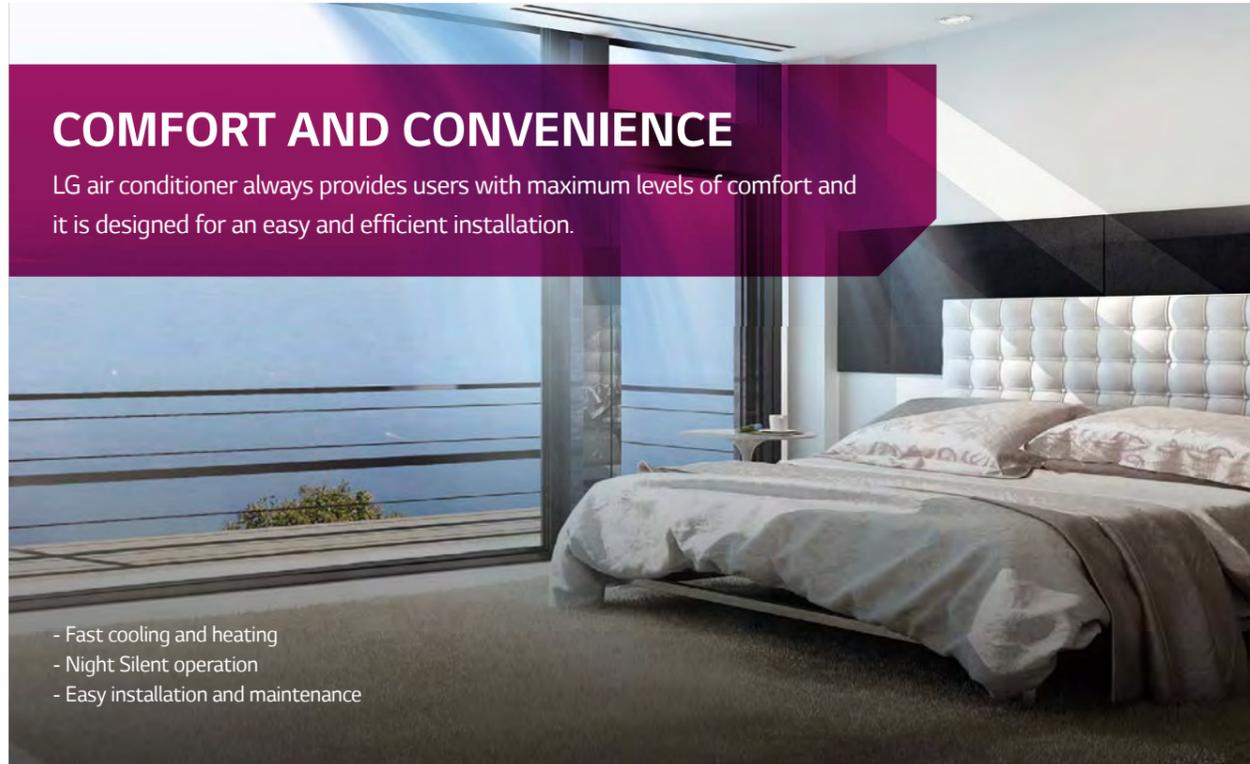


Hydrophilic film (Water flow)
The Hydrophilic coating minimizes moisture buildup on the fin.

Epoxy resin (Corrosion resistant)
The Black coating provides strong protection from corrosion.

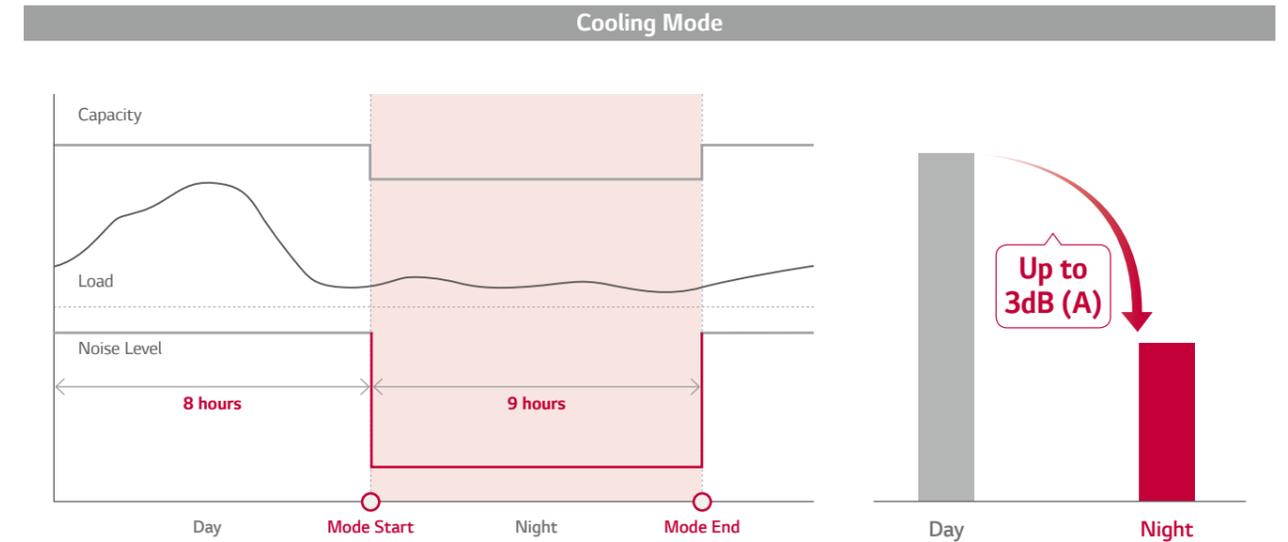
Aluminum fin

COMFORT AND CONVENIENCE



Night Silent Operation

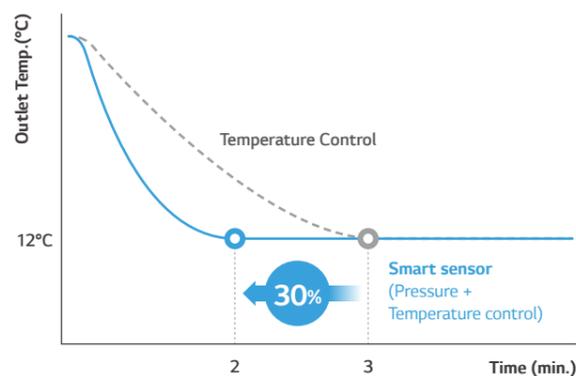
Night silent operation can reduce noise levels at night time by simply setting the dip switch on the PCB of the outdoor unit.



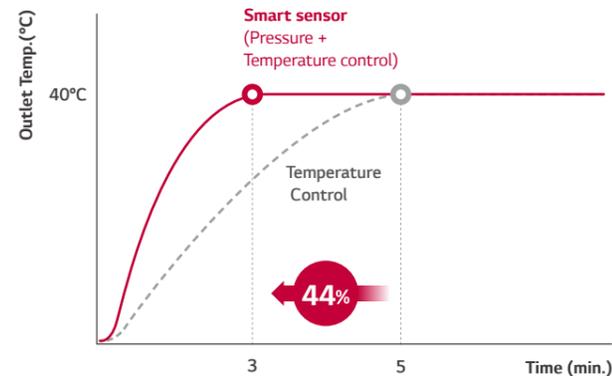
Fast Cooling & Heating

Pressure control takes less time to reach the desired temperature up to 30% in cooling and 44% in heating with high level of accuracy and stability.

• Cooling



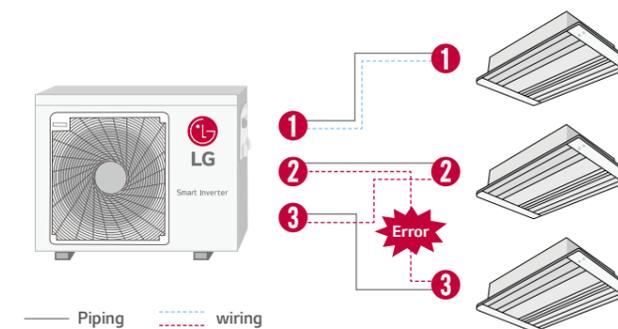
• Heating



* LGInternal test result

Wiring Error Check

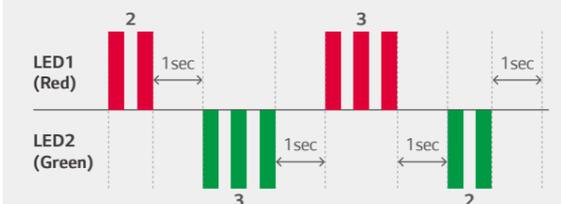
Installers can check whether the transmission cable has been connected correctly by using the wiring error check function. The wiring error check function can reduce the time taken to check for transmission cable errors.



• LED Result

- If the wiring is correct, the Green LED will light up.
- If the wiring is wrong, display as below
 - Red LED : Piping Number
 - Green LED : Wiring Number (Room)

Ex) If the Red LED blinks twice and the Green LED blinks 3 times, 2nd pipe is connected to 3rd room



COMFORT AND CONVENIENCE

Monitoring PCB

If there is any problem, without disassembly of chassis, engineers can quickly check air conditioner's error code through 7-segment error indicator

Conventional

Many tools are needed for checking cycle data.

Monitoring PCB

Easy & Quick cycle data Check by Monitoring PCB

• UL4, UE4 chassis

STEP 1
Opening the control cover

3 SCREW

STEP 2
Simply Checking the data on PCB

7-segment error indicator

STEP 3
Displayed Error code sample

0.5 sec off ↑ ↓ 0.5 sec off

• Displayed Error code

Error Code	Contents	Case of Error	Outdoor Status
21	DC Link Peak (IPM Fault)	Over Rated Current	Off
22	CT 2 (Max CT)	Input Over Current	Off
23	DC Link Low Volt.	DC Link Volt is below 140V dc	Off
	DC Link High Volt.	DC Link Volt is above 420V dc	
25	Low Voltage / Over Voltage	Abnomal AC volt Input	Off
26	DC Compressor Position Error	Compressor Starting Fall Error	Off
27	PSC / PFC Fault Error	Over inverter PCB input Current	Off
29	COMP Over Current	Over inverter Compressor Current	Off

* Applied models : MU2R15 UL0 / MU2R17 UL0 / MU3R19 UE0 / MU3R21 UE0 / MU2M15 UL4 / MU2M17 UL4 / MU3M19 UE4 / MU3M21 UE4

LG MV (Monitoring View)

LG MV helps engineers to inspect and monitor air conditioning units easily.

Mobile MV

PC based LGMV
(for service)

LGMV module
(for service)

Operation information

Cycle View

- IDU & ODU Information
- Cycle & Valves
- Sensors & Electricity
- Cycle Diagram
- Actuavtor Informationv

Forced Cooling Operation

The forced cooling operation allows refrigerant to be recharged or pumped down, regardless of the indoor temperature. More importantly this function can be used when indoor units are being moved or repaired.

Recharging

Pump Down

1 Close liquid valve
2 Close gas valve

R32 MULTI SPLIT

R32 MULTI SPLIT

OUTDOOR UNITS

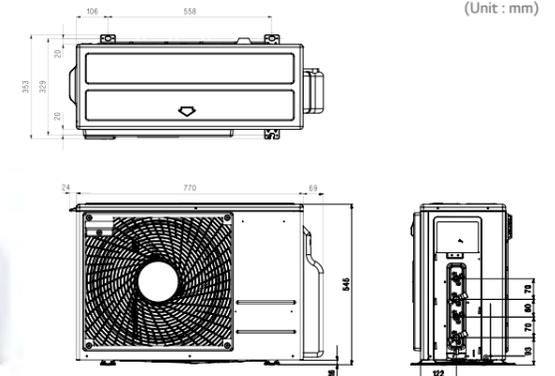


RESIDENTIAL

MU2R15
MU2R17



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com



(Unit : mm)

OUTDOOR UNIT				MU2R15 ULO	MU2R17 ULO
Compressor	Type			Twin Rotary	Twin Rotary
Capacity *	Cooling	Min / Nom / Max	kW	0.9 / 4.1 / 4.7	0.9 / 4.7 / 5.4
	Heating	Min / Nom / Max	kW	1.0 / 4.7 / 5.4	1.0 / 5.3 / 5.7
Low Temperature Capacity	Heating -7°C	Max	kW	3.3	3.7
Power Input *	Cooling	Min / Nom / Max	kW	0.2 / 1.0 / 1.4	0.2 / 1.3 / 1.7
	Heating	Min / Nom / Max	kW	0.2 / 1.1 / 1.4	0.2 / 1.3 / 1.6
Running Current	Cooling	Min / Nom / Max	A	1.1 / 4.6 / 6.4	1.1 / 5.6 / 7.9
	Heating	Min / Nom / Max	A	1.1 / 4.9 / 6.6	1.1 / 5.5 / 7.6
EER				4.14	3.75
COP				4.38	4.22
SEER				8.50	7.80
SCOP				4.20	4.20
Pdesign (@-10°C)			kW	4.10	4.10
Seasonal Energy Label	Cooling / Heating			A+++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			169 / 1,367	210 / 1,367
Airflow Rate	Nom		m ³ /min	28.2	28.2
Sound Pressure	Cooling	Nom	dBA	48	48
	Heating	Nom	dBA	51	51
Sound Power	Cooling	Max	dBA	61	63
Dimensions	W x H x D		mm	770 x 545 x 288	770 x 545 x 288
Net Weight			Kg	36	36
Refrigerant	Type			R32	R32
	Charge		Kg	1.1	1.1
	Additional Charge		g/m	20	20
	GWP			675	675
	t-CO ₂ eq			0.74	0.74
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15
Piping Length Total			m	30	30
Piping Length per Branch	Max		m	20	20
Piping Elevation Difference	IDU - ODU	Max	m	15	15
	IDU - IDU	Max	m	7.5	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 2	Ø6.35 (1/4) x 2
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 2	Ø9.52 (3/8) x 2

Notes :1. Capacities are based on the following conditions:

Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB

Piping Length: - Interconnecting Piping Length 7.5m

- Level Difference of Zero

2. *: See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected

5. Minimum combination capacity rate should be more than 40%

6. This product contains fluorinated greenhouse gases (R32)

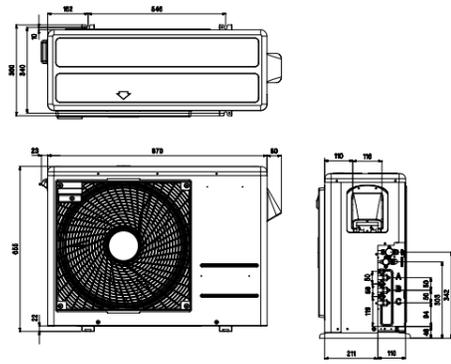
OUTDOOR UNITS



**MU3R19
MU3R21**



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com



(Unit : mm)

OUTDOOR UNIT				MU3R19 UE0	MU3R21 UE0
Compressor	Type			Twin Rotary	Twin Rotary
	Cooling	Min / Nom / Max	kW	1.1 / 5.3 / 6.3	1.1 / 6.2 / 7.3
Capacity *	Heating	Min / Nom / Max	kW	1.2 / 6.3 / 7.3	1.2 / 7.0 / 7.8
	Low Temperature Capacity	Heating -7°C	Max	4.4	4.9
Power Input *	Cooling	Min / Nom / Max	kW	0.2 / 1.2 / 1.8	0.2 / 1.4 / 2.1
	Heating	Min / Nom / Max	kW	0.3 / 1.4 / 2.0	0.3 / 1.6 / 2.3
Running Current	Cooling	Min / Nom / Max	A	1.1 / 5.3 / 8.1	1.1 / 6.7 / 9.6
	Heating	Min / Nom / Max	A	1.1 / 6.3 / 9.4	1.1 / 7.4 / 10.6
EER			4.59	4.27	
COP			4.62	4.42	
SEER			8.50	8.50	
SCOP			4.21	4.21	
Pdesign (@-10°C)			4.90	4.90	
Seasonal Energy Label	Cooling / Heating			A+++ / A+	A+++ / A+
Annual Energy Consumption	Cooling / Heating			217 / 1,629	253 / 1,629
Airflow Rate	Nom	m ³ /min		50	50
Sound Pressure	Cooling	Nom	dBA	49	50
	Heating	Nom	dBA	54	54
Sound Power	Cooling	Max	dBA	63	64
Dimensions	W x H x D	mm		870 x 655 x 320	870 x 655 x 320
Net Weight			Kg	44	44
Refrigerant	Type			R32	R32
	Charge	Kg		1.4	1.4
	Additional Charge	g/m		20	20
	GWP			675	675
	t-CO ₂ eq			0.95	0.95
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20
Piping Length Total			m	50	50
Piping Length per Branch	Max	m		25	25
Piping Elevation Difference	IDU - ODU	Max	m	15	15
	IDU - IDU	Max	m	7.5	7.5
Piping Connection	Liquid	mm (inch) x No.		Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 3
	Gas	mm (inch) x No.		Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 3

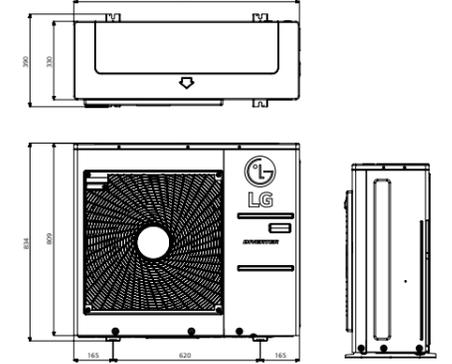
Notes :1. Capacities are based on the following conditions:
Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
Piping Length: - Interconnecting Piping Length 7.5m
- Level Difference of Zero

- *: See page "Combination Table".
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected
- Minimum combination capacity rate should be more than 40%
- This product contains fluorinated greenhouse gases (R32)

**MU4R25
MU4R27
MU5R30**



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com



(Unit : mm)

OUTDOOR UNIT				MU4R25 U40	MU4R27 U40	MU5R30 U40
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
	Cooling	Min / Nom / Max	kW	1.3 / 7.0 / 8.5	1.3 / 7.9 / 9.5	1.3 / 8.8 / 10.6
Capacity *	Heating	Min / Nom / Max	kW	1.5 / 8.4 / 9.4	1.5 / 9.1 / 10.6	1.5 / 10.1 / 12.1
	Low Temperature Capacity	Heating -7°C	Max	5.9	6.4	7.1
Power Input *	Cooling	Min / Nom / Max	kW	0.4 / 1.5 / 2.6	0.4 / 1.8 / 2.9	0.4 / 2.0 / 3.4
	Heating	Min / Nom / Max	kW	0.6 / 1.8 / 2.9	0.6 / 2.1 / 3.4	0.6 / 2.2 / 3.6
Running Current	Cooling	Min / Nom / Max	A	1.9 / 6.6 / 11.9	1.9 / 8.1 / 13.1	1.9 / 9.1 / 15.2
	Heating	Min / Nom / Max	A	2.8 / 8.3 / 13.1	2.8 / 9.4 / 15.3	2.8 / 9.7 / 16.3
EER			4.82	4.39	4.40	
COP			4.61	4.39	4.70	
SEER			8.20	8.00	8.20	
SCOP			4.20	4.20	4.20	
Pdesign (@-10°C)			7.00	7.00	7.20	
Seasonal Energy Label	Cooling / Heating			A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			299 / 2,333	346 / 2,333	376 / 2,467
Airflow Rate	Nom	m ³ /min		60	60	60
Sound Pressure	Cooling	Nom	dBA	49	50	50
	Heating	Nom	dBA	53	54	54
Sound Power	Cooling	Max	dBA	64	65	66
Dimensions	W x H x D	mm		950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
Net Weight			Kg	61	61	61
Refrigerant	Type			R32	R32	R32
	Charge	Kg		2.3	2.3	2.6
	Additional Charge	g/m		20	20	20
	GWP			675	675	675
	t-CO ₂ eq			1.55	1.55	1.76
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	25	25	25
Piping Length Total			m	70	70	75
Piping Length per Branch	Max	m		25	25	25
Piping Elevation Difference	IDU - ODU	Max	m	15	15	15
	IDU - IDU	Max	m	7.5	7.5	7.5
Piping Connection	Liquid	mm(inch) x No.		Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 5
	Gas	mm(inch) x No.		Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 5

Notes :1. Capacities are based on the following conditions:
Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
Piping Length: - Interconnecting Piping Length 7.5m
- Level Difference of Zero

- *: See page "Combination Table".
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected
- Minimum combination capacity rate should be more than 40%
- This product contains fluorinated greenhouse gases (R32)

WALL MOUNTED UNITS



Embedded Wi-Fi

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones. This advanced technology provides you the best convenience.

• LG Smart ThinQ



Search "LG Smart ThinQ" on Google market or Appstore then download the app.



LG Smart ThinQ

• How it Works

Embedded Wi-Fi modem

Check "LG Smart ThinQ" on your air conditioner.

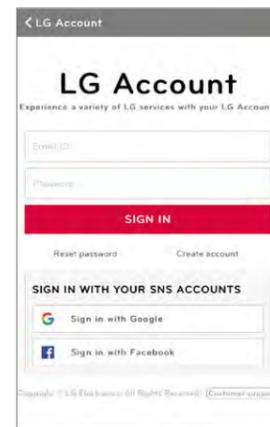


By embedded Wi-Fi modem, get ready for innovation without boundaries.



Easy Registration and Log-in

Follow the easy set-up steps that will activate smart ThinQ's impressive feature.



Wi-Fi Connectivity

Let's every member of your family choose their own preferred air conditioning temperature and fan speed, then save the settings in their app to run later. You can save the setting for each air conditioner as well.

Multiple Devices



Multi-Control



* Can be controlled by multiple users, but not simultaneously

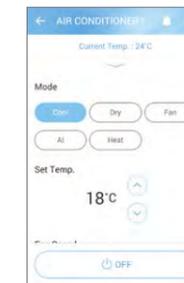
• Benefit

Simple operation for various functions

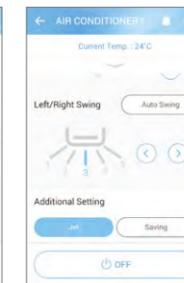
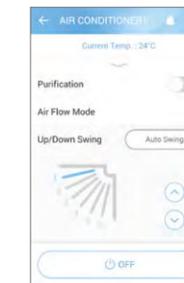
On/Off, Current Temp



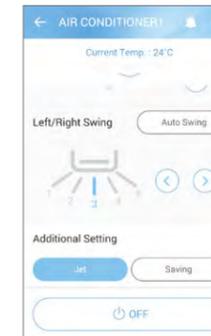
Mode, Set Temp



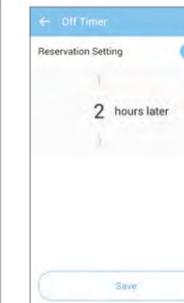
Vane Control



Straight forward Management



Reservation



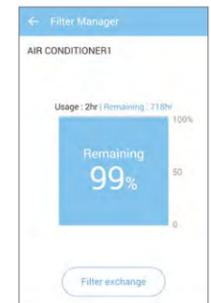
Energy Monitoring



Smart Diagnosis



Filter Management



Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place.



Access your air conditioner anytime and from anywhere

with a Wi-Fi equipped device and LG's exclusive control app, Smart ThinQ.



WALL MOUNTED UNITS



Plasmaster™ Ionizer^{PLUS}

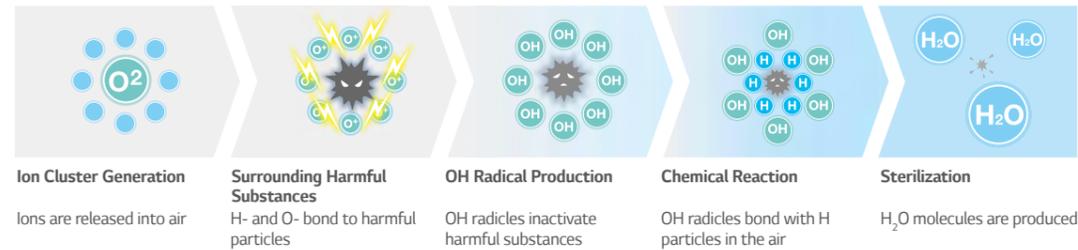
The powerful plasma ionizer protects you from odors and harmful substances in the air with over 3 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for a safer, cleaner environment.

* Specifications may vary for each model.
* Depending on the experimental conditions.

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

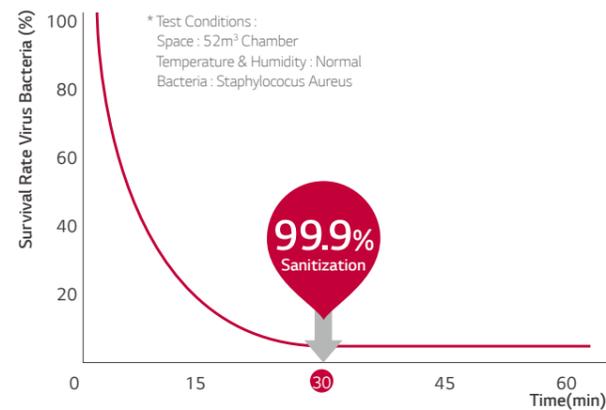
Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



• Test Result

Sterilization Performance Evaluations

Sterilize Bacteria (E.coli colon bacillus) over 99.9% in 30 min.



2.1 odor strength decrease in 60 minutes

An odor of strength 2 or less indicates that there is odor but no sense of displeasure (degree of odor permissible).



Odor strength reduce 3.6 → 1.5 / The Odor floating in the room as well as curtain and clothes.

Quick & Easy Installation

LG air conditioner is designed for an easy and efficient installation, making possible to install several units in a short period of time

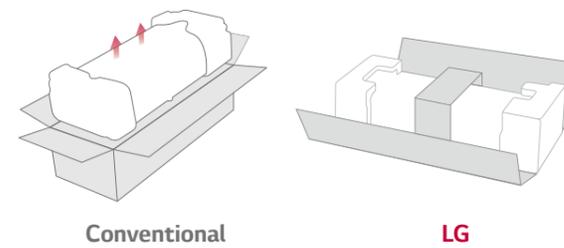
* Specifications may vary for each model.

• Concept

By reducing the manpower and time required for installation, it is now possible to install more units in less time.

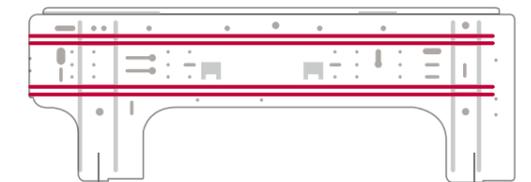
• How It Works

One Simple Packing Box



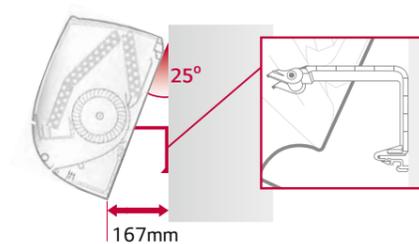
Installation Plate Improvement

LG's installation plate is larger and customized to reduce installation time.



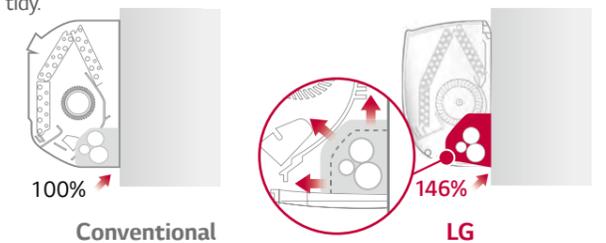
Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



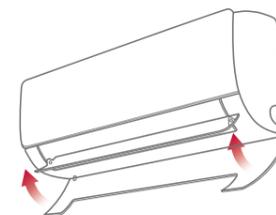
Wider Tubing Space

The space provided for tubing facilitates the whole installation process and hides the unorganized parts, making it appear clean and tidy.



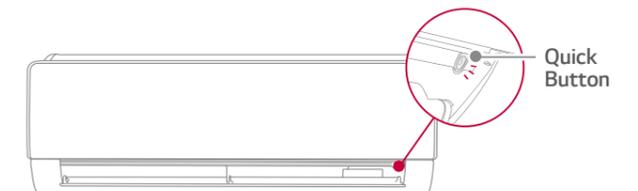
Detachable Bottom Cover

The air conditioner's bottom cover is detachable for easier installation and access.



Quick button for running test

The test button is conveniently located and easy to find.



WALL MOUNTED UNITS



		kBtu/h	05	07	09	12	15	18	24
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	ARTCOOL		-	● AM07BP	● AM09BP	● AM12BP	-	● AM18BP	● AM24BP
	Deluxe		-	● DM07RP	● DC09RQ	● DC12RQ	-	● DC18RQ	● DM24RP

ARTCOOL

				AM07BP NSJ	AM09BP NSJ	AM12BP NSJ	AM18BP NSK	AM24BP NSK
Capacity	Cooling / Heating	Nom	kW	2.1 / 2.3	2.5 / 3.2	3.5 / 3.8	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	17	18	19	39	45
Running Current		Nom	A	0.14	0.16	0.17	0.28	0.33
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure		H / M / L	dB(A)	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	44 / 38 / 35	46 / 41 / 36
Sound Power			dB(A)	57	57	57	59	65
Dehumidification Rate			l/h	0.9	1.1	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
Net weight			kg	9.1	9.9	9.9	13.2	11.6
Piping	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

DELUXE

				DM07RP NSJ	DC09RQ NSJ	DC12RQ NSJ	DC18RQ NSK	DM24RP NSK
Capacity	Cooling / Heating	Nom	kW	2.1 / 2.3	2.5 / 3.2	3.5 / 4.0	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	17	18	19	39	45
Running Current		Nom	A	0.15	0.16	0.17	0.28	0.33
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	7.5 / 6.1 / 4.9	7.7 / 6.4 / 5.0	8.1 / 6.7 / 5.3	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure		H / M / L	dB(A)	35 / 31 / 26	36 / 32 / 27	38 / 34 / 29	44 / 38 / 34	47 / 41 / 36
Sound Power			dB(A)	56	56	56	60	64
Dehumidification Rate			l/h	0.9	1.1	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net weight			kg	8.3	8.3	8.3	12.0	12.0
Piping	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

* Preliminary Data

		kBtu/h	05	07	09	12	15	18	24	
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0	
Wall Mounted Unit	Standard Plus		-	● PM05SP	● PM07SP	● PC09SQ	● PC12SQ	● PM15SP	● PC18SQ	● PM24SP
			-	● MJ05PC	● MJ07PC	● MJ09PC	● MJ12PC	● MJ15PC	● MJ18PC	● MJ24PC

STANDARD PLUS

				PM05SP NSJ	PM07SP NSJ	PC09SQ NSJ	PC12SQ NSJ	PM15SP NSJ	PC18SQ NSK	PM24SP NSK
Capacity	Cooling / Heating	Nom	kW	1.5 / 1.6	2.1 / 2.3	2.5 / 3.2	3.5 / 3.8	4.2 / 5.4	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	16	17	18	19	21	39	45
Running Current		Nom	A	0.13	0.14	0.16	0.17	0.18	0.28	0.33
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	8.3 / 6.7 / 5.6	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	10.0 / 8.5 / 6.1	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure		H / M / L	dB(A)	34 / 31 / 27	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	41 / 36 / 29	44 / 38 / 35	46 / 41 / 36
Sound Power			dB(A)	57	57	57	57	57	59	65
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net weight			kg	8.7	8.7	8.7	8.7	8.7	12.0	12.8
Piping	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

				MJ05PC NSJ	MJ07PC NSJ	MJ09SQ NSJ	MJ12SQ NSJ	MJ15PC NSJ	MJ18SQ NSK	MJ24PC NSK
Capacity	Cooling / Heating	Nom	kW	1.5 / 1.6	2.1 / 2.3	2.5 / 3.2	3.5 / 3.8	4.2 / 5.4	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	16	17	18	19	21	39	45
Running Current		Nom	A	0.13	0.14	0.16	0.17	0.18	0.28	0.33
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	8.3 / 6.7 / 5.6	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	10.0 / 8.5 / 6.1	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure		H / M / L	dB(A)	34 / 31 / 27	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	41 / 36 / 29	44 / 38 / 35	46 / 41 / 36
Sound Power			dB(A)	57	57	57	57	57	59	65
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net weight			kg	8.7	8.7	8.7	8.7	8.7	12.0	12.8
Piping	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

* Preliminary Data

CEILING MOUNTED CASSETTE



Human detect sensor & humidity sensor

Human detection sensor

Apply human detection sensor
Apply vision sensor
- Saving energy
- Supply comfortable flow

Comfortable and Power Saving Control based on Humidity
Apply humidity sensor
- Saving energy

• Detection

Checking no. of people and movement per 20seconds



• Detection range

Height 3.2 (15 x 8m)

Height 3.5 (16 x 10m)

A sensor is installed 90° rotation
12 x 6m → 6 x 12m detecting

Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe.

Detachable Corner Design

Refrigerant piping check and Hanger adjust

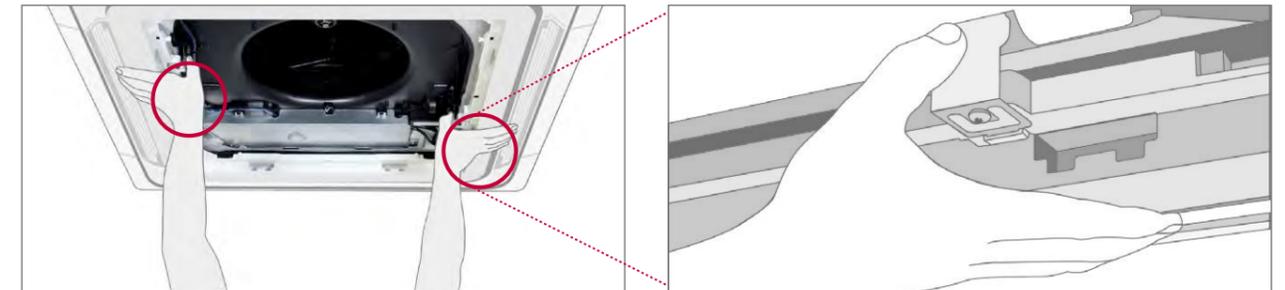
Drain leakage check and hanger adjust

Hanger adjust

Drain Leakage Check

Hanger Adjust

It is easy to install the panel to the body, using the button type panel design.



	kBtu/h	05	07	09	12	15	18	24
	kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Ceiling Mounted Cassette	4 Way Cassette	MT06R	MT08R	CT09R	CT12R	-	CT18R	CT24R

Cassette

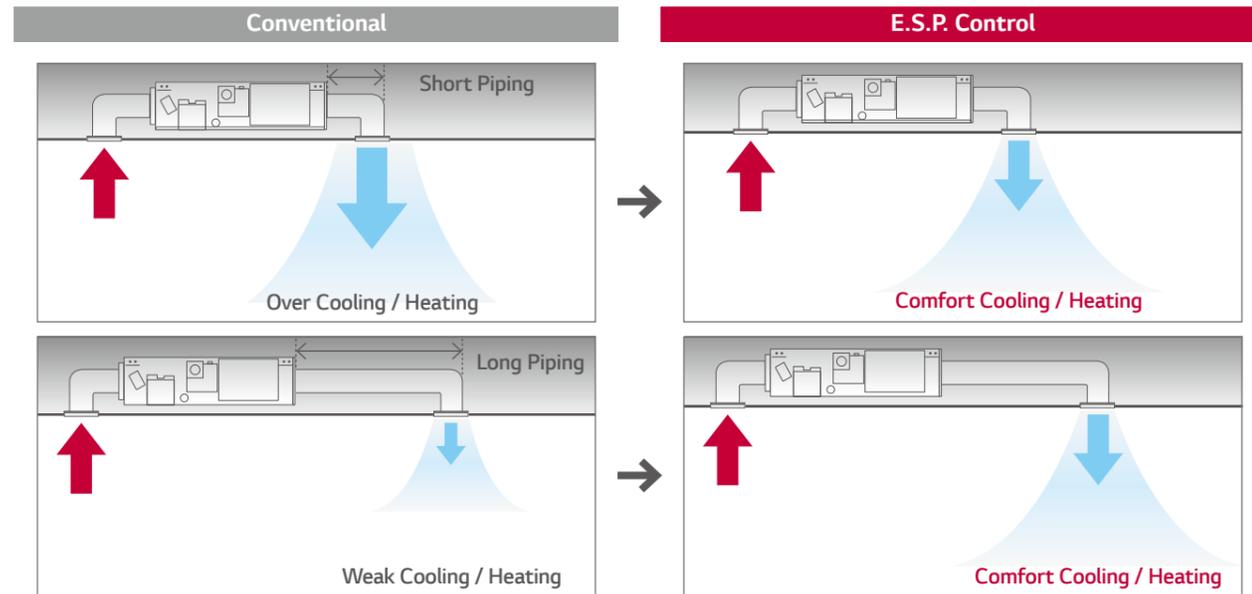
				MT06R NRO	MT08R NRO	CT09R NRO	CT12R NRO	CT18R NQO	CT24R NP0
Capacity	Cooling / Heating	Nom	kW	1.5 / 1.6	2.1 / 2.3	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	6.7 / 7.5
Power Input		Nom	W	20	20	20	20	40	60
Running Current		Nom	A	0.40	0.40	0.40	0.40	0.40	0.60
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	7.5 / 6.0 / 5.0	7.5 / 6.0 / 5.0	8.5 / 7.0 / 6.0	9.5 / 8.0 / 7.0	13.0 / 12.0 / 11.0	17.0 / 15.0 / 13.0
Sound Pressure		H / M / L	dB(A)	31 / 27 / 24	31 / 27 / 24	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36	38 / 36 / 34
Sound Power			dB(A)	48	48	52	52	57	57
Dehumidification Rate			l/h	-	-	0.9	1.4	2.0	2.7
Dimension		W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
Net weight			kg	14.0	14.0	14.0	14.0	14.3	20.5
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
Decoration Panel	Model			PT-QCHW0	PT-QCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0
	Color			Morning Fog (RAL 120-4)					
	Dimensions	W x H x D	mm	620 x 20 x 620	620 x 20 x 620	620 x 20 x 620	620 x 20 x 620	620 x 20 x 620	950 x 35 x 950
	Weight		kg	3.0	3.0	3.0	3.0	3.0	6.3

CEILING CONCEALED DUCT



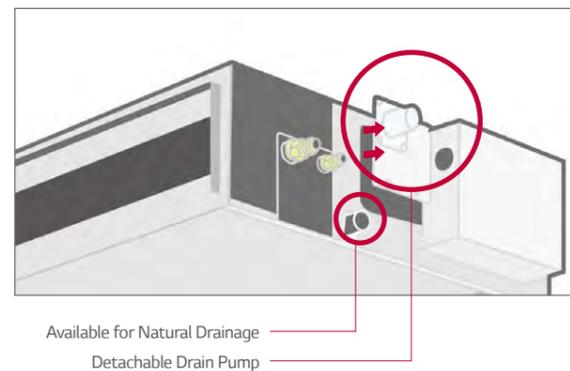
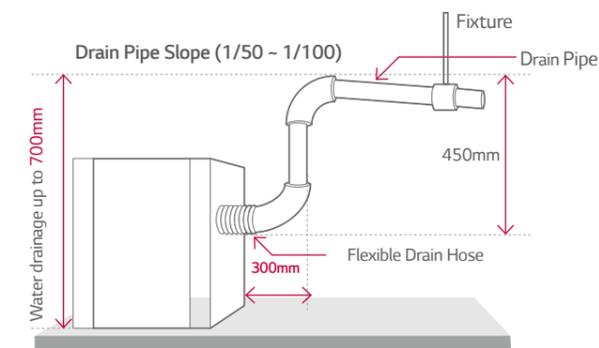
E.S.P. (External Static Pressure) Control

E.S.P. control function can make air volume controlled easily with remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.



High Head Drain Pump

High head drain pump automatically drains water up to 200mm of drain-head height. It provides perfect solution for water drainage. (H-Inverter : Included / Standard Inverter : Accessory (ABDPG) / Low-Static Duct : Included)



		05	07	09	12	15	18	24	
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Ceiling Concealed Duct	Mid / High Static Pressure		-	-	-	-	●	●	●
	Low Static Pressure		-	-	●	●	-	●	●

Duct (Mid Static)

				CM18R N10	CM24R N10
Capacity	Cooling / Heating	Nom	kW	5.3 / 5.8	7.0 / 7.7
Power Input		Nom	W	160	180
Running Current		Nom	A	0.90	1.00
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5
Sound Pressure		H / M / L	dB(A)	34 / 32 / 30	35 / 34 / 32
Sound Power			dB(A)	59	60
Dehumidification Rate			l/h	1.5	2.5
Dimension		W x H x D	mm	900 x 270 x 700	900 x 270 x 700
Net weight			kg	26.5	26.5
Piping	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
Connection	Gas		mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
External Static Pressure	Min-Max		mmAq (Pa)	2-15 (20-147)	2-15 (20-147)

Duct (Low Static)

				CL09R N20	CL12R N20	CL18R N20	CL24R N30
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	7.0 / 7.7
Power Input		Nom	W	100	100	140	160
Running Current		Nom	A	0.80	0.80	0.80	1.00
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	10.0 / 8.5 / 7.0	10.0 / 8.5 / 7.0	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
Sound Pressure		H / M / L	dB(A)	31 / 28 / 27	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32
Sound Power			dB(A)	55	55	54	58
Dehumidification Rate			l/h	0.55	1.11	1.58	2.65
Dimension		W x H x D	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700
Net weight			kg	24.0	24.0	24.0	27.0
Piping	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
External Static Pressure	Min-Max		mmAq (Pa)	0-5 (0-50)	0-5 (0-50)	0-5 (0-50)	0-5 (0-50)

R410A MULTI SPLIT

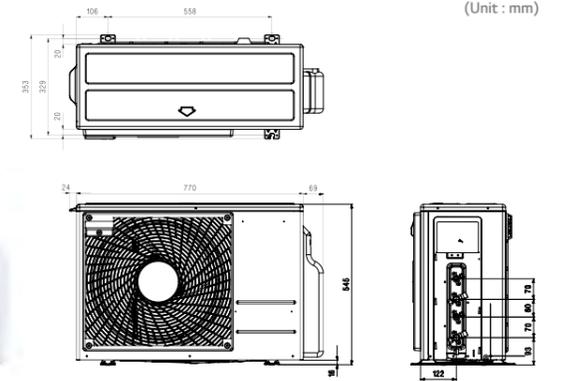


R410A MULTI SPLIT OUTDOOR UNITS

MU2M15
MU2M17



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OUTDOOR UNIT				MU2M15 UL4	MU2M17 UL4
Compressor	Type			Twin Rotary	Twin Rotary
Capacity *	Cooling	Min / Nom / Max	kW	0.9 / 4.1 / 4.7	0.9 / 4.7 / 5.4
	Heating	Min / Nom / Max	kW	1.0 / 4.7 / 5.4	1.0 / 5.3 / 5.7
Low Temperature Capacity	Heating -7°C	Max	kW	3.3	3.7
Power Input *	Cooling	Min / Nom / Max	kW	0.2 / 1.0 / 1.4	0.2 / 1.3 / 1.7
	Heating	Min / Nom / Max	kW	0.2 / 1.1 / 1.5	0.2 / 1.2 / 1.7
Running Current	Cooling	Min / Nom / Max	A	1.1 / 4.6 / 6.4	1.1 / 5.6 / 7.9
	Heating	Min / Nom / Max	A	1.1 / 4.9 / 6.7	1.1 / 5.5 / 7.6
EER				4.15	3.75
COP				4.40	4.25
SEER				7.60	7.50
SCOP				4.20	4.20
Pdesign (@-10°C)			kW	4.1	4.1
Seasonal Energy Label	Cooling / Heating			A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			189 / 1,367	219 / 1,367
Airflow Rate	Nom		m ³ /min	28.2	28.2
Sound Pressure	Cooling	Nom	dBA	48	48
	Heating	Nom	dBA	51	51
Sound Power	Cooling	Max	dBA	61	63
Dimensions	W x H x D		mm	770 x 545 x 288	770 x 545 x 288
Net Weight			Kg	37	37
Refrigerant	Type			R410A	R410A
	Charge		Kg	1.4	1.4
	Additional Charge		g/m	20	20
	GWP			2,087.5	2,087.5
	t-CO ₂ eq			2.9	2.9
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15
Piping Length Total			m	30	30
Piping Length per Branch		Max	m	20	20
Piping Elevation Difference	IDU - ODU	Max	m	15	15
	IDU - IDU	Max	m	7.5	7.5
Piping Connection	Liquid		mm(inch) x No.	Ø6.35 (1/4) x 2	Ø6.35 (1/4) x 2
	Gas		mm(inch) x No.	Ø9.52 (3/8) x 2	Ø9.52 (3/8) x 2

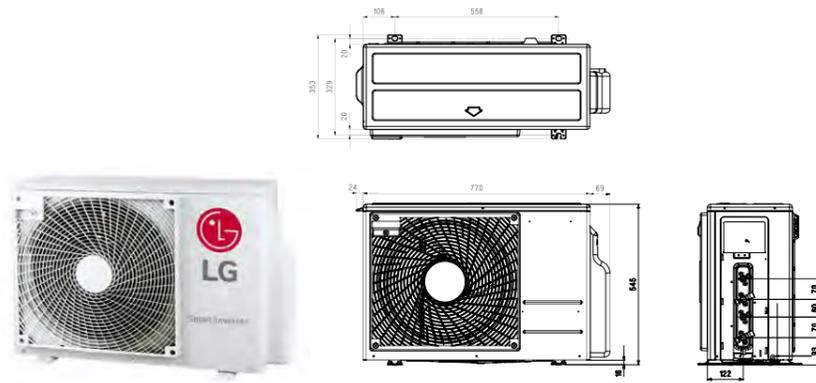
- Notes :1. Capacities are based on the following conditions
 Heating - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
 - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
 Piping Length: - Interconnecting Piping Length 7.5m
 - Level Difference of Zero
 2. *: See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected
 5. Minimum combination capacity rate should be more than 40%
 6. This product contains fluorinated greenhouse gases (R410A)

OUTDOOR UNITS

**MU3M19
MU3M21**



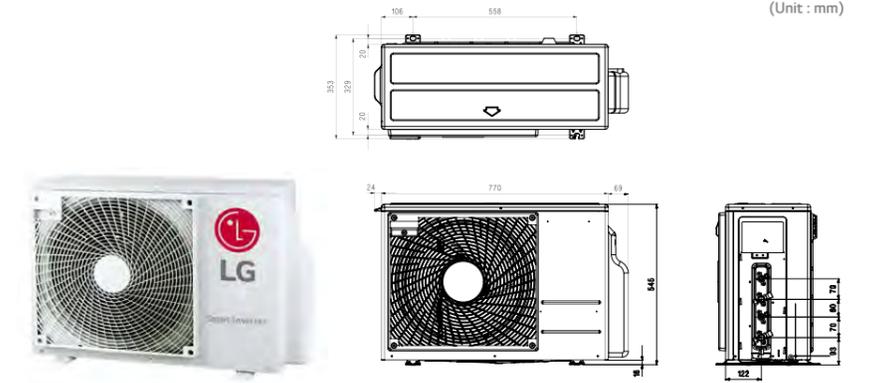
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**MU4M25
MU4M27
MU5M30**



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(Unit : mm)

OUTDOOR UNIT				MU3M19 UE4	MU3M21 UE4
Compressor	Type			Twin Rotary	Twin Rotary
Capacity *	Cooling	Min / Nom / Max	kW	1.1 / 5.3 / 6.3	1.1 / 6.2 / 7.3
	Heating	Min / Nom / Max	kW	1.2 / 6.3 / 7.3	1.2 / 7.0 / 7.8
Low Temperature Capacity	Heating -7°C	Max	kW	4.4	4.9
	Cooling	Min / Nom / Max	kW	0.3 / 1.3 / 1.8	0.3 / 1.6 / 2.2
Power Input *	Heating	Min / Nom / Max	kW	0.3 / 1.5 / 2.1	0.3 / 1.7 / 2.4
	Cooling	Min / Nom / Max	A	1.2 / 5.8 / 8.7	1.2 / 7.2 / 10.0
Running Current	Heating	Min / Nom / Max	A	1.2 / 6.8 / 9.7	1.2 / 7.7 / 11.0
	EER			4.20	4.00
COP				4.30	4.20
SEER				7.60	7.30
SCOP				4.21	4.21
Pdesign (@-10°C)			kW	5.2	5.2
Seasonal Energy Label	Cooling / Heating			A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			243 / 1,729	283 / 1,729
Airflow Rate	Nom		m ³ /min	50	50
Sound Pressure	Cooling	Nom	dBA	49	50
	Heating	Nom	dBA	54	54
Sound Power	Cooling	Max	dBA	63	64
Dimensions	W x H x D		mm	870 x 655 x 320	870 x 655 x 320
Net Weight			Kg	45	45
Refrigerant	Type			R410A	R410A
	Charge		Kg	1.7	1.7
	Additional Charge		g/m	20	20
	GWP			2,087.5	2,087.5
	t-CO ₂ eq			3.5	3.5
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20
Piping Length Total			m	50	50
Piping Length per Branch	Max		m	25	25
Piping Elevation Difference	IDU - ODU	Max	m	15	15
	IDU - IDU	Max	m	7.5	7.5
Piping Connection	Liquid		mm(inch) x No.	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 3
	Gas		mm(inch) x No.	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 3

Notes :1. Capacities are based on the following conditions
Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
Piping Length: - Interconnecting Piping Length 7.5m
- Level Difference of Zero
2. *: See page "Combination Table".
3. Due to our policy of innovation some specifications may be changed without notification.
4. At least two indoor units should be connected
5. Minimum combination capacity rate should be more than 40%
6. This product contains fluorinated greenhouse gases (R410A)

OUTDOOR UNIT				MU4M25 U44	MU4M27 U44	MU5M30 U44
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Capacity *	Cooling	Min / Nom / Max	kW	1.3 / 7.0 / 8.5	1.3 / 7.9 / 9.5	1.3 / 8.8 / 10.6
	Heating	Min / Nom / Max	kW	1.5 / 8.4 / 9.4	1.5 / 9.1 / 10.6	1.5 / 10.1 / 12.1
Low Temperature Capacity	Heating -7°C	Max	kW	5.9	6.4	7.1
	Cooling	Min / Nom / Max	kW	0.4 / 1.6 / 2.7	0.4 / 2.0 / 3.2	0.4 / 2.3 / 3.6
Power Input *	Heating	Min / Nom / Max	kW	0.6 / 1.9 / 3.0	0.6 / 2.1 / 3.5	0.6 / 2.3 / 3.7
	Cooling	Min / Nom / Max	A	1.9 / 7.4 / 12.1	1.9 / 8.9 / 14.4	1.9 / 10.2 / 16.2
Running Current	Heating	Min / Nom / Max	A	2.8 / 8.6 / 13.4	2.8 / 9.6 / 15.7	2.8 / 10.4 / 16.8
	EER			4.30	4.00	3.90
COP				4.40	4.30	4.41
SEER				7.30	7.20	7.00
SCOP				4.00	4.00	4.00
Pdesign (@-10°C)			kW	7.0	7.0	7.2
Seasonal Energy Label	Cooling / Heating			A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			337 / 2,450	385 / 2,450	440 / 2,520
Airflow Rate	Nom		m ³ /min	60	60	60
Sound Pressure	Cooling	Nom	dBA	49	50	50
	Heating	Nom	dBA	53	54	54
Sound Power	Cooling	Max	dBA	64	65	66
Dimensions	W x H x D		mm	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
Net Weight			Kg	61	61	61
Refrigerant	Type			R410A	R410A	R410A
	Charge		Kg	2.8	2.8	3.2
	Additional Charge		g/m	20	20	20
	GWP			2,087.5	2,087.5	2,087.5
	t-CO ₂ eq			5.8	5.8	6.7
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	25	25	25
Piping Length Total			m	70	70	75
Piping Length per Branch	Max		m	25	25	25
Piping Elevation Difference	IDU - ODU	Max	m	15	15	15
	IDU - IDU	Max	m	7.5	7.5	7.5
Piping Connection	Liquid		mm(inch) x No.	Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 5
	Gas		mm(inch) x No.	Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 5

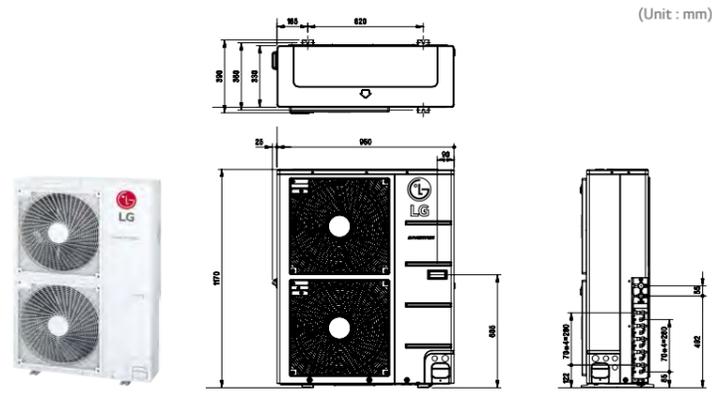
Notes :1. Capacities are based on the following conditions
Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
Piping Length: - Interconnecting Piping Length 7.5m
- Level Difference of Zero
2. *: See page "Combination Table".
3. Due to our policy of innovation some specifications may be changed without notification.
4. At least two indoor units should be connected
5. Minimum combination capacity rate should be more than 40%
6. This product contains fluorinated greenhouse gases (R410A)

OUTDOOR UNITS

MU5M40



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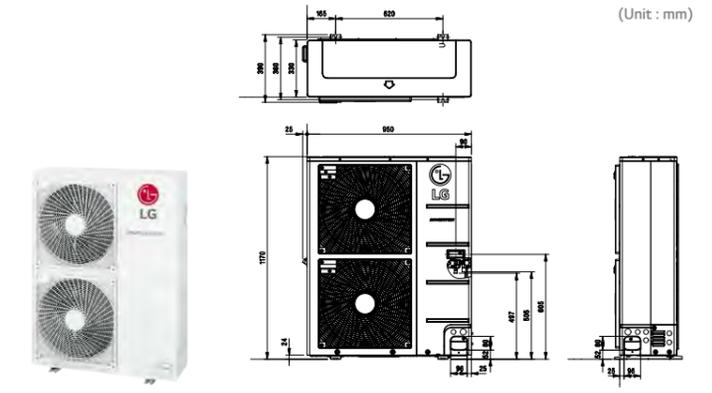
OUTDOOR				MU5M40 UO2	
Compressor	Type			Twin Rotary	
Capacity*	Cooling	Min / Nom / Max	kW	0.9 / 11.2 / 13.5	
	Heating	Min / Nom / Max	kW	1.0 / 12.5 / 15.0	
Low Temperature Capacity	Heating -7°C	Max	kW	11.0	
	Cooling	Min / Nom / Max	kW	0.8 / 2.7 / 4.2	
Power Input*	Heating	Min / Nom / Max	kW	0.8 / 2.8 / 4.5	
	Cooling	Min / Nom / Max	A	3.5 / 12.1 / 18.4	
Running Current	Heating	Min / Nom / Max	A	3.6 / 12.5 / 19.7	
				EER	4.10
			COP	4.45	
			SEER	5.80	
			SCOP	3.81	
			Pdesign (@ -10°C)	kW	11.8
Seasonal Energy Label	Cooling / Heating			A+ / A	
Annual Energy Consumption	Cooling / Heating			643 / 4,236 kWh	
Airflow Rate		Nom	m ³ /min	90	
Sound Pressure	Cooling	Nom	dBA	53	
	Heating	Nom	dBA	55	
Sound Power	Cooling	Max	dBA	67	
Dimensions	W x H x D			950 x 1,170 x 330 mm	
Net Weight			kg	84.0	
Refrigerant	Type			R410A	
	Charge			3.8 kg	
	Additional Charge			20 g/m	
	GWP			2,087.5	
	t-CO ₂ eq			7.9	
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	
	Heating	Min - Max	°C WB	-18 - 18	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	
Power Supply Cable			No. x mm ²	3C x 3.5	
Transmission Cable			No. x mm ²	4C x 0.75	
Circuit Breaker			A	30	
Piping Length Total			m	85	
	Piping Length per Branch	Max	m	25	
	Piping Elevation Difference	IDU - ODU	Max	m	15
Piping Connection	Liquid			Ø6.35 (1/4) x 5	
	Gas			Ø9.52 (3/8) x 5	

Note : 1. Capacities are based on the following conditions:
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
2. * : See page "Combination Table".
3. Due to our policy of innovation some specifications may be changed without notification.
4. At least two indoor units should be connected.
5. Minimum combination capacity rate should be more than 40%.
6. This product contains fluorinated greenhouse gases (R410A)

FM40AH



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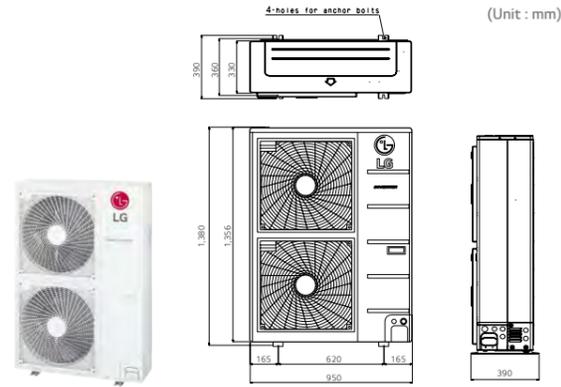


OUTDOOR				FM40AH UO2	
Compressor	Type			Twin Rotary	
Capacity*	Cooling	Min / Nom / Max	kW	2.8 / 11.2 / 13.5	
	Heating	Min / Nom / Max	kW	3.1 / 12.5 / 15.0	
Low Temperature Capacity	Heating -7°C	Max	kW	11.0	
	Cooling	Min / Nom / Max	kW	0.8 / 2.7 / 4.2	
Power Input*	Heating	Min / Nom / Max	kW	0.8 / 2.8 / 4.5	
	Cooling	Min / Nom / Max	A	3.5 / 12.1 / 18.4	
Running Current	Heating	Min / Nom / Max	A	3.6 / 12.5 / 19.7	
				EER	4.10
			COP	4.45	
			SEER	5.60	
			SCOP	3.81	
			Pdesign (@ -10°C)	kW	11.8
Seasonal Energy Label	Cooling / Heating			A+ / A	
Annual Energy Consumption	Cooling / Heating			643 / 4,236 kWh	
Airflow Rate		Nom	m ³ /min	90	
Sound Pressure	Cooling	Nom	dBA	53	
	Heating	Nom	dBA	55	
Sound Power	Cooling	Max	dBA	67	
Dimensions	W x H x D			950 x 1,170 x 330 mm	
Net Weight			kg	82.0	
Refrigerant	Type			R410A	
	Charge			3.8 kg	
	Additional Charge			20 g/m	
	GWP			2,087.5	
	t-CO ₂ eq			7.9	
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	
	Heating	Min - Max	°C WB	-18 - 18	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	
Power Supply Cable			No. x mm ²	3C x 3.5	
Transmission Cable	ODU-BD			No. x mm ²	4C x 1.25
Circuit Breaker	BD-IDU			No. x mm ²	4C x 0.75
				A	30
Max Piping Length	Total Piping (Main + Total Branch)		m	100	
	Main Piping		m	50	
	Total Branch Piping		m	50	
	Each Branch Piping		m	15	
Piping Elevation Difference	IDU - ODU	Max	m	30	
	IDU - IDU	Max	m	15	
Piping Connection	Liquid			Ø9.52 (3/8)	
	Gas			Ø19.05 (3/4)	

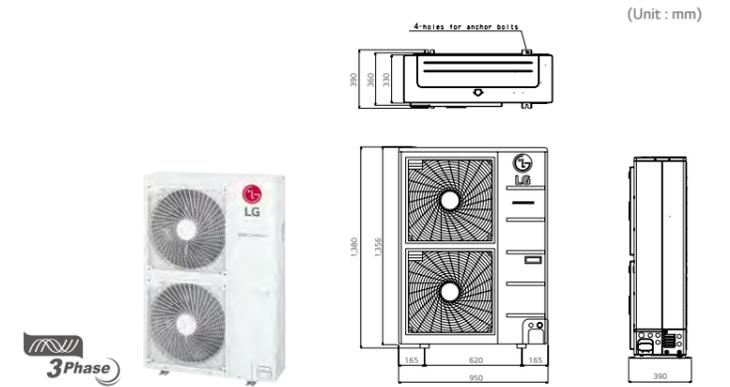
Note : 1. Capacities are based on the following conditions:
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
2. * : See page "Combination Table".
3. Due to our policy of innovation some specifications may be changed without notification.
4. At least two indoor units should be connected.
5. Minimum combination capacity rate should be more than 40%.
6. This product contains fluorinated greenhouse gases (R410A)

OUTDOOR UNITS

**FM48AH
FM56AH**



**FM41AH
FM49AH
FM57AH**



OUTDOOR				FM48AH U32	FM56AH U32	
Compressor	Type			Twin Rotary	Twin Rotary	
	Cooling	Min / Nom / Max	kW	3.3 / 14.0 / 17.0	4.0 / 15.5 / 18.5	
Capacity*	Heating	Min / Nom / Max	kW	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8	
	Low Temperature Capacity	Heating -7°C	Max	14.8	16.1	
Power Input*	Cooling	Min / Nom / Max	kW	0.8 / 3.2 / 5.1	1.0 / 3.9 / 5.9	
	Heating	Min / Nom / Max	kW	1.3 / 3.7 / 5.2	1.5 / 4.2 / 6.2	
Running Current	Cooling	Min / Nom / Max	A	3.9 / 13.2 / 22.3	4.6 / 16.1 / 25.7	
	Heating	Min / Nom / Max	A	6.9 / 15.6 / 22.7	7.4 / 16.8 / 27.2	
EER			4.41	4.01		
COP			4.37	4.18		
SEER			6.1	5.6		
SCOP			4.0	4.0		
Pdesign (@ -10°C)			kW	11.7	12.3	
Seasonal Energy Label	Cooling / Heating			-	-	
Annual Energy Consumption	Cooling / Heating			1,377 / 4,095	1,661 / 4,305	
Airflow Rate	Nom			120	120	
	Cooling	Nom	dBA	54	54	
Sound Pressure	Heating	Nom	dBA	56	56	
	Sound Power	Cooling / Heating	Max	dBA	68 / 71	69 / 73
Dimensions	W x H x D			950 x 1,380 x 330	950 x 1,380 x 330	
Net Weight			kg	96.0	96.0	
Refrigerant	Type			R410A	R410A	
	Charge			kg	4.4	4.4
	Additional Charge			g/m	20	20
	GWP			2,087.5	2,087.5	
	t-CO ₂ eq			9.2	9.2	
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48	
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Power Supply Cable			No. x mm ²	3C x 4.0	3C x 4.0	
Transmission Cable	ODU-BD			No. x mm ²	4C x 1.25	4C x 1.25
	BD-IDU			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	
Max Piping Length	Total Piping (Main + Total Branch)		m	135	145	
	Main Piping		m	55	55	
	Total Branch Piping		m	80	90	
	Each Branch Piping		m	15	15	
Piping Elevation Difference	IDU - ODU	Max	m	30	30	
	IDU - IDU	Max	m	15	15	
Piping Connection	Liquid			mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas			mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)

Note : 1. Capacities are based on the following conditions:
 Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
 2. *: See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected.
 5. Minimum combination capacity rate should be more than 40%.
 6. This product contains fluorinated greenhouse gases (R410A)

OUTDOOR				FM41AH U32	FM49AH U32	FM57AH U32
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
	Cooling	Min / Nom / Max	kW	2.8 / 12.1 / 14.1	3.3 / 14.0 / 17.0	4.0 / 15.5 / 18.5
Capacity*	Heating	Min / Nom / Max	kW	3.2 / 12.5 / 15.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
	Low Temperature Capacity	Heating -7°C	Max	11.1	13.6	15.2
Power Input*	Cooling	Min / Nom / Max	kW	0.8 / 2.4 / 3.8	0.8 / 3.2 / 5.1	1.0 / 3.9 / 5.9
	Heating	Min / Nom / Max	kW	0.9 / 2.5 / 4.7	1.3 / 3.7 / 5.2	1.5 / 4.2 / 6.2
Running Current	Cooling	Min / Nom / Max	A	1.5 / 3.3 / 5.7	1.8 / 4.4 / 7.3	2.3 / 5.4 / 8.4
	Heating	Min / Nom / Max	A	1.7 / 3.3 / 6.9	2.1 / 5.1 / 7.5	2.5 / 5.5 / 9.0
EER			4.68	4.41	4.01	
COP			4.92	4.37	4.18	
SEER			6.1	6.1	5.6	
SCOP			4.0	4.0	4.0	
Pdesign (@ -10°C)			kW	11.7	11.7	12.3
Seasonal Energy Label	Cooling / Heating			-	-	-
Annual Energy Consumption	Cooling / Heating			1,190 / 4,095	1,377 / 4,095	1,661 / 4,305
Airflow Rate	Nom			120	120	120
	Cooling	Nom	dBA	53	54	54
Sound Pressure	Heating	Nom	dBA	55	56	56
	Sound Power	Cooling / Heating	Max	dBA	67 / 69	68 / 71
Dimensions	W x H x D			950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	96.0	96.0	96.0
Refrigerant	Type			R410A	R410A	R410A
	Charge			kg	4.4	4.4
	Additional Charge			g/m	20	20
	GWP			2,087.5	2,087.5	2,087.5
	t-CO ₂ eq			9.2	9.2	9.2
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	-10 - 48	-10 - 48
	Heating	Min - Max	°C WB	-18 - 18	-18 - 18	-18 - 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm ²	5C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable	ODU-BD			No. x mm ²	4C x 1.25	4C x 1.25
	BD-IDU			No. x mm ²	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20
Max Piping Length	Total Piping (Main + Total Branch)		m	125	135	145
	Main Piping		m	55	55	55
	Total Branch Piping		m	70	80	90
	Each Branch Piping		m	15	15	15
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30
	IDU - IDU	Max	m	15	15	15
Piping Connection	Liquid			mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas			mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)

Note : 1. Capacities are based on the following conditions:
 Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
 2. *: See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected.
 5. Minimum combination capacity rate should be more than 40%.
 6. This product contains fluorinated greenhouse gases (R410A)

WALL MOUNTED UNITS

Wi-Fi Control

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones. This advanced technology provides you the best convenience.

• LG Smart ThinQ



Search "LG Smart ThinQ" on Google market or Appstore then download the app.

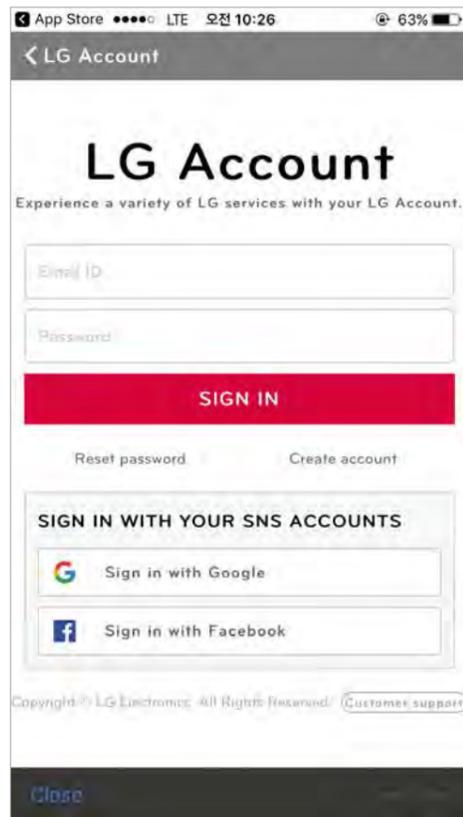


LG Smart ThinQ

• How it Works

Easy Registration and Log-in

Follow the easy set-up steps that will activate SmartThinQ's impressive feature.



• Wi-Fi Connectivity

Let's every member of your family choose their own preferred air conditioning temperature and fan speed, then save the settings in their app to run later. You can save the setting for each air conditioner as well.

Multiple Devices



Multi-Control



* Can be controlled by multiple users, but not simultaneously

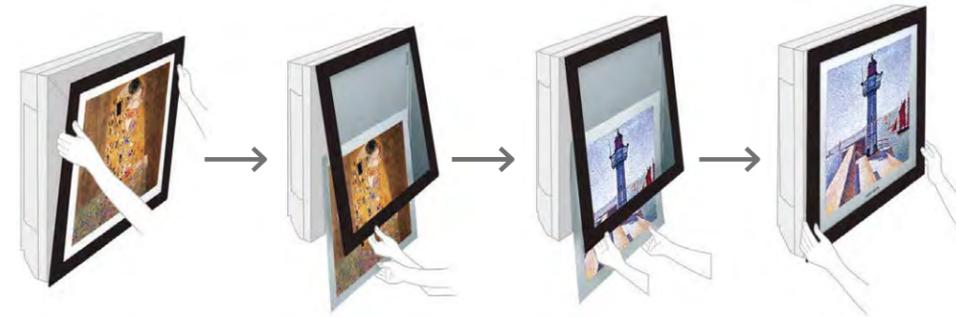
Aesthetic Design

You no longer need to be told what your air conditioner should look like. With LG's revolutionary ARTCOOL Gallery, you can change the look of your air conditioner to whatever you want, whenever you want. The ARTCOOL series have outstanding designs and have been awarded the International Forum Design Award, the Reddot Design Award and the G Mark.

• Gallery



• How to Change the Picture



• ARTCOOL



• Deluxe



• Standard Plus



WALL MOUNTED UNITS

Plasmaster™ Ionizer^{PLUS}

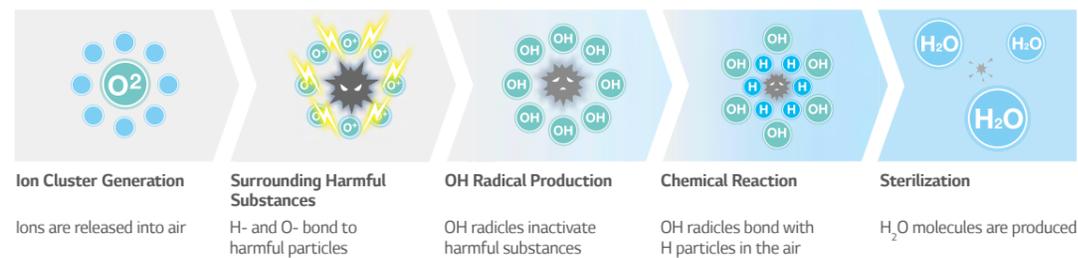
The powerful plasma ionizer protects you from odors and harmful substances in the air with over 3 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for a safer, cleaner environment.

* Specifications may vary for each model.
 * Depending on the experimental conditions.
 * This function will be available with following models and date.
 - ARNU**GSJN4, ARNU**GSKN4 : From ` 17 May

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

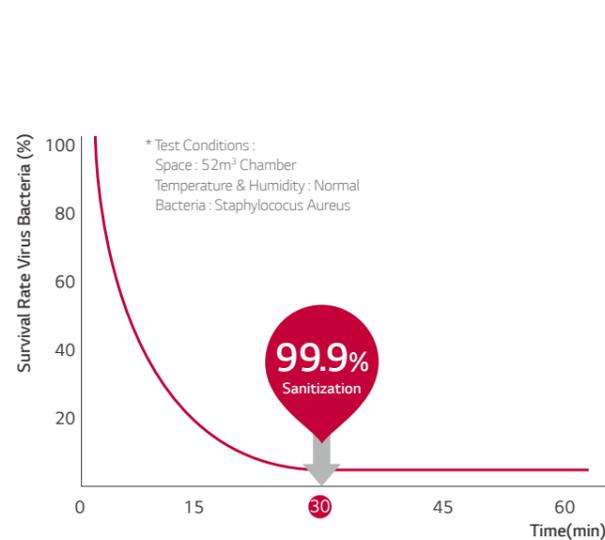
Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



• Test Result

Sterilization Performance Evaluations

Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



2.1 odor strength decrease in 60 minutes

An odor of strength 2 or less indicates that there is odor but no sense of displeasure (degree of odor permissible).

Odor Strength	1	2	3	4
Offensive odor substance sensitivity				
	Mountain smell	Indoor life smell	Bathroom smell	Food waste smell
Odor strength level	Light	Moderate	Strong	Very Strong

← 1.5 Plasmaster Ionizer^{PLUS} 3.6 →

Odor strength reduce 3.6 → 1.5 / The Odor floating in the room as well as curtain and clothes.

Quick & Easy Installation

LG air conditioner is designed for an easy and efficient installation, making possible to install several units in a short period of time

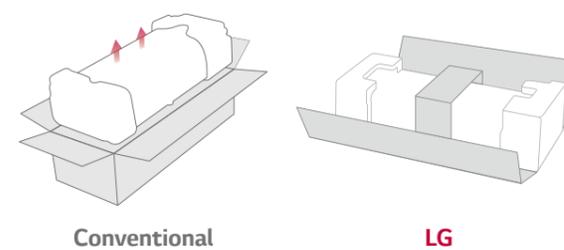
* Specifications may vary for each model.

• Concept

By reducing the manpower and time required for installation, it is now possible to install more units in less time.

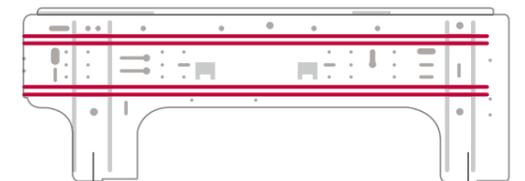
• How It Works

One Simple Packing Box



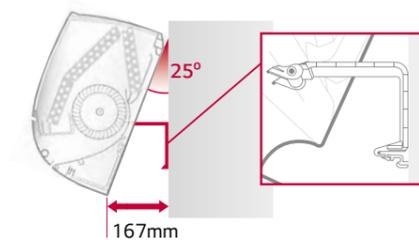
Installation Plate Improvement

LG's installation plate is larger and customized to reduce installation time.



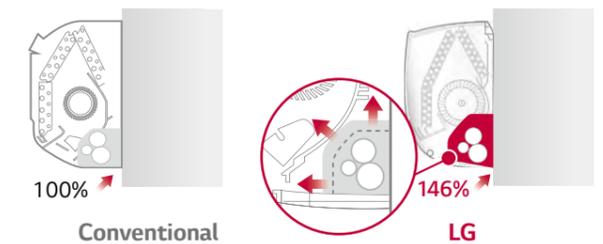
Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



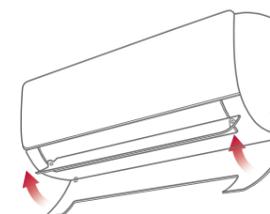
Wider Tubing Space

The space provided for tubing facilitates the whole installation process and hides the unorganized parts, making it appear clean and tidy.



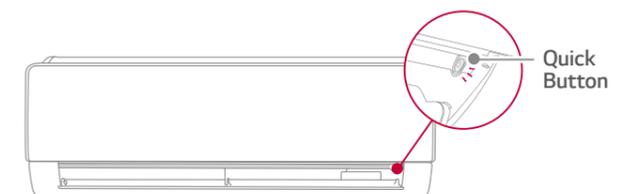
Detachable Bottom Cover

The air conditioner's bottom cover is detachable for easier installation and access.



Quick button for running test

The test button is conveniently located and easy to find.



WALL MOUNTED UNITS

		kBtu/h	5	7	9	12	15	18	24
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	ARTCOOL Gallery		-	-	MA09AH1	MA12AH1	-	-	-
	ARTCOOL		-	AM07BP	AM09BP	AM12BP	-	AM18BP	AM24BP

ARTCOOL Gallery

		MA09AH1.NF1		MA12AH1.NF1	
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9
Power Input			W x No.	40 x 1	40 x 1
Running Current			A	0.1	0.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	7.7 / 5.9 / 4.4	8.9 / 7.3 / 5.6
Sound Pressure		H / M / L	dB(A)	38 / 32 / 27	44 / 38 / 32
Sound Power		Cooling	dB(A)	52	54
Dehumidification Rate			l/h	1.2	1.4
Dimensions	Body	W x H x D	mm	600 x 600 x 145	600 x 600 x 145
Net Weight	Body		kg	15.0	15.0
Piping	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connections	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)

ARTCOOL

		AM07BP.NSJ		AM09BP.NSJ		AM12BP.NSJ		AM18BP.NSK		AM24BP.NSK	
Capacity	Cooling / Heating	Nom	kW	2.1 / 2.3	2.5 / 3.2	3.5 / 3.8	5.0 / 5.8	6.6 / 7.5			
Power Input			W	17	18	19	39	45			
Running Current			A	0.14	0.16	0.17	0.28	0.33			
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50			
Air Flow Rate		H / M / L	m ³ /min	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2			
Sound Pressure		H / M / L	dB(A)	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	44 / 38 / 35	46 / 41 / 36			
Sound Power			dB(A)	57	57	57	59	65			
Dehumidification Rate			l/h	0.9	1.1	1.2	1.9	2.6			
Dimension		W x H x D	mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212			
Net weight			kg	9.1	9.9	9.9	13.2	11.6			
Piping	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)			
Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)			

		kBtu/h	5	7	9	12	15	18	24
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	Deluxe		-	DM07RP	DM09RP	DM12RP	-	DM18RP	DM24RP
	Standard Plus		PM05SP	PM07SP	PM09SP	PM12SP	PM15SP	PM18SP	PM24SP

DELUXE

		DM07RP.NSJ		DM09RP.NSJ		DM12RP.NSJ		DM18RP.NSK		DM24RP.NSK	
Capacity	Cooling / Heating	Nom	kW	2.1 / 2.3	2.5 / 3.2	3.5 / 4.0	5.0 / 5.8	6.6 / 7.5			
Power Input			W	17	18	19	39	45			
Running Current			A	0.15	0.16	0.17	0.28	0.33			
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50			
Air Flow Rate		H / M / L	m ³ /min	7.5 / 6.1 / 4.9	7.7 / 6.4 / 5.0	8.1 / 6.7 / 5.3	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2			
Sound Pressure		H / M / L	dB(A)	35 / 31 / 26	36 / 32 / 27	38 / 34 / 29	44 / 38 / 34	47 / 41 / 36			
Sound Power			dB(A)	56	56	56	60	64			
Dehumidification Rate			l/h	0.9	1.1	1.2	1.9	2.6			
Dimension		W x H x D	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210			
Net weight			kg	8.3	8.3	8.3	12.0	12.0			
Piping	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)			
Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)			

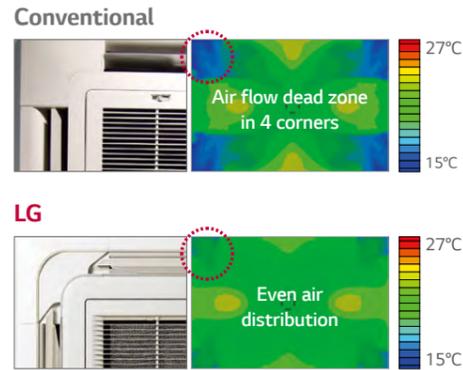
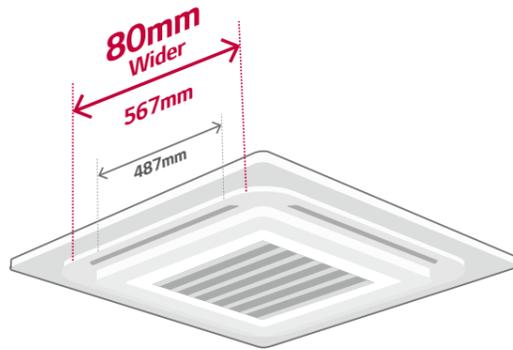
STANDARD PLUS

		PM05SP.NSJ		PM07SP.NSJ		PM09SP.NSJ		PM12SP.NSJ		PM15SP.NSJ		PM18SP.NSK		PM24SP.NSK	
Capacity	Cooling / Heating	Nom	kW	1.5 / 1.6	2.1 / 2.3	2.5 / 3.2	3.5 / 3.8	4.2 / 5.4	5.0 / 5.8	6.6 / 7.5					
Power Input			W	16	17	18	19	21	39	45					
Running Current			A	0.13	0.14	0.16	0.17	0.18	0.28	0.33					
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50					
Air Flow Rate		H / M / L	m ³ /min	8.3 / 6.7 / 5.6	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	10.0 / 8.5 / 6.1	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2					
Sound Pressure		H / M / L	dB(A)	34 / 31 / 27	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	41 / 36 / 29	44 / 38 / 35	46 / 41 / 36					
Sound Power			dB(A)	57	57	57	57	57	59	65					
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2	1.9	2.6					
Dimension		W x H x D	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210					
Net weight			kg	8.7	8.7	8.7	8.7	8.7	12.0	12.8					
Piping	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)					
Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)					

CEILING MOUNTED CASSETTE

950/700 Panel – Wide Jet Air Flow

Improved vanes reduce the curved area and provide even distribution.



620 Panel – Compact and Stylish Design

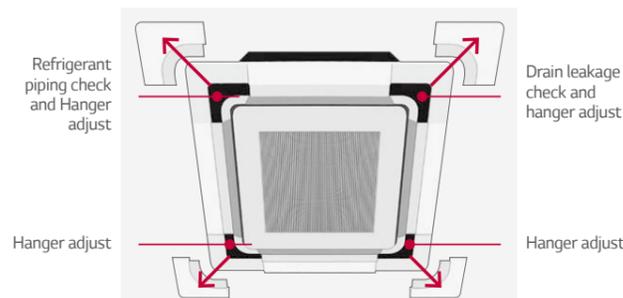
- New 4 way cassette panel adapted unibody shape and matching with into the ceiling
- Panel size is fit into the ceiling tile



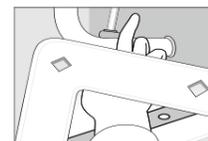
Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe.

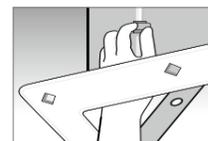
Detachable Corner Design



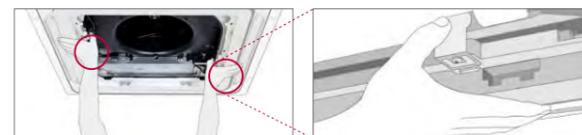
Drain Leakage Check



Hanger Adjust



It is easy to install the panel to the body, using the button type panel design.



		CAPACITY (kW)		1.5	2.1	2.6	3.5	5.3	7.0
1 Way Cassette		-	-			MT09AH NU1	MT11AH NU1	-	-
4 Way Cassette		MT06AH NR0	MT08AH NR0	CT09 NR2	CT12 NR2	CT18 NQ4	CT24 NP4		

INDOOR				MT09AH NU1	MT11AH NU1	MT06AH NR0	MT08AH NR0
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9	1.5 / 1.6	2.1 / 2.3
Power Input		Nom	W	20	20	20	20
Running Current		Nom	A	0.2	0.2	0.4	0.4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	7.5 / 7.3 / 6.8	8.1 / 7.4 / 7.0	7.5 / 6.0 / 5.0	7.5 / 6.0 / 5.0
Sound Pressure	Cooling	H / M / L	dBA	36 / 34 / 32	37 / 36 / 33	31 / 27 / 24	31 / 27 / 24
Sound Power	Cooling	Max	dBA	54	57	48	48
Dehumidification Rate			l/h	1.1	1.2	0.8	1
Dimensions	Body	W x H x D	mm	860 x 132 x 450	860 x 132 x 450	570 x 214 x 570	570 x 214 x 570
Net Weight	Body		kg	13.5	13.5	14.0	14.0
Piping	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Decoration Panel	Model			PT-UUC1	PT-UUC1	PT-UQC, PT-QCHW0	
	Color			Morning Fog (RAL120-4)	Morning Fog (RAL120-4)	Morning Fog (RAL 120-4)	
	Dimensions	W x H x D	mm	1,100 x 34 x 500	1,100 x 34 x 500	700 x 22 x 700, 620 x 20 x 620	
	Weight		kg	4.4	4.4	3.0	

* CT09, CT12, CT18, CT24 are compatible between SCAC and MULTI.

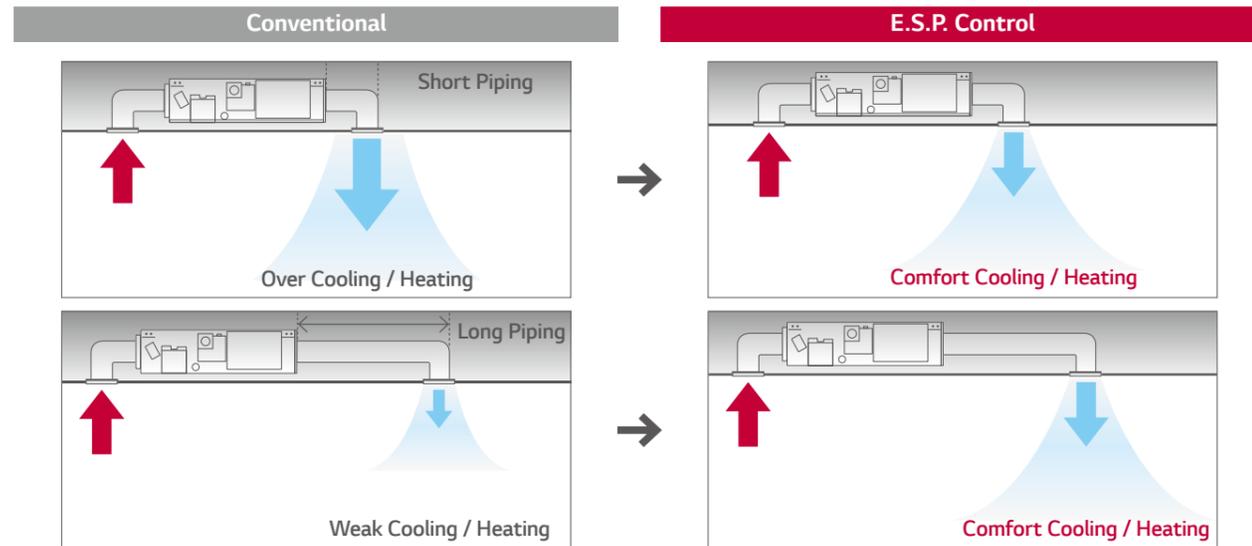
INDOOR				CT09 NR2	CT12 NR2	CT18 NQ4	CT24 NP4
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	6.7 / 7.5
Power Input		Nom	W	20	20	20	20
Running Current		Nom	A	0.4	0.4	0.4	0.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	8.5 / 7.0 / 6.0	9.5 / 8.0 / 7.0	13.0 / 12.0 / 11.0	17.0 / 15.0 / 13.0
Sound Pressure	Cooling	H / M / L	dBA	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36	38 / 36 / 34
Sound Power	Cooling	Max	dBA	48	51	55	57
Dehumidification Rate			l/h	1.4	1.7	2.1	2.4
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
Net Weight	Body		kg	14.0	14.0	15.5	20.5
Piping	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
Decoration Panel	Model				PT-UQC, PT-QCHW0		PT-UMC1
	Color				Morning Fog (RAL 120-4)		Morning Fog (120-4)
	Dimensions	W x H x D	mm		700 x 22 x 700, 620 x 20 x 620		950 x 25 x 950
	Weight		kg		3.0		5.0

Note: 1. Capacities are based on the following conditions:
 Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero
 2. Definition of Power Input Nominal conditions - Performance tested under EN14511
 3. Due to our policy of innovation some specifications may be changed without notification
 4. This product contains fluorinated greenhouse gases (R410A)

CEILING CONCEALED DUCT

E.S.P. (External Static Pressure) Control

E.S.P. control function can make air volume controlled easily with remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.



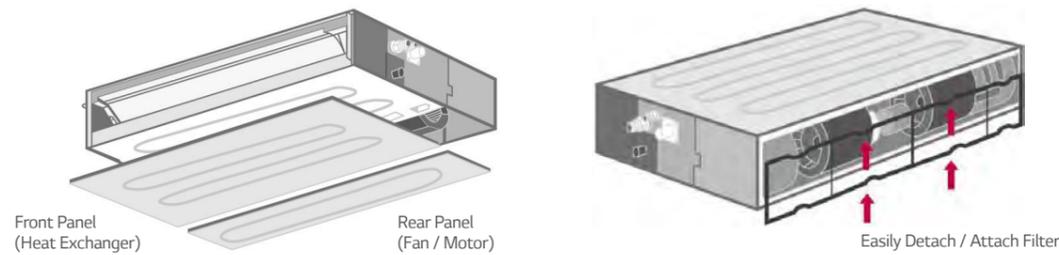
CAPACITY (KW)		2.6	3.5	5.3	7.0
Ceiling Concealed Duct		CB09L N12	CB12L N22	CB18L N22	CB24L N32
		-	-	CM18 N14	CM24 N14

INDOOR		CB09L N12	CB12L N22	CB18L N22	CB24L N32
Capacity	Cooling / Heating Nom kW	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	7.0 / 7.7
Power Input	Min / Max (Nom ESP) W	40 / 60	80 / 100	100 / 140	110 / 160
Running Current	Nom A	0.4	0.8	0.8	1.0
Power Supply	Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	H / M / L m³/min	9.0 / 7.0 / 5.5	10.0 / 8.5 / 7.0	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
Sound Pressure	Cooling H / M / L dBA	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32
Sound Power	Cooling Max dBA	49	52	54	58
Dehumidification Rate	l/h	1.1	1.2	1.7	2.2
Dimensions	Body W x H x D mm	700 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700
Net Weight	Body kg	17.5	23.0	23.0	27.0
Piping	Liquid mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
Connection	Gas mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)
External Static Pressure	Min - Max mmAq (Pa)	0 - 5 (0 - 49)	0 - 5 (0 - 49)	0 - 5 (0 - 49)	0 - 5 (0 - 49)

* CB09L, CB12L, CB18L, CB24L are compatible between SCAC and MULTI.
* CM18, CM24 are compatible between SCAC and MULTI.

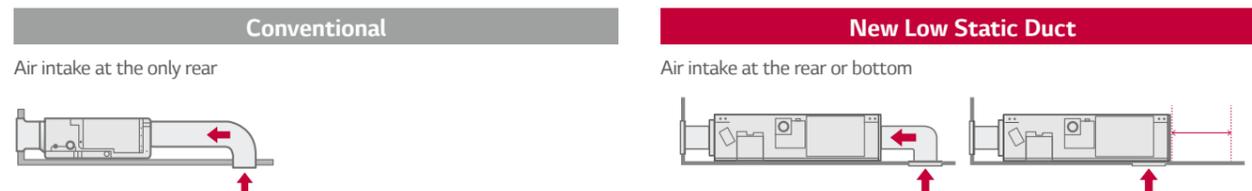
Easy Service & Maintenance

Users don't need to open whole panel for maintenance, since panel is divided into one for heat exchanger and one for fan/motor. Easily detach and attach the filter even in limited space.



Flexible Installation

The new low static duct allows the air intake at the rear or bottom under installation condition.



INDOOR		CM18 N14	CM24 N14
Capacity	Cooling / Heating Nom kW	5.3 / 5.8	7.0 / 7.7
Power Input	Min / Max (Nom ESP) W	90 / 160	100 / 180
Running Current	Nom A	0.9	1.0
Power Supply	Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	H / M / L m³/min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5
Sound Pressure	Cooling H / M / L dBA	34 / 32 / 30	35 / 34 / 32
Sound Power	Cooling Max dBA	59	60
Dehumidification Rate	l/h	2.0	2.5
Dimensions	Body W x H x D mm	900 x 270 x 700	900 x 270 x 700
Net Weight	Body kg	23.8	24.2
Piping	Liquid mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
Connection	Gas mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
External Static Pressure	Min - Max mmAq (Pa)	2.5-15 (25-147)	2.5-15 (25-147)

Note : 1. Capacities are based on the following conditions :
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero
2. Definition of Power Input Nominal conditions - Performance tested under EN14511
3. Due to our policy of innovation some specifications may be changed without notification
4. This product contains fluorinated greenhouse gases (R410A)

CEILING SUSPENDED UNIT

Flexible Installation

The ceiling and floor models can be installed either on the ceiling or on the floor. This saves space when installed in the shops or offices.



* Ceiling & Floor : CV09 NE2 / CV12 NE2

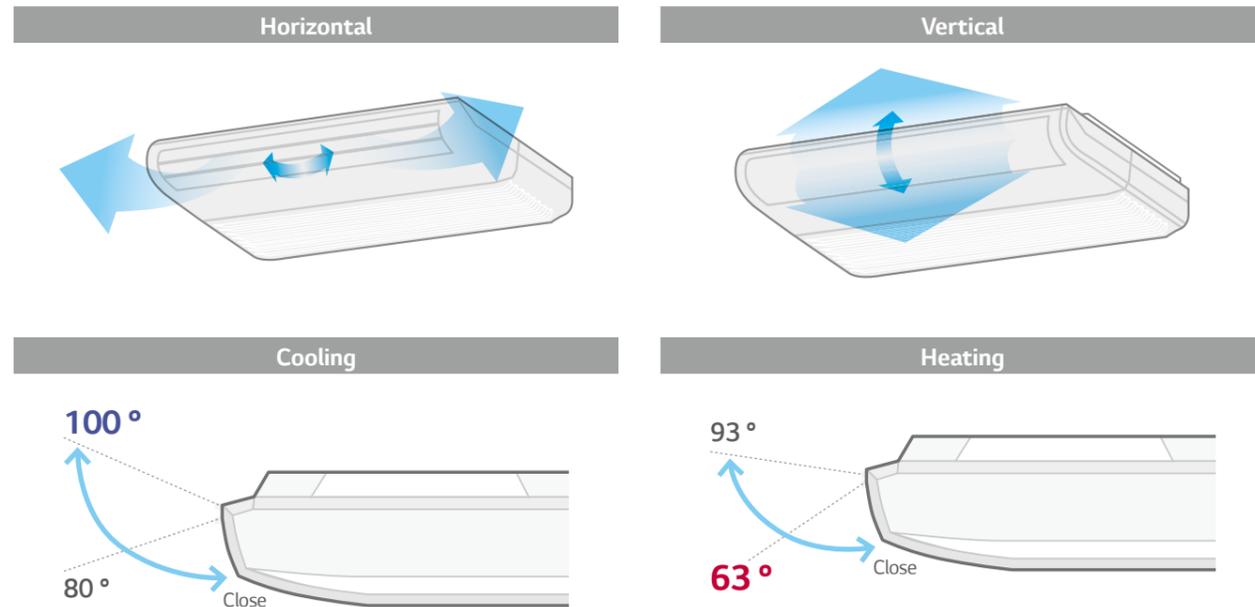
	CAPACITY (KW)	2.6	3.5	5.3	7.0
Ceiling & Floor Convertible unit		CV09 NE2	CV12 NE2	-	-
Ceiling Suspended unit		-	-	CV18 NJ2	CV24 NJ2

INDOOR				CV09 NE2	CV12 NE2
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9
Power Input		Nom	W	30	40
Running Current		Nom	A	0.4	0.4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.6
Sound Pressure	Cooling	H / M / L	dBA	38 / 35 / 32	40 / 36 / 31
Sound Power	Cooling	Max	dBA	52	56
Dehumidification Rate			l/h	1.2	1.2
Dimensions	Body	W x H x D	mm	900 x 490 x 200	900 x 490 x 200
Net Weight	Body		kg	13.7	13.7
Piping	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
Connection	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)

* CV09, CV12, CV18, CV24 are compatible between SCAC and MULTI.

Airflow Direction Control

Vertical airflow direction can be adjusted using remote controller, and horizontal airflow direction can be adjusted manually.



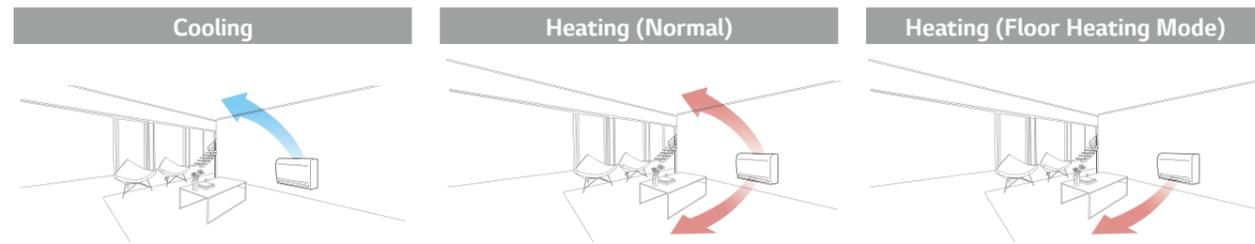
INDOOR				CV18 NJ2	CV24 NJ2
Capacity	Cooling / Heating	Nom	kW	5.3 / 5.8	7.0 / 7.7
Power Input		Nom	W	50	60
Running Current		Nom	A	0.4	0.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	12.4 / 11.4 / 10.4	13.9 / 12.9 / 11.9
Sound Pressure	Cooling	H / M / L	dBA	42 / 40 / 39	44 / 43 / 41
Sound Power	Cooling	Max	dBA	57	61
Dehumidification Rate			l/h	2.3	3.2
Dimensions	Body	W x H x D	mm	950 x 650 x 220	950 x 650 x 220
Net Weight	Body		kg	22.0	23.0
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)

Note : 1. Capacities are based on the following conditions :
 Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero
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CONSOLE

Optimised Air Flow for Cooling & Heating

During the cooling operation, the vane adjusts upwards to direct the air flow towards the ceiling. When heating, the vane directs the warm air downwards to balance the room temperature especially for floor.



Quick Floor Heating

Console air conditioners offer a fast and powerful performance. Using the floor heating mode, console air conditioners provide faster floor heating and help to reach the desired temperature quickly.

	Company A	Electric Heater	LG	LG Floor Heating Mode
Vertical				
Horizontal				
Lead Time for Heating (13°C - 21°C)	12 minutes 30 seconds	50 minutes	9 minutes 30 seconds	8 minutes 40 seconds

(Test Condition :Target Temp 23°C, Indoor Room : 13°C-, Outdoor Room : 7°C)

5-Step Vane Control

There are 5 different stages to control air flow direction.



CAPACITY (KW)		2.6	3.5	5.3
Console		CQ09 NAO	CQ12 NAO	CQ18 NAO

INDOOR				CQ09 NAO
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9
Power Input		Nom	W	20
Running Current		Nom	A	0.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	8.5 / 6.7 / 5.0
Sound Pressure	Cooling	H / M / L	dBA	38 / 32 / 27
Sound Power	Cooling	Max	dBA	53
Dehumidification Rate			l/h	1.2
Dimensions	Body	W x H x D	mm	700 x 600 x 210
Net Weight	Body		kg	14.0
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)

* CQ09, CQ12, CQ18 are compatible between SCAC and MULTI.

INDOOR				CQ12 NAO	CQ18 NAO
Capacity	Cooling / Heating	Nom	kW	3.5 / 3.9	5.3 / 5.8
Power Input		Nom	W	20	40
Running Current		Nom	A	0.6	0.7
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	9.0 / 6.9 / 5.2	10.1 / 8.6 / 7.2
Sound Pressure	Cooling	H / M / L	dBA	39 / 32 / 27	44 / 39 / 35
Sound Power	Cooling	Max	dBA	56	60
Dehumidification Rate			l/h	1.4	2.3
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210
Net Weight	Body		kg	14.0	14.0
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø12.7 (1/2)

Note: 1. Capacities are based on the following conditions:
 Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero
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ACCESSORIES

Distributor Box

PMBD3620, PMBD3630, PMBD3640

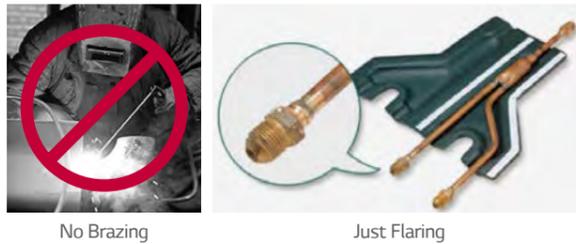
Easy installation using the range of Distributor Boxes.

For	2 Indoors	3 Indoors	4 Indoors
Distributor	 PMBD3620	 PMBD3630	 PMBD3640

Various distributors can make much easier installation for any sites

Features

- Distribution of refrigerant to various indoor units.
- 3 models (2, 3, 4 Indoor Units)
- EEV included
- Controlling PCB inside the unit
- Internally insulated (Prevents any chances of drainage)
- Flare joints for easy and clean installation
- Compact design (Low height)
- Flexible installation



Specification

		PMBD3620	PMBD3630	PMBD3640
Connectable Indoor Units	Number of Indoor Units	1 - 2	1 - 3	1 - 4
	Capacity	5k / 7k / 9k / 12k / 18k / 24k	5k / 7k / 9k / 12k / 18k / 24k	5k / 7k / 9k / 12k / 18k / 24k
Power Source	Ø / V / Hz	1 / 220-240 / 50	1 / 200-240 / 50	1 / 200-240 / 50
Power Consumption	W	10	10	10
Running Current	A	0.05	0.05	0.05
Dimensions	W x H x D	302 x 143 x 252 (11.9 x 5.6 x 9.9)	302 x 143 x 252 (11.9 x 5.6 x 9.9)	302 x 143 x 252 (11.9 x 5.6 x 9.9)
Net Weight	kg/lb	4.8 / 10.6	4.9 / 10.8	5 / 11
Piping Connection (To Outdoor Unit)	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)
Piping Connection (To Indoor Unit)	Liquid	mm (inch)	Ø6.35 (1/4) x 2EA	Ø6.35 (1/4) x 3EA
	Gas	mm (inch)	Ø9.52 (3/8) x 2EA	Ø9.52 (3/8) x 3EA
Accessories	Hanger (Bracket)	EA	4	4
	Screw	EA	8	8
	Manual	EA	1	1

- Note :
1. The piping connection must be suit the piping sizes of the indoor unit which will be connected. (If need, use the connector which is included in the indoor unit)
 2. The BD should be installed inside the building.

Note : Due to our policy of innovation some specifications may be changed without notification.

Y Branch and Branch Kit

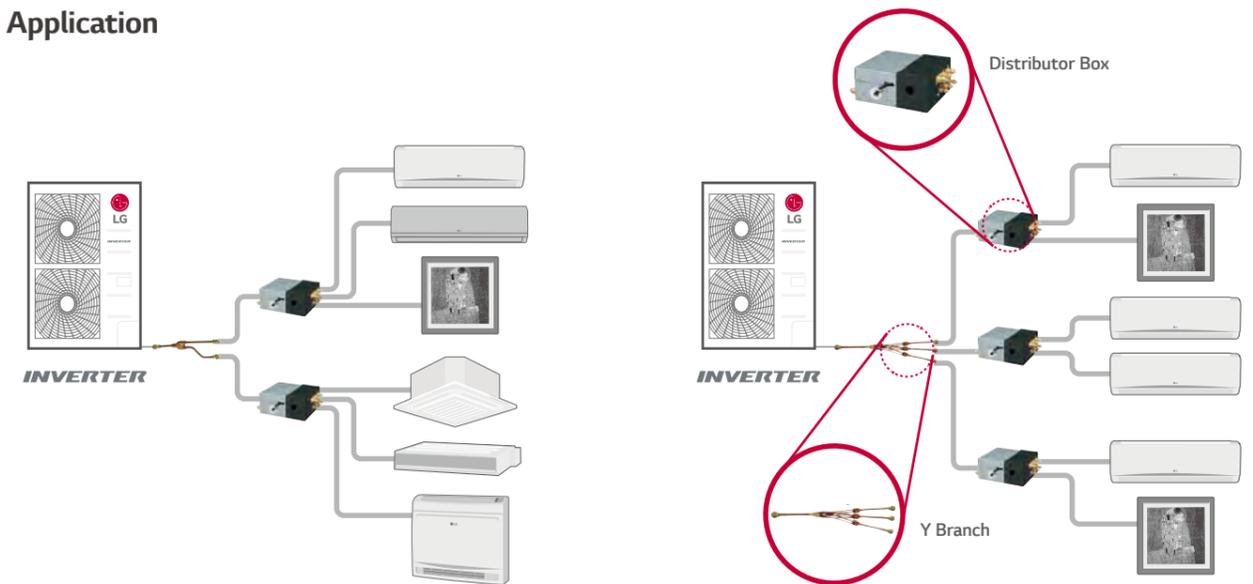
PMBL5620 (2 units) / PMBL1203F0 (3 units)



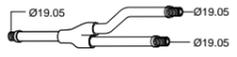
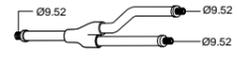
Features

- Y Branch and Branch kit make Multi FDX installation much easier.
- Y Branch and Branch kit for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Application



Accessory Model Name

MODEL NAME	NO. OF BRANCH DISTRIBUTION UNITS	APPLICABLE MODEL	SPECIFICATION	
			GAS	Liquid
PMBL5620	2 Units	1Ø, 3Ø		
PMBL1203F0	3 Units	1Ø, 3Ø		

(Unit : mm)

COMBINATION TABLE

MU2R15 / MU2M15

Operation	Combination (kBtu/h)			Cooling										
				Each Capacity (kW)		Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max
1 UNIT	5		5	1.5	-	3,000	0.9	5,000	1.5	5,750	1.7	229	386	483
	7		7	2.1	-	4,200	1.2	7,000	2.1	8,050	2.4	307	547	692
	9		9	2.6	-	5,400	1.6	9,000	2.6	10,350	3.0	412	684	875
	12		12	3.5	-	7,200	2.1	12,000	3.5	13,800	4.0	547	937	1,190
2 UNIT	5	5	10	1.5	1.5	6,000	1.8	10,000	2.9	11,500	3.4	419	691	900
	5	7	12	1.5	2.1	7,200	2.1	12,000	3.5	13,800	4.0	492	843	1,120
	5	9	14	1.5	2.6	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	7	7	14	2.1	2.1	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	7	9	16	1.8	2.3	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	5	12	17	1.2	2.9	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	9	9	18	2.1	2.1	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	7	12	19	1.5	2.6	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	9	12	21	1.8	2.3	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379

MU2R17 / MU2M17

Operation	Combination (kBtu/h)			Cooling										
				Each Capacity (kW)		Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max
1 UNIT	5		5	1.5	-	3,000	0.9	5,000	1.5	5,750	1.7	229	386	483
	7		7	2.1	-	4,200	1.2	7,000	2.1	8,050	2.4	307	547	692
	9		9	2.6	-	5,400	1.6	9,000	2.6	10,350	3.0	412	684	875
	12		12	3.5	-	7,200	2.1	12,000	3.5	13,800	4.0	547	937	1,190
2 UNIT	15		15	4.2	-	8,520	2.5	14,200	4.2	16,330	4.8	656	1,196	1,588
	5	5	10	1.5	1.5	6,000	1.8	10,000	2.9	11,500	3.4	419	691	900
	5	7	12	1.5	2.1	7,200	2.1	12,000	3.5	13,800	4.0	492	843	1,071
	5	9	14	1.5	2.6	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	7	7	14	2.1	2.1	8,400	2.5	14,000	4.1	16,100	4.7	591	1,000	1,379
	7	9	16	2.1	2.6	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699
	5	12	17	1.4	3.3	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699
	9	9	18	2.3	2.3	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699
	7	12	19	1.7	3.0	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699
	5	15	20	1.2	3.5	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699
	9	12	21	2.0	2.7	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699
	7	15	22	1.5	3.2	9,600	2.8	16,000	4.7	18,400	5.4	665	1,253	1,699

Operation	Combination (kBtu/h)			Heating										
				Each Capacity (kW)		Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max
1 UNIT	5		5	1.6	-	3,300	1.0	5,500	1.6	6,050	1.8	235	380	472
	7		7	2.5	-	5,040	1.5	8,400	2.5	9,240	2.7	355	604	721
	9		9	3.2	-	6,480	1.9	10,800	3.2	11,880	3.5	454	784	949
	12		12	3.9	-	7,920	2.3	13,200	3.9	14,520	4.3	554	969	1,185
2 UNIT	5	5	10	1.6	1.6	6,600	1.9	11,000	3.2	12,100	3.5	408	706	854
	5	7	12	1.6	2.3	7,920	2.3	13,200	3.9	14,520	4.3	498	872	1,066
	5	9	14	1.7	3.0	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	7	7	14	2.3	2.3	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	7	9	16	2.1	2.6	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	5	12	17	1.4	3.3	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	9	9	18	2.3	2.3	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	7	12	19	1.7	3.0	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	9	12	21	2.0	2.7	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451

Operation	Combination (kBtu/h)			Heating										
				Each Capacity (kW)		Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	Total	UNIT-A	UNIT-B	Min		Rated		Max		Min	Rated	Max
1 UNIT	5		5	1.6	-	3,300	1.0	5,500	1.6	6,050	1.8	235	380	472
	7		7	2.5	-	5,040	1.5	8,400	2.5	9,240	2.7	355	604	721
	9		9	3.2	-	6,480	1.9	10,800	3.2	11,880	3.5	454	784	920
	12		12	3.9	-	7,920	2.3	13,200	3.9	14,520	4.3	554	942	1,155
2 UNIT	15		15	4.8	-	9,900	2.9	16,500	4.8	18,150	5.3	706	1,187	1,504
	5	5	10	1.6	1.6	6,600	1.9	11,000	3.2	12,100	3.5	408	706	854
	5	7	12	1.6	2.3	7,920	2.3	13,200	3.9	14,520	4.3	498	872	1,066
	5	9	14	1.7	3.0	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	7	7	14	2.3	2.3	9,600	2.8	16,000	4.7	18,400	5.4	613	1,068	1,451
	7	9	16	2.3	3.0	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652
	5	12	17	1.6	3.7	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652
	9	9	18	2.6	2.6	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652
	7	12	19	1.9	3.3	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652
	5	15	20	1.3	4.0	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652
	9	12	21	2.3	3.0	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652
	7	15	22	1.7	3.6	10,800	3.2	18,000	5.3	19,400	5.7	706	1,197	1,652

COMBINATION TABLE

MU3R19 / MU3M19

Operation	Combination (kBtu/h)				Cooling											
					Each Capacity (kW)			Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A	UNIT-B	UNIT-C	Min		Rated		Max		Min	Rated	Max
1 UNIT	5			5	1.5	-	-	3,600	1.1	5,000	1.5	6,000	1.8	256	388	564
	7			7	2.1	-	-	4,200	1.2	7,000	2.1	8,400	2.5	280	503	667
	9			9	2.6	-	-	5,400	1.6	9,000	2.6	10,800	3.2	378	633	872
	12			12	3.5	-	-	7,200	2.1	12,000	3.5	14,400	4.2	503	875	1,179
	15			15	4.2	-	-	8,520	2.5	14,200	4.2	17,040	5.0	606	1,072	1,366
	18			18	5.3	-	-	10,800	3.2	18,000	5.3	21,600	6.3	793	1,398	1,890
2 UNIT	5	5		10	1.5	1.5	-	6,000	1.8	10,000	2.9	12,000	3.5	406	676	914
	5	7		12	1.5	2.1	-	7,200	2.1	12,000	3.5	14,400	4.2	478	831	1,120
	5	9		14	1.5	2.6	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335
	7	7		14	2.1	2.1	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335
	7	9		16	2.1	2.6	-	9,600	2.8	16,000	4.7	19,200	5.6	651	1,157	1,573
	5	12		17	1.5	3.5	-	10,200	3.0	17,000	5.0	20,400	6.0	702	1,242	1,720
	9	9		18	2.6	2.6	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	7	12		19	1.9	3.3	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	5	15		20	1.3	4.0	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	9	12		21	2.3	3.0	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	7	15		22	1.7	3.6	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	5	18		23	1.1	4.1	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	9	15		24	2.0	3.3	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	12	12		24	2.6	2.6	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	7	18		25	1.5	3.8	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	9	18		27	1.8	3.5	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	12	15		27	2.3	2.9	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
	12	18		30	2.1	3.2	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842
15	15		30	2.6	2.6	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842	
3 UNIT	5	5	5	15	1.5	1.5	1.5	9,000	2.6	15,000	4.4	18,000	5.3	571	1,020	1,388
	5	5	7	17	1.5	1.5	2.1	10,200	3.0	17,000	5.0	20,400	6.0	667	1,180	1,634
	5	5	9	19	1.4	1.4	2.5	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	7	7	19	1.4	1.9	1.9	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	7	9	21	1.3	1.8	2.3	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	7	7	7	21	1.8	1.8	1.8	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	5	12	22	1.2	1.2	2.9	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	9	9	23	1.1	2.1	2.1	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	7	7	9	23	1.6	1.6	2.1	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	7	12	24	1.1	1.5	2.6	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	5	15	25	1.1	1.1	3.2	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	7	9	9	25	1.5	1.9	1.9	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	9	12	26	1.0	1.8	2.4	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	7	7	12	26	1.4	1.4	2.4	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	7	15	27	1.0	1.4	2.9	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	9	9	9	27	1.8	1.8	1.8	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	7	9	12	28	1.3	1.7	2.3	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	9	15	29	0.9	1.6	2.7	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	5	12	12	29	0.9	2.2	2.2	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	7	7	15	29	1.3	1.3	2.7	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745
	9	9	12	30	1.6	1.6	2.1	10,800	3.2	18,000	5.3	21,600	6.3	715	1,262	1,745

Operation	Combination (kBtu/h)				Heating											
					Each Capacity (kW)			Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A	UNIT-B	UNIT-C	Min		Rated		Max		Min	Rated	Max
1 UNIT	5			5	1.6	-	-	4,000	1.2	5,500	1.6	6,325	1.9	265	394	566
	7			7	2.5	-	-	5,040	1.5	8,400	2.5	9,660	2.8	335	575	715
	9			9	3.2	-	-	6,480	1.9	10,800	3.2	12,420	3.6	429	751	941
	12			12	3.9	-	-	7,920	2.3	13,200	3.9	15,180	4.4	526	935	1,178
	15			15	4.8	-	-	9,900	2.9	16,500	4.8	18,975	5.6	675	1,183	1,554
	18			18	5.8	-	-	11,880	3.5	19,800	5.8	22,770	6.7	829	1,472	1,922
2 UNIT	5	5		10	1.8	1.8	-	7,200	2.1	12,000	3.5	13,800	4.0	453	788	1,005
	5	7		12	1.8	2.5	-	8,640	2.5	14,400	4.2	16,560	4.9	546	965	1,265
	5	9		14	1.8	3.2	-	10,080	3.0	16,800	4.9	19,320	5.7	665	1,150	1,508
	7	7		14	2.5	2.5	-	10,080	3.0	16,800	4.9	19,320	5.7	665	1,150	1,508
	7	9		16	2.5	3.2	-	11,520	3.4	19,200	5.6	22,080	6.5	763	1,342	1,761
	5	12		17	1.8	4.2	-	12,240	3.6	20,400	6.0	23,460	6.9	813	1,456	1,892
	9	9		18	3.2	3.2	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	7	12		19	2.3	4.0	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	5	15		20	1.6	4.7	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	9	12		21	2.7	3.6	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	7	15		22	2.0	4.3	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	5	18		23	1.4	5.0	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	9	15		24	2.4	4.0	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	12	12		24	3.2	3.2	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	7	18		25	1.8	4.6	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	9	18		27	2.1	4.2	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	12	15		27	2.8	3.5	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
	12	18		30	2.5	3.8	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087
15	15		30	3.2	3.2	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,542	2,087	
3 UNIT	5	5	5	15	1.8	1.8	1.8	10,800	3.2	18,000	5.3	20,700	6.1	678	1,196	1,551
	5	5	7	17	1.8	1.8	2.5	12,240	3.6	20,400	6.0	23,460	6.9	772	1,383	1,797
	5	5	9	19	1.7	1.7	3.0	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	7	7	19	1.7	2.3	2.3	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	7	9	21	1.5	2.1	2.7	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	7	7	7	21	2.1	2.1	2.1	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	5	12	22	1.4	1.4	3.5	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	9	9	23	1.4	2.5	2.5	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	7	7	9	23	1.9	1.9	2.5	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	7	12	24	1.3	1.8	3.2	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	5	15	25	1.3	1.3	3.8	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	7	9	9	25	1.8	2.3	2.3	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	9	12	26	1.2	2.2	2.9	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	7	7	12	26	1.7	1.7	2.9	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	5	7	15	27	1.2	1.6	3.5	12,960	3.8	21,600	6.3	24,840	7.3	820	1,465	2,001
	9															

COMBINATION TABLE

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Operation	Combination (kBtu/h)				Cooling													
					Each Capacity (kW)			Total Capacity						Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A	UNIT-B	UNIT-C	Min		Rated		Max		Min	Rated	Max		
								Btu/h	kW	Btu/h	kW	Btu/h	kW					
1 UNIT				5	1.5	-	-	3,600	1.1	5,000	1.5	6,000	1.8	256	388	564		
				7	2.1	-	-	4,200	1.2	7,000	2.1	8,400	2.5	280	503	667		
				9	2.6	-	-	5,400	1.6	9,000	2.6	10,800	3.2	378	633	872		
				12	3.5	-	-	7,200	2.1	12,000	3.5	14,400	4.2	503	875	1,179		
				15	4.2	-	-	8,520	2.5	14,200	4.2	17,040	5.0	606	1,072	1,366		
				18	5.3	-	-	10,800	3.2	18,000	5.3	21,600	6.3	793	1,398	1,890		
2 UNIT	5	5		10	1.5	1.5	-	6,000	1.8	10,000	2.9	12,000	3.5	406	676	914		
	5	7		12	1.5	2.1	-	7,200	2.1	12,000	3.5	14,400	4.2	478	831	1,120		
	5	9		14	1.5	2.6	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335		
	7	7		14	2.1	2.1	-	8,400	2.5	14,000	4.1	16,800	4.9	576	991	1,335		
	7	9		16	2.1	2.6	-	9,600	2.8	16,000	4.7	19,200	5.6	651	1,157	1,573		
	5	12		17	1.5	3.5	-	10,200	3.0	17,000	5.0	20,400	6.0	702	1,242	1,720		
	9	9		18	2.6	2.6	-	10,800	3.2	18,000	5.3	21,600	6.3	753	1,328	1,842		
	7	12		19	2.1	3.5	-	11,400	3.3	19,000	5.6	22,800	6.7	779	1,430	2,039		
	5	15		20	1.5	4.4	-	12,000	3.5	20,000	5.9	23,100	6.8	831	1,530	2,091		
	9	12		21	2.6	3.5	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	7	15		22	2.0	4.2	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	5	18		23	1.3	4.8	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	9	15		24	2.3	3.8	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	12	12		24	3.1	3.1	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	7	18		25	1.7	4.4	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	9	18		27	2.1	4.1	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	12	15		27	2.7	3.4	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
	12	18		30	2.5	3.7	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091		
15	15		30	3.1	3.1	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091			
15	18		33	2.8	3.4	-	12,600	3.7	21,000	6.2	23,100	6.8	884	1,632	2,091			
3 UNIT	5	5	5	15	1.5	1.5	1.5	9,000	2.6	15,000	4.4	18,000	5.3	571	1,020	1,388		
	5	5	7	17	1.5	1.5	2.1	10,200	3.0	17,000	5.0	20,400	6.0	667	1,180	1,634		
	5	5	9	19	1.5	1.5	2.6	11,400	3.3	19,000	5.6	22,800	6.7	740	1,359	1,908		
	5	7	7	19	1.5	2.1	2.1	11,400	3.3	19,000	5.6	22,800	6.7	740	1,359	1,908		
	5	7	9	21	1.5	2.1	2.6	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	7	7	21	2.1	2.1	2.1	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	5	12	22	1.4	1.4	3.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	9	9	23	1.3	2.4	2.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	7	9	23	1.9	1.9	2.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	7	12	24	1.3	1.8	3.1	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	5	15	25	1.2	1.2	3.7	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	9	9	25	1.7	2.2	2.2	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	9	12	26	1.2	2.1	2.8	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	7	12	26	1.7	1.7	2.8	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	7	15	27	1.1	1.6	3.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	9	9	9	27	2.1	2.1	2.1	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	5	18	28	1.1	1.1	4.0	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	9	12	28	1.5	2.0	2.6	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	9	15	29	1.1	1.9	3.2	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	12	12	29	1.1	2.5	2.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	7	15	29	1.5	1.5	3.2	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	7	18	30	1.0	1.4	3.7	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	9	9	12	30	1.8	1.8	2.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	9	15	31	1.4	1.8	3.0	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	7	12	12	31	1.4	2.4	2.4	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	12	15	32	1.0	2.3	2.9	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
	5	9	18	32	1.0	1.7	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169		
7	7	18	32	1.3	1.3	3.5	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
9	9	15	33	1.7	1.7	2.8	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			
9	12	12	33	1.7	2.2	2.2	12,600	3.7	21,000	6.2	25,000	7.3	840	1,550	2,169			

Operation	Combination (kBtu/h)				Heating													
					Each Capacity (kW)			Total Capacity						Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A	UNIT-B	UNIT-C	Min		Rated		Max		Min	Rated	Max		
								Btu/h	kW	Btu/h	kW	Btu/h	kW					
1 UNIT				5	1.6	-	-	4,000	1.2	5,500	1.6	6,325	1.9	265	394	566		
				7	2.5	-	-	5,040	1.5	8,400	2.5	9,660	2.8	335	575	715		
				9	3.2	-	-	6,480	1.9	10,800	3.2	12,420	3.6	429	751	941		
				12	3.9	-	-	7,920	2.3	13,200	3.9	15,180	4.4	526	935	1,178		
				15	4.8	-	-	9,900	2.9	16,500	4.8	18,975	5.6	675	1,183	1,554		
				18	5.8	-	-	11,880	3.5	19,800	5.8	22,770	6.7	829	1,472	1,922		
2 UNIT	5	5		10	1.8	1.8	-	7,200	2.1	12,000	3.5	13,800	4.0	453	788	1,005		
	5	7		12	1.8	2.5	-	8,640	2.5	14,400	4.2	16,560	4.9	546	965	1,265		
	5	9		14	1.8	3.2	-	10,080	3.0	16,800	4.9	19,320	5.7	665	1,150	1,508		
	7	7		14	2.5	2.5	-	10,080	3.0	16,800	4.9	19,320	5.7	665	1,150	1,508		
	7	9		16	2.5	3.2	-	11,520	3.4	19,200	5.6	22,080	6.5	763	1,342	1,761		
	5	12		17	1.8	4.2	-	12,240	3.6	20,400	6.0	23,460	6.9	813	1,399	1,892		
	9	9		18	3.2	3.2	-	12,960	3.8	21,600	6.3	24,840	7.3	863	1,484	2,087		
	7	12		19	2.4	4.1	-	13,320	3.9	22,200	6.5	25,530	7.5	888	1,542	2,196		
	5	15		20	1.7	5.0	-	13,740	4.0	22,900	6.7	26,335	7.7	914	1,601	2,310		
	9	12		21	3.0	4.0	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	7	15		22	2.2	4.8	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	5	18		23	1.5	5.5	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	9	15		24	2.6	4.4	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	12	12		24	3.5	3.5	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	7	18		25	2.0	5.1	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	9	18		27	2.3	4.7	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	12	15		27	3.1	3.9	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
	12	18		30	2.8	4.2	-	14,400	4.2	24,000	7.0	26,500	7.8	965	1,690	2,368		
15	15																	

COMBINATION TABLE

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Operation	Combination (kBtu/h)					Cooling												
						Each Capacity (kW)				Total Capacity				Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max			
1 UNIT	5				5	1.5	-	-	-	4,500	1.3	5,000	1.5	6,000	1.8	416	467	684
	7				7	2.1	-	-	-	4,800	1.4	7,000	2.1	8,400	2.5	416	551	741
	9				9	2.6	-	-	-	5,400	1.6	9,000	2.6	10,800	3.2	416	689	961
	12				12	3.5	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	551	944	1,287
	15				15	4.2	-	-	-	8,520	2.5	14,200	4.2	17,040	5.0	661	1,149	1,557
	18				18	5.3	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	858	1,482	2,013
	24				24	7.0	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,149	2,026	2,830
	5	5			10	1.5	1.5	-	-	6,000	1.8	10,000	2.9	12,000	3.5	423	696	952
	5	7			12	1.5	2.1	-	-	7,200	2.1	12,000	3.5	14,400	4.2	496	850	1,158
	5	9			14	1.5	2.6	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,034	1,370
	7	7			14	2.1	2.1	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,034	1,370
	7	9			16	2.1	2.6	-	-	9,600	2.8	16,000	4.7	19,200	5.6	670	1,196	1,588
5	12			17	1.5	3.5	-	-	10,200	3.0	17,000	5.0	20,400	6.0	721	1,279	1,715	
9	9			18	2.6	2.6	-	-	10,800	3.2	18,000	5.3	21,600	6.3	772	1,362	1,812	
7	12			19	2.1	3.5	-	-	11,400	3.3	19,000	5.6	22,800	6.7	798	1,446	1,943	
5	15			20	1.5	4.4	-	-	12,000	3.5	20,000	5.9	24,000	7.0	850	1,532	2,042	
9	12			21	2.6	3.5	-	-	12,600	3.7	21,000	6.2	24,150	7.1	902	1,618	2,089	
7	15			22	2.1	4.4	-	-	13,200	3.9	22,000	6.4	25,300	7.4	955	1,676	2,230	
5	18			23	1.5	5.3	-	-	13,800	4.0	23,000	6.7	26,450	7.8	981	1,764	2,426	
9	15			24	2.6	4.4	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
12	12			24	3.5	3.5	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
7	18			25	2.0	5.1	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
9	18			27	2.3	4.7	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
12	15			27	3.1	3.9	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
5	24			29	1.2	5.8	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
12	18			30	2.8	4.2	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,865	2,756	
15	15			30	3.5	3.5	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
7	24			31	1.6	5.4	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
9	24			33	1.9	5.1	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
15	18			33	3.2	3.8	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
18	18			36	3.5	3.5	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
12	24			36	2.3	4.7	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,034	1,865	2,814	
5	5	5		15	1.5	1.5	1.5	-	9,000	2.6	15,000	4.4	18,000	5.3	583	1,023	1,405	
5	5	7		17	1.5	1.5	2.1	-	10,200	3.0	17,000	5.0	20,400	6.0	678	1,176	1,613	
5	5	9		19	1.5	1.5	2.6	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7	7		19	1.5	2.1	2.1	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7	9		21	1.5	2.1	2.6	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
7	7	7		21	2.1	2.1	2.1	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
5	5	12		22	1.5	1.5	3.5	-	13,200	3.9	22,000	6.4	26,400	7.7	897	1,548	2,234	
5	9	9		23	1.5	2.6	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
7	7	9		23	2.1	2.1	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
5	7	12		24	1.5	2.1	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	5	15		25	1.4	1.4	4.2	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	9	9		25	2.0	2.5	2.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	9	12		26	1.4	2.4	3.2	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	7	12		26	1.9	1.9	3.2	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	7	15		27	1.3	1.8	3.9	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
9	9	9		27	2.3	2.3	2.3	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	9	12		28	1.8	2.3	3.0	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	5	18		28	1.3	1.3	4.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	9	15		29	1.2	2.2	3.6	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	12	12		29	1.2	2.9	2.9	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	7	15		29	1.7	1.7	3.6	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	7	18		30	1.2	1.6	4.2	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
9	9	12		30	2.1	2.1	2.8	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
7	9	15		31	1.6	2.0	3.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	12	12		31	1.6	2.7	2.7	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	12	15		32	1.1	2.6	3.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	9	18		32	1.1	2.0	4.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	7	18		32	1.5	1.5	4.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	9	15		33	1.9	1.9	3.2	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	12	12		33	1.9	2.6	2.6	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	9	18		34	1.4	1.9	3.7	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	12	15		34	1.4	2.5	3.1	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	5	24		34	1.0	1.0	5.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	12	18		35	1.0	2.4	3.6	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	15	15		35	1.0	3.0	3.0	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	7	24		36	1.0	1.4	4.7	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	12	15		36	1.8	2.3	2.9	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
12	12	12		36	2.3	2.3	2.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	9	18		36	1.8	1.8	3.5	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	12	18		37	1.3	2.3	3.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	15	15		37	1.3	2.9	2.9	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	9	24		38	0.9	1.7	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
5	15	18		38	0.9	2.8	3.3	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
7	7	24		38	1.3	1.3	4.4	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	12	18		39	1.6	2.2	3.2	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
9	15	15		39	1.6	2.7	2.7	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	
12	12	15		39	2.2	2.2	2.7	-	14,400	4.2	24,000	7.0	29,000	8.5	972	1,714	2,677	

Operation	Combination (kBtu/h)					Cooling											
						Each Capacity (kW)				Total Capacity				Total Input (W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max		
4 UNIT	5	5	5	5	20	1.5	1.5	1.5	1.5	12,000	3.5	20,000	5.9	24,000	7.0		

COMBINATION TABLE

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Operation	Combination (kBtu/h)					Heating												
						Each Capacity (kW)				Total Capacity				Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max			
1 UNIT	5				5	1.6	-	-	-	5,000	1.5	5,500	1.6	6,325	1.9	610	610	747
	7				7	2.5	-	-	-	5,500	1.6	8,400	2.5	9,660	2.8	610	665	862
	9				9	3.2	-	-	-	6,480	1.9	10,800	3.2	12,420	3.6	610	864	1,126
	12				12	3.9	-	-	-	7,920	2.3	13,200	3.9	15,180	4.4	610	1,067	1,399
	15				15	4.8	-	-	-	9,900	2.9	16,500	4.8	18,975	5.6	778	1,337	1,823
	18				18	5.8	-	-	-	11,880	3.5	19,800	5.8	22,770	6.7	950	1,649	2,230
	24				24	7.4	-	-	-	15,240	4.5	25,400	7.4	26,670	7.8	1,246	2,172	2,654
	5	5			10	1.8	1.8	-	-	7,200	2.1	12,000	3.5	14,400	4.2	471	808	1,130
	5	7			12	1.8	2.5	-	-	8,640	2.5	14,400	4.2	17,280	5.1	566	983	1,397
	5	9			14	1.8	3.2	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643
7	7			14	2.5	2.5	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643	
7	9			16	2.5	3.2	-	-	11,520	3.4	19,200	5.6	23,040	6.8	783	1,348	1,928	
5	12			17	1.8	4.2	-	-	12,240	3.6	20,400	6.0	24,480	7.2	832	1,456	2,057	
9	9			18	3.2	3.2	-	-	12,960	3.8	21,600	6.3	25,920	7.6	882	1,537	2,189	
7	12			19	2.5	4.2	-	-	13,680	4.0	22,800	6.7	27,360	8.0	932	1,648	2,323	
5	15			20	1.8	5.3	-	-	14,400	4.2	24,000	7.0	28,800	8.4	983	1,732	2,459	
9	12			21	3.2	4.2	-	-	15,120	4.4	25,200	7.4	30,240	8.9	1,034	1,846	2,644	
7	15			22	2.5	5.3	-	-	15,840	4.6	26,400	7.7	31,680	9.3	1,085	1,932	2,877	
5	18			23	1.8	6.3	-	-	16,560	4.9	27,600	8.1	32,000	9.4	1,163	2,049	2,955	
9	15			24	3.2	5.3	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	12			24	4.2	4.2	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
7	18			25	2.4	6.1	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
9	18			27	2.8	5.6	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	15			27	3.8	4.7	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
5	24			29	1.5	7.0	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	18			30	3.4	5.1	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
15	15			30	4.2	4.2	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
7	24			31	1.9	6.5	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
9	24			33	2.3	6.1	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
15	18			33	3.8	4.6	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
18	18			36	4.2	4.2	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
12	24			36	2.8	5.6	-	-	17,280	5.1	28,800	8.4	32,000	9.4	1,215	2,138	2,955	
5	5	5		15	1.8	1.8	1.8	-	10,800	3.2	18,000	5.3	21,600	6.3	690	1,192	1,662	
5	5	7		17	1.8	1.8	2.5	-	12,240	3.6	20,400	6.0	24,480	7.2	782	1,368	1,934	
5	5	9		19	1.8	1.8	3.2	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183	
5	7	7		19	1.8	2.5	2.5	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183	
5	7	9		21	1.8	2.5	3.2	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486	
7	7	7		21	2.5	2.5	2.5	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486	
5	5	12		22	1.8	1.8	4.2	-	15,840	4.6	26,400	7.7	31,680	9.3	1,020	1,817	2,650	
5	9	9		23	1.8	3.2	3.2	-	16,560	4.9	27,600	8.1	32,000	9.4	1,093	1,926	2,694	
7	7	9		23	2.5	2.5	3.2	-	16,560	4.9	27,600	8.1	32,000	9.4	1,093	1,926	2,694	
5	7	12		24	1.8	2.5	4.2	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	5	15		25	1.7	1.7	5.1	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	9		25	2.4	3.0	3.0	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	12		26	1.6	2.9	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	12		26	2.3	2.3	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	7	15		27	1.6	2.2	4.7	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	9		27	2.8	2.8	2.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	12		28	2.1	2.7	3.6	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	5	18		28	1.5	1.5	5.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	15		29	1.5	2.6	4.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	12	12		29	1.5	3.5	3.5	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	15		29	2.0	2.0	4.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	7	18		30	1.4	2.0	5.1	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	12		30	2.5	2.5	3.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	15		31	1.9	2.5	4.1	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	12	12		31	1.9	3.3	3.3	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	12	15		32	1.3	3.2	4.0	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	18		32	1.3	2.4	4.7	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	18		32	1.8	1.8	4.7	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	15		33	2.3	2.3	3.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	12	12		33	2.3	3.1	3.1	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	9	18		34	1.7	2.2	4.5	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	12	15		34	1.7	3.0	3.7	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	5	24		34	1.2	1.2	6.0	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	12	18		35	1.2	2.9	4.3	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	15	15		35	1.2	3.6	3.6	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	7	24		36	1.2	1.6	5.6	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	12	15		36	2.1	2.8	3.5	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
12	12	12		36	2.8	2.8	2.8	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	9	18		36	2.1	2.1	4.2	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	12	18		37	1.6	2.7	4.1	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	15	15		37	1.6	3.4	3.4	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	9	24		38	1.1	2.0	5.3	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
5	15	18		38	1.1	3.3	4.0	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
7	7	24		38	1.6	1.6	5.3	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	12	18		39	1.9	2.6	3.9	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
9	15	15		39	1.9	3.2	3.2	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	
12	12	15		39	2.6	2.6	3.2	-	17,280	5.1	28,800	8.4	32,000	9.4	1,142	2,010	2,694	

Operation	Combination (kBtu/h)					Heating											
						Each Capacity (kW)				Total Capacity				Total Input (W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max		
1 UNIT	5																

COMBINATION TABLE

MU4R25 / MU4M25

Operation	Combination (kBtu/h)					Heating												
						Each Capacity (kW)				Total Capacity				Total Input (W)				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min		Rated		Max		Min	Rated	Max
									Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
1 UNIT	5				5	1.6	-	-	-	5,000	1.5	5,500	1.6	6325	1.9	610	610	747
	7				7	2.5	-	-	-	5,500	1.6	8,400	2.5	9660	2.8	610	665	862
	9				9	3.2	-	-	-	6,480	1.9	10,800	3.2	12420	3.6	610	864	1,126
	12				12	3.9	-	-	-	7,920	2.3	13,200	3.9	15180	4.4	610	1,067	1,399
	15				15	4.8	-	-	-	9,900	2.9	16,500	4.8	18975	5.6	778	1,337	1,823
	18				18	5.8	-	-	-	11,880	3.5	19,800	5.8	22770	6.7	950	1,649	2,230
	24				24	7.4	-	-	-	15,240	4.5	25,400	7.4	26670	7.8	1,246	2,172	2,654
	5	5			10	1.8	1.8	-	-	7,200	2.1	12,000	3.5	14400	4.2	471	808	1,130
	5	7			12	1.8	2.5	-	-	8,640	2.5	14,400	4.2	17280	5.1	566	983	1,397
	5	9			14	1.8	3.2	-	-	10,080	3.0	16,800	4.9	20160	5.9	685	1,163	1,643
7	7			14	2.5	2.5	-	-	10,080	3.0	16,800	4.9	20160	5.9	685	1,163	1,643	
7	9			16	2.5	3.2	-	-	11,520	3.4	19,200	5.6	23040	6.8	783	1,348	1,928	
5	12			17	1.8	4.2	-	-	12,240	3.6	20,400	6.0	24480	7.2	832	1,456	2,057	
9	9			18	3.2	3.2	-	-	12,960	3.8	21,600	6.3	25920	7.6	882	1,537	2,189	
7	12			19	2.5	4.2	-	-	13,680	4.0	22,800	6.7	27360	8.0	932	1,648	2,323	
5	15			20	1.8	5.3	-	-	14,400	4.2	24,000	7.0	28800	8.4	983	1,732	2,459	
9	12			21	3.2	4.2	-	-	15,120	4.4	25,200	7.4	30240	8.9	1,034	1,846	2,644	
7	15			22	2.5	5.3	-	-	15,840	4.6	26,400	7.7	31680	9.3	1,085	1,932	2,877	
5	18			23	1.8	6.3	-	-	16,560	4.9	27,600	8.1	32000	9.4	1,163	2,049	2,955	
9	15			24	3.2	5.3	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
12	12			24	4.2	4.2	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
7	18			25	2.4	6.1	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
9	18			27	2.8	5.6	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
12	15			27	3.8	4.7	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
5	24			29	1.5	7.0	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
12	18			30	3.4	5.1	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
15	15			30	4.2	4.2	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
7	24			31	1.9	6.5	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
9	24			33	2.3	6.1	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
15	18			33	3.8	4.6	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
18	18			36	4.2	4.2	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
12	24			36	2.8	5.6	-	-	17,280	5.1	28,800	8.4	32000	9.4	1,215	2,138	2,955	
5	5	5		15	1.8	1.8	1.8	-	10,800	3.2	18,000	5.3	21600	6.3	690	1,192	1,662	
5	5	7		17	1.8	1.8	2.5	-	12,240	3.6	20,400	6.0	24480	7.2	782	1,368	1,934	
5	5	9		19	1.8	1.8	3.2	-	13,680	4.0	22,800	6.7	27360	8.0	876	1,549	2,183	
5	7	7		19	1.8	2.5	2.5	-	13,680	4.0	22,800	6.7	27360	8.0	876	1,549	2,183	
5	7	9		21	1.8	2.5	3.2	-	15,120	4.4	25,200	7.4	30240	8.9	972	1,735	2,486	
7	7	7		21	2.5	2.5	2.5	-	15,120	4.4	25,200	7.4	30240	8.9	972	1,735	2,486	
5	5	12		22	1.8	1.8	4.2	-	15,840	4.6	26,400	7.7	31680	9.3	1,020	1,817	2,650	
5	9	9		23	1.8	3.2	3.2	-	16,560	4.9	27,600	8.1	32000	9.4	1,093	1,926	2,694	
7	7	9		23	2.5	2.5	3.2	-	16,560	4.9	27,600	8.1	32000	9.4	1,093	1,926	2,694	
5	7	12		24	1.8	2.5	4.2	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	5	15		25	1.7	1.7	5.1	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	9	9		25	2.4	3.0	3.0	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	9	12		26	1.6	2.9	3.9	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	7	12		26	2.3	2.3	3.9	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	7	15		27	1.6	2.2	4.7	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	9	9		27	2.8	2.8	2.8	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	9	12		28	2.1	2.7	3.6	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	5	18		28	1.5	1.5	5.4	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	9	15		29	1.5	2.6	4.4	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	12	12		29	1.5	3.5	3.5	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	7	15		29	2.0	2.0	4.4	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	7	18		30	1.4	2.0	5.1	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	9	12		30	2.5	2.5	3.4	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	9	15		31	1.9	2.5	4.1	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	12	12		31	1.9	3.3	3.3	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	12	15		32	1.3	3.2	4.0	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	9	18		32	1.3	2.4	4.7	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	7	18		32	1.8	1.8	4.7	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	9	15		33	2.3	2.3	3.8	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	12	12		33	2.3	3.1	3.1	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	9	18		34	1.7	2.2	4.5	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	12	15		34	1.7	3.0	3.7	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	5	24		34	1.2	1.2	6.0	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	12	18		35	1.2	2.9	4.3	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	15	15		35	1.2	3.6	3.6	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	7	24		36	1.2	1.6	5.6	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	12	15		36	2.1	2.8	3.5	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
12	12	12		36	2.8	2.8	2.8	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	9	18		36	2.1	2.1	4.2	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	12	18		37	1.6	2.7	4.1	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	15	15		37	1.6	3.4	3.4	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	9	24		38	1.1	2.0	5.3	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
5	15	18		38	1.1	3.3	4.0	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
7	7	24		38	1.6	1.6	5.3	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	12	18		39	1.9	2.6	3.9	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
9	15	15		39	1.9	3.2	3.2	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	
12	12	15		39	2.6	2.6	3.2	-	17,280	5.1	28,800	8.4	32000	9.4	1,142	2,010	2,694	

Operation	Combination (kBtu/h)					Heating											
						Each Capacity (kW)				Total Capacity				Total Input (W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min		Rated		Max		Min	Rated

COMBINATION TABLE

MU4R27 / MU4M27

Operation	Combination (kBtu/h)					Cooling												
						Each Capacity (kW)				Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max			
1 UNIT	5				5	1.5	-	-	-	4,500	1.3	5,000	1.5	6,000	1.8	416	467	684
	7				7	2.1	-	-	-	4,800	1.4	7,000	2.1	8,400	2.5	416	551	741
	9				9	2.6	-	-	-	5,400	1.6	9,000	2.6	10,800	3.2	416	689	961
	12				12	3.5	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	551	944	1,287
	15				15	4.2	-	-	-	8,520	2.5	14,200	4.2	17,040	5.0	661	1,149	1,557
	18				18	5.3	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	858	1,482	2,013
	24				24	7.0	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,149	2,026	2,830
	5	5			10	1.5	1.5	-	-	6,000	1.8	10,000	2.9	12,000	3.5	423	696	952
	5	7			12	1.5	2.1	-	-	7,200	2.1	12,000	3.5	14,400	4.2	496	850	1,158
	5	9			14	1.5	2.6	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
2 UNIT	5	5			10	1.5	1.5	-	-	6,000	1.8	10,000	2.9	12,000	3.5	423	696	952
	5	7			12	1.5	2.1	-	-	7,200	2.1	12,000	3.5	14,400	4.2	496	850	1,158
	5	9			14	1.5	2.6	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
	7	7			14	2.1	2.1	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
	7	9			16	2.1	2.6	-	-	9,600	2.8	16,000	4.7	19,200	5.6	670	1,169	1,588
	5	12			17	1.5	3.5	-	-	10,200	3.0	17,000	5.0	20,400	6.0	721	1,251	1,715
	9	9			18	2.6	2.6	-	-	10,800	3.2	18,000	5.3	21,600	6.3	772	1,334	1,812
	7	12			19	2.1	3.5	-	-	11,400	3.3	19,000	5.6	22,800	6.7	798	1,418	1,943
	5	15			20	1.5	4.4	-	-	12,000	3.5	20,000	5.9	24,000	7.0	850	1,503	2,042
	9	12			21	2.6	3.5	-	-	12,600	3.7	21,000	6.2	25,200	7.4	902	1,589	2,230
	7	15			22	2.1	4.4	-	-	13,200	3.9	22,000	6.4	26,400	7.7	955	1,647	2,376
	5	18			23	1.5	5.3	-	-	13,800	4.0	23,000	6.7	27,600	8.1	981	1,734	2,586
	9	15			24	2.6	4.4	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756
	12	12			24	3.5	3.5	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756
	7	18			25	2.1	5.3	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,088	1,948	2,993
	9	18			27	2.6	5.3	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	12	15			27	3.5	4.4	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	5	24			29	1.4	6.5	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	12	18			30	3.2	4.7	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	15	15			30	4.0	4.0	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	7	24			31	1.8	6.1	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	9	24			33	2.2	5.8	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	15	18			33	3.6	4.3	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	18	18			36	4.0	4.0	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	12	24			36	2.6	5.3	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	15	24			39	3.0	4.9	-	-	16,200	4.7	27,000	7.9	31,050	9.1	1,169	2,212	3,180
	5	5	5		15	1.5	1.5	1.5	-	9,000	2.6	15,000	4.4	18,000	5.3	583	1,023	1,405
	5	5	7		17	1.5	1.5	2.1	-	10,200	3.0	17,000	5.0	20,400	6.0	678	1,176	1,613
	5	5	9		19	1.5	1.5	2.6	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826
	5	7	7		19	1.5	2.1	2.1	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826
	5	7	9		21	1.5	2.1	2.6	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096
	7	7	7		21	2.1	2.1	2.1	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096
	5	5	12		22	1.5	1.5	3.5	-	13,200	3.9	22,000	6.4	26,400	7.7	897	1,548	2,234
	5	9	9		23	1.5	2.6	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441
	7	7	9		23	2.1	2.1	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441
	5	7	12		24	1.5	2.1	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617
	5	5	15		25	1.5	1.5	4.4	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,865
	7	9	9		25	2.1	2.6	2.6	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,865
	5	9	12		26	1.5	2.6	3.5	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063
	7	7	12		26	2.1	2.1	3.5	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063
5	7	15		27	1.5	2.1	4.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	9		27	2.6	2.6	2.6	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	9	12		28	2.0	2.5	3.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	5	18		28	1.4	1.4	5.1	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	9	15		29	1.4	2.5	4.1	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	12	12		29	1.4	3.3	3.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	7	15		29	1.9	1.9	4.1	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	7	18		30	1.3	1.8	4.7	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	12		30	2.4	2.4	3.2	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	9	15		31	1.8	2.3	3.8	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	12	12		31	1.8	3.1	3.1	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	12	15		32	1.2	3.0	3.7	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	9	18		32	1.2	2.2	4.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	7	18		32	1.7	1.7	4.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	15		33	2.2	2.2	3.6	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	12	12		33	2.2	2.9	2.9	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	9	18		34	1.6	2.1	4.2	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	12	15		34	1.6	2.8	3.5	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	5	24		34	1.2	1.2	5.6	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	12	18		35	1.1	2.7	4.1	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	15	15		35	1.1	3.4	3.4	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	7	24		36	1.1	1.5	5.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	12	15		36	2.0	2.6	3.3	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
12	12	12		36	2.6	2.6	2.6	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	9	18		36	2.0	2.0	4.0	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	12	18		37	1.5	2.6	3.8	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	15	15		37	1.5	3.2	3.2	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	9	24		38	1.0	1.9	5.0	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
5	15	18		38	1.0	3.1	3.7	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
7	7	24		38	1.5	1.5	5.0	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	12	18		39	1.8	2.4	3.7	-	16,200	4.7	27,000	7.9	31,050	9.1	1,099	2,079	3,063	
9	15	15																

COMBINATION TABLE

MU4R27 / MU4M27

Operation	Combination (kBtu/h)					Heating													
						Each Capacity (kW)				Total Capacity						Total Input (W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Min	Rated	Max	Min	Rated	Max				
1 UNIT	5	-	-	-	5	1.6	-	-	-	5,000	1.5	5,500	1.6	6,325	1.9	610	610	747	
	7	-	-	-	7	2.5	-	-	-	5,400	1.6	8,400	2.5	9,660	2.8	610	665	862	
	9	-	-	-	9	3.2	-	-	-	6,480	1.9	10,800	3.2	12,420	3.6	610	864	1,126	
	12	-	-	-	12	3.9	-	-	-	7,920	2.3	13,200	3.9	15,180	4.4	610	1,067	1,399	
	15	-	-	-	15	4.8	-	-	-	9,900	2.9	16,500	4.8	18,975	5.6	778	1,337	1,823	
2 UNIT	18	-	-	-	18	5.8	-	-	-	11,880	3.5	19,800	5.8	22,770	6.7	950	1,649	2,230	
	24	-	-	-	24	7.4	-	-	-	15,240	4.5	25,400	7.4	26,670	7.8	1,246	2,172	2,654	
	5	5	-	-	10	1.8	1.8	-	-	7,200	2.1	12,000	3.5	14,400	4.2	471	808	1,130	
	5	7	-	-	12	1.8	2.5	-	-	8,640	2.5	14,400	4.2	17,280	5.1	566	983	1,397	
	5	9	-	-	14	1.8	3.2	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643	
	7	7	-	-	14	2.5	2.5	-	-	10,080	3.0	16,800	4.9	20,160	5.9	685	1,163	1,643	
	7	9	-	-	16	2.5	3.2	-	-	11,520	3.4	19,200	5.6	23,040	6.8	783	1,348	1,928	
	5	12	-	-	17	1.8	4.2	-	-	12,240	3.6	20,400	6.0	24,480	7.2	832	1,456	2,057	
	9	9	-	-	18	3.2	3.2	-	-	12,960	3.8	21,600	6.3	25,920	7.6	882	1,537	2,189	
	7	12	-	-	19	2.5	4.2	-	-	13,680	4.0	22,800	6.7	27,360	8.0	932	1,648	2,323	
	5	15	-	-	20	1.8	5.3	-	-	14,400	4.2	24,000	7.0	28,800	8.4	983	1,732	2,459	
	9	12	-	-	21	3.2	4.2	-	-	15,120	4.4	25,200	7.4	30,240	8.9	1,034	1,846	2,644	
	7	15	-	-	22	2.5	5.3	-	-	15,840	4.6	26,400	7.7	31,680	9.3	1,085	1,932	2,877	
	5	18	-	-	23	1.8	6.3	-	-	16,560	4.9	27,600	8.1	33,120	9.7	1,163	2,049	3,200	
	9	15	-	-	24	3.2	5.3	-	-	17,280	5.1	28,800	8.4	34,100	10.0	1,228	2,138	3,463	
	12	12	-	-	24	4.2	4.2	-	-	17,280	5.1	28,800	8.4	34,100	10.0	1,228	2,138	3,463	
	7	18	-	-	25	2.5	6.3	-	-	18,000	5.3	30,000	8.8	34,100	10.0	1,280	2,267	3,463	
	9	18	-	-	27	3.0	6.1	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	12	15	-	-	27	4.0	5.0	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	5	24	-	-	29	1.6	7.5	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	12	18	-	-	30	3.6	5.5	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	15	15	-	-	30	4.5	4.5	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	7	24	-	-	31	2.1	7.0	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	9	24	-	-	33	2.5	6.6	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	15	18	-	-	33	4.1	5.0	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	18	18	-	-	36	4.5	4.5	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	12	24	-	-	36	3.0	6.1	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	15	24	-	-	39	3.5	5.6	-	-	18,600	5.5	31,000	9.1	34,100	10.0	1,333	2,234	3,463	
	3 UNIT	5	5	5	-	15	1.8	1.8	1.8	-	10,800	3.2	18,000	5.3	21,600	6.3	690	1,192	1,662
		5	5	7	-	17	1.8	1.8	2.5	-	12,240	3.6	20,400	6.0	24,480	7.2	782	1,368	1,934
		5	5	9	-	19	1.8	1.8	3.2	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183
		5	7	7	-	19	1.8	2.5	2.5	-	13,680	4.0	22,800	6.7	27,360	8.0	876	1,549	2,183
		5	7	9	-	21	1.8	2.5	3.2	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486
		7	7	7	-	21	2.5	2.5	2.5	-	15,120	4.4	25,200	7.4	30,240	8.9	972	1,735	2,486
		5	5	12	-	22	1.8	1.8	4.2	-	15,840	4.6	26,400	7.7	31,680	9.3	1,020	1,817	2,650
		5	9	9	-	23	1.8	3.2	3.2	-	16,560	4.9	27,600	8.1	33,120	9.7	1,093	1,926	2,831
		7	7	9	-	23	2.5	2.5	3.2	-	16,560	4.9	27,600	8.1	33,120	9.7	1,093	1,926	2,831
		5	7	12	-	24	1.8	2.5	4.2	-	17,280	5.1	28,800	8.4	34,560	10.1	1,142	2,010	3,020
		5	5	15	-	25	1.8	1.8	5.3	-	18,000	5.3	30,000	8.8	34,720	10.2	1,192	2,131	3,068
		7	9	9	-	25	2.5	3.2	3.2	-	18,000	5.3	30,000	8.8	34,720	10.2	1,192	2,131	3,068
		5	9	12	-	26	1.8	3.2	4.2	-	18,720	5.5	31,200	9.1	34,720	10.2	1,242	2,228	3,068
		7	7	12	-	26	2.5	2.5	4.2	-	18,720	5.5	31,200	9.1	34,720	10.2	1,242	2,228	3,068
		5	7	15	-	27	1.7	2.4	5.0	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068
		9	9	9	-	27	3.0	3.0	3.0	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068
		7	9	12	-	28	2.3	2.9	3.9	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068
5		5	18	-	28	1.6	1.6	5.8	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		9	15	-	28	1.6	2.8	4.7	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		12	12	-	29	1.6	3.8	3.8	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		7	15	-	29	2.2	2.2	4.7	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		7	18	-	30	1.5	2.1	5.5	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9		9	12	-	30	2.7	2.7	3.6	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		9	15	-	31	2.1	2.6	4.4	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		12	12	-	31	2.1	3.5	3.5	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		12	15	-	32	1.4	3.4	4.3	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		9	18	-	32	1.4	2.6	5.1	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		7	18	-	32	2.0	2.0	5.1	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9		9	15	-	33	2.5	2.5	4.1	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9		12	12	-	33	2.5	3.3	3.3	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		9	18	-	34	1.9	2.4	4.8	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		12	15	-	34	1.9	3.2	4.0	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		5	24	-	34	1.3	1.3	6.4	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		12	18	-	35	1.3	3.1	4.7	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		15	15	-	35	1.3	3.9	3.9	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		7	24	-	36	1.3	1.8	6.1	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9		12	15	-	36	2.3	3.0	3.8	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
12		12	12	-	36	3.0	3.0	3.0	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9		9	18	-	36	2.3	2.3	4.5	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		12	18	-	37	1.7	2.9	4.4	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		15	15	-	37	1.7	3.7	3.7	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		9	24	-	38	1.2	2.2	5.7	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
5		15	18	-	38	1.2	3.6	4.3	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
7		7	24	-	38	1.7	1.7	5.7	-	18,600	5.5	31,000	9.1	34,720	10.2	1,242	2,228	3,068	
9																			

COMBINATION TABLE

MU5R30 / MU5M30

Operation	Combination (kBtu/h)						Cooling													
							Each Capacity (kW)					Total Capacity					Total Input (W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Min	Rated	Max	Min	Rated	Max			
		Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max				
1 UNIT	5					5	1.5	-	-	-	4,500	1.3	5,000	1.5	6,000	1.8	416	467	684	
	7					7	2.1	-	-	-	4,800	1.4	7,000	2.1	8,400	2.5	416	551	741	
	9					9	2.6	-	-	-	5,400	1.6	9,000	2.6	10,800	3.2	416	689	961	
	12					12	3.5	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	551	944	1,287	
	15					15	4.2	-	-	-	8,520	2.5	14,200	4.2	17,040	5.0	661	1,149	1,557	
	18					18	5.3	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	858	1,482	2,013	
	24					24	7.0	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,149	2,026	2,830	
	5	5					10	1.5	1.5	-	-	6,000	1.8	10,000	2.9	12,000	3.5	423	696	952
	5	7					12	1.5	2.1	-	-	7,200	2.1	12,000	3.5	14,400	4.2	496	850	1,158
	5	9					14	1.5	2.6	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370
7	7					14	2.1	2.1	-	-	8,400	2.5	14,000	4.1	16,800	4.9	595	1,008	1,370	
7	9					16	2.1	2.6	-	-	9,600	2.8	16,000	4.7	19,200	5.6	670	1,169	1,588	
5	12					17	1.5	3.5	-	-	10,200	3.0	17,000	5.0	20,400	6.0	721	1,251	1,715	
9	9					18	2.6	2.6	-	-	10,800	3.2	18,000	5.3	21,600	6.3	772	1,334	1,812	
7	12					19	2.1	3.5	-	-	11,400	3.3	19,000	5.6	22,800	6.7	798	1,418	1,943	
5	15					20	1.5	4.4	-	-	12,000	3.5	20,000	5.9	24,000	7.0	850	1,503	2,042	
9	12					21	2.6	3.5	-	-	12,600	3.7	21,000	6.2	25,200	7.4	902	1,589	2,230	
7	15					22	2.1	4.4	-	-	13,200	3.9	22,000	6.4	26,400	7.7	955	1,647	2,376	
5	18					23	1.5	5.3	-	-	13,800	4.0	23,000	6.7	27,600	8.1	981	1,734	2,586	
9	15					24	2.6	4.4	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756	
12	12					24	3.5	3.5	-	-	14,400	4.2	24,000	7.0	28,800	8.4	1,034	1,823	2,756	
7	18					25	2.1	5.3	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,088	1,948	2,993	
9	18					27	2.6	5.3	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,169	2,212	3,442	
12	15					27	3.5	4.4	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,169	2,212	3,442	
5	24					29	1.5	7.0	-	-	17,400	5.1	29,000	8.5	33,000	9.7	1,279	2,512	3,579	
12	18					30	3.5	5.3	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
15	15					30	4.4	4.4	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
7	24					31	2.0	6.8	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
9	24					33	2.4	6.4	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
15	18					33	4.0	4.8	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
18	18					36	4.4	4.4	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
12	24					36	2.9	5.9	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
15	24					39	3.4	5.4	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
18	24					42	3.8	5.0	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
24	24					48	4.4	4.4	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,334	2,672	3,579	
5	5					15	1.5	1.5	1.5	-	9,000	2.6	15,000	4.4	18,000	5.3	583	1,023	1,405	
5	5					17	1.5	1.5	2.1	-	10,200	3.0	17,000	5.0	20,400	6.0	678	1,176	1,613	
5	5					19	1.5	1.5	2.6	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	5					19	1.5	2.1	2.1	-	11,400	3.3	19,000	5.6	22,800	6.7	750	1,333	1,826	
5	7					21	1.5	2.1	2.6	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
5	7					21	2.1	2.1	2.1	-	12,600	3.7	21,000	6.2	25,200	7.4	848	1,494	2,096	
5	5					23	1.5	1.5	3.5	-	13,200	3.9	22,000	6.4	26,400	7.7	897	1,548	2,234	
5	9					23	1.5	2.6	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
7	7					23	2.1	2.1	2.6	-	13,800	4.0	23,000	6.7	27,600	8.1	922	1,630	2,441	
5	7					24	1.5	2.1	3.5	-	14,400	4.2	24,000	7.0	28,800	8.4	972	1,714	2,617	
5	5					25	1.5	1.5	4.4	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,865	
7	9					25	2.1	2.6	2.6	-	15,000	4.4	25,000	7.3	30,000	8.8	1,023	1,831	2,865	
5	9					26	1.5	2.6	3.5	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063	
7	7					26	2.1	2.1	3.5	-	15,600	4.6	26,000	7.6	31,200	9.1	1,073	1,953	3,063	
5	7					27	1.5	2.1	4.4	-	16,200	4.7	27,000	7.9	32,400	9.5	1,099	2,079	3,342	
9	9					27	2.6	2.6	2.6	-	16,200	4.7	27,000	7.9	32,400	9.5	1,099	2,079	3,342	
7	9					28	2.1	2.6	3.5	-	16,800	4.9	28,000	8.2	33,600	9.8	1,150	2,231	3,564	
5	5					28	1.5	1.5	5.3	-	16,800	4.9	28,000	8.2	33,600	9.8	1,150	2,231	3,564	
5	9					29	1.5	2.6	4.4	-	17,400	5.1	29,000	8.5	33,600	9.8	1,202	2,390	3,564	
5	12					29	1.5	3.5	3.5	-	17,400	5.1	29,000	8.5	33,600	9.8	1,202	2,390	3,564	
7	7					29	2.1	2.1	4.4	-	17,400	5.1	29,000	8.5	33,600	9.8	1,202	2,390	3,564	
5	7					30	1.5	2.1	5.3	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	9					30	2.6	2.6	3.5	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	9					31	2.0	2.6	4.3	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	12					31	2.0	3.4	3.4	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	12					32	1.4	3.3	4.1	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	9					32	1.4	2.5	4.9	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	7					32	1.9	1.9	4.9	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	9					33	2.4	2.4	4.0	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	12					33	2.4	3.2	3.2	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	9					34	1.8	2.3	4.7	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	5					34	1.8	3.1	3.9	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	5					34	1.3	1.3	6.2	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	12					35	1.3	3.0	4.5	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	15					35	1.3	3.8	3.8	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	7					36	1.2	1.7	5.9	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	12					36	2.2	2.9	3.7	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
12	12					36	2.9	2.9	2.9	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
9	9					36	2.2	2.2	4.4	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	12					37	1.7	2.9	4.3	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
7	15					37	1.7	3.6	3.6	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	9					38	1.2	2.1	5.6	-	18,000	5.3	30,000	8.8	33,600	9.8	1,254	2,558	3,564	
5	15					38														

COMBINATION TABLE

MU5R30 / MU5M30

Operation	Combination (kBtu/h)						Cooling										Total Input (W)		
							Each Capacity (kW)					Total Capacity							
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Min		Rated		Max			
												Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated
5	5	5	5	5	25	1.5	1.5	1.5	1.5	1.5	15,000	4.4	25,000	7.3	30,000	8.8	949	1,711	2,527
5	5	5	5	7	27	1.5	1.5	1.5	1.5	2.1	16,200	4.7	27,000	7.9	32,400	9.5	1,022	1,919	2,906
5	5	5	5	9	29	1.5	1.5	1.5	1.5	2.6	17,400	5.1	29,000	8.5	34,800	10.2	1,120	2,141	3,324
5	5	5	7	7	29	1.5	1.5	1.5	2.1	2.1	17,400	5.1	29,000	8.5	34,800	10.2	1,120	2,141	3,324
5	5	5	7	9	31	1.4	1.4	1.4	2.0	2.6	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	7	7	31	1.4	1.4	2.0	2.0	2.0	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	5	12	32	1.4	1.4	1.4	1.4	3.3	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	7	9	33	1.3	1.3	1.3	2.4	2.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	7	33	1.3	1.3	1.9	1.9	1.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	7	12	34	1.3	1.3	1.3	1.8	3.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	5	15	35	1.3	1.3	1.3	1.3	3.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	9	35	1.3	1.3	1.9	1.9	2.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	7	35	1.3	1.3	1.9	1.9	1.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	7	12	36	1.2	1.2	1.2	1.2	2.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	7	35	1.8	1.8	1.8	1.8	1.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	9	12	36	1.2	1.2	1.2	1.2	2.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	7	35	1.8	1.8	1.8	1.8	1.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	9	37	1.2	1.2	2.1	2.1	2.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	9	9	37	1.2	1.7	1.7	2.1	2.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	7	7	7	37	1.7	1.7	1.7	1.7	2.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	5	18	38	1.2	1.2	1.2	1.2	4.2	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	7	12	38	1.2	1.6	1.6	1.6	2.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	9	15	39	1.1	1.1	1.1	2.0	3.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	12	12	39	1.1	1.1	1.1	2.7	2.7	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	15	39	1.1	1.1	1.6	1.6	3.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	7	9	9	39	1.6	1.6	1.6	2.0	2.0	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	9	9	9	39	1.1	1.6	2.0	2.0	2.0	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	7	18	40	1.1	1.1	1.1	1.5	4.0	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	9	9	12	40	1.1	1.1	2.0	2.0	2.6	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	9	12	40	1.1	1.5	1.5	2.0	2.6	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	7	7	12	40	1.5	1.5	1.5	1.5	2.6	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	9	15	41	1.1	1.1	1.5	1.9	3.2	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	7	15	41	1.1	1.5	1.5	1.5	3.2	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	9	9	9	9	41	1.1	1.9	1.9	1.9	1.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	9	9	9	41	1.5	1.5	1.9	1.9	1.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	9	18	42	1.0	1.0	1.0	1.9	3.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	12	15	42	1.0	1.0	1.0	2.5	3.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	7	18	42	1.0	1.0	1.5	1.5	3.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	9	9	12	42	1.0	1.5	1.9	1.9	2.5	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	7	9	12	42	1.5	1.5	1.5	1.9	2.5	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	9	9	15	43	1.0	1.0	1.8	1.8	3.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	9	15	43	1.0	1.4	1.4	1.8	3.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	12	12	43	1.0	1.4	1.4	2.5	2.5	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	7	7	15	43	1.4	1.4	1.4	1.4	3.1	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	9	9	9	9	43	1.4	1.8	1.8	1.8	1.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	12	15	44	1.0	1.0	1.4	2.4	3.0	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	5	24	44	1.0	1.0	1.0	1.0	4.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	7	18	44	1.0	1.4	1.4	1.4	3.6	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	9	9	9	12	44	1.0	1.8	1.8	1.8	2.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	9	9	12	44	1.4	1.4	1.8	1.8	2.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	12	18	45	1.0	1.0	1.0	2.3	3.5	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	15	15	45	1.0	1.0	1.0	2.9	2.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	9	9	15	45	1.0	1.4	1.8	1.8	2.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	9	12	12	45	1.0	1.4	1.8	2.3	2.3	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	7	9	15	45	1.4	1.4	1.4	1.8	2.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
9	9	9	9	9	45	1.8	1.8	1.8	1.8	1.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	7	24	46	1.0	1.0	1.0	1.3	4.6	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	9	9	18	46	1.0	1.0	1.7	1.7	3.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	9	12	15	46	1.0	1.0	1.7	2.3	2.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	12	12	12	46	1.0	1.0	2.3	2.3	2.3	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	9	18	46	1.0	1.3	1.3	1.7	3.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	7	7	12	15	46	1.0	1.3	1.3	2.3	2.9	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	7	7	18	46	1.3	1.3	1.3	1.3	3.4	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	9	9	9	12	46	1.3	1.7	1.7	1.7	2.3	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	7	15	15	47	0.9	0.9	1.3	2.8	2.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	9	9	9	15	47	0.9	1.7	1.7	1.7	2.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	9	9	12	12	47	0.9	1.7	1.7	2.2	2.2	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	9	9	15	47	1.3	1.3	1.7	1.7	2.8	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
7	7	9	12	12	47	1.3	1.3	1.7	2.2	2.2	18,000	5.3	30,000	8.8	36,000	10.6	1,170	2,256	3,582
5	5	5	9	24	48	0.9	0.9	0.9</											

COMBINATION TABLE

MU5R30 / MU5M30

Operation	Combination (kBtu/h)						Heating													
							Each Capacity (kW)					Total Capacity					Total Input (W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Min	Rated	Max	Min	Rated	Max			
3 UNIT	7	18	18			43	1.6	4.2	4.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	5	12	24			43	1.6	2.8	5.6	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	5	15	24			44	1.1	3.4	5.5	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	9	18	18			45	2.0	4.0	4.0	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	9	12	24			45	2.0	2.7	5.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	12	15	18			45	2.7	3.4	4.0	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	15	15	15			45	3.4	3.4	3.4	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	7	15	24			46	1.5	3.3	5.3	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	5	18	24			47	1.1	3.9	5.2	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	9	15	24			48	1.9	3.2	5.1	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	12	18	18			48	2.5	3.8	3.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	12	12	24			48	2.5	2.5	5.1	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	15	15	18			48	3.2	3.2	3.8	-	-	20,700	6.1	34,500	10.1	38,640	11.3	1,394	2,626	3,686
	5	5	5	5		20	1.8	1.8	1.8	1.8	-	14,400	4.2	24,000	7.0	28,800	8.4	878	1,547	2,195
	5	5	5	7		22	1.8	1.8	1.8	2.5	-	15,840	4.6	26,400	7.7	31,680	9.3	969	1,726	2,527
	5	5	5	9		24	1.8	1.8	1.8	3.2	-	17,280	5.1	28,800	8.4	34,560	10.1	1,085	1,909	2,927
	5	5	7	7		24	1.8	1.8	2.5	2.5	-	17,280	5.1	28,800	8.4	34,560	10.1	1,085	1,909	2,927
	5	5	7	9		26	1.8	1.8	2.5	3.2	-	18,720	5.5	31,200	9.1	37,440	11.0	1,180	2,116	3,427
	5	7	7	7		26	1.8	2.5	2.5	2.5	-	18,720	5.5	31,200	9.1	37,440	11.0	1,180	2,116	3,427
	5	5	5	12		27	1.8	1.8	1.8	4.2	-	19,440	5.7	32,400	9.5	38,640	11.3	1,227	2,281	3,606
5	5	9	9		28	1.8	1.8	3.2	3.2	-	20,160	5.9	33,600	9.8	38,640	11.3	1,276	2,411	3,606	
5	7	9	9		28	1.8	2.5	2.5	3.2	-	20,160	5.9	33,600	9.8	38,640	11.3	1,276	2,411	3,606	
7	7	7	7		28	2.5	2.5	2.5	2.5	-	20,160	5.9	33,600	9.8	38,640	11.3	1,276	2,411	3,606	
5	5	7	12		29	1.7	1.7	2.4	4.2	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	15		30	1.7	1.7	1.7	5.1	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	9	9		30	1.7	2.4	3.0	3.0	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	7	9		30	2.4	2.4	2.4	3.0	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	9	12		31	1.6	1.6	2.9	3.9	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	7	12		31	1.6	2.3	2.3	3.9	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	7	15		32	1.6	1.6	2.2	4.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	9	9		32	2.2	2.2	2.8	2.8	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	9	9	9		32	1.6	2.8	2.8	2.8	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	18		33	1.5	1.5	1.5	5.5	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	9	12		33	1.5	2.1	2.8	3.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	7	12		33	2.1	2.1	2.1	3.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	9	15		34	1.5	1.5	2.7	4.5	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	12	12		34	1.5	1.5	3.6	3.6	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	7	15		34	1.5	2.1	2.1	4.5	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	9	9	9		34	2.1	2.7	2.7	2.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	7	18		35	1.4	1.4	2.0	5.2	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	9	9	12		35	1.4	2.6	2.6	3.5	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	9	12		35	2.0	2.0	2.6	3.5	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	9	15		36	1.4	2.0	2.5	4.2	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	12	12		36	1.4	2.0	3.4	3.4	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	7	15		36	2.0	2.0	2.0	4.2	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
9	9	9	9		36	2.5	2.5	2.5	2.5	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	9	18		37	1.4	1.4	2.5	4.9	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	12	15		37	1.4	1.4	3.3	4.1	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	7	18		37	1.4	1.9	1.9	4.9	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	9	9	12		37	1.9	2.5	2.5	3.3	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	9	9	15		38	1.3	2.4	2.4	4.0	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	9	15		38	1.9	1.9	2.4	4.0	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	12	12		38	1.9	1.9	3.2	3.2	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	5	24		39	1.3	1.3	1.3	6.2	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	9	18		39	1.3	1.8	2.3	4.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	12	15		39	1.3	1.8	3.1	3.9	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
9	9	9	12		39	2.3	2.3	2.3	3.1	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	7	18		39	1.8	1.8	1.8	4.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	12	18		40	1.3	1.3	3.0	4.6	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	9	9	15		40	1.8	2.3	2.3	3.8	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	9	12	12		40	1.8	2.3	3.0	3.0	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	5	7	24		41	1.2	1.2	1.7	5.9	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	9	12	15		41	1.2	2.2	3.0	3.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	12	12	12		41	1.2	3.0	3.0	3.0	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	7	12	15		41	1.7	1.7	3.0	3.7	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
5	7	9	18		41	1.7	1.7	2.2	4.4	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
9	9	15	15		42	1.2	1.7	3.6	3.6	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
9	9	9	15		42	2.2	2.2	2.2	3.6	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	9	12	12		42	2.2	2.2	2.9	2.9	-	20,700	6.1	34,500	10.1	38,640	11.3	1,324	2,545	3,606	
7	9	12	15		43	1.6	2.1	2.8	3.5	-	20,700	6.1	34,500	10.1	38					

COMBINATION TABLE

MU5M40

Operation	Combination (kBtu/h)						Cooling									Total Input (W)					
							Each Capacity (kW)					Total Capacity			Total Input (W)						
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Min	Rated	Max	Min	Rated	Max				
											Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max		
1 UNIT	5					5	1.5	-	-	-	-	4,500	1.3	5,000	1.5	6,000	1.8	780	1,120	1,703	
	7					7	2.1	-	-	-	-	4,800	1.4	7,000	2.1	8,400	2.5	780	1,120	1,703	
	9					9	2.6	-	-	-	-	5,400	1.6	9,000	2.6	10,800	3.2	780	1,120	1,703	
	12					12	3.5	-	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	780	1,120	1,703	
	15					15	4.2	-	-	-	-	8,520	2.5	14,200	4.2	17,040	5.0	780	1,120	1,809	
	18					18	5.3	-	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	800	1,260	1,915	
	24					24	7.0	-	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,042	1,680	2,280	
	5	5					10	1.5	1.5	-	-	-	6,000	1.8	10,000	2.9	12,000	3.5	780	1,120	1,703
	5	7					12	1.5	2.0	-	-	-	7,200	2.1	12,000	3.5	14,400	4.2	780	1,120	1,703
	5	9					14	1.5	2.6	-	-	-	8,400	2.5	14,000	4.1	16,800	4.9	780	1,120	1,703
	5	7	7				14	2.1	2.1	-	-	-	8,400	2.5	14,000	4.1	16,800	4.9	780	1,120	1,703
	5	9	9				16	2.1	2.6	-	-	-	9,600	2.8	16,000	4.7	19,200	5.6	780	1,120	1,703
	5	12	9				17	1.5	3.5	-	-	-	10,200	3.0	17,000	5.0	20,400	6.0	780	1,120	1,809
	5	9	7	7			18	2.7	2.7	-	-	-	10,800	3.2	18,000	5.3	21,600	6.3	800	1,260	1,915
	5	12	12				19	2.1	3.5	-	-	-	11,400	3.3	19,000	5.6	22,800	6.7	825	1,330	2,022
	5	15	15				20	1.5	4.4	-	-	-	12,000	3.5	20,000	5.9	24,000	7.0	868	1,400	2,128
	9	12	9				21	2.7	3.5	-	-	-	12,600	3.7	21,000	6.2	25,200	7.4	911	1,470	2,235
	9	15	12				22	2.0	4.4	-	-	-	13,200	3.8	22,000	6.4	26,400	7.7	954	1,540	2,341
	5	18	15				23	1.5	5.2	-	-	-	13,800	4.0	23,000	6.7	27,600	8.1	998	1,610	2,447
	5	15	15				24	2.6	4.4	-	-	-	14,400	4.2	24,000	7.0	28,800	8.5	1,020	1,645	2,500
	5	12	24				24	3.5	3.5	-	-	-	14,400	4.2	24,000	7.0	28,800	8.5	1,042	1,680	2,554
	7	18					25	2.0	5.3	-	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,085	1,750	2,660
	9	18					27	2.6	5.3	-	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,172	1,890	2,873
	12	15					27	3.5	4.4	-	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,215	1,960	2,979
5	24					29	1.5	7.0	-	-	-	17,400	5.1	29,000	8.5	34,800	10.2	1,259	2,030	3,086	
12	18					30	3.5	5.3	-	-	-	18,000	5.3	30,000	8.8	36,000	10.6	1,302	2,100	3,192	
15	18					31	4.4	6.0	-	-	-	18,000	5.3	30,000	8.8	36,000	10.6	1,324	2,135	3,245	
7	24					31	2.1	7.0	-	-	-	18,600	5.5	31,000	9.1	37,200	10.9	1,345	2,170	3,299	
9	24					33	2.6	7.1	-	-	-	19,800	5.8	33,000	9.7	39,600	11.6	1,432	2,310	3,512	
15	18					33	4.4	5.3	-	-	-	19,800	5.8	33,000	9.7	39,600	11.6	1,497	2,415	3,672	
18	18					36	5.3	5.3	-	-	-	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831	
12	24					36	3.5	7.1	-	-	-	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831	
15	24					39	4.4	6.0	-	-	-	21,600	6.3	36,000	10.6	43,200	12.7	1,627	2,625	3,991	
18	24					42	5.0	6.7	-	-	-	24,000	7.0	40,000	11.7	46,000	13.5	1,693	2,730	4,150	
24	24					48	5.9	5.9	-	-	-	24,000	7.0	40,000	11.7	46,000	13.5	1,693	2,730	4,150	
5	5	5				15	1.5	1.5	1.5	-	-	9,000	2.6	15,000	4.4	18,000	5.3	780	1,120	1,703	
5	5	7				17	1.5	1.5	2.1	-	-	10,200	3.0	17,000	5.0	20,400	6.0	780	1,120	1,809	
5	5	9				19	1.5	1.5	2.7	-	-	11,400	3.3	19,000	5.6	22,800	6.7	825	1,330	2,022	
5	7	7				19	1.5	2.1	2.1	-	-	11,400	3.3	19,000	5.6	22,800	6.7	825	1,330	2,022	
5	7	9				21	1.5	2.1	2.7	-	-	12,600	3.7	21,000	6.2	25,200	7.4	911	1,470	2,235	
7	7	7				21	2.1	2.1	2.1	-	-	12,600	3.7	21,000	6.2	25,200	7.4	911	1,470	2,235	
5	5	12				22	1.5	1.5	3.7	-	-	13,800	4.0	23,000	6.7	27,600	8.1	952	1,540	2,341	
7	7	9				23	2.0	2.0	2.6	-	-	13,800	4.0	23,000	6.7	27,600	8.1	998	1,610	2,447	
5	9	9				23	1.5	2.6	2.6	-	-	13,800	4.0	23,000	6.7	27,600	8.1	998	1,610	2,447	
7	7	12				24	1.5	2.0	3.5	-	-	14,400	4.2	24,000	7.0	28,800	8.5	1,042	1,680	2,554	
5	15	15				25	1.5	4.4	-	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,064	1,715	2,607	
7	9	9				25	2.0	2.6	2.6	-	-	15,000	4.4	25,000	7.3	30,000	8.8	1,085	1,750	2,660	
5	9	12				26	1.5	2.6	3.5	-	-	15,600	4.6	26,000	7.6	31,200	9.1	1,128	1,820	2,767	
7	7	12				26	2.0	2.0	3.5	-	-	15,600	4.6	26,000	7.6	31,200	9.1	1,128	1,820	2,767	
5	7	15				27	1.5	2.0	4.4	-	-	16,200	4.8	27,000	7.9	32,400	9.5	1,150	1,855	2,820	
9	9	9				27	2.6	2.6	2.6	-	-	16,200	4.7	27,000	7.9	32,400	9.5	1,172	1,890	2,873	
7	12	9				28	2.1	2.6	3.5	-	-	16,800	4.9	28,000	8.2	33,600	9.8	1,215	1,960	2,979	
5	5	18				28	1.5	1.5	5.3	-	-	16,800	4.9	28,000	8.2	33,600	9.8	1,215	1,960	2,979	
5	9	15				29	1.5	2.6	4.4	-	-	17,400	5.1	29,000	8.5	34,800	10.2	1,237	1,995	3,032	
5	12	12				29	1.5	3.5	3.5	-	-	17,400	5.1	29,000	8.5	34,800	10.2	1,259	2,030	3,086	
7	7	15				29	2.1	2.1	4.4	-	-	17,400	5.1	29,000	8.5	34,800	10.2	1,281	2,065	3,139	
5	7	18				30	1.5	2.1	5.3	-	-	18,000	5.3	30,000	8.8	36,000	10.6	1,302	2,100	3,192	
9	9	12				30	2.6	2.6	3.5	-	-	18,000	5.3	30,000	8.8	36,000	10.6	1,302	2,100	3,192	
7	12	12				31	2.1	3.5	3.5	-	-	18,000	5.3	30,000	8.8	36,000	10.6	1,324	2,135	3,245	
5	12	15				31	1.5	3.5	4.4	-	-	18,600	5.5	31,000	9.1	37,200	10.9	1,345	2,170	3,299	
5	9	18				32	1.5	2.6	5.3	-	-	19,200	5.7	32,000	9.4	38,400	11.2	1,367	2,205	3,352	
7	7	18				32	2.1	2.1	5.3	-	-	19,200	5.6	32,000	9.4	38,400	11.3	1,389	2,240	3,405	
9	9	15				33	2.6	2.6	4.4	-	-	19,800	5.8	33,000	9.7	39,600	11.6	1,411	2,275	3,458	
7	12	15				33	2.1	2.6	5.3	-	-	19,800	5.8	33,000	9.7	39,600	11.6	1,432	2,310	3,512	
7	9	18				34	2.1	2.6	5.3	-	-	20,400	6.0	34,000	10.0	40,800	12.0	1,476	2,380	3,618	
7	12	15				34	2.1	3.5	4.4	-	-	20,400	6.0	34,000	10.0	40,800	12.0	1,476	2,380	3,618	
5	5	24				34	1.5	1.5	7.1	-	-	20,400	6.0	34,000	10.0	40,800	12.0	1,476	2,380	3,618	
5	12	18				35	1.5	3.5	5.3	-	-	21,000	6.2	35,000	10.3	42,000	12.3	1,519	2,450	3,724	
5	15	15				35	1.5	4.4	4.4	-	-	21,000	6.2	35,000	10.3	42,000	12.3	1,541	2,485	3,777	
5	7	24				36	1.5	2.1	7.1	-	-	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831	
9	12	12				36	2.7	2.7	5.3	-	-	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831	
12	12	12				36	3.5	3.5	3.5	-	-	21,600	6.3	36,000	10.6	43,200	12.7	1,627	2,625	3,991	
9	9	18				36	2.7	2.7	5.3	-	-	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831	
7	12	18				37	2.0	3.5	5.3	-	-	22,200	6.5								

COMBINATION TABLE

MU5M40

Operation	Combination (kBtu/h)						Cooling													
							Each Capacity (kW)					Total Capacity						Total Input (W)		
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	Min		Rated		Max		Min	Rated	Max					
							Btu/h	kW	Btu/h	kW	Btu/h	kW				Btu/h	kW			
5	7	7	7	7	33	1.5	2.1	2.1	2.1	2.1	19,800	5.8	33,000	9.7	39,600	11.6	1,432	2,310	3,512	
5	5	5	5	5	12	3.4	1.5	1.5	1.5	1.5	20,400	6.0	34,000	10.0	40,800	12.0	1,476	2,380	3,618	
5	5	5	5	5	15	3.5	1.5	1.5	1.5	1.5	21,000	6.2	35,000	10.3	42,000	12.3	1,498	2,415	3,671	
5	5	7	7	7	9	35	1.5	2.1	2.1	2.1	21,000	6.2	35,000	10.3	42,000	12.3	1,519	2,450	3,724	
5	5	7	7	7	7	35	2.1	2.1	2.1	2.1	21,000	6.2	35,000	10.3	42,000	12.3	1,519	2,450	3,724	
5	5	5	9	9	12	36	1.5	1.5	1.5	2.7	3.5	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831
5	5	5	7	12	36	1.5	1.5	2.1	2.1	2.1	3.5	21,600	6.3	36,000	10.6	43,200	12.7	1,562	2,520	3,831
5	5	5	7	15	37	1.5	1.5	2.0	2.0	2.0	4.4	22,200	6.4	37,000	10.8	44,400	13.0	1,584	2,555	3,884
5	5	9	9	9	37	1.5	1.5	2.6	2.6	2.6	3.5	22,200	6.5	37,000	10.8	44,400	13.0	1,606	2,590	3,937
5	7	7	7	9	37	1.5	2.0	2.0	2.6	2.6	2.6	22,200	6.5	37,000	10.8	44,400	13.0	1,606	2,590	3,937
5	7	7	7	7	9	37	2.0	2.0	2.0	2.6	2.6	22,200	6.5	37,000	10.8	44,400	13.0	1,606	2,590	3,937
5	5	5	5	18	38	1.5	1.5	1.5	1.5	5.3	3.4	22,800	6.7	38,000	11.1	45,600	13.4	1,649	2,660	4,044
5	5	7	7	12	38	1.5	2.0	2.0	2.0	3.5	3.4	22,800	6.7	38,000	11.1	45,600	13.4	1,649	2,660	4,044
5	5	5	9	15	39	1.4	1.4	1.4	2.6	4.3	22,800	6.7	38,000	11.2	46,000	13.5	1,671	2,695	4,097	
5	5	5	12	12	39	1.4	1.4	1.4	3.4	3.4	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	7	15	39	1.4	1.4	2.0	2.0	4.3	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	7	9	39	2.0	2.0	2.0	2.6	2.6	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	9	9	39	1.4	2.0	2.0	2.6	2.6	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	9	18	40	1.4	1.4	1.4	2.0	5.0	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	9	12	40	1.4	1.4	2.5	2.5	3.4	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	7	9	40	1.4	2.0	2.0	2.5	3.4	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	7	12	40	2.0	2.0	2.0	2.0	3.4	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	7	9	41	1.4	1.4	1.9	2.5	4.1	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	7	15	41	1.4	1.9	1.9	1.9	4.1	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	7	9	41	1.4	2.5	2.5	2.5	2.5	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	9	9	41	1.9	1.9	2.5	2.5	2.5	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	9	18	42	1.3	1.3	1.3	2.4	4.8	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	12	15	42	1.3	1.3	1.3	3.2	4.0	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	7	18	42	1.3	1.3	1.9	1.9	4.8	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	9	12	42	1.3	1.9	2.4	2.4	3.2	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	7	9	42	1.9	1.9	2.4	3.2	3.2	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	9	15	43	1.3	1.3	2.3	3.9	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150		
5	7	7	7	12	43	1.3	1.8	1.8	3.1	3.1	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	7	15	43	1.8	1.8	1.8	1.8	3.9	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	9	9	9	9	43	1.8	2.3	2.3	2.3	2.3	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	12	15	44	1.3	1.3	1.8	3.1	3.8	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	5	24	44	1.3	1.3	1.3	1.3	6.1	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	7	18	44	1.3	1.8	1.8	1.8	4.6	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	9	9	9	12	44	1.3	2.3	2.3	2.3	3.1	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	7	9	9	12	44	1.8	1.8	2.3	2.3	3.1	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	12	12	45	1.2	1.2	1.2	3.0	4.5	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	15	15	45	1.2	1.2	1.2	3.7	3.7	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	9	15	45	1.2	1.7	2.2	2.2	3.7	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	9	12	12	45	1.2	1.7	2.2	3.0	3.0	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	9	9	15	45	1.7	1.7	1.7	2.2	3.7	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
9	9	9	9	9	45	2.2	2.2	2.2	2.2	2.2	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	7	24	46	1.2	1.2	1.2	1.7	5.8	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	9	18	46	1.2	1.2	2.2	2.2	4.4	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	12	15	46	1.2	1.2	2.2	2.9	3.7	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	15	12	46	1.2	1.2	2.9	2.9	2.9	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	9	18	46	1.2	1.7	1.7	2.2	3.7	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	7	12	15	46	1.2	1.7	1.7	2.9	3.7	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	7	7	7	18	46	1.7	1.7	1.7	1.7	4.4	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	9	9	9	12	46	1.7	2.2	2.2	2.2	2.9	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	15	15	47	1.2	1.2	1.7	3.6	3.6	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	9	9	9	15	47	1.2	2.1	2.1	2.1	3.6	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	9	9	12	12	47	1.2	2.1	2.1	2.9	2.9	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	7	9	15	15	47	1.7	1.7	2.1	2.9	2.9	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	9	24	48	1.2	1.2	1.2	2.1	5.6	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	5	15	18	48	1.2	1.2	1.2	3.5	4.2	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	7	7	24	48	1.2	1.2	1.6	1.6	5.6	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	9	18	18	48	1.2	1.6	2.1	2.1	4.2	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	9	12	15	48	1.2	1.6	2.1	2.8	3.5	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	7	12	12	18	48	1.2	1.6	2.8	2.8	2.8	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
9	9	9	12	15	48	1.6	1.6	1.6	2.8	3.5	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	7	7	9	12	48	2.1	2.1	2.1	2.1	2.8	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	7	7	9	18	48	1.6	1.6	1.6	3.0	3.0	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
7	7	7	9	18	48	1.6	1.6	1.6	2.1	4.2	22,800	6.7	38,000	11.2	46,000	13.5	1,693	2,730	4,150	
5	5	9	15	15	49	1.1	1.1	1.1	3.4	3.4	22,800	6.7	38,000	11.2						

COMBINATION TABLE

MU5M40

Operation	Combination (kBtu/h)						Heating													
							Each Capacity (kW)					Total Capacity						Total Input (W)		
	UNITA	UNITB	UNITC	UNITD	UNIT E	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Min	Rated	Max	Min	Rated	Max			
5	5	5	5	5	5	20	1.7	1.7	1.7	1.7	1.7	13,860	4.1	23,100	6.8	27,720	8.1	868	1,400	2,282
5	5	5	5	7	7	22	1.7	1.7	1.7	2.4	-	15,180	4.4	25,300	7.4	30,360	8.9	955	1,540	2,510
5	5	5	5	9	9	24	1.6	1.6	1.6	2.9	-	15,840	4.6	26,400	7.7	31,680	9.3	1,042	1,680	2,738
5	5	5	7	7	7	24	1.6	1.6	2.2	2.2	-	15,840	4.6	26,400	7.7	31,680	9.3	1,042	1,680	2,738
5	5	5	7	9	9	26	1.6	1.6	2.3	2.9	-	17,160	5.0	28,600	8.4	34,320	10.1	1,128	1,820	2,967
5	5	7	7	7	7	27	1.6	1.6	2.3	2.3	-	17,160	5.0	28,600	8.4	34,320	10.1	1,128	1,820	2,967
5	5	5	9	12	12	27	1.6	1.6	1.6	3.9	-	17,820	5.2	29,700	8.7	35,640	10.4	1,172	1,890	3,081
5	5	7	9	9	9	28	1.6	1.6	2.3	2.9	-	18,480	5.4	30,800	9.0	36,960	10.8	1,215	1,960	3,195
5	5	7	7	9	9	28	1.6	1.6	2.3	2.9	-	18,480	5.4	30,800	9.0	36,960	10.8	1,215	1,960	3,195
7	7	7	7	7	7	28	2.3	2.3	2.3	2.3	-	18,480	5.4	30,800	9.0	36,960	10.8	1,215	1,960	3,195
5	5	7	7	12	12	29	1.6	1.6	2.2	3.8	-	19,140	5.6	31,900	9.3	38,280	11.2	1,259	2,030	3,309
5	5	5	5	15	15	30	1.6	1.6	1.6	4.9	-	19,800	5.8	33,000	9.7	39,600	11.6	1,281	2,065	3,366
5	5	7	9	9	9	30	1.6	2.3	2.9	2.9	-	19,800	5.8	33,000	9.7	39,600	11.6	1,302	2,100	3,423
7	7	7	9	9	9	30	2.3	2.3	2.3	2.9	-	19,800	5.8	33,000	9.7	39,600	11.6	1,302	2,100	3,423
5	5	5	9	12	12	31	1.6	1.6	2.9	3.9	-	20,460	6.0	34,100	10.0	40,920	12.0	1,345	2,170	3,537
5	5	7	7	12	12	31	1.6	2.3	2.3	3.9	-	20,460	6.0	34,100	10.0	40,920	12.0	1,345	2,170	3,537
5	5	7	9	9	9	32	1.6	1.6	2.3	4.8	-	21,120	6.2	35,200	10.3	42,240	12.4	1,367	2,205	3,594
7	7	7	9	9	9	32	2.3	2.3	2.9	2.9	-	21,120	6.2	35,200	10.3	42,240	12.4	1,389	2,240	3,651
5	5	9	9	9	9	32	1.6	2.9	2.9	2.9	-	21,120	6.2	35,200	10.3	42,240	12.4	1,389	2,240	3,651
5	5	5	18	18	18	33	1.6	1.6	1.6	5.8	-	21,780	6.4	36,300	10.6	43,560	12.8	1,432	2,310	3,765
5	5	7	12	12	12	33	1.6	2.2	2.9	3.9	-	21,780	6.4	36,300	10.6	43,560	12.8	1,432	2,310	3,765
7	7	7	12	12	12	33	2.2	2.2	2.2	3.9	-	21,780	6.4	36,300	10.6	43,560	12.8	1,432	2,310	3,765
5	5	5	9	15	15	34	1.6	1.6	2.9	4.9	-	22,440	6.6	37,400	11.0	44,880	13.2	1,476	2,380	3,879
5	5	5	12	12	12	34	1.6	1.6	3.9	3.9	-	22,440	6.6	37,400	11.0	44,880	13.2	1,476	2,380	3,879
7	7	7	15	15	15	34	1.6	2.3	2.3	4.9	-	22,440	6.6	37,400	11.0	44,880	13.2	1,476	2,380	3,879
7	7	9	9	9	9	34	2.3	2.9	2.9	2.9	-	22,440	6.6	37,400	11.0	44,880	13.2	1,476	2,380	3,879
5	5	7	18	18	18	35	1.6	1.6	2.3	5.8	-	23,100	6.8	38,500	11.3	46,200	13.5	1,519	2,450	3,994
5	5	9	9	12	12	35	1.6	2.9	2.9	3.9	-	23,100	6.8	38,500	11.3	46,200	13.5	1,519	2,450	3,994
7	7	7	9	12	12	35	2.3	2.3	2.9	3.9	-	23,100	6.8	38,500	11.3	46,200	13.5	1,519	2,450	3,994
5	5	7	9	15	15	36	1.6	2.3	2.9	4.8	-	23,760	7.0	39,600	11.6	47,520	13.9	1,541	2,485	4,051
5	5	7	12	12	12	36	1.6	2.3	3.9	3.9	-	23,760	7.0	39,600	11.6	47,520	13.9	1,541	2,485	4,051
7	7	7	15	15	15	36	2.3	2.3	2.9	4.8	-	23,760	7.0	39,600	11.6	47,520	13.9	1,562	2,520	4,108
9	9	9	9	9	9	36	2.9	2.9	2.9	2.9	-	23,760	7.0	39,600	11.6	47,520	13.9	1,562	2,520	4,108
5	5	5	9	18	18	37	1.6	1.6	2.9	5.8	-	24,420	7.2	40,700	11.9	48,840	14.3	1,606	2,590	4,222
5	5	5	12	15	15	37	1.6	1.6	3.9	4.8	-	24,420	7.2	40,700	11.9	48,840	14.3	1,606	2,590	4,222
7	7	7	18	18	18	37	1.6	2.3	2.3	5.8	-	24,420	7.2	40,700	11.9	48,840	14.3	1,606	2,590	4,222
7	7	9	9	12	12	37	2.3	2.9	2.9	3.9	-	24,420	7.2	40,700	11.9	48,840	14.3	1,606	2,590	4,222
5	5	9	9	15	15	38	1.6	2.9	2.9	4.9	-	25,080	7.4	41,800	12.3	50,160	14.7	1,649	2,660	4,336
7	7	7	15	15	15	38	2.3	2.3	2.9	4.9	-	25,080	7.4	41,800	12.3	50,160	14.7	1,649	2,660	4,336
7	7	9	12	12	12	38	2.3	2.3	3.9	3.9	-	25,080	7.4	41,800	12.3	50,160	14.7	1,649	2,660	4,336
5	5	5	5	24	24	39	1.6	1.6	1.6	7.7	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	7	9	18	18	39	1.6	2.2	2.9	5.8	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	7	12	15	15	39	1.6	2.2	3.8	4.8	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
9	9	9	9	12	12	39	2.9	2.9	2.9	3.8	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	7	9	18	18	39	2.2	2.2	2.2	5.8	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	5	12	18	18	40	1.6	1.6	3.8	5.6	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	9	9	18	18	40	2.2	2.8	2.8	4.7	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	9	12	18	18	40	2.2	2.8	3.8	3.8	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	5	7	24	24	41	1.5	1.5	2.1	7.3	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	9	12	15	15	41	1.5	2.7	3.7	4.6	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	12	12	12	12	41	1.5	3.7	3.7	3.7	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	7	18	18	18	41	2.1	2.1	2.7	5.5	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	12	15	15	15	41	2.1	2.1	3.7	4.6	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	7	15	15	15	42	1.5	2.1	4.5	4.5	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
9	9	9	9	15	15	42	2.7	2.7	2.7	4.5	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
9	9	9	12	12	12	42	2.7	2.7	3.6	3.6	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	9	12	15	15	43	2.0	2.6	3.5	4.4	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	12	12	12	12	43	2.0	3.5	3.5	3.5	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	9	18	18	18	43	2.0	2.6	4.3	4.3	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	9	15	15	15	44	1.4	2.6	4.3	4.3	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	12	18	18	18	44	2.0	2.0	3.4	5.1	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	7	15	15	15	44	2.0	2.0	4.3	4.3	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
5	5	7	18	15	15	45	1.4	1.9	5.0	4.2	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
9	9	9	12	15	15	45	2.5	2.5	3.3	4.2	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
9	9	12	12	12	12	45	2.5	3.3	3.3	4.2	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
9	9	18	18	18	18	45	2.5	2.5	2.5	5.0	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	7	24	24	24	45	1.9	1.9	1.9	6.7	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
7	7	9	12	18	18	46	1.9	2.4	3.3	4.9	-	25,620	7.5	42,700	12.5	51,200	15.0	1,742	2,810	4,450
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