Aerovent®

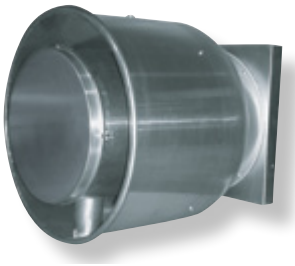
The Industrial Choice.

Model ACX

Model ATDW

Model ATB

Model ACXD



Model AWX

Model ATDR

SPUN ALUMINUM POWER ROOF & WALL VENTILATORS

Model ACX / ACXD

Model ATD / ATDR / ATDW / ATDWR

Model ATB / ATBR / AWX / AWXR

BULLETIN 102 January 2007

Centrifugal Roof & Wall Ventilators

Aerovent's all new line of quiet, efficient, and economical spun aluminum centrifugal power roof and wall ventilators are designed to offer value and long-lasting service in a wide variety of commercial and industrial ventilating applications.

Models ACX, ACXD, ATB, ATD, ATBR, ATDR, AWX, ATDW, AWXR and ATDWR ventilators have been designed by the Aerovent Engineering/R&D team, to provide world-class performance, quality, and efficiency to meet the demands of today's ventilating requirements. These new fans cover a wide range of performances, up to 30,000 CFM and over 3" static pressure, in upblast, downblast and sidewall exhaust arrangements.

ACX and ACXD

Downblast Roof Ventilator

ATB/D and ATBR/ATDR

Upblast Roof/Kitchen Ventilators

AWX/ATDW and AWXR/ATDWR

Wall/Kitchen Ventilators

Aerovent

amca CERTIFIED RATINGS SOUND AND AIR PERFORMANCE ® AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC.

Aerovent certifies that the ACX, ACXD, ATB, ATD, ATBR, ATDR, AWX, ATDW, AWXR and ATDWR Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Construction Features

- Quiet and efficient non-overloading wheels with backwardly curved blades provide performance that is second to none in the industry.
- The wheel, motor, and drive assembly is completely isolated from the fan supports by rubber isolators to reduce transmission of noise and vibration.
- The top cap provides complete protection for the motor and drive assembly, while allowing quick access to these components without the need for tools.
- Heavy-duty re-greaseable pillow block ball bearings are specifically designed for air handling applications to provide an average life (L-50) of 500,000 hours or more at maximum cataloged operating speeds.
- One piece curb cap/inlet Venturi assembly has welded corners to provide complete protection from the weather.
- Internal lifting lugs provide safe and easy rigging of the fans.
- ODP, TEFC, and Explosion Proof Single and three phase motors are paired with adjustable pitch v-belt drives with cast iron sheaves and heat resistant belts to provide 1.5 service factor. The entire fan assembly is balanced and tested at the factory before shipping.
- Galvanized birdscreen protects the wheel, inlet and internal components from entry of birds.
- AMCA Air and Sound Certification guarantees accurate performance. UL listing for power ventilators assures acceptance in most commercial applications.
- Disconnect switches provided on ACX, ATB, and AWX fans with ODP or TEFC motors are NEMA-1 type mounted and wired in the motor compartment. Where explosion proof motors are utilized, a NEMA - 7/9 disconnect is shipped loose for field mounting and wiring. ATBR and AWXR fans are provided with NEMA-3R rain-tight disconnect switches, externally mounted and wired when ODP or TEFC motors are used. NEMA 7/9 switches will be shipped loose when explosion proof motors are used.

c UL us

All models are cULus 705 listed, for electrical, File No. E158680.

All ATBR, ATDR, AWXR and ATDWR models are cULus 762 listed, for the exhaust of grease laden air, File No. MH-25478.

ACXD – Spun Aluminum Roof Exhausters, Direct Drive

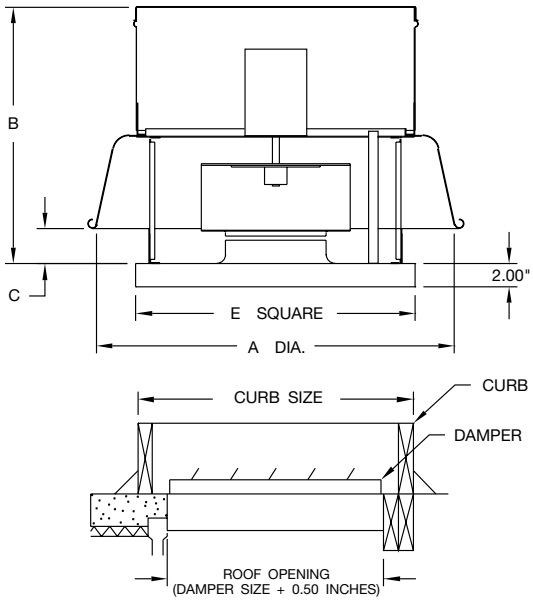
Model ACXD direct drive roof exhausters feature spun aluminum construction.

Standard Models

- Available in 14 sizes from 060 through 180
- Capacities range from 100 to 5,000 CFM, with static pressures to 1 inch
- Speed controllable available on all sizes with ODP, 115V motors

Dimensional Data and Weights

SIZE	FAN DIMENSIONS					CANTED CURB SIZE	DAMPER SIZE	AVG. SHIP WT. (LBS.)
	A	B	C	D	E			
060	18.50	15.75	1.50	15.25	17.00	15.5 x 15.5	10 x 10	30
070	18.50	15.75	1.50	15.25	17.00	15.5 x 15.5	10 x 10	30
080	18.50	15.75	1.50	15.25	17.00	15.5 x 15.5	10 x 10	32
085	21.00	19.50	2.56	15.25	17.00	15.5 x 15.5	10 x 10	43
090	21.00	19.50	2.56	15.25	17.00	15.5 x 15.5	10 x 10	43
095	21.00	19.50	2.56	15.25	17.00	15.5 x 15.5	10 x 10	43
100	21.00	19.50	2.56	15.25	17.00	15.5 x 15.5	10 x 10	48
120	27.88	20.44	3.12	22.00	20.00	18.5 x 18.5	14 x 14	50
130	27.88	23.50	3.12	22.00	24.00	22.5 x 22.5	18 x 18	65
140	27.88	23.88	3.50	22.00	24.00	22.5 x 22.5	18 x 18	67
150	30.96	27.19	3.50	24.00	24.00	22.5 x 22.5	18 x 18	77
160	30.96	27.62	4.00	24.00	24.00	22.5 x 22.5	18 x 18	82
170	39.54	30.50	2.56	30.00	30.00	28.5 x 28.5	24 x 24	95
180	39.54	31.12	3.06	30.00	30.00	28.5 x 28.5	24 x 24	100



Notes:
1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Outside dimensions of dampers are nominal.
4. Self-flashing roof curbs are 1" larger than canted curbs.

ACX – Spun Aluminum Roof Ventilators, Belt Driven

Model ACX belt driven roof exhausters feature spun aluminum construction available in standard and high-pressure designs.

Standard Models

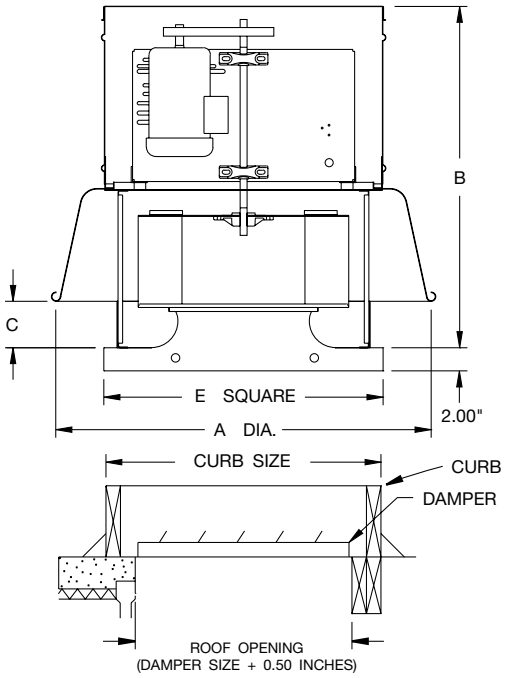
- Available in 14 sizes from 070 through 480
- Capacities range from 180 to 28,700 CFM, with static pressures to 2.5 inches

High-Pressure Models

- Available in 8 sizes from 100HP through 360HP
- Capacities range from 330 to 17,500 CFM, with static pressures to 3.25 inches

Dimensional Data and Weights

SIZE	FAN DIMENSIONS				CANTED CURB SIZE	DAMPER SIZE	AVG. SHIP WT. (LBS.)
	A	B	C	E			
070/075	25.88	22.75	2.64	17.00	15.5 x 15.5	10 x 10	58
085	27.88	25.50	3.16	17.00	15.5 x 15.5	10 x 10	67
100	27.88	26.50	3.16	20.00	18.5 x 18.5	14 x 14	74
120	30.94	30.88	3.81	20.00	18.5 x 18.5	14 x 14	78
140	30.94	30.75	3.81	24.00	22.5 x 22.5	18 x 18	90
160	33.81	32.75	4.00	26.00	24.5 x 24.5	20 x 20	107
180	39.56	37.75	5.00	30.00	28.5 x 28.5	24 x 24	130
210	39.56	37.75	5.00	30.00	28.5 x 28.5	24 x 24	160
240	43.00	35.88	4.83	34.00	32.5 x 32.5	28 x 28	220
300	52.00	39.38	4.83	40.00	38.5 x 38.5	34 x 34	270
360	61.50	45.88	6.83	46.00	44.5 x 44.5	40 x 40	360
420	65.75	49.13	8.25	52.00	50.5 x 50.5	46 x 46	420
480	74.00	51.63	9.00	58.00	56.5 x 56.5	50 x 50	475



Notes:
1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Outside dimensions of dampers are nominal.
4. Self-flashing roof curbs are 1" larger than canted curbs.

ATD/ATDR – Upblast Roof Exhausters, Direct Drive

Aerovent's ATD and ATDR direct drive, upblast roof mounted centrifugal exhausters are available in eight sizes from size 070 to 180.

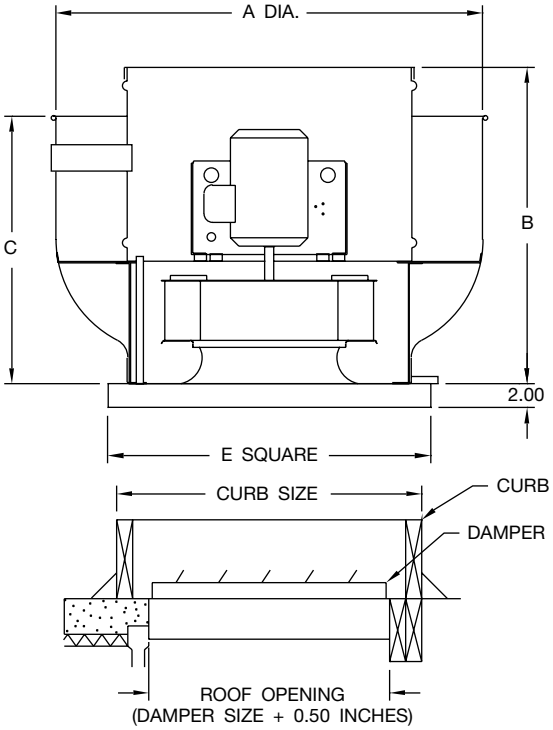
Capacities range from 225 to 3,865 CFM with static pressures to 1.75 inches. All sizes are speed controllable with ODP 115V motors.

ATD – General Exhaust
Model ATD is designed for roof mounted exhaust of clean air in applications where it is desirable to move the exhausted air up and away from the building, and where re-entry into the building supply air is possible. Model ATD is cULus 705 listed for electrical.

ATDR – Kitchen Exhaust
Model ATDR is similar to the ATD, but is specifically designed for exhausting grease-laden air from kitchens, restaurants, cooking and dishwasher hoods. Model ATDR is cULus 762 listed for the exhaust of grease-laden air.

Both the ATD and ATDR are licensed to bear the AMCA certified ratings seal for sound and air performance.

Model ATDR



* Damper not available on ATDR.

Dimensional Data and Weights

MODEL		A	B	C	E	AVG. UNIT WT. (LB.)
ATD	ATDR					
071-073	071-073	22.00	24.38	20.00	17.00	100
081-083	081-083	22.00	24.38	20.00	17.00	100
091-093	091-093	22.00	26.06	20.00	20.00	120
110	110	31.00	30.00	28.00	24.00	135
120	120	31.00	30.00	28.00	24.00	135
140	140	31.00	32.00	28.00	24.00	145
160	160	31.00	35.00	28.00	24.00	180
180	180	37.00	37.00	30.00	30.00	180

Dampers and Roof Curbs

MODEL		DAMPER SIZE	STANDARD CURB SIZE	SELF FLASH CURB SIZE	ROOF OPENING
ATD	ATDR				
071-073	071-073	10 x 10	15½ x 15½	16½ x 16½	10½ x 10½
081-083	081-083	10 x 10	15½ x 15½	16½ x 16½	10½ x 10½
091-093	091-093	14 x 14	18½ x 18½	19½ x 19½	14½ x 14½
110	110	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
120	120	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
140	140	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
160	160	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
180	180	24 x 24	28½ x 28½	29½ x 29½	24½ x 24½

Notes:
1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.
4. ATDR (Kitchen Exhaust) provided with self flashing, vented, 12" high curb.

ATDW/ATDWR – Wall Exhausters, Direct Drive

Aerovent's ATDW and ATDWR direct drive, wall mounted centrifugal exhausters are available in eight sizes from size 070 to 180.

Capacities range from 225 to 3,865 CFM and static pressures to 1.75 inches. All sizes are speed controllable with ODP 115V motors.

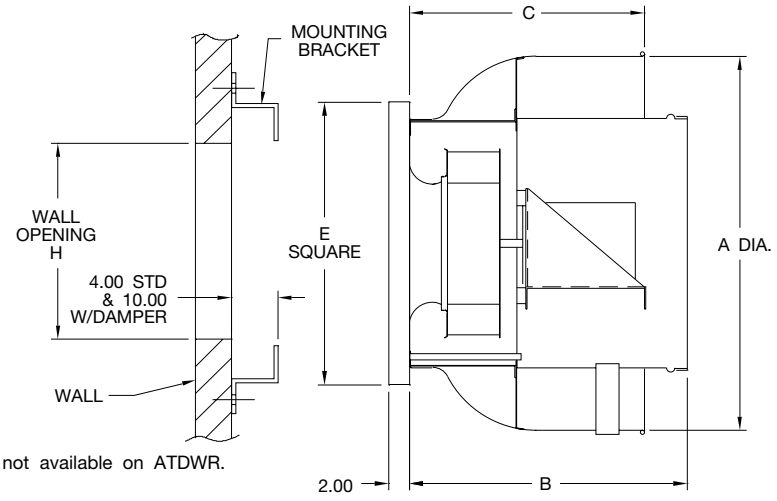
ATDW – General Exhaust
Model ATDW is designed for general exhaust of clean air in a wall-mounted, horizontal configuration. Model ATDW is cULus 705 listed for electrical.

ATDWR – Kitchen Exhaust
Model ATDWR is similar to the ATDW, but is specifically designed for exhausting grease-laden air from kitchens, restaurants, cooking and dishwasher hoods where upblast exhaust is not feasible. Model ATDWR is cULus 762 listed for the exhaust of grease-laden air.

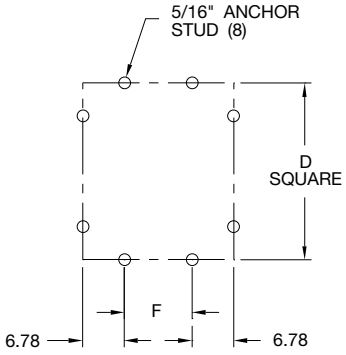
Both the ATDW and ATDWR are licensed to bear the AMCA certified ratings seal for sound and air performance.

Other ATDW/ATDWR applications include fume hood, paint booth, carbon monoxide exhaust. ATDW and ATDWR fans are supplied with a heavy-duty 4" wall-mounting bracket. A 10" wall-mounting bracket is supplied when a gravity or motorized damper is utilized.

Model ATDW



* Damper not available on ATDWR.



MOUNTING BRACKET HOLE MOUNTING PATTERN

Dimensional Data and Weights

MODEL		A	B	C	D	E	F	AVG. UNIT WT. (LB.)	DAMPER SIZE	WALL MTG. BRACKET	WALL OPENING (H)
ATDW	ATDWR										
071-073	071-073	22.00	24.38	20.00	18.56	17.00	5.00	100	10 x 10	16¾ x 16¾	10½ x 10½
081-083	081-083	22.00	24.38	20.00	18.56	17.00	5.00	100	10 x 10	16¾ x 16¾	10½ x 10½
091-093	091-093	22.00	26.06	20.00	21.56	20.00	8.00	120	14 x 14	19¾ x 19¾	14½ x 14½
110	110	31.00	30.00	28.00	25.56	24.00	12.00	135	17 x 17	23¾ x 23¾	17½ x 17½
120	120	31.00	30.00	28.00	25.56	24.00	12.00	135	17 x 17	23¾ x 23¾	17½ x 17½
140	140	31.00	32.00	28.00	25.56	24.00	12.00	145	17 x 17	23¾ x 23¾	17½ x 17½
160	160	31.00	35.00	28.00	25.56	24.00	12.00	180	17 x 17	23¾ x 23¾	17½ x 17½
180	180	37.00	37.00	30.00	31.56	30.00	18.00	180	24 x 24	29¾ x 29¾	24½ x 24½

Notes:
1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.

ATB/ATBR – Upblast Centrifugal Roof Ventilators

Aerovent type ATB and ATBR belt driven, upblast roof mounted centrifugal exhausters are available in twenty sizes from size 110 to 480, including seven high-pressure models.

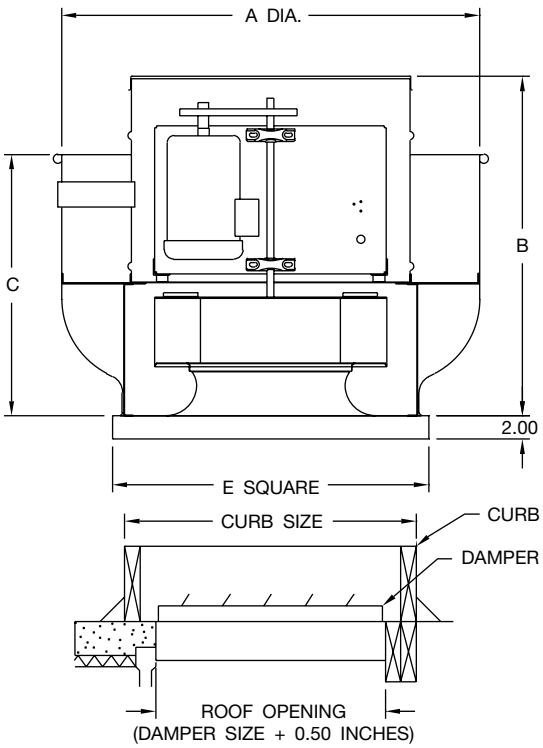
Capacities range from 500 to 29,000 CFM with static pressures to 3.25 inches.

ATB – General Exhaust
Model ATB is designed for roof mounted exhaust of clean air in applications where it is desirable to move the exhausted air up and away from the building, and where re-entry into the building supply air is possible. Model ATB is cULus 705 listed for electrical.

ATBR – Kitchen Exhaust
Model ATBR is similar to the ATB, but is specifically designed for exhausting grease-laden air from kitchens, restaurants, cooking and dishwasher hoods. Model ATBR is cULus 762 listed for the exhaust of grease-laden air.

Both the ATB and ATBR are licensed to bear the AMCA certified ratings seal for sound and air performance.

Model ATB



Dimensional Data and Weights

MODEL		A	B	C	E	AVG. UNIT WT. (LB.)
ATB	ATBR					
110	110	31.00	30.00	28.00	24.00	135
120	120	31.00	30.00	28.00	24.00	135
140	140	31.00	32.00	28.00	24.00	145
160	160	31.00	35.00	28.00	24.00	180
180	180	37.00	37.00	30.00	30.00	180
210	210	46.00	38.00	28.25	34.00	245
240	240	46.00	39.00	28.25	34.00	245
300	300	55.00	40.00	31.00	40.00	365
360	360	64.00	46.00	34.00	46.00	375
420	—	70.00	49.00	36.00	52.00	385
480	—	76.00	52.00	39.00	58.00	490

Dampers and Roof Curbs

MODEL		DAMPER	STANDARD	SELF FLASH	ROOF
ATB	ATBR	SIZE	CURB SIZE	CURB SIZE	OPENING
110	110	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
120	120	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
140	140	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
160	160	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
180	180	24 x 24	28½ x 28½	29½ x 29½	24½ x 24½
210	210	28 x 28	32½ x 32½	33½ x 33½	28½ x 28½
240	240	28 x 28	32½ x 32½	33½ x 33½	28½ x 28½
300	300	34 x 34	38½ x 38½	39½ x 39½	34½ x 34½
360	360	40 x 40	44½ x 44½	45½ x 45½	40½ x 40½
420	—	46 x 46	50½ x 50½	51½ x 51½	46½ x 46½
480	—	50 x 50	56½ x 56½	57½ x 57½	50½ x 50½

Notes:
1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.
4. ATBR (Kitchen Exhaust) provided with self flashing, vented, 12" high curb.

AWX/AWXR – Centrifugal Wall Ventilators

Aerovent's AWX and AWXR belt driven, wall mounted centrifugal exhausters are available in sixteen sizes from size 110 to 300, including six high-pressure models.

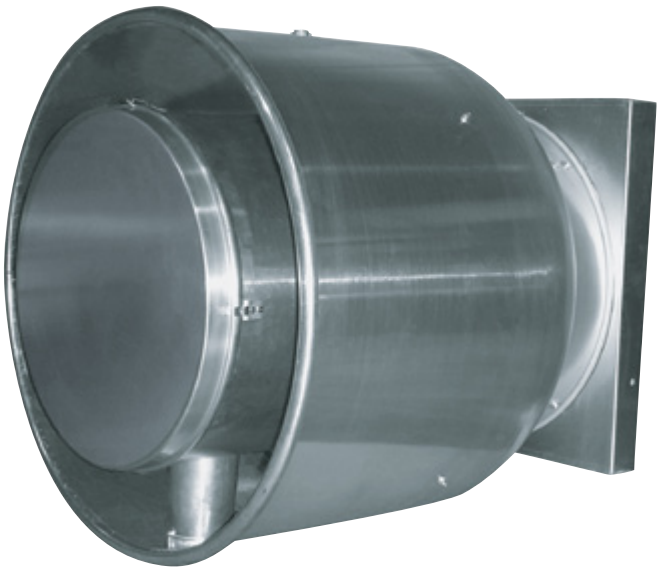
Capacities range from 500 to 12,000 CFM and static pressures to 3.25 inches.

AWX – General Exhaust
Model AWX is designed for general exhaust of clean air in a wall-mounted, horizontal configuration. Model AWX is cULus 705 listed for electrical.

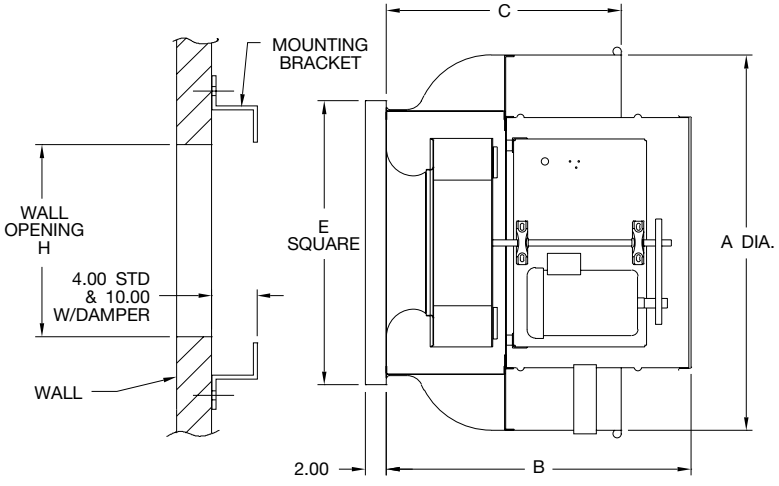
AWXR – Kitchen Exhaust
Model AWXR is similar to the AWX, but is specifically designed for exhausting grease-laden air from kitchens, restaurants, cooking and dishwasher hoods where upblast exhaust is not feasible. Model AWXR is cULus 762 listed for the exhaust of grease-laden air.

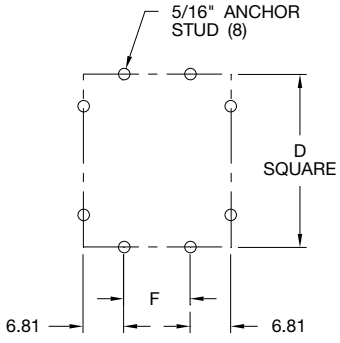
Both the AWX and AWXR are licensed to bear the AMCA certified ratings seal for sound and air performance.

Other AWX/AWXR applications include fume hood, paint booth, carbon monoxide exhaust. AWX and AWXR fans are supplied with a heavy-duty 4" wall-mounting bracket. A 10" wall-mounting bracket is supplied when a gravity or motorized damper is utilized.



Model AWX





MOUNTING BRACKET HOLE MOUNTING PATTERN

Dimensional Data and Weights

MODEL		A	B	C	D	E	F	AVG. UNIT WT. (LB.)	DAMPER SIZE	WALL MTG. BRACKET	WALL OPENING (H)
AWX	AWXR										
110	**110**	31.00	30.00	28.00	25.56	24.00	12.00	135	17 x 17	23¾ x 23¾	17½ x 17½
120	**120**	31.00	30.00	28.00	25.56	24.00	12.00	135	17 x 17	23¾ x 23¾	17½ x 17½
140	**140**	31.00	32.00	28.00	25.56	24.00	12.00	145	17 x 17	23¾ x 23¾	17½ x 17½
160	**160**	31.00	35.00	28.00	25.56	24.00	12.00	180	17 x 17	23¾ x 23¾	17½ x 17½
180	**180**	37.00	37.00	30.00	31.56	30.00	18.00	180	24 x 24	29¾ x 29¾	24½ x 24½
210	**210**	46.00	38.00	28.25	35.56	34.00	22.00	245	27 x 27	33¾ x 33¾	27½ x 27½
240	**240**	46.00	39.00	28.25	35.56	34.00	22.00	245	27 x 27	33¾ x 33¾	27½ x 27½
300	**300**	55.00	40.00	31.00	41.56	40.00	28.00	365	33 x 33	39¾ x 39¾	33½ x 33½

Notes:
1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.

Accessories

Backdraft Damper
Backdraft dampers with automatic or motorized operation, feature a felt seal on the edge of the damper blades for quiet operation. Damper frames are constructed of 20-gauge galvanized steel and blades are constructed of 26-gauge aluminum.

Motorized dampers are recommended for low CFM applications to assure unrestricted airflow. Motorized dampers are available with 115, 208, 230, 460 or 575 volt service; 460 and 575 volt service requires a step-down transformer. When a motorized damper option is selected a 12" (or greater) high roof curb is required.

Curb Hinge
The curb hinge arrangement provides easy access to the exhaust fan, backdraft damper and duct for servicing and cleaning. The curb hinge is of the piano type, running the entire length of the fan's curb base. The curb hinge option is factory installed and is available on all ACX, ATB, and ATBR models. The curb hinge arrangement is designed for use with a standard canted curb only.

Security Hasp
A security hasp is available in conjunction with the curb hinge arrangement to prevent removal of the unit from the unit curb cap and prevent entrance into the building through the roof's ductwork.

Retaining Chain
A retaining chain is available in conjunction with the curb hinge arrangement to stabilize the unit and to prevent damage from occurring to the unit while servicing and cleaning.

Aluminum Insect Screen
Available for ACX, ATB, and AWX fans only. Provides protection from entry of insects into wheel, inlet and interior of building.

Aluminum Bird Screen
Available for ACX fans only. Replaces the standard galvanized bird screen with an aluminum corrosion resistant screen.

Tamper Resistant Top Cover
Tamper resistant top covers are available to discourage theft. The tamper resistant top cover option requires special tools to remove the top cover.

Grease Box
Removable for the disposal of collected grease.

Prefabricated Roof Curbs
Prefabricated roof curbs are available in heavy duty galvanized steel or aluminum construction, in heights of 8", 12", or 18". The standard curb (canted) is provided with a factory installed wood nailer, while the optional self flashing design is provided with a $^{3}/_{16}$" polystyrene gasket. Both the standard curb and the self flashing design are provided with 1.5" of insulation as standard and feature continuously welded seams for added rigidity and moisture protection. Prefabricated curbs are also available in raised cant, pitched and peak models.

Minimum 12" high curbs are recommended for use with motorized damper.

ATBR (Kitchen Exhaust) roof curbs are self flashing, 12" high, galvanized steel with ventilation slots and 1/4" polystyrene gasket when combined with our roof curbs. All ATBR roof units provide a minimum 40" discharge height in accordance with NFPA-96 code requirements.

Variable Speed Control
Variable speed control is an optional accessory on all ACXD models with 115 volt, open type motors. Variable speed controllers are solid-state (Tri-ac) design. Speed control features include RFI filter, minimum speed trim adjustment capability, and built-in on/off line switch. The speed controller is designed to start the motor on high speed for better startup characteristics. Variable speed controls have the option of being shipped separately, factory installed, or field installed on the unit at a later date.

NEMA-4 Disconnect Switches
A NEMA-4, water and dust tight disconnect is available shipped loose for field mounting and wiring.

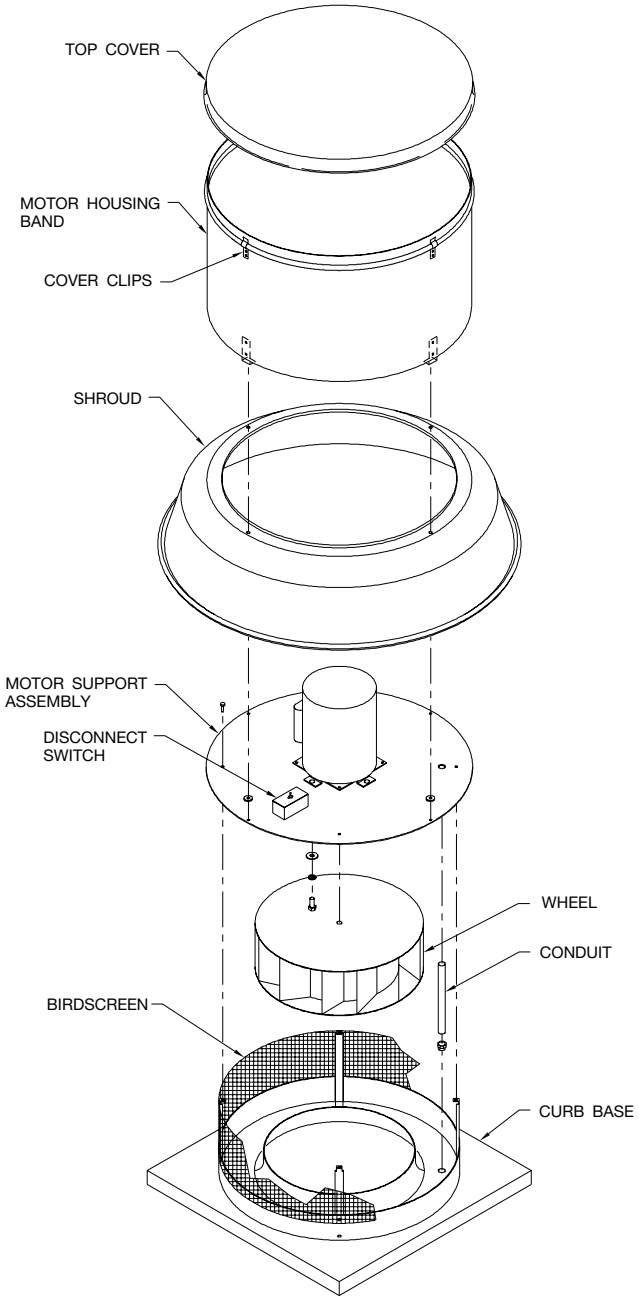
2-Speed Switch
Two speed switch is available for 2 speed/2 winding, single-phase motors to control fan speed, (high speed, low speed, off).

Firestat
The firestat option is intended to shut down the unit in case of a fire in the building. If the firestat sensing element is exposed to an air temperature over its setpoint, it will open, de-energizing the motor of the unit. The standard firestat is set to open at 140ºF and must be manually reset. The firestat cut-out point is field adjustable from 100ºF to 170ºF. Firestats are available for 115, 208, 230 and 277 volt, 1-phase units.

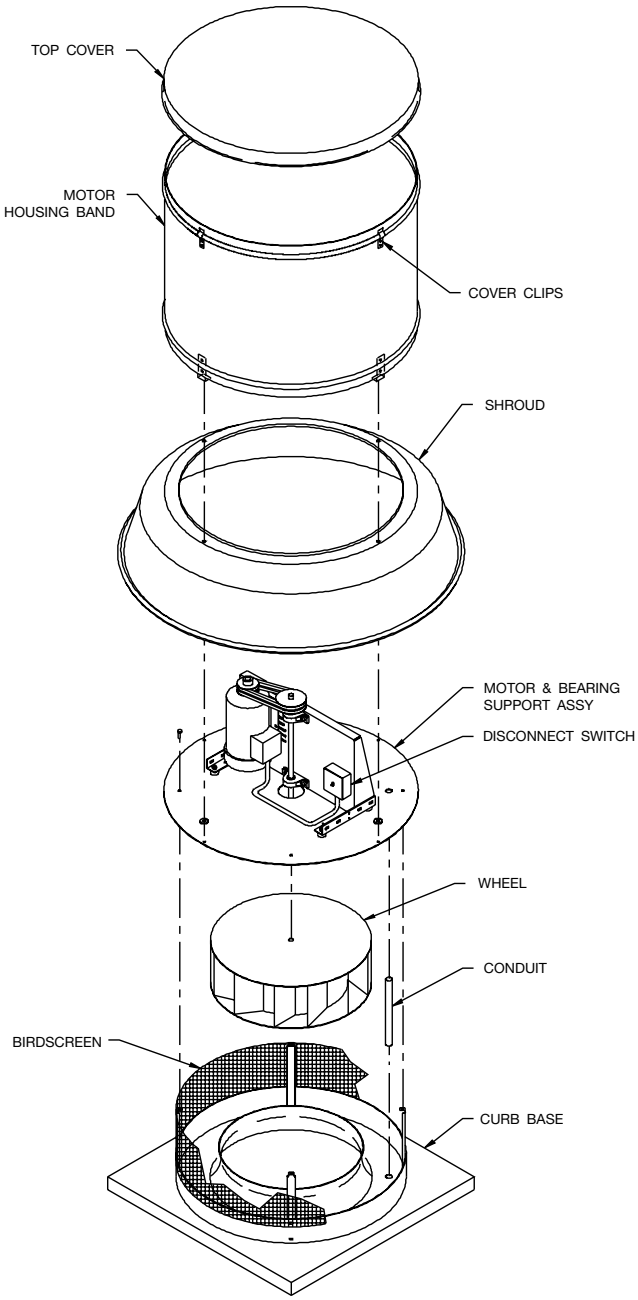
Special Coatings
Powered roof ventilators often require special coatings for protective and decorative purposes. Available coatings include air-dried enamel, air-dried epoxy, Heresite (air-dried phenolic), and Kynar 500. Contact your Aerovent representative for more information on available coatings and colors.

Exploded Parts View

ACXD

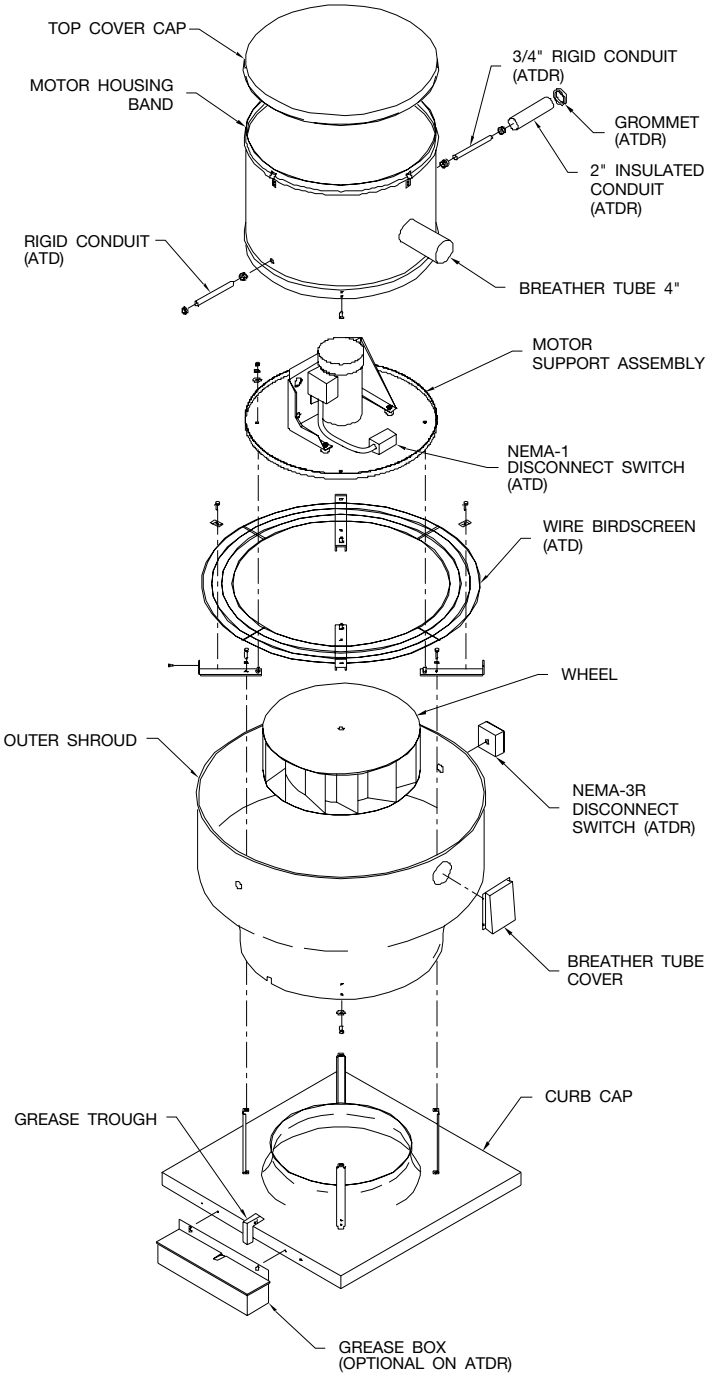


ACX

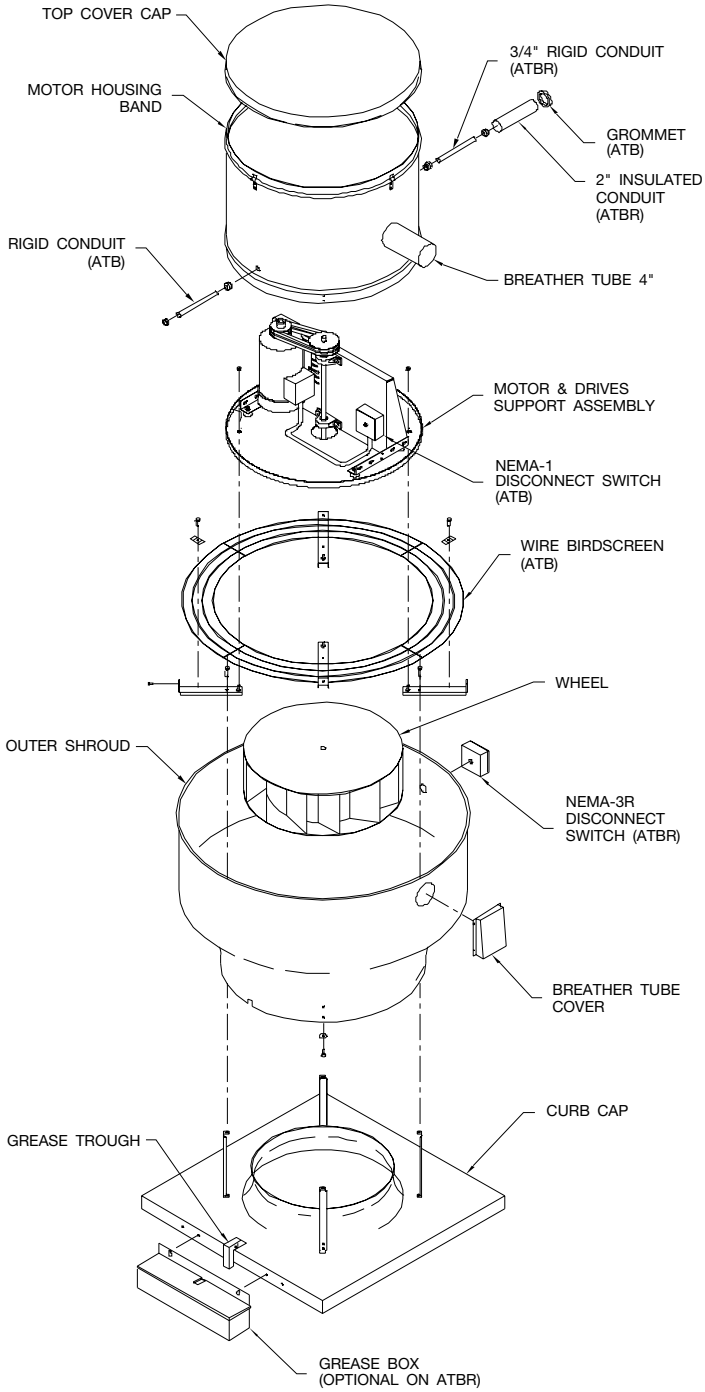


Exploded Parts View

ATD and ATDR

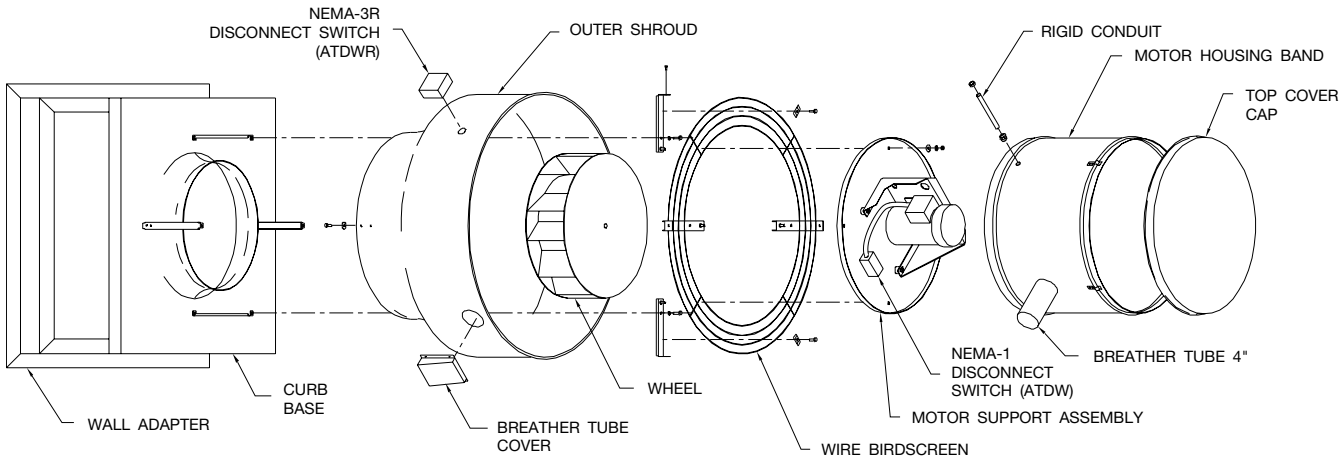


ATB and ATBR

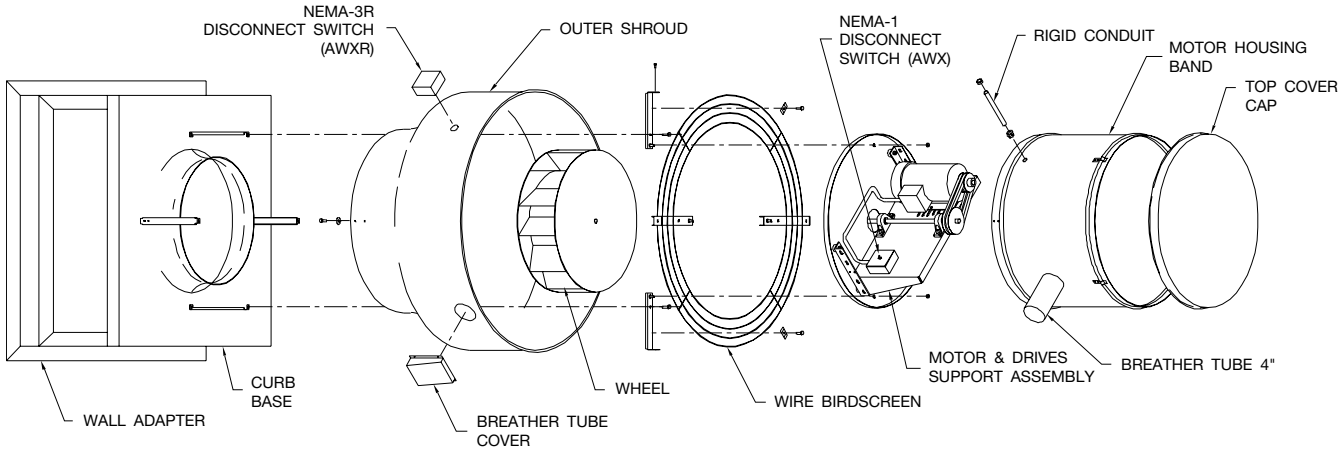


Exploded Parts View

ATDW and ATDWR



AWX and AWXR



Performance Data

060 – 085 ACXD

SIZE	MOTOR HP	RPM	STATIC PRESSURE (INCHES W.G.)									
			0	0.100	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000
			CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
060	1/8	950	151 0.00 2.5	101 0.01 2.5	84 0.01 2.4							
		1150	183 0.01 3.5	145 0.01 3.2	133 0.01 3.4							
		1350	215 0.01 4.6	183 0.01 4.3	174 0.01 4.2	121 0.01 4.4						
		1425	227 0.02 5.1	197 0.02 5.1	189 0.02 4.8	141 0.02 5.0						
		1500	238 0.02 5.9	211 0.02 5.9	203 0.02 5.6	159 0.02 5.7	91 0.02 5.2					
		1575	250 0.02 6.6	224 0.02 6.6	217 0.02 6.7	176 0.02 6.2	124 0.02 5.9					
		1650	262 0.02 7.9	238 0.02 7.9	231 0.02 7.9	193 0.03 6.8	147 0.02 6.6					
070	1/8	950	238 0.01 3.2	149 0.01 2.9	123 0.01 2.9							
		1150	288 0.01 4.5	219 0.01 4.0	199 0.01 4.3							
		1350	338 0.01 5.6	281 0.02 5.2	266 0.02 5.1	176 0.02 5.2						
		1425	356 0.02 6.1	303 0.03 5.6	289 0.02 5.4	207 0.02 5.2						
		1500	375 0.02 6.5	324 0.02 6.4	312 0.02 6.2	235 0.02 6.1						
		1575	394 0.02 7.2	346 0.02 7.4	333 0.02 7.0	263 0.02 6.9	177 0.02 6.5					
		1650	412 0.02 8.5	367 0.03 8.5	355 0.03 8.0	289 0.03 7.7	214 0.03 7.1					
080	1/8	950	294 0.00 3.0	176 0.01 2.5	137 0.01 2.7							
		1150	356 0.01 4.4	262 0.01 3.9	236 0.01 4.1							
		1350	418 0.01 5.8	340 0.02 5.2	319 0.02 5.1	198 0.01 5.2						
		1425	442 0.01 6.4	367 0.02 5.8	348 0.02 5.6	240 0.02 5.6						
		1500	465 0.02 6.9	395 0.02 6.4	376 0.02 6.2	277 0.02 6.0						
		1575	488 0.02 7.4	422 0.02 7.2	404 0.02 6.7	312 0.02 6.9						
		1650	512 0.02 7.9	448 0.03 7.9	432 0.03 7.5	345 0.03 7.7	240 0.03 7.3					
085	1/8	950	401 0.02 4.0	331 0.02 3.4	311 0.02 3.4	185 0.02 3.4						
		1150	485 0.04 5.8	430 0.04 5.7	414 0.04 5.2	328 0.04 5.3	214 0.04 5.0					
		1350	570 0.06 7.7	524 0.06 7.7	512 0.06 7.7	443 0.06 6.6	364 0.06 7.0	268 0.06 6.7				
		1425	601 0.07 8.4	558 0.07 8.4	547 0.07 8.4	483 0.07 7.3	412 0.07 7.8	328 0.07 7.3	202 0.06 7.1			
		1500	633 0.08 8.9	592 0.08 8.9	581 0.08 8.9	522 0.08 7.9	457 0.09 8.4	381 0.08 7.6	291 0.08 7.9			
		1575	665 0.09 9.6	626 0.09 9.6	616 0.10 9.6	560 0.10 8.6	499 0.10 8.5	431 0.10 8.9	353 0.10 8.4	244 0.08 8.4		
		1650	696 0.10 10.2	660 0.11 10.2	650 0.11 10.2	598 0.11 9.6	540 0.11 9.1	479 0.11 9.6	407 0.10 9.0	325 0.11 9.1		

NOTES:

1. The AMCA Seal for sound ratings does not apply to units with speed control.
2. Performance certified is for installation Type A: Free inlet, Free outlet.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. Sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301-90. Values shown are for installation Type A: Free inlet fan sone levels.
5. Highlighted speeds indicate nominal speeds without speed control. All other speeds are intermediate speeds set with the solid-state speed controller.
6. 1/8 HP motor is 3-speed (1650 RPM/1500 RPM/1350 RPM).
7. Speed control is available for ODP 115/60/1 only, wired at either the 1650 or the 1500 RPM taps.

Performance Data

090 – 120 ACXD

SIZE	MOTOR HP	RPM	STATIC PRESSURE (INCHES W.G.)									
			0	0.100	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000
			CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
090	1/8	950	519 0.02 4.0	430 0.02 3.5	403 0.02 3.5	235 0.02 3.5						
		1150	628 0.04 5.7	558 0.04 5.6	538 0.04 5.3	422 0.04 5.3	273 0.04 5.0					
		1350	737 0.06 7.6	679 0.06 7.6	663 0.06 7.6	574 0.07 6.8	467 0.07 6.8	340 0.07 6.8				
		1425	778 0.07 8.3	723 0.07 8.3	709 0.08 8.3	627 0.08 7.4	530 0.08 7.7	417 0.08 7.3	253 0.07 7.2			
		1500	819 0.08 8.9	767 0.09 8.9	754 0.09 8.9	678 0.09 8.1	589 0.10 8.4	488 0.09 7.7	370 0.09 8.0			
		1575	860 0.09 9.6	811 0.10 9.6	798 0.10 9.6	728 0.11 8.7	646 0.11 8.7	553 0.11 8.8	448 0.11 8.6	310 0.10 8.6		
		1650	901 0.11 10.4	854 0.11 10.4	842 0.11 10.4	776 0.12 9.8	701 0.13 9.3	616 0.13 9.8	521 0.12 9.2	413 0.12 9.5		
095	1/8	950	700 0.03 4.6	574 0.03 4.0	538 0.03 4.1	283 0.03 3.6						
		1150	848 0.04 6.6	747 0.05 6.3	719 0.05 6.0	564 0.05 6.0	323 0.04 5.3					
		1350	995 0.07 8.7	911 0.08 8.7	889 0.08 8.3	767 0.08 7.8	623 0.08 7.5	411 0.07 7.1				
		1425	1050 0.08 9.5	972 0.09 9.5	951 0.09 9.5	837 0.10 8.7	709 0.10 8.9	534 0.09 7.8	304 0.07 7.5			
		1500	1106 0.10 10.6	1031 0.11 10.6	1012 0.11 10.6	905 0.11 9.8	789 0.11 9.9	644 0.11 8.4	443 0.10 8.4			
		1575	1161 0.11 11.3	1090 0.12 11.3	1072 0.12 11.3	972 0.13 11.2	864 0.13 11.0	738 0.13 10.5	568 0.12 9.5	368 0.10 9.2		
		1650	1216 0.13 13.6	1149 0.14 13.6	1131 0.14 13.6	1038 0.15 12.8	936 0.15 11.7	823 0.15 12.4	682 0.15 10.1	497 0.13 10.1		
100	1/15*	500	430 0.01 1.6									
		700	602 0.01 3.7	391 0.02 3.3	318 0.01 3.1							
		860	740 0.03 5.4	581 0.03 4.8	534 0.03 5.1	229 0.02 4.4						
	1/8*	1000	860 0.04 7.0	727 0.04 6.5	691 0.04 6.2	465 0.04 5.9						
		1160	998 0.06 9.0	885 0.07 8.6	855 0.07 8.5	687 0.07 8.5	467 0.06 7.7					
	1/3*	1450	1247 0.12 12.9	1158 0.13 12.9	1135 0.13 12.9	1015 0.13 11.6	877 0.13 12.4	713 0.13 11.4	524 0.12 11.6			
		1750	1505 0.22 17.5	1432 0.22 17.5	1413 0.22 17.5	1317 0.23 16.7	1216 0.23 16.0	1103 0.23 16.7	977 0.23 16.6	834 0.22 15.7	677 0.21 16.0	517 0.19 15.9
120	1/15*	500	572 0.01 1.8									
		700	802 0.02 3.9	571 0.02 3.4	499 0.02 3.2							
		860	985 0.03 5.8	806 0.04 4.8	756 0.04 4.7	450 0.04 4.8						
	1/8*	1000	1145 0.05 7.2	995 0.06 6.7	955 0.06 6.3	723 0.07 6.4	418 0.06 6.4					
		1160	1328 0.08 9.4	1201 0.10 9.4	1168 0.10 9.0	985 0.10 8.3	768 0.10 8.0	496 0.09 8.2				
	1/3*	1450	1660 0.16 13.2	1560 0.18 13.2	1535 0.18 13.2	1399 0.19 11.9	1251 0.20 12.1	1085 0.20 12.5	902 0.19 11.8	682 0.18 11.9		
		1750	2004 0.29 18.0	1922 0.31 18.0	1901 0.31 18.0	1793 0.33 17.9	1678 0.34 16.4	1557 0.35 16.7	1427 0.35 17.7	1284 0.35 16.7	1132 0.34 15.7	968 0.33 16.3

* 3-phase units are supplied with 1/8 HP 860 RPM, 1/4 HP 1160 RPM and 1/2 HP 1750 RPM motors.

NOTES:

1. The AMCA Seal for sound ratings does not apply to units with speed control.
2. Performance certified is for installation Type A: Free inlet, Free outlet.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. Sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301-90. Values shown are for installation Type A: Free inlet fan sone levels.
5. Highlighted speeds indicate nominal speeds without speed control. All other speeds are intermediate speeds set with the solid-state speed controller.
6. Speed control is available for ODP 115/60/1 only.

Performance Data

130 – 180 ACXD

SIZE	MOTOR HP	RPM	STATIC PRESSURE (INCHES W.G.)									
			0	0.100	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000
			CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
130	1/8	500	778 0.01 2.2	415 0.02 1.9	276 0.01 1.9							
		700	1089 0.04 5.2	865 0.04 4.6	804 0.04 4.9	364 0.04 4.5						
		860	1338 0.07 7.4	1163 0.07 7.0	1114 0.07 6.7	845 0.08 6.8	456 0.07 6.8					
	1/4	1000	1556 0.11 9.4	1408 0.11 9.4	1368 0.12 8.9	1157 0.12 9.4	895 0.12 9.0	552 0.11 9.0				
		1160	1805 0.17 12.1	1679 0.18 12.1	1646 0.18 12.1	1470 0.18 11.5	1282 0.19 12.9	1048 0.19 12.1	760 0.18 12.7			
	1/2	1450	2256 0.33 17.0	2156 0.34 17.0	2131 0.34 17.0	1998 0.35 17.2	1856 0.36 17.1	1709 0.37 18.0	1550 0.37 18.7	1362 0.37 17.2	1139 0.36 18.0	904 0.34 18.0
		1750	2723 0.58 22	2641 0.59 22	2620 0.59 22	2513 0.60 22	2402 0.62 23	2285 0.62 22	2164 0.63 23	2041 0.64 24	1910 0.65 25	1763 0.65 24
140	1/8	500	884 0.02 2.9	502 0.02 2.1	344 0.02 2.1							
		700	1237 0.04 6.3	999 0.05 5.0	931 0.05 5.1	459 0.04 4.6						
		860	1520 0.08 9.0	1334 0.08 8.3	1283 0.08 7.8	994 0.09 7.5	573 0.08 7.0					
	1/4	1000	1767 0.13 11.0	1611 0.13 11.0	1569 0.13 10.6	1340 0.13 9.4	1067 0.13 8.7	688 0.12 9.1				
		1160	2050 0.20 14.3	1917 0.20 14.3	1882 0.20 14.3	1695 0.21 12.1	1488 0.21 12.3	1248 0.21 11.1	940 0.19 11.6			
150	1/8	500	1192 0.03 3.1	714 0.03 2.4	571 0.03 2.6							
		700	1670 0.08 6.0	1350 0.08 5.2	1267 0.08 5.4	779 0.07 5.3						
		860	2051 0.14 8.6	1788 0.14 8.1	1725 0.15 7.7	1378 0.15 8.2	965 0.13 7.8					
	1/4	1000	2385 0.22 10.9	2157 0.22 10.9	2102 0.23 10.4	1822 0.23 9.8	1499 0.23 9.9	1142 0.21 10.0	766 0.19 10.1			
		1160	2767 0.34 13.8	2569 0.35 13.8	2521 0.35 13.8	2284 0.36 12.2	2035 0.36 13.0	1750 0.35 12.8	1445 0.34 12.6	1127 0.31 12.8	777 0.28 12.6	
160	1/4*	500	1394 0.04 4.3	936 0.04 3.6	792 0.04 3.3							
		700	1952 0.10 8.7	1661 0.12 7.6	1577 0.12 7.1	1089 0.12 6.9						
		860	2398 0.19 11.9	2171 0.21 11.9	2109 0.21 11.4	1755 0.22 10.3	1346 0.22 9.8	854 0.19 9.9				
	1/2*	1000	2788 0.30 14.2	2597 0.32 14.2	2546 0.32 14.2	2265 0.34 12.2	1941 0.35 13.0	1585 0.34 12.3	1197 0.31 12.9			
		1160	3234 0.46 17.5	3071 0.49 17.5	3028 0.49 17.5	2801 0.52 16.5	2546 0.54 15.7	2262 0.54 16.2	1956 0.54 15.4	1644 0.51 15.8	1278 0.47 15.9	
170	1/4*	500	1669 0.05 4.0	1183 0.05 3.6	1031 0.05 3.3							
		700	2337 0.14 7.8	2015 0.14 7.1	1929 0.14 6.6	1421 0.14 6.1	845 0.13 6.4					
		860	2871 0.25 10.8	2613 0.26 10.8	2546 0.26 10.6	2185 0.27 9.6	1755 0.27 8.7	1293 0.25 9.2	750 0.21 8.7			
	1/2*	1000	3338 0.40 13.8	3118 0.40 13.8	3061 0.40 13.8	2768 0.42 12.2	2437 0.43 12.4	2063 0.42 11.5	1663 0.41 11.6	1260 0.38 12.2		
		1160	3872 0.62 17.4	3684 0.62 17.4	3636 0.63 17.4	3388 0.64 16.5	3128 0.66 15.4	2839 0.67 15.8	2521 0.66 15.7	2182 0.65 14.4	1837 0.63 15.3	1488 0.60 15.4
180	1/2	500	2165 0.08 5.1	1660 0.08 4.5	1512 0.08 4.8	440 0.05 4.2						
		700	3031 0.21 9.8	2693 0.22 9.5	2601 0.22 9.0	2096 0.23 9.1	1496 0.21 9.2					
		860	3724 0.38 13.6	3454 0.40 13.6	3383 0.40 13.6	3005 0.41 12.4	2583 0.42 13.6	2115 0.41 12.8	1571 0.37 13.6			
	1	1000	4330 0.60 17.6	4100 0.62 17.6	4041 0.62 17.6	3729 0.64 17.1	3392 0.65 16.5	3025 0.66 17.5	2631 0.65 16.8	2195 0.62 17.1	1696 0.57 17.1	879 0.43 15.3
		1160	5023 0.94 23	4826 0.96 23	4776 0.96 23	4515 0.98 23	4239 1.00 21	3945 1.02 21	3633 1.02 22	3304 1.02 22	2954 1.01 20	2575 0.97 21

* 3-phase units are supplied with 1/2 HP 860 RPM and 1 HP 1160 RPM motors.

NOTES:

1. The AMCA Seal for sound ratings does not apply to units with speed control.
2. Performance certified is for installation Type A: Free inlet, Free outlet.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. Sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301-90. Values shown are for installation Type A: Free inlet fan sone levels.
5. Highlighted speeds indicate nominal speeds without speed control. All other speeds are intermediate speeds set with the solid-state speed controller.
6. Speed control is available for ODP 115/60/1 only.

Performance Data

070C ACX

Max. Motor Frame = 48

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.375
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	795	180 0.01 4.0	85 0.01 4.0										
	1125	254 0.02 7.4	197 0.02 7.4	120 0.02 7.4									
	1375	311 0.03 4.4	263 0.03 6.5	214 0.03 8.4	145 0.03 9.1								
	1590	359 0.05 5.5	316 0.05 6.3	279 0.05 7.4	234 0.05 8.2	169 0.04 8.4							
	1775	401 0.06 6.5	362 0.06 6.6	329 0.06 6.8	290 0.06 7.3	251 0.06 7.9	187 0.06 7.9						
	1945	440 0.08 7.4	403 0.08 7.4	372 0.08 7.0	340 0.08 6.9	303 0.08 7.7	267 0.08 8.0	206 0.08 7.8					
	2100	475 0.10 8.6	441 0.10 8.7	411 0.10 8.1	383 0.11 7.9	350 0.11 8.4	316 0.11 9.0	282 0.11 9.2	222 0.10 9.1				

075C ACX

Max. Motor Frame = 48

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.375
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	940	322 0.02 3.7	217 0.02 3.5										
	1060	363 0.02 4.4	278 0.02 4.5										
	1180	404 0.03 5.0	327 0.03 4.7	214 0.03 4.7									
	1300	445 0.04 5.5	372 0.04 5.2	291 0.05 5.3									
	1420	486 0.05 6.0	419 0.06 6.0	355 0.06 5.6	242 0.06 5.4								
	1540	527 0.06 6.6	467 0.07 6.6	412 0.07 6.2	327 0.08 6.5	167 0.06 5.6							
	1660	568 0.08 7.5	514 0.09 7.5	459 0.09 7.0	393 0.09 7.4	296 0.09 6.7							
	1780	609 0.10 8.5	560 0.11 8.5	504 0.11 8.0	456 0.11 7.9	378 0.12 8.4	260 0.11 7.5						
	1900	650 0.12 9.4	605 0.13 9.4	550 0.14 9.2	510 0.14 8.7	445 0.14 9.2	365 0.14 8.9	225 0.12 8.1					

085C ACX

Max. Motor Frame = 48

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	715	325 0.01 4.1	229 0.01 2.6										
	975	444 0.02 7.4	388 0.02 5.6	297 0.02 4.7									
	1200	546 0.03 9.9	504 0.04 9.6	445 0.04 6.5	368 0.04 6.4	232 0.03 4.8							
	1450	660 0.06 13.1	627 0.06 13.1	587 0.06 10.9	533 0.07 8.7	472 0.07 9.1	393 0.07 6.9						
	1600	728 0.08 14.7	699 0.08 14.7	665 0.08 13.5	622 0.09 10.8	570 0.09 9.9	513 0.09 10.2	441 0.09 8.2	332 0.08 7.4				
	1750	796 0.10 16.1	770 0.11 16.1	740 0.11 16.1	705 0.11 13.2	661 0.11 11.1	613 0.12 11.2	560 0.12 11.5	496 0.12 9.4	412 0.11 8.3			
	1880	855 0.13 16.8	831 0.13 16.8	804 0.13 16.8	773 0.14 15.1	737 0.14 12.7	693 0.14 11.5	648 0.14 12.1	598 0.14 11.9	538 0.14 10.5	464 0.14 8.9		
	2075	944 0.17 18.4	922 0.18 18.4	898 0.18 18.4	872 0.18 17.7	843 0.18 15.8	808 0.19 13.6	769 0.19 12.5	728 0.19 13.0	685 0.19 13.3	635 0.19 12.4	578 0.19 10.8	
	2280	1037 0.23 19.3	1017 0.23 19.3	996 0.24 19.3	973 0.24 19.3	949 0.24 18.1	921 0.24 16.2	890 0.25 14.7	854 0.25 13.7	817 0.25 13.7	779 0.26 14.1	738 0.26 14.0	639 0.25 11.9

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

100C ACX

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.375
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	775	725 0.03 4.8	591 0.03 4.2	448 0.03 3.9									
	925	865 0.05 6.5	749 0.06 5.7	651 0.06 6.3	498 0.06 5.4								
	1250	1169 0.13 10.0	1080 0.14 10.1	999 0.14 8.7	924 0.14 9.3	856 0.15 10.0	755 0.15 8.2						
	1510	1412 0.23 14.0	1337 0.24 14.0	1267 0.24 12.3	1202 0.25 11.6	1139 0.25 11.8	1081 0.26 12.7	1024 0.26 12.7	946 0.26 10.8	812 0.25 10.4			
1/3	1590	1487 0.26 14.9	1416 0.27 14.9	1349 0.28 13.6	1285 0.29 12.6	1225 0.29 12.5	1167 0.30 13.3	1114 0.30 14.1	1057 0.30 13.5	970 0.30 11.0	834 0.29 11.2		
	1665	1557 0.30 16.1	1489 0.31 16.1	1424 0.32 14.9	1363 0.33 13.8	1305 0.33 13.3	1248 0.34 13.6	1196 0.34 14.5	1145 0.35 15.0	1085 0.35 13.7	990 0.34 12.1	851 0.33 12.2	

100-HP ACX

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	1275	331 0.04 5.4											
	1400	436 0.06 8.3	344 0.06 6.3										
	1600	570 0.09 9.9	513 0.09 10.2	441 0.09 8.2	332 0.08 7.4								
	1820	702 0.13 11.9	657 0.13 11.3	608 0.13 11.6	553 0.13 11.2	484 0.13 8.7							
	2280	949 0.24 18.1	921 0.24 16.2	890 0.25 14.7	854 0.25 13.7	817 0.25 13.7	738 0.26 14.0	639 0.25 11.9	499 0.24 10.8				
1/3	2415	1016 0.29 19.5	992 0.29 18.3	965 0.29 16.4	933 0.30 15.3	899 0.30 14.4	829 0.30 14.8	748 0.31 14.8	647 0.30 11.9	495 0.28 11.4			
	2550	1083 0.33 22	1061 0.34 21	1037 0.34 18.7	1010 0.35 17.4	979 0.35 16.3	914 0.36 15.6	844 0.36 16.4	763 0.36 15.3	662 0.35 12.6	502 0.32 12.5		
1/2	2725	1169 0.41 24	1149 0.41 24	1128 0.41 23	1105 0.42 21	1079 0.42 19.4	1020 0.43 17.5	958 0.44 17.6	892 0.44 17.9	815 0.44 16.9	722 0.43 14.1	596 0.41 14.1	
	2900	1254 0.49 27	1235 0.49 27	1216 0.49 26	1196 0.50 24	1174 0.50 23	1123 0.51 20	1066 0.52 19.3	1008 0.53 19.5	944 0.53 20	872 0.53 18.9	786 0.52 16.4	681 0.51 15.8

120C ACX

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	575	745 0.02 3.1	563 0.02 2.7										
	825	1068 0.06 6.3	940 0.06 5.4	817 0.07 5.6	633 0.07 4.9								
	1050	1360 0.12 9.2	1255 0.12 8.7	1163 0.13 7.9	1067 0.13 7.9	942 0.14 8.2							
	1300	1684 0.22 12.6	1598 0.23 12.6	1517 0.24 11.5	1444 0.25 10.8	1371 0.25 10.7	1284 0.26 11.3	1181 0.26 11.3	1068 0.26 10.1				
1/3	1365	1768 0.25 13.6	1686 0.27 13.6	1609 0.28 12.7	1537 0.28 11.7	1469 0.29 11.6	1393 0.30 11.7	1302 0.30 12.3	1200 0.30 11.7	1084 0.30 10.3			
	1430	1852 0.29 14.5	1774 0.30 14.5	1699 0.32 13.8	1629 0.32 12.9	1565 0.33 12.4	1497 0.34 12.5	1417 0.34 13.1	1324 0.35 13.3	1226 0.35 12.5	1099 0.34 11.3		
1/2	1540	1994 0.36 16.4	1921 0.38 16.4	1852 0.39 15.7	1785 0.40 14.7	1723 0.41 13.9	1663 0.42 13.8	1598 0.42 14.0	1523 0.43 14.7	1437 0.43 14.8	1346 0.43 14.0	1245 0.43 12.6	
	1650	2137 0.45 17.9	2068 0.46 17.9	2003 0.48 17.9	1940 0.49 16.8	1880 0.50 15.9	1824 0.51 15.5	1767 0.51 15.1	1705 0.52 15.6	1634 0.53 16.0	1555 0.53 16.5	1470 0.53 15.9	1265 0.53 13.5

NOTES:
1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

140C ACX

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																			
		0		0.125		0.25		0.375		0.50		0.625		0.75		0.875		1.00		1.25		1.50		1.75	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
1/4	475	850		584																					
		0.02	2.2	0.02	2.0																				
	550	984		762																					
		0.03	3.2	0.03	3.0																				
	825	1477		1345		1183		1017																	
		0.09	6.8	0.10	6.7	0.11	6.2	0.11	6.2																
	1105	1978		1883		1779		1659		1536		1415		1264											
		0.22	11.0	0.24	11.0	0.25	10.5	0.25	9.6	0.26	10.2	0.26	10.3	0.26	8.7										
1/3	1165	2085		1996		1898		1788		1670		1558		1433											
		0.26	12.0	0.28	12.0	0.29	11.6	0.30	10.7	0.30	10.8	0.30	11.6	0.30	10.6										
	1225	2193		2108		2016		1915		1803		1694		1586		1457									
		0.30	13.0	0.32	13.0	0.33	13.0	0.34	11.7	0.35	11.6	0.35	12.3	0.35	12.4	0.35	11.1								
1/2	1310	2345		2266		2181		2091		1989		1883		1783		1681		1559							
		0.37	14.4	0.39	14.4	0.41	14.8	0.42	13.8	0.42	13.3	0.43	13.4	0.43	14.2	0.43	13.9	0.43	12.1						
	1400	2506		2432		2354		2272		2181		2083		1985		1892		1796		1544					
		0.45	16.2	0.47	16.2	0.49	16.2	0.51	16.1	0.51	15.6	0.52	15.2	0.52	15.4	0.52	16.3	0.53	15.9	0.52	12.7				
3/4	1500	2685		2616		2544		2469		2388		2300		2208		2117		2031		1840					
		0.55	19.0	0.58	19.0	0.60	19.0	0.61	18.6	0.63	17.9	0.63	16.9	0.64	16.7	0.64	17.3	0.64	17.9	0.65	16.2				
	1605	2873		2809		2742		2673		2600		2522		2438		2351		2266		2104		1911			
		0.68	21	0.70	21	0.73	21	0.75	21	0.76	19.9	0.77	18.8	0.78	18.5	0.78	18.2	0.79	18.9	0.79	19.4	0.79	16.9		
1	1685	3016		2955		2892		2827		2758		2687		2609		2527		2445		2288		2125		1921	
		0.79	23	0.81	23	0.84	23	0.86	23	0.88	22	0.89	21	0.90	19.7	0.90	19.5	0.91	19.6	0.91	21	0.92	19.9	0.91	16.7
	1765	3159		3101		3041		2979		2915		2848		2777		2701		2622		2468		2320		2150	
		0.90	24	0.93	24	0.96	24	0.98	24	1.00	24	1.02	23	1.03	22	1.03	21	1.04	21	1.05	22	1.05	22	1.05	20

140-HP ACX

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)																			
		0.50		0.625		0.75		0.875		1.00		1.25		1.50		1.75		2.00		2.25		2.50		2.75	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
1/4	1310	499																							
		0.07	6.4																						
	1750	870		811		747		677		600															
		0.17	11.6	0.17	12.2	0.17	12.4	0.17	10.9	0.16	10.4														
	2015	1069		1018		966		913		857		731													
		0.25	14.7	0.26	13.9	0.26	14	0.26	14.9	0.26	15.0	0.25	12.4												
1/3	2125	1147		1101		1052		1003		952		841		715											
		0.30	16.4	0.30	15.2	0.30	15	0.30	15.3	0.30	16.1	0.30	14.7	0.29	13.8										
	2235	1224		1182		1136		1089		1043		943		830											
		0.34	17.8	0.35	16.9	0.35	16	0.35	16	0.35	16.5	0.35	16.7	0.34	14.2										
1/2	2400	1337		1300		1259		1217		1173		1085		989		882									
		0.42	21	0.42	19.7	0.43	18.8	0.43	17.9	0.43	17.8	0.43	19.1	0.43	18.5	0.43	15.7								
	2560	1445		1411		1375		1337		1296		1215		1130		1039		937		825					
		0.51	23	0.51	23	0.52	22	0.52	21	0.52	19.9	0.53	20	0.53	21	0.52	20	0.52	17.4	0.50	18.3				
3/4	2790	1597		1567		1536		1503		1468		1394		1319		1242		1159		1070		973			
		0.65	28	0.66	26	0.66	26	0.67	25	0.67	24	0.68	23	0.68	23	0.68	24	0.68	24	0.67	21	0.66	21		
	2920	1682		1654		1625		1594		1562		1493		1422		1349		1274		1194		1107		1014	
		0.74	29	0.75	29	0.76	28	0.76	27	0.77	26	0.78	25	0.78	24	0.78	25	0.78	26	0.78	25	0.77	22	0.76	22

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

160C ACX

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	475	1321 0.03 3.2	1001 0.04 2.8										
	625	1738 0.07 5.5	1519 0.08 4.8	1235 0.08 4.9									
	775	2155 0.13 7.9	1987 0.14 7.6	1783 0.15 6.5	1551 0.15 7.0	1199 0.15 5.8							
	930	2586 0.23 10.6	2449 0.24 10.6	2296 0.25 9.6	2117 0.26 8.7	1927 0.26 9.2	1697 0.26 9.1						
1/3	975	2711 0.26 11.4	2582 0.27 11.4	2438 0.28 10.4	2273 0.30 9.7	2093 0.30 9.8	1898 0.30 10.0	1634 0.30 8.8					
	1020	2837 0.30 12.1	2713 0.31 12.1	2578 0.32 11.5	2425 0.33 10.4	2255 0.34 10.0	2078 0.35 10.6	1865 0.34 10.3	1547 0.33 9.0				
1/2	1100	3059 0.38 13.3	2945 0.39 13.3	2822 0.40 13.0	2687 0.41 12.0	2535 0.43 11.2	2376 0.43 11.4	2209 0.44 12.0	2006 0.43 11.5	1724 0.42 10.1			
	1180	3282 0.46 14.5	3176 0.48 14.5	3063 0.49 14.5	2942 0.50 13.6	2807 0.52 12.7	2661 0.53 12.3	2512 0.54 12.8	2354 0.54 13.2	2164 0.53 12.6			
3/4	1260	3504 0.57 16.2	3405 0.58 16.2	3301 0.59 16.2	3190 0.61 15.4	3070 0.62 14.5	2938 0.64 13.7	2800 0.65 13.6	2660 0.65 14.1	2510 0.65 14.5	2116 0.64 13.0		
	1340	3727 0.68 17.6	3634 0.70 17.6	3537 0.71 17.6	3435 0.73 17.2	3326 0.74 16.2	3207 0.76 15.3	3080 0.77 14.7	2949 0.78 14.7	2817 0.79 15.5	2515 0.78 15.5	2059 0.75 13.8	
1	1405	3907 0.78 18.6	3819 0.80 18.6	3727 0.82 18.6	3631 0.83 18.6	3529 0.85 17.8	3420 0.86 16.7	3303 0.88 16.3	3179 0.89 15.8	3054 0.90 16.2	2791 0.91 17.2	2453 0.89 16.5	
	1475	4102 0.91 20	4018 0.92 20	3931 0.94 20	3840 0.96 19.7	3745 0.97 19.4	3645 0.99 18.4	3537 1.01 17.6	3422 1.02 16.9	3304 1.04 16.8	3063 1.05 17.9	2786 1.05 18.2	2410 1.02 16.0

160-HP ACX

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	1100	1021 0.16 8.7	872 0.15 7.6										
	1225	1231 0.21 9.8	1133 0.21 10.2	1003 0.21 9.3	826 0.21 8.4								
	1300	1352 0.25 10.2	1263 0.25 11.1	1162 0.26 11.1	1029 0.26 9.8	850 0.24 9.0							
1/3	1370	1464 0.29 11.0	1377 0.29 11.7	1291 0.30 12.4	1186 0.30 11.8	1051 0.30 9.7							
	1435	1567 0.34 11.7	1482 0.33 12.0	1401 0.34 12.7	1314 0.34 12.8	1204 0.35 12.2							
1/2	1545	1737 0.42 13.4	1658 0.42 12.9	1580 0.42 13.4	1505 0.42 14.2	1425 0.43 14.4	1208 0.43 11.9						
	1655	1902 0.52 14.6	1830 0.52 14.4	1757 0.51 14.4	1685 0.51 14.9	1615 0.52 15.8	1454 0.53 15.5	1229 0.52 12.5					
3/4	1770	2071 0.63 16.7	2006 0.64 16.2	1938 0.63 16.1	1869 0.63 16.1	1802 0.63 16.5	1669 0.64 17.4	1503 0.65 16.5	1280 0.63 13.6				
	1890	2244 0.77 18.6	2185 0.77 17.9	2123 0.77 17.4	2059 0.77 17.3	1995 0.76 17.3	1871 0.77 18.4	1741 0.79 18.9	1575 0.79 17.6	1362 0.77 14.8			
1	1980	2372 0.88 20	2317 0.89 19.7	2259 0.89 18.9	2199 0.89 18.7	2138 0.88 18.5	2017 0.88 18.8	1899 0.90 20	1764 0.91 20	1590 0.90 17.7	1374 0.88 16.3		
	2075	2506 1.01 21	2454 1.02 21	2401 1.02 21	2345 1.02 19.9	2287 1.02 19.8	2169 1.01 19.8	2057 1.02 21	1941 1.04 22	1801 1.05 21	1626 1.04 18.5	1410 1.00 17.4	

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

180C ACX

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	475	2320 0.08 5.5	1826 0.09 4.2	1376 0.10 4.5									
	575	2809 0.15 8	2389 0.16 6.5	2036 0.17 6.4	1632 0.17 6.2								
	660	3224 0.22 9.9	2857 0.24 8.9	2516 0.25 7.7	2225 0.26 8.3	1852 0.26 7.9							
1/3	690	3371 0.25 10.6	3020 0.27 9.6	2685 0.29 8.2	2409 0.30 8.8	2084 0.30 9.0							
	725	3542 0.29 11.4	3207 0.31 10.8	2882 0.33 8.9	2613 0.34 9.3	2328 0.35 10.0							
1/2	780	3810 0.37 13.0	3498 0.39 12.3	3192 0.41 10.4	2924 0.42 10	2681 0.43 11.1	2019 0.43 9.5						
	830	4055 0.44 14.3	3761 0.47 13.9	3472 0.48 11.8	3203 0.50 11.2	2977 0.51 11.8	2440 0.53 12.1						
3/4	890	4348 0.54 15.8	4073 0.57 15.8	3804 0.59 13.9	3541 0.61 12.6	3316 0.62 12.6	2864 0.64 14.0	2229 0.63 11.3					
	950	4641 0.66 17.6	4383 0.69 17.6	4131 0.71 15.9	3880 0.73 14.2	3652 0.75 14.0	3250 0.77 15.0	2752 0.79 15.0	1968 0.71 12.1				
1	1000	4885 0.77 19.0	4640 0.80 19	4400 0.83 17.2	4160 0.85 15.7	3933 0.87 15.0	3550 0.90 15.8	3119 0.92 17.0	2540 0.89 14.2				
	1045	5105 0.88 20	4870 0.91 20	4640 0.94 19.1	4411 0.96 17.2	4187 0.98 16.1	3808 1.01 16.6	3422 1.04 17.9	2940 1.05 17.0	2215 0.95 14.2			
1-1/2	1120	5471 1.08 22	5252 1.12 22	5036 1.15 22	4823 1.18 20	4610 1.20 18.8	4229 1.23 17.9	3894 1.26 19.1	3501 1.29 20	3010 1.28 18.0	2273 1.15 15.8		
	1195	5838 1.32 25	5632 1.35 25	5429 1.39 25	5230 1.42 23	5028 1.44 21	4649 1.48 19.7	4331 1.52 20	3998 1.55 22	3608 1.57 22	3117 1.54 19.5	2397 1.39 17.6	
2	1255	6131 1.53 27	5935 1.56 27	5741 1.60 27	5551 1.63 25	5360 1.66 23	4988 1.71 22	4670 1.75 21	4370 1.78 22	4026 1.81 24	3627 1.82 23	3115 1.75 20	
	1315	6424 1.76 29	6237 1.80 29	6052 1.83 29	5869 1.87 27	5688 1.90 26	5326 1.95 23	5005 1.99 23	4722 2.03 23	4417 2.06 25	4071 2.09 26	3662 2.08 24	3137 1.99 21

180-HP ACX

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	775	1089 0.14 6.9											
	890	1597 0.22 9.9											
	935	1755 0.26 10.5	1260 0.25 8.6										
1/3	980	1900 0.30 10.8	1488 0.30 10.8										
	1025	2035 0.34 11.6	1700 0.34 12.3										
1/2	1105	2260 0.42 12.9	2010 0.43 13.7	1585 0.42 12.0									
	1185	2476 0.51 14.8	2280 0.53 14.8	1969 0.53 15.3	1502 0.50 12.0								
3/4	1270	2701 0.63 16.9	2535 0.64 15.9	2300 0.65 16.9	1945 0.65 15.6	1451 0.59 12.8							
	1355	2925 0.76 18.7	2772 0.78 17.4	2590 0.79 17.5	2325 0.79 18.4	1950 0.78 15.5							
1	1420	3096 0.87 20	2948 0.89 18.7	2792 0.90 18.4	2572 0.91 19.5	2270 0.91 18.5	1880 0.87 14.6						
	1490	3281 1.00 22	3135 1.02 19.8	2994 1.04 19.2	2814 1.05 20	2569 1.05 20	2238 1.04 18.1	1843 0.98 15.4					
1-1/2	1595	3557 1.21 25	3413 1.24 22	3284 1.26 21	3143 1.28 21	2957 1.29 22	2718 1.29 22	2404 1.28 20	2046 1.22 17.0				
	1705	3844 1.47 29	3702 1.50 26	3579 1.53 24	3457 1.55 23	3315 1.57 24	3132 1.58 25	2905 1.58 25	2615 1.57 22	2289 1.52 19.5			
2	1790	4065 1.70 33	3926 1.73 28	3804 1.76 26	3689 1.78 25	3568 1.81 25	3418 1.82 25	3230 1.83 27	3006 1.82 27	2721 1.81 25	2411 1.76 21	2004 1.63 20	
	1875	4286 1.94 36	4150 1.98 31	4028 2.01 29	3918 2.04 28	3807 2.06 27	3683 2.08 27	3527 2.10 28	3339 2.10 28	3119 2.10 28	2842 2.08 26	2546 2.03 22	2178 1.91 22

NOTES:
1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmisison losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

210C ACX

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	1.00	1.25	1.50	1.75	2.00
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	480	3078 0.15 7.0	2673 0.17 6.2	2193 0.18 6.1	1535 0.18 5.2								
	535	3431 0.21 8.7	3080 0.23 7.9	2646 0.25 6.9	2203 0.26 7.2	1471 0.24 6.3							
1/3	550	3527 0.23 9.2	3188 0.25 8.5	2766 0.27 7.2	2346 0.28 7.8	1709 0.26 6.5							
	595	3816 0.29 10.5	3507 0.31 10.1	3125 0.33 8.3	2747 0.35 8.8	2311 0.35 8.2	1588 0.32 7.4						
1/2	650	4168 0.37 12.5	3890 0.40 12.5	3558 0.42 10.2	3199 0.44 9.8	2845 0.46 10.5	2407 0.46 9.1	1705 0.42 8.5					
	680	4361 0.43 13.4	4096 0.45 13.4	3789 0.48 11.4	3439 0.50 10.5	3111 0.52 11.3	2739 0.53 10.8	2188 0.50 9.3					
3/4	720	4617 0.51 15.1	4369 0.53 15.1	4089 0.56 13.3	3758 0.59 11.6	3446 0.61 12.2	3120 0.63 12.7	2732 0.63 11.2					
	770	4938 0.62 17.0	4707 0.65 17.0	4452 0.68 15.7	4154 0.70 13.7	3850 0.73 13.3	3562 0.76 14.3	3244 0.77 14.3	2298 0.72 11.8				
1	800	5130 0.70 18.2	4909 0.72 18.2	4667 0.75 17.2	4389 0.78 15.0	4089 0.81 14.3	3812 0.84 14.8	3520 0.86 15.4	2745 0.83 12.5				
	855	5483 0.85 20	5277 0.88 20	5054 0.91 19.2	4808 0.94 17.6	4527 0.97 16.1	4257 1.00 16.1	3999 1.03 16.7	3412 1.05 16.3	2478 0.97 14.1			
1-1/2	900	5772 0.99 22	5577 1.02 22	5368 1.05 21	5141 1.09 19.8	4882 1.12 18.1	4616 1.15 17.3	4369 1.19 17.7	3848 1.23 18.4	3148 1.20 15.3			
	975	6253 1.26 25	6073 1.29 25	5884 1.33 25	5681 1.36 23	5459 1.40 22	5213 1.44 20	4970 1.47 19.6	4514 1.54 21	4005 1.56 20	3292 1.50 17.5		
2	1010	6477 1.40 27	6304 1.44 27	6122 1.47 27	5929 1.51 26	5721 1.54 24	5488 1.58 22	5248 1.62 21	4806 1.69 22	4337 1.73 22	3766 1.72 19.1	2905 1.6 18.2	
	1075	6894 1.69 31	6732 1.73 31	6563 1.76 31	6385 1.80 29	6196 1.84 27	5989 1.88 25	5765 1.92 24	5333 2.00 23	4918 2.07 24	4455 2.10 24	3864 2.06 20	3028 1.92 20

210-HP ACX

Max. Motor Frame = 182T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	700	2532 0.37 9.9	1925 0.40 10.1										
	775	3001 0.48 11.4	2538 0.52 12.5	1900 0.53 12.0									
3/4	810	3215 0.53 12.4	2788 0.59 12.8	2238 0.61 12.9									
	875	3605 0.65 14.5	3214 0.71 13.7	2779 0.76 15.1	2217 0.77 14.5								
1	900	3752 0.70 15.2	3371 0.76 14.5	2968 0.82 15.4	2453 0.84 15.3								
	970	4152 0.86 18.2	3803 0.92 16.2	3452 0.99 16.8	3041 1.04 17.9	2541 1.05 17.3							
1-1/2	1050	4593 1.06 21	4287 1.14 19.1	3960 1.21 18.6	3629 1.28 19.3	3231 1.32 20	2766 1.33 19.4						
	1110	4916 1.23 24	4640 1.31 21	4329 1.39 20	4024 1.47 20	3692 1.53 21	3291 1.57 21	2836 1.57 21					
2	1150	5129 1.35 25	4870 1.44 23	4574 1.52 21	4278 1.60 21	3974 1.68 23	3617 1.73 23	3204 1.75 22	2695 1.72 22				
	1220	5498 1.58 28	5263 1.69 26	4995 1.78 24	4711 1.86 23	4435 1.95 23	4139 2.02 25	3792 2.07 25	3401 2.09 25	2941 2.07 25			
3	1300	5915 1.88 32	5701 2.00 30	5463 2.10 28	5200 2.19 26	4936 2.28 25	4676 2.37 26	4395 2.45 27	4069 2.51 28	3706 2.53 27	3310 2.53 27	2629 2.39 26	
	1395	6405 2.29 36	6210 2.42 35	6001 2.53 32	5768 2.64 30	5520 2.73 29	5275 2.83 28	5032 2.93 29	4775 3.01 30	4482 3.08 31	4155 3.12 31	3806 3.13 30	3401 3.10 30

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

240C ACX

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	410	4128 0.16 6.0	3525 0.20 5.4	2834 0.22 5.8	1981 0.21 4.7								
	435	4380 0.20 6.6	3809 0.24 6.1	3180 0.26 6.2	2487 0.26 5.4								
1/3	460	4631 0.23 7.4	4089 0.28 6.9	3525 0.30 6.7	2886 0.31 6.7	1850 0.28 5.8							
	480	4833 0.26 7.9	4312 0.31 7.5	3789 0.34 7.1	3168 0.35 7.5	2444 0.35 6.3							
1/2	530	5336 0.35 9.3	4864 0.41 9.1	4405 0.44 8.5	3856 0.47 8.8	3315 0.47 8.8	2575 0.46 7.7						
	550	5537 0.40 9.9	5082 0.45 9.7	4640 0.49 8.9	4134 0.52 9.3	3600 0.53 9.5	3002 0.53 8.2						
3/4	580	5839 0.46 10.9	5407 0.52 10.8	4987 0.57 10.0	4538 0.60 10.0	4010 0.61 10.6	3516 0.62 10.3	2806 0.60 9.2					
	625	6292 0.58 12.5	5891 0.65 12.5	5497 0.70 12.0	5106 0.73 11.6	4634 0.76 12.0	4164 0.77 12.5	3683 0.78 11.5	2992 0.75 10.8				
1	650	6544 0.65 13.3	6158 0.72 13.3	5777 0.78 12.8	5406 0.82 12.5	4977 0.85 12.6	4505 0.87 13.4	4073 0.87 13.1	3538 0.87 11.6				
	690	6947 0.78 14.9	6583 0.86 14.9	6222 0.92 14.4	5874 0.96 14.0	5502 1.00 13.9	5059 1.02 14.7	4634 1.04 14.9	4218 1.05 14.5	3688 1.04 13.0			
1-1/2	750	7551 1.01 16.8	7216 1.09 16.8	6883 1.16 16.5	6558 1.21 16.0	6236 1.26 15.8	5875 1.29 15.9	5460 1.32 16.6	5070 1.33 16.8	4695 1.34 16.6	3654 1.31 14.7		
	790	7954 1.17 18.1	7636 1.26 18.1	7320 1.34 17.6	7008 1.40 17.2	6704 1.45 16.9	6384 1.49 16.8	6013 1.53 17.3	5618 1.55 17.8	5259 1.56 18.3	4467 1.57 16.3		
2	840	8457 1.41 19.8	8158 1.50 19.8	7860 1.59 19.6	7565 1.66 19.1	7278 1.72 18.7	6989 1.77 18.6	6674 1.81 18.6	6313 1.84 18.8	5943 1.86 19.7	5271 1.89 19.7	4415 1.87 17.1	
	870	8759 1.57 21	8470 1.67 21	8183 1.75 21	7897 1.83 19.8	7618 1.89 19.5	7342 1.94 19.2	7051 1.99 19.2	6721 2.03 19.7	6360 2.06 20	5697 2.09 21	4974 2.09 18.9	3809 1.97 18.0

240-HP ACX

Max. Motor Frame = 182T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	600	3080 0.41 8.5	2656 0.43 8.7	2117 0.43 8.5									
	640	3471 0.47 9.1	3120 0.50 9.8	2692 0.52 9.5	2149 0.52 9.6								
3/4	670	3750 0.53 9.7	3435 0.57 10.3	3064 0.591 0.5	2621 0.60 10.3								
	725	4238 0.64 11.2	3970 0.68 11.2	3671 0.72 11.7	3325 0.75 11.8	2922 0.76 11.5							
1	750	4451 0.70 11.9	4201 0.74 11.6	3924 0.78 12.2	3611 0.82 12.5	3248 0.84 12.6							
	805	4909 0.83 13.4	4690 0.88 12.9	4450 0.93 13.0	4187 0.97 13.8	3896 1.01 14.1	3191 1.04 13.6						
1-1/2	860	5357 0.98 15.2	5157 1.04 14.6	4947 1.09 14.4	4718 1.14 14.5	4471 1.19 15.2	3896 1.25 15.6	3178 1.27 14.9					
	925	5878 1.18 17.1	5693 1.24 16.5	5506 1.30 16.2	5309 1.36 15.9	5096 1.41 15.9	4625 1.51 17.0	4059 1.57 17.0	3371 1.57 16.6				
2	950	6076 1.27 18.0	5896 1.33 17.4	5715 1.39 16.7	5528 1.45 16.7	5326 1.51 16.6	4883 1.61 17.7	4362 1.68 18.1	3741 1.71 17.4				
	1015	6589 1.51 19.9	6419 1.58 19.2	6251 1.64 18.7	6081 1.71 18.1	5904 1.77 18.0	5518 1.89 18.4	5084 1.99 19.5	4579 2.06 19.7	3991 2.09 18.9	3238 2.04 18.9		
3	1100	7250 1.88 23	7093 1.95 22	6936 2.01 21	6781 2.08 21	6625 2.16 21	6295 2.30 20	5931 2.42 21	5530 2.53 22	5072 2.61 22	4551 2.65 21	3940 2.64 21	
	1165	7750 2.21 25	7602 2.27 24	7454 2.34 24	7307 2.41 24	7160 2.49 23	6861 2.64 23	6537 2.78 23	6184 2.91 23	5797 3.02 24	5360 3.10 24	4869 3.15 23	4311 3.15 24

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

300C ACX

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	330	5000 0.14 4.0	4086 0.17 5.4	3166 0.20 5.7									
	360	5454 0.18 4.6	4579 0.22 6.1	3880 0.26 6.7									
1/3	380	5757 0.22 5.3	4902 0.25 6.5	4264 0.29 7.3									
	405	6136 0.26 5.9	5303 0.30 7.1	4714 0.34 8.0									
1/2	430	6514 0.31 6.5	5702 0.35 7.7	5151 0.40 8.8	3222 0.43 8.6								
	450	6818 0.36 7.0	6021 0.40 8.3	5497 0.45 9.4	3978 0.52 9.6								
3/4	470	7120 0.41 7.7	6339 0.45 8.8	5834 0.50 10.0	4571 0.59 10.3								
	520	7878 0.55 9.1	7138 0.60 10.0	6652 0.65 11.5	5702 0.77 12.8	3467 0.71 10.8							
1	530	8030 0.59 9.4	7298 0.63 10.1	6814 0.68 11.9	5892 0.80 13.1	4107 0.81 12.5							
	565	8560 0.71 10.5	7855 0.75 10.9	7375 0.81 12.4	6529 0.94 14.1	5292 1.03 14.1							
1-1/2	600	9090 0.85 11.6	8412 0.90 12.0	7934 0.96 13.2	7144 1.09 14.9	6215 1.21 15.2	3958 1.09 13.1						
	650	9848 1.08 13.4	9203 1.13 13.4	8731 1.19 14.4	8004 1.33 15.9	7233 1.48 17.4	6039 1.56 15.9						
2	670	10150 1.18 14.3	9519 1.23 14.3	9050 1.30 15.1	8338 1.44 16.4	7602 1.59 17.8	6609 1.71 17.4	4338 1.50 14.8					
	715	10832 1.44 16.2	10228 1.49 16.2	9769 1.56 16.1	9077 1.71 17.2	8403 1.86 19.1	7659 2.02 19.5	6398 2.08 17.5					
3	750	11362 1.66 17.2	10779 1.71 17.2	10328 1.78 17.2	9643 1.94 17.8	9013 2.10 19.4	8342 2.27 21	7414 2.39 19.3	5829 2.30 18.4				
	820	12423 2.17 20	11876 2.23 20	11443 2.30 19.7	10766 2.46 19.1	10203 2.64 19.9	9604 2.82 22	8973 3.00 22	8079 3.13 20	6697 3.06 19.5			
5	850	12878 2.41 21	12345 2.47 21	11919 2.55 21	11244 2.72 20	10697 2.90 21	10129 3.09 22	9540 3.28 24	8823 3.44 23	7693 3.49 20	5744 3.13 20		
	970	14696 3.59 26	14215 3.65 26	13817 3.73 26	13157 3.91 25	12637 4.12 25	12164 4.33 25	11666 4.54 27	11155 4.76 29	10613 4.97 29	9918 5.14 28	8909 5.20 25	7602 4.99 25

300-HP ACX

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	500	3881 0.47 8.9											
	515	4121 0.51 9.5	2721 0.52 9.6										
3/4	550	4645 0.60 10.7	3617 0.66 10.5										
	580	5066 0.69 11.4	4201 0.76 10.9										
1	610	5469 0.78 11.9	4715 0.86 11.5	3587 0.88 12.0									
	640	5860 0.88 12.5	5190 0.97 13.1	4279 1.03 12.8									
1-1/2	700	6617 1.10 14.2	6061 1.22 15.4	5372 1.31 14.2	4450 1.35 14.5								
	735	7048 1.25 15.6	6537 1.37 15.8	5931 1.48 16.3	5168 1.56 15.6	4054 1.52 15.9							
2	750	7230 1.31 16.0	6737 1.44 16.4	6160 1.56 16.9	5445 1.64 15.8	4469 1.65 16.5							
	810	7950 1.60 17.6	7512 1.75 17.7	7023 1.88 18.8	6448 2.00 18.3	5753 2.08 17.7	4824 2.07 18.2						
3	900	9007 2.10 21	8629 2.29 20	8222 2.45 20	7774 2.59 22	7261 2.72 21	6666 2.82 20	5946 2.88 21	4959 2.79 21				
	925	9297 2.25 23	8933 2.46 22	8543 2.63 21	8118 2.77 23	7640 2.91 23	7090 3.02 21	6448 3.11 21	5636 3.10 22	4430 2.90 21			
5	1000	10160 2.77 25	9831 3.00 25	9483 3.20 25	9112 3.37 25	8711 3.52 26	8266 3.67 27	7763 3.80 24	7193 3.90 24	6515 3.94 24	5629 3.85 25		
	1100	11297 3.57 29	11005 3.83 30	10699 4.07 29	10379 4.29 29	10041 4.48 29	9680 4.65 31	9289 4.81 31	8858 4.97 30	8381 5.10 27	7850 5.20 28	7234 5.25 28	6474 5.18 29

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

360C ACX

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/3	250	7390 0.21 5.4	5833 0.25 4.1	2981 0.22 3.7									
	280	8277 0.29 6.9	6936 0.34 5.5	4828 0.35 5.2									
1/2	300	8868 0.36 7.8	7627 0.42 6.5	5885 0.44 6.2									
	320	9459 0.43 9.0	8302 0.50 7.7	6836 0.53 6.9	4624 0.49 6.6								
3/4	340	10050 0.52 9.9	8966 0.59 9.0	7703 0.63 7.6	5758 0.62 7.6								
	365	10789 0.64 11.2	9786 0.72 10.4	8688 0.77 8.9	7084 0.78 8.9	5047 0.72 8.3							
1	380	11233 0.72 12.2	10272 0.811 1.3	9239 0.86 9.6	7824 0.89 9.5	5964 0.85 9.2							
	400	11824 0.84 13.1	10915 0.93 12.9	9949 1.00 10.9	8733 1.03 10.2	7041 1.01 10.6	5076 0.91 10.0						
1-1/2	420	12415 0.97 14.7	11552 1.07 14.1	10640 1.14 12.1	9582 1.19 11.2	8103 1.19 11.6	6389 1.13 10.8						
	460	13598 1.28 17.0	12814 1.39 17.0	11989 1.48 15.0	11120 1.53 13.7	10001 1.57 13.4	8555 1.56 13.8	6994 1.49 13.1					
2	480	14189 1.46 18.1	13439 1.57 18.1	12652 1.66 16.6	11837 1.73 15.3	10859 1.77 14.6	9590 1.79 15.1	8098 1.74 14.3	6484 1.62 14.0				
	505	14928 1.69 19.7	14217 1.82 19.7	13474 1.92 18.6	12709 1.99 17.2	11860 2.05 16.2	10764 2.08 16.4	9430 2.06 16.3	8018 1.99 15.2	6349 1.82 15.1			
3	550	16258 2.19 22	15608 2.32 22	14933 2.44 22	14236 2.53 20	13518 2.60 19.4	12686 2.66 18.9	11646 2.69 19.4	10426 2.67 20	9124 2.60 18.5			
	575	16997 2.50 25	16376 2.64 25	15733 2.77 24	15070 2.87 23	14395 2.95 22	13657 3.01 21	12756 3.06 21	11692 3.08 21	10454 3.03 21	7837 2.79 19.6		
5	650	19214 3.61 31	18667 3.78 31	18105 3.92 31	17527 4.05 29	16937 4.16 29	16340 4.25 28	15706 4.32 28	14979 4.39 27	14119 4.43 28	12069 4.39 28	9860 4.19 24	
	685	20249 4.23 34	19730 4.40 34	19199 4.56 34	18654 4.70 34	18097 4.83 32	17536 4.93 32	16958 5.01 31	16334 5.08 31	15613 5.15 31	13865 5.20 31	11781 5.07 30	9583 4.76 27

360-HP ACX

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1	430	6426 0.83 9.3	4046 0.82 7.9										
	460	7282 0.99 10.0	5562 1.05 8.8										
1-1/2	500	8354 1.21 11.4	7039 1.34 11.7	4872 1.30 10.4									
	525	9001 1.35 12.3	7821 1.52 13.1	6151 1.56 11.2									
2	550	9631 1.51 13.8	8545 1.71 13.9	7169 1.79 13.2	4906 1.67 12.0								
	580	10368 1.72 15.6	9372 1.95 14.9	8214 2.08 15.7	6549 2.09 13.4								
3	650	12024 2.27 21	11202 2.55 19.1	10283 2.78 19.1	9234 2.93 19.6	7842 2.96 16.9	5754 2.74 16.5						
	660	12255 2.36 22	11455 2.65 20	10558 2.89 19.1	9553 3.05 20	8254 3.10 17.8	6364 2.98 17.2						
5	750	14293 3.27 28	13648 3.60 26	12921 3.92 24	12132 4.20 23	11284 4.41 25	10289 4.53 24	9032 4.55 21	7308 4.38 21				
	785	15072 3.69 30	14469 4.03 27	13799 4.37 26	13063 4.69 24	12287 4.94 25	11431 5.12 26	10404 5.21 24	9111 5.20 22	7383 4.96 22			
7-1/2	860	16721 4.70 33	16189 5.07 31	15616 5.44 29	14988 5.82 28	14312 6.17 27	13607 6.45 27	12851 6.66 29	11991 6.81 28	10969 6.86 27	9701 6.83 26	8092 6.52 25	
	900	17592 5.31 36	17090 5.70 34	16557 6.09 32	15978 6.49 31	15351 6.87 30	14693 7.21 29	14007 7.47 30	13265 7.68 31	12420 7.82 31	11427 7.86 28	10217 7.83 27	8705 7.55 27

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

420C ACX

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	1.00	1.25	1.50	1.75	2.00
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	230	9414 0.31 5.3	7930 0.37 4.3	5813 0.40 4.4									
	250	10232 0.40 6.3	8872 0.47 5.2	7303 0.51 5.2									
3/4	270	11051 0.50 7.3	9794 0.58 6.3	8433 0.63 5.9	5934 0.63 5.2								
	285	11665 0.59 8.1	10476 0.68 7.2	9220 0.73 6.4	7415 0.77 6.8								
1	300	12279 0.69 8.9	11152 0.78 8.2	9983 0.84 7.1	8553 0.88 7.6	5471 0.79 6.1							
	315	12893 0.80 9.9	11822 0.89 9.4	10721 0.96 7.8	9463 1.01 8.3	7218 1.01 7.4							
1-1/2	330	13507 0.92 10.9	12486 1.02 10.2	11440 1.09 8.8	10291 1.15 8.9	8641 1.19 9.0	5396 0.98 7.0						
	360	14734 1.19 12.7	13802 1.31 12.5	12846 1.39 10.7	11853 1.45 10.0	10712 1.51 10.8	8855 1.54 10.1						
2	370	15144 1.29 13.5	14237 1.41 13.5	13308 1.50 11.5	12355 1.57 10.8	11280 1.63 11.4	9751 1.68 11.3	7010 1.51 8.9					
	395	16167 1.57 15.2	15319 1.70 15.2	14450 1.81 13.4	13574 1.88 12.2	12621 1.95 12.2	11530 2.01 13.0	9759 2.04 12.2					
3	430	17599 2.03 17.3	16822 2.17 17.3	16028 2.29 16.0	15227 2.39 14.5	14403 2.46 14.1	13498 2.53 14.3	12464 2.59 15.0	8417 2.41 11.7				
	455	18623 2.40 18.7	17889 2.55 18.7	17141 2.69 17.8	16383 2.80 16.3	15621 2.88 15.4	14804 2.95 15.4	13918 3.03 16.1	11167 3.11 15.3				
5	500	20464 3.19 22	19797 3.36 22	19120 3.51 21	18433 3.64 20	17744 3.75 18.7	17045 3.83 17.9	16298 3.91 17.9	14606 4.07 19.1	11622 4.07 16.9			
	540	22102 4.01 25	21485 4.20 25	20860 4.37 25	20227 4.52 23	19588 4.65 22	18950 4.75 21	18297 4.84 21	16865 5.02 21	15089 5.17 22	11869 5.03 18.6		
7-1/2	580	23739 4.97 28	23165 5.17 28	22585 5.36 28	21998 5.53 27	21404 5.68 26	20810 5.80 24	20215 5.91 24	18955 6.10 24	17555 6.29 25	15664 6.45 25	12437 6.17 20	
	615	25171 5.93 31	24630 6.14 31	24084 6.34 31	23532 6.52 31	22975 6.69 29	22413 6.84 27	21854 6.96 27	20709 7.17 26	19455 7.37 27	18048 7.57 28	15960 7.71 27	12702 7.23 22

480C ACX

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)										
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	190	10494 0.30 4.8	8604 0.37 4.0	4418 0.32 3.0									
	210	11599 0.41 5.7	9890 0.48 4.8	7393 0.51 4.5									
3/4	225	12427 0.50 6.5	10824 0.58 5.5	8907 0.64 6.0									
	240	13256 0.61 7.4	11745 0.69 6.4	10130 0.76 6.8	6645 0.70 5.0								
1	250	13808 0.69 8.0	12355 0.78 6.9	10874 0.85 7.2	8149 0.85 5.5								
	265	14636 0.82 8.7	13265 0.91 7.8	11921 1.00 7.7	9923 1.04 7.6								
1-1/2	285	15741 1.02 10.1	14466 1.12 9.4	13228 1.21 8.5	11702 1.28 9.1	8899 1.24 7.0							
	300	16570 1.18 11.2	15358 1.30 10.6	14177 1.39 9.4	12864 1.48 10.1	10809 1.50 9.1	6905 1.24 7.5						
2	320	17674 1.44 12.8	16538 1.56 12.5	15419 1.66 10.5	14291 1.76 10.9	12753 1.83 11.2	10144 1.76 8.9						
	335	18503 1.65 13.7	17418 1.77 13.7	16341 1.89 11.8	15292 1.99 11.4	13984 2.08 12.3	12038 2.09 11.2	8684 1.84 9.5					
3	350	19331 1.88 14.4	18293 2.01 14.4	17257 2.13 12.6	16261 2.24 12.4	15120 2.34 13.3	13570 2.40 13.2	11035 2.30 10.3					
	380	20988 2.41 16.6	20031 2.55 16.6	19076 2.68 15.4	18147 2.81 14.4	17208 2.93 14.7	16057 3.02 15.6	14548 3.07 15.4	12193 2.96 12.5	8837 2.54 11.9			
5	420	23197 3.25 19.0	22332 3.41 19.0	21467 3.56 18.8	20607 3.70 17.0	19781 3.84 16.9	18915 3.96 16.9	17874 4.07 17.9	16582 4.14 18.1	14786 4.11 16.2			
	455	25131 4.13 22	24331 4.31 22	23533 4.47 22	22735 4.63 19.7	21957 4.78 18.7	21194 4.92 18.6	20377 5.05 19.5	19407 5.17 19.9	18246 5.25 19.9	14685 5.10 16.4		
7-1/2	500	27616 5.48 24	26889 5.68 24	26162 5.86 24	25435 6.04 24	24710 6.21 22	24011 6.37 22	23317 6.53 21	22585 6.67 22	21748 6.80 23	19643 6.99 23	16297 6.79 18.8	11145 5.67 18.5
	520	28721 6.17 26	28021 6.37 26	27322 6.56 26	26624 6.75 25	25926 6.92 24	25243 7.10 23	24579 7.26 22	23899 7.42 23	23161 7.57 23	21338 7.80 25	18766 7.83 23	14603 7.15 20

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

ATD / ATDR / ATDW / ATDWR

SIZE	MOTOR HP	RPM	MAX. INPUT WATTS	STATIC PRESSURE (INCHES W.G.)																	
				0		0.125		0.25		0.375		0.50		0.625		0.75		1.00		1.25		1.50		1.75	
				CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
				BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
071	1/8	860	67	224		91																			
				---	4.2	---	4.1																		
072	1/8	1160	72	292		211																			
				---	4.6	---	4.4																		
073	1/8	1650	78	439		388		337		275															
				---	6.1	---	5.9	---	4.9	---	5.2														
081	1/8	860	77	374		272																			
				---	6.4	---	5.5																		
082	1/8	1160	85	496		426		334																	
				---	6.6	---	6.2	---	6.2																
083	1/3	1750	146	780		732		681		626		561		492		418									
				---	9.2	---	9.2	---	9.0	---	8.4	---	8.4	---	8.9	---	8.6								
091	1/8	860	79	656		463																			
				---	7.0	---	6.9																		
092	1/8	1160	81	836		694		534		307															
				---	7.5	---	6.8	---	7.1	---	6.5														
093	1/3	1750	168	1307		1209		1105		998		885		748		597									
				---	10.0	---	10.0	---	9.4	---	8.9	---	9.3	---	9.4	---	9.1								
110	1/8	860	---	805		698		566																	
				0.04	4.9	0.05	4.3	0.05	4.5																
	1/8	1160	---	1086		1008		926		833		720		537											
				0.10	8.2	0.11	8.0	0.11	7.0	0.11	7.2	0.11	7.0	0.10	6.1										
	1/2	1750	---	1638		1588		1536		1482		1427		1371		1311		1173		1005					
				0.35	15.7	0.36	15.7	0.37	15.7	0.37	14.2	0.38	13.5	0.38	12.9	0.39	12.9	0.39	14.0	0.39	12.1				
120	1/8	860	---	1109		982		862		691															
				0.06	6.3	0.07	5.6	0.07	5.5	0.07	4.9														
	1/4	1160	---	1495		1399		1309		1225		1122		997											
				0.16	10.0	0.17	9.9	0.17	8.6	0.18	8.5	0.18	9.2	0.18	8.8										
	3/4	1750	---	2256		2190		2127		2065		2006		1950		1895		1773		1620		1448			
				0.54	18.5	0.55	18.5	0.57	18.5	0.58	17.5	0.59	16.4	0.60	16.1	0.61	15.5	0.62	16.0	0.63	17.1	0.62	16.0		
140	1/8	860	---	1676		1512		1358		1155															
				0.11	8.6	0.12	7.8	0.13	7.3	0.13	7.7														
	1/2	1160	---	2261		2138		2019		1907		1785		1634		1465									
				0.27	13.6	0.29	13.6	0.30	12.0	0.31	11.2	0.32	11.8	0.32	12.2	0.32	11.1								
160A	1/4	860	---	2167		1914		1769		1597		1380													
				0.18		11.30.19		9.40.20		8.70.20		9.50.20		8.6											
	1/2	1160	---	2923		2700		2561		2453		2344		2216		2075		1713							
				0.43	17.2	0.46	17.0	0.47	14.3	0.48	13.4	0.49	13.4	0.49	14.3	0.49	14.5	0.49	11.2						
180A	1/2	860	---	2866		2685		2504		2321		2091		1839		1550									
				0.29	11.9	0.31	11.9	0.32	10.6	0.33	9.6	0.34	10.1	0.34	9.9	0.33	8.8								
	1	1160	---	3865		3731		3597		3462		3330		3196		3047		2685		2296					
				0.71	17.6	0.73	17.6	0.75	18.5	0.77	17.5	0.79	16.4	0.81	15.8	0.82	15.8	0.84	16.8	0.83	15.6				

NOTES:
1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.
6. All sizes are available with variable speed control.

Performance Data

110 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	625	585 0.02 2.7	423 0.02 2.4										
	750	702 0.03 3.9	576 0.03 3.1	384 0.03 2.8									
	925	866 0.05 5.6	767 0.06 5.1	652 0.06 5.1	485 0.06 4.2								
	1025	959 0.07 6.7	871 0.08 6.3	774 0.08 5.6	653 0.08 5.9	433 0.07 5.0							
	1125	1053 0.09 7.7	973 0.10 7.6	887 0.10 6.6	789 0.10 7.0	666 0.10 6.4							
	1250	1170 0.13 9.3	1098 0.13 9.2	1023 0.14 8.0	942 0.14 7.6	846 0.14 8.3	732 0.14 7.4						
	1330	1245 0.15 10.3	1178 0.16 10.3	1107 0.17 9.2	1033 0.17 8.5	950 0.17 9.0	853 0.17 9.0	732 0.17 7.7					
	1375	1287 0.17 10.6	1222 0.18 10.6	1154 0.18 9.8	1084 0.19 9.0	1006 0.19 9.1	915 0.19 9.5	811 0.19 8.7	643 0.17 8.1				
	1515	1418 0.23 12.6	1360 0.23 12.6	1299 0.24 11.8	1236 0.25 10.8	1170 0.25 10.3	1097 0.25 10.7	1015 0.25 11.2	923 0.25 10.6	802 0.24 9.3			
1/3	1585	1484 0.26 13.3	1428 0.27 13.3	1370 0.28 13.1	1310 0.28 11.8	1248 0.28 11.2	1182 0.29 11.2	1108 0.29 12.0	1025 0.29 12.0	932 0.29 10.6	800 0.27 9.9		
	1670	1563 0.30 14.7	1510 0.31 14.7	1456 0.32 14.2	1399 0.33 13.3	1341 0.33 12.5	1281 0.33 12.0	1214 0.34 12.7	1141 0.34 12.9	1061 0.34 12.8	970 0.34 11.3	841 0.32 10.9	
1/2	1795	1680 0.38 16.3	1631 0.39 16.3	1581 0.40 16.3	1529 0.40 15.1	1475 0.41 14.2	1421 0.41 13.6	1363 0.42 13.6	1301 0.42 14.2	1233 0.42 14.4	1159 0.42 14.3	1078 0.42 13.3	825 0.38 12.0
	1920	1797 0.46 17.8	1751 0.47 17.8	1704 0.48 17.8	1656 0.49 17.5	1607 0.50 16.5	1557 0.50 15.6	1505 0.51 15.1	1451 0.51 15.1	1392 0.51 15.3	1329 0.51 16.1	1261 0.52 16.1	1106 0.51 14.0

120 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	650	838 0.03 3.5	677 0.03 3.0										
	975	1257 0.09 7.6	1143 0.10 7.1	1042 0.11 6.5	918 0.11 7.0	753 0.10 5.6							
	1305	1682 0.22 11.6	1596 0.23 11.6	1513 0.24 10.8	1438 0.25 10.2	1362 0.26 10.1	1268 0.26 10.8	1159 0.26 10.6	1035 0.25 9.5				
1/3	1370	1766 0.26 12.5	1683 0.27 12.5	1604 0.28 11.8	1531 0.29 11.0	1460 0.29 10.6	1379 0.30 11.2	1282 0.31 11.8	1174 0.30 11.3	1040 0.29 9.6			
	1435	1850 0.30 13.6	1771 0.31 13.6	1695 0.32 12.8	1623 0.33 12.0	1556 0.33 11.4	1485 0.34 11.5	1399 0.35 12.2	1300 0.35 12.5	1195 0.34 11.7	1047 0.33 10.3		
1/2	1545	1992 0.37 14.9	1918 0.38 14.9	1847 0.39 14.6	1779 0.40 13.8	1715 0.41 13.1	1653 0.42 12.9	1583 0.43 13.0	1502 0.43 13.8	1411 0.43 14.0	1314 0.43 13.6	1200 0.42 12.1	
	1655	2133 0.46 16.6	2064 0.47 16.6	1998 0.48 16.6	1933 0.49 15.5	1872 0.50 14.6	1814 0.51 14.4	1754 0.52 14.3	1688 0.52 14.4	1612 0.53 15.2	1527 0.53 15.4	1438 0.53 15.3	1202 0.51 13.1

140 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	850	1657 0.11 8.4	1491 0.12 7.7	1334 0.13 7.2	1126 0.13 7.3								
	1080	2105 0.22 12.1	1973 0.23 12.0	1847 0.25 10.4	1726 0.25 10.2	1578 0.26 10.9	1402 0.26 10.2						
1/3	1140	2222 0.26 12.9	2097 0.27 12.9	1976 0.29 11.7	1862 0.30 11.0	1735 0.30 11.6	1577 0.31 11.8						
	1200	2339 0.30 14.2	2220 0.32 14.2	2104 0.33 12.8	1995 0.34 12.0	1882 0.35 12.0	1745 0.36 12.7	1586 0.36 12.1					
1/2	1305	2543 0.39 16.8	2434 0.41 16.8	2327 0.42 15.5	2224 0.43 13.9	2125 0.45 13.5	2015 0.45 13.8	1885 0.46 14.6	1739 0.46 13.9				
	1370	2670 0.45 18.5	2566 0.47 18.5	2464 0.48 17.5	2364 0.50 15.6	2269 0.51 14.6	2171 0.52 14.6	2058 0.53 15.2	1926 0.53 15.2	1785 0.53 14.5			
3/4	1475	2875 0.56 21	2778 0.58 21	2682 0.60 21	2589 0.61 18.0	2499 0.63 17.1	2411 0.64 16.1	2318 0.65 16.6	2210 0.66 16.7	2089 0.66 17.5	1958 0.66 16.6		
	1565	3050 0.67 23	2959 0.69 23	2869 0.71 23	2780 0.73 21	2693 0.74 19.0	2611 0.76 17.8	2527 0.77 17.6	2436 0.78 18.0	2332 0.79 18.7	2217 0.79 18.8	2094 0.79 18.1	
1	1650	3216 0.79 25	3129 0.81 25	3043 0.83 25	2959 0.85 23	2876 0.86 21	2796 0.88 19.8	2718 0.89 19.1	2637 0.91 19.1	2547 0.92 19.6	2447 0.92 20	2338 0.93 20	2102 0.92 18.4
	1720	3352 0.89 27	3269 0.92 27	3187 0.94 27	3105 0.95 25	3025 0.97 23	2947 0.99 21	2872 1.01 21	2796 1.02 20	2716 1.03 20	2627 1.04 21	2529 1.05 22	2310 1.05 21

NOTES: 1. Performance certified is for Installation Type A: Free inlet, free outlet. 2. Power rating (BHP) does not include transmission losses. 3. Performance ratings do not include the effects of appurtenances (accessories). 4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. 5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

140-HP ATB / ATBR / AWX / AWXR

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50	1.75	2.00	2.25	2.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	1450	1095 0.22 9.6	1015 0.22 10.4	924 0.22 10.2	816 0.22 8.8								
	1525	1181 0.25 10.5	1109 0.26 11.0	1028 0.26 11.3	938 0.26 10.7	823 0.25 9.3							
1/3	1600	1265 0.29 11.3	1199 0.29 11.3	1127 0.30 12.0	1046 0.30 12.1	956 0.30 11.2	836 0.29 10.3						
	1680	1352 0.34 12.6	1292 0.34 12.1	1227 0.34 12.7	1155 0.34 12.9	1075 0.35 12.8	987 0.34 11.8	866 0.33 10.9					
1/2	1810	1491 0.42 14.3	1437 0.42 14.0	1381 0.43 13.6	1319 0.43 14.3	1253 0.43 14.5	1180 0.43 14.5	1102 0.43 13.7	870 0.40 12.3				
	1940	1628 0.51 16.9	1578 0.52 15.9	1527 0.52 15.1	1474 0.52 15.1	1417 0.53 15.4	1355 0.53 16.1	1288 0.53 16.2	1139 0.53 14.7	895 0.48 13.4			
3/4	2075	1767 0.62 18.6	1722 0.63 17.8	1675 0.63 17.1	1627 0.64 16.8	1577 0.64 16.6	1524 0.65 17.0	1467 0.65 17.7	1341 0.65 17.7	1197 0.64 15.6	960 0.59 14.8		
	2205	1900 0.74 21	1857 0.75 19.8	1814 0.76 18.9	1770 0.76 18.6	1725 0.77 17.9	1677 0.77 17.9	1627 0.77 18.1	1519 0.78 19.1	1397 0.78 19.0	1256 0.77 16.6	1031 0.71 16.5	

160 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	780	2207 0.17 8.6	1989 0.18 8.1	1708 0.19 7.4	1299 0.18 7.3								
	865	2448 0.24 10.2	2255 0.25 10.0	2023 0.26 8.7	1714 0.26 9.3	1291 0.24 8.4							
1/3	900	2547 0.27 11.1	2363 0.28 11.1	2145 0.29 9.4	1866 0.29 10.0	1496 0.28 9.3							
	950	2688 0.31 12.1	2515 0.33 12.0	2315 0.34 10.7	2071 0.34 10.5	1753 0.34 10.9	1324 0.30 9.4						
1/2	1000	2830 0.36 13.4	2666 0.38 13.4	2481 0.39 12.0	2263 0.40 11.4	1984 0.40 12.1	1638 0.38 11.1						
	1100	3113 0.48 15.5	2966 0.50 15.5	2803 0.52 14.6	2620 0.53 13.5	2404 0.53 13.6	2137 0.53 14.6	1819 0.51 13.3	1338 0.45 12.3				
3/4	1160	3283 0.57 16.9	3144 0.59 16.9	2992 0.60 16.1	2824 0.61 15.1	2632 0.62 15.0	2401 0.62 15.7	2130 0.61 15.4	1805 0.59 13.6				
	1250	3538 0.71 19.3	3409 0.73 19.3	3271 0.75 18.7	3121 0.76 18.2	2955 0.77 17.1	2766 0.78 17.2	2541 0.78 18.3	2286 0.77 17.6	1988 0.74 15.9	1546 0.67 15.2		
1	1320	3736 0.84 21	3615 0.86 21	3486 0.88 21	3347 0.89 19.8	3195 0.91 19.2	3028 0.92 19.0	2835 0.92 19.3	2612 0.91 19.6	2363 0.90 19.2	2074 0.87 17.1	1655 0.79 16.6	
	1380	3905 0.96 23	3790 0.98 23	3668 1.00 23	3537 1.02 22	3396 1.03 21	3242 1.04 20	3071 1.05 20	2872 1.05 22	2651 1.04 21	2404 1.02 20	2118 0.99 18.1	

160A ATB / ATBR / AWX / AWXR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	825	2079 0.16 10.5	1823 0.17 8.7	1671 0.17 8.1	1483 0.18 8.9	1233 0.18 6.9							
	930	2344 0.22 12.5	2097 0.24 10.7	1958 0.25 10.0	1812 0.25 10.0	1636 0.26 10.7	1412 0.26 8.6						
1/3	975	2457 0.26 13.2	2215 0.27 11.7	2077 0.28 10.7	1944 0.29 10.6	1786 0.29 11.4	1595 0.30 10.5	1343 0.29 8.4					
	1020	2570 0.29 14.2	2333 0.31 13.0	2195 0.32 11.5	2073 0.33 11.0	1928 0.33 12.1	1760 0.34 11.9	1552 0.34 9.8					
1/2	1100	2772 0.37 16.0	2543 0.39 15.1	2404 0.40 13.0	2293 0.41 12.4	2169 0.42 12.6	2028 0.42 13.5	1866 0.42 13.3	1669 0.42 11.0				
	1185	2986 0.46 18.0	2765 0.48 17.7	2626 0.50 15.2	2520 0.51 14.2	2414 0.52 14.1	2292 0.52 14.4	2157 0.53 15.2	2005 0.53 14.7	1823 0.53 12.7			
3/4	1265	3188 0.56 19.7	2974 0.59 19.7	2834 0.60 17.0	2730 0.61 16.0	2634 0.62 15.5	2528 0.63 15.5	2410 0.64 16.5	2281 0.64 16.7	2136 0.64 16.4	1766 0.63 12.8		
	1345	3389 0.67 22	3183 0.70 22	3044 0.72 19.1	2939 0.73 17.8	2848 0.74 17.1	2755 0.75 17.0	2650 0.76 17.1	2537 0.77 18.0	2414 0.77 18.8	2122 0.78 16.5		
1	1415	3566 0.78 24	3365 0.82 24	3227 0.84 21	3121 0.85 19.5	3032 0.86 18.6	2947 0.87 18.5	2854 0.88 18.6	2751 0.89 18.7	2641 0.89 19.8	2391 0.90 19.9	2073 0.89 16.2	
	1490	3755 0.91 26	3560 0.95 26	3424 0.97 24	3317 0.99 22	3229 1.00 20	3147 1.01 20	3064 1.02 19.4	2972 1.03 19.5	2872 1.04 20	2653 1.05 22	2392 1.05 20	2055 1.03 17.9

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

160-HP ATB / ATBR / AWX / AWXR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																					
		0.50		0.625		0.75		0.875		1.00		1.125		1.25		1.50		1.75		2.00		2.25		2.50	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
1/4	950	1205																					
		0.18	8.1																				
	1085	1592		1417																			
		0.26	11	0.26	10.2																		
1/3	1155	1772		1620		1450																	
		0.32	11.6	0.32	11.9	0.32	10.6																
	1195	1870		1731		1571																	
		0.35	11.9	0.35	12.7	0.35	12																
1/2	1320	2158		2052		1926		1783		1630													
		0.46	13.8	0.47	13.9	0.47	14.7	0.47	14.2	0.47	12.6												
	1365	2258		2160		2045		1912		1770													
		0.51	14.3	0.52	14.6	0.52	15.2	0.52	15.2	0.52	14.4												
3/4	1500	2553		2467		2377		2274		2158		2031		1899									
		0.66	17.4	0.67	16.7	0.68	16.7	0.69	17.6	0.70	17.8	0.69	17.2	0.69	16								
	1560	2683		2600		2515		2424		2319		2203		2079									
		0.74	18.8	0.75	17.8	0.76	17.6	0.78	17.8	0.78	18.7	0.78	18.7	0.78	17.9								
1	1680	2940		2861		2784		2706		2621		2525		2421		2193							
		0.91	22	0.93	21	0.94	19.8	0.96	19.6	0.97	19.8	0.97	20	0.98	21	0.97	19.5						
	1715	3014		2936		2861		2785		2704		2615		2515		2296							
		0.96	23	0.98	21	1.00	21	1.01	20	1.03	20	1.03	21	1.04	21	1.04	21						

180 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																					
		0		0.125		0.25		0.375		0.50		0.625		0.75		0.875		1.00		1.25		1.50		1.75	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
1/4	525	2469		1988		1251																	
		0.12	5.9	0.1	5.1	0.12	4.7																
	665	3127		2758		2338		1736															
		0.24	9.1	0.25	8.5	0.26	8.1	0.25	7.9														
1/3	700	3292		2942		2558		2030															
		0.28	10.1	0.29	9.5	0.30	8.7	0.30	9.3														
	730	3433		3099		2738		2274		1629													
		0.32	10.8	0.33	10.3	0.34	9.3	0.34	10.0	0.31	8.5												
1/2	785	3692		3382		3056		2669		2149													
		0.39	12.3	0.41	11.9	0.42	10.6	0.43	10.9	0.41	10.7												
	840	3951		3662		3361		3025		2602		2074											
		0.48	13.6	0.50	13.1	0.52	12.1	0.52	11.7	0.52	12.6	0.49	10.9										
3/4	900	4233		3965		3685		3389		3039		2590		2065									
		0.59	15.0	0.61	15.0	0.63	13.5	0.64	13.2	0.64	13.7	0.63	13.7	0.59	11.6								
	965	4538		4289		4030		3763		3462		3107		2662		2146							
		0.73	17.1	0.75	17.1	0.77	15.8	0.79	14.9	0.79	14.9	0.79	15.9	0.77	14.7	0.71	13.1						
1	1010	4750		4512		4266		4013		3739		3423		3037		2600		1995					
		0.84	18.2	0.86	18.2	0.88	17.2	0.90	16.2	0.91	16.1	0.91	17.0	0.90	16.7	0.87	15.4	0.76	14.0				
	1060	4985		4759		4526		4286		4035		3751		3425		3024		2600					
		0.97	20	0.99	20	1.02	19.0	1.04	17.9	1.05	17.1	1.05	17.9	1.04	18.2	1.03	17.7	0.98	15.6				
1-1/2	1135	5338		5127		4910		4688		4461		4215		3940		3625		3248		2318			
		1.19	22	1.21	22	1.24	21	1.26	20	1.28	19.7	1.29	19.6	1.29	20	1.28	20	1.26	19.5	1.10	16.7		
	1210	5691		5493		5291		5084		4874		4655		4415		4151		3850		3133			
		1.44	24	1.47	24	1.50	24	1.52	23	1.54	22	1.56	21	1.57	21	1.56	22	1.55	23	1.49	20		
2	1270	5973		5785		5593		5396		5197		4993		4776		4539		4279		3640		2888	
		1.66	26	1.69	26	1.72	26	1.75	25	1.77	24	1.80	23	1.81	23	1.81	23	1.80	24	1.77	23	1.64	19.7		
	1330	6255		6076		5893		5706		5516		5324		5125		4909		4676		4129		3471		2543	
		1.91	28	1.94	28	1.97	28	2.00	27	2.03	26	2.05	25	2.07	25	2.08	25	2.08	25	2.05	26	1.98	23	1.71	21

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

180A ATB / ATBR / AWX / AWXR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	650	2166 0.13 7.4	1926 0.14 6.9	1673 0.15 6.2									
	790	2632 0.22 10.4	2435 0.24 10.2	2240 0.25 8.9	1750 0.26 8.8								
1/3	830	2766 0.26 11.2	2578 0.28 11.2	2391 0.29 9.7	1946 0.31 9.6								
	870	2899 0.30 11.9	2720 0.32 11.9	2541 0.33 10.8	2139 0.35 10.3	1613 0.34 9.0							
1/2	930	3099 0.37 13.6	2932 0.38 13.6	2763 0.40 12.3	2414 0.42 11.1	1952 0.43 11.3							
	995	3315 0.45 13.9	3159 0.47 13.9	3002 0.48 14.1	2688 0.51 12.3	2279 0.53 13.0	1802 0.51 11.1						
3/4	1060	3532 0.54 15.4	3385 0.56 15.4	3238 0.58 15.7	2947 0.61 13.8	2593 0.64 14.2	2179 0.63 13.6						
	1130	3765 0.66 17.1	3628 0.68 17.1	3490 0.70 17.5	3216 0.73 15.6	2916 0.76 15.0	2538 0.78 15.9	2123 0.75 14.0					
1	1190	3965 0.77 18.4	3835 0.79 18.4	3703 0.81 18.7	3443 0.85 16.8	3175 0.88 16.3	2831 0.90 17.3	2463 0.90 16.8					
	1250	4165 0.89 19.7	4041 0.91 19.7	3916 0.94 19.7	3667 0.98 18.9	3419 1.01 18.2	3117 1.04 18.3	2772 1.05 19.0	2396 1.03 17.1				
1-1/2	1340	4465 1.09 22	4349 1.12 22	4233 1.14 22	3999 1.19 21	3771 1.23 20	3521 1.26 19.9	3211 1.29 21	2889 1.29 21	2529 1.26 19.0			
	1430	4765 1.33 24	4656 1.36 24	4547 1.38 24	4329 1.43 23	4113 1.48 22	3894 1.52 22	3635 1.55 23	3334 1.57 24	3031 1.56 24	2689 1.53 22		
2	1500	4998 1.53 26	4895 1.56 26	4791 1.59 26	4583 1.64 25	4376 1.69 24	4171 1.74 24	3945 1.77 24	3672 1.80 25	3383 1.81 25	3087 1.80 25	2751 1.75 23	
	1575	5248 1.78 28	5149 1.81 28	5051 1.84 28	4852 1.89 27	4654 1.94 26	4461 1.99 25	4258 2.03 25	4020 2.07 26	3748 2.10 27	3475 2.10 27	3186 2.07 25	2861 2.02 24

180-HP ATB / ATBR / AWX / AWXR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	875	1475 0.21 9.3	1193 0.21 8.4										
	935	1692 0.26 10.8	1484 0.26 10.0										
1/3	980	1848 0.30 11.5	1655 0.30 11.5	1428 0.30 10.2									
	1030	2014 0.34 11.9	1837 0.35 12.4	1649 0.35 11.9									
1/2	1105	2251 0.42 12.6	2097 0.42 13.8	1928 0.43 13.8	1751 0.43 12.9	1498 0.42 12.1							
	1180	2480 0.51 14.0	2343 0.51 14.2	2194 0.52 15.1	2034 0.52 15.1	1867 0.53 14.4							
3/4	1265	2731 0.62 15.7	2608 0.63 15.1	2477 0.63 16.1	2337 0.64 17.0	2187 0.64 16.8	1843 0.64 14.6						
	1350	2976 0.75 17.4	2865 0.76 17.0	2747 0.76 17.1	2623 0.77 17.6	2490 0.78 18.3	2207 0.79 17.5	1812 0.76 15.9					
1	1415	3159 0.85 18.8	3056 0.87 18.3	2946 0.87 17.7	2832 0.88 18.4	2711 0.89 19.3	2447 0.90 19.3	2159 0.90 17.0					
	1485	3354 0.98 20	3258 0.99 19.4	3156 1.01 19.0	3050 1.01 19.0	2939 1.02 19.6	2699 1.04 21	2441 1.05 19.7	2119 1.03 17.3				
1-1/2	1595	3656 1.21 22	3569 1.22 22	3477 1.24 21	3382 1.25 21	3284 1.26 21	3074 1.27 22	2844 1.29 22	2602 1.30 21	2305 1.28 19.0			
	1705	3953 1.47 24	3873 1.48 24	3791 1.50 24	3705 1.51 23	3616 1.52 22	3428 1.54 23	3226 1.56 24	3008 1.57 25	2781 1.58 23	2512 1.57 20		
2	1790	4181 1.69 26	4106 1.71 26	4028 1.72 25	3948 1.74 25	3866 1.75 24	3692 1.78 24	3507 1.80 25	3308 1.81 26	3096 1.82 25	2879 1.83 24	2611 1.82 21	
	1870	4394 1.92 27	4322 1.94 27	4249 1.96 27	4174 1.97 26	4097 1.99 26	3934 2.01 25	3762 2.04 26	3580 2.06 27	3384 2.07 28	3180 2.08 27	2968 2.09 25	2701 2.07 22

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

210 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	1.00	1.25	1.50	1.75	2.00
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	500	3288 0.14 8.5	2895 0.16 6.9	2472 0.19 6.7	1957 0.20 5.4								
	550	3616 0.19 10.0	3260 0.21 8.9	2892 0.24 7.8	2462 0.26 7.3	1861 0.26 6.5							
1/3	570	3748 0.21 10.7	3404 0.24 9.6	3053 0.26 8.2	2648 0.28 8.4	2167 0.29 6.9							
	600	3945 0.24 11.6	3619 0.27 10.8	3288 0.30 8.9	2919 0.32 9.5	2506 0.34 7.3	1843 0.32 7.7						
1/2	650	4274 0.31 13.2	3974 0.34 12.5	3669 0.37 10.3	3348 0.40 10.4	2982 0.42 10.1	2580 0.43 8.7	1899 0.40 8.7					
	695	4570 0.38 14.8	4289 0.41 14.8	4005 0.44 12.1	3714 0.48 11.3	3389 0.50 12.1	3037 0.52 10.6	2611 0.53 9.8					
3/4	750	4931 0.47 16.3	4672 0.51 16.3	4408 0.55 14.0	4144 0.58 12.8	3861 0.61 13.3	3547 0.64 13.4	3219 0.66 11.5	2183 0.62 11.4				
	795	5227 0.56 18.0	4983 0.60 18.0	4735 0.64 16.0	4486 0.68 14.4	4229 0.71 14.2	3947 0.75 15.1	3642 0.77 14.3	2906 0.78 12.4				
1	830	5457 0.64 19.3	5223 0.68 19.3	4986 0.72 17.7	4747 0.76 15.5	4506 0.80 15.1	4246 0.84 16.0	3962 0.87 16.0	3351 0.90 13.2	2284 0.82 13.2			
	875	5753 0.75 20	5531 0.79 20	5307 0.84 19.1	5080 0.88 17.2	4854 0.92 15.7	4617 0.96 16.2	4359 0.99 17.2	3803 1.04 15.1	3030 1.04 14.4			
1-1/2	950	6246 0.96 22	6042 1.01 22	5836 1.05 22	5628 1.10 19.7	5419 1.14 18.0	5209 1.19 17.2	4988 1.23 17.7	4499 1.31 18.7	3976 1.34 15.7	3180 1.32 16.3		
	1000	6575 1.12 24	6381 1.17 24	6186 1.22 24	5988 1.27 21	5790 1.31 20	5592 1.36 18.8	5389 1.41 18.4	4944 1.49 19.5	4457 1.55 18.7	3915 1.57 17.4	3019 1.49 17.4	
2	1050	6904 1.29 25	6719 1.35 25	6533 1.40 25	6346 1.45 23	6157 1.50 21	5968 1.55 20	5778 1.60 19.5	5371 1.69 21	4920 1.77 21	4448 1.81 18.0	3818 1.81 18.7	2892 1.65 18.6
	1100	7232 1.49 26	7056 1.54 26	6879 1.60 26	6700 1.65 25	6520 1.70 24	6340 1.76 22	6160 1.81 21	5785 1.91 21	5369 2.00 22	4925 2.06 21	4455 2.08 19.4	3721 2.06 19.9

210-HP ATB / ATBR / AWX / AWXR

Max. Motor Frame = 182T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	730	2726 0.38 9.7	2180 0.42 8.8										
	790	3117 0.45 10.8	2628 0.51 10.3	2040 0.53 10.1									
3/4	850	3491 0.54 11.3	3041 0.61 12.5	2574 0.66 11.1	1800 0.63 11.4								
	895	3762 0.61 12.1	3344 0.69 13.5	2913 0.75 12.3	2400 0.77 12.3								
1	950	4085 0.72 13.4	3705 0.79 14.2	3296 0.87 14.3	2876 0.92 13.3	2287 0.91 14.0							
	990	4317 0.80 14.8	3959 0.87 14.8	3569 0.96 15.4	3180 1.02 14.2	2720 1.05 14.7							
1-1/2	1050	4661 0.94 16.5	4330 1.01 15.7	3972 1.10 17.0	3602 1.19 16.8	3224 1.23 15.6	2751 1.25 16.4						
	1135	5141 1.15 19.1	4837 1.24 18.1	4520 1.32 18.3	4181 1.43 19.5	3840 1.51 18.8	3489 1.56 18.1	3064 1.58 18.6	2302 1.49 18.4				
2	1200	5504 1.34 21	5216 1.43 19.4	4924 1.52 19.3	4611 1.62 21	4286 1.73 21	3967 1.80 20	3624 1.85 19.8	3213 1.86 20	2503 1.77 20			
	1250	5781 1.50 23	5503 1.59 21	5226 1.68 20	4934 1.78 21	4625 1.90 22	4314 1.99 22	4006 2.06 21	3658 2.10 22	3235 2.10 22			
3	1330	6221 1.77 26	5958 1.88 24	5699 1.98 22	5434 2.07 22	5152 2.19 24	4859 2.31 25	4568 2.41 24	4279 2.48 23	3957 2.52 24	3584 2.53 24	3031 2.47 24	
	1430	6765 2.16 29	6520 2.28 27	6278 2.39 25	6036 2.50 25	5786 2.60 26	5522 2.73 27	5250 2.87 28	4978 2.97 27	4711 3.05 26	4430 3.11 26	4111 3.15 27	3739 3.15 27

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

240 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	420	3969 0.15 6.7	3503 0.19 6.2	2928 0.22 6.5	1910 0.21 5.0								
	445	4206 0.18 7.2	3768 0.22 7.0	3260 0.25 7.0	2498 0.26 5.5								
1/3	470	4442 0.21 8.1	4031 0.26 7.8	3571 0.29 7.5	2931 0.31 6.9								
	485	4584 0.23 8.3	4186 0.28 8.1	3748 0.31 7.8	3163 0.34 7.9	2207 0.32 6.4							
1/2	530	5009 0.30 9.7	4648 0.35 9.6	4259 0.40 8.9	3797 0.43 9.5	3176 0.45 7.8	2085 0.40 7.3						
	560	5293 0.36 10.5	4953 0.41 10.5	4588 0.46 9.7	4182 0.50 9.9	3651 0.52 9.8	2917 0.51 8.3						
3/4	600	5671 0.44 12.0	5355 0.50 12.0	5019 0.55 11.1	4661 0.59 10.9	4223 0.63 11.3	3675 0.65 10.3	2863 0.61 9.5					
	635	6001 0.52 13.1	5704 0.58 13.1	5389 0.64 12.4	5059 0.69 11.9	4683 0.73 12.1	4214 0.76 12.5	3640 0.77 10.4	2730 0.70 10.4				
1	660	6238 0.59 13.8	5952 0.65 13.8	5651 0.71 13.3	5337 0.76 12.7	4993 0.80 12.8	4572 0.84 13.4	4070 0.86 12.5	3391 0.84 11.4				
	705	6663 0.71 15.3	6396 0.78 15.3	6118 0.85 14.9	5827 0.91 14.2	5522 0.96 14.1	5173 1.00 14.6	4753 1.04 15.2	4267 1.05 14.2	3612 1.02 13.4			
1-1/2	750	7088 0.86 16.8	6838 0.93 16.8	6578 1.0016.6	6308 1.07 16.2	6029 1.12 15.4	5728 1.17 15.8	5376 1.22 16.3	4967 1.25 16.7	4500 1.27 15.7	2966 1.12 15.3		
	810	7655 1.08 19.1	7424 1.16 19.1	7186 1.24 19.1	6939 1.31 18.3	6684 1.38 18.0	6421 1.43 17.6	6135 1.49 17.7	5806 1.54 18.6	5430 1.58 19.0	4512 1.58 18.5		
2	850	8033 1.25 20	7814 1.34 20	7587 1.42 20	7354 1.49 19.6	7113 1.56 19.2	6867 1.63 18.9	6608 1.68 18.9	6321 1.74 19.4	5993 1.79 21	5221 1.84 20	4087 1.75 19.8	
	890	8411 1.44 22	8202 1.53 22	7987 1.61 22	7765 1.69 22	7537 1.77 21	7305 1.84 20	7065 1.90 20	6808 1.96 21	6521 2.01 21	5841 2.10 22	4996 2.10 21	3602 1.89 21

240-HP ATB / ATBR / AWX / AWXR

Max. Motor Frame = 182T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	600	2837 0.39 9.8	2384 0.41 8.5	1774 0.39 8.6									
	650	3330 0.47 11.6	2953 0.50 10.9	2523 0.52 9.9									
3/4	700	3789 0.56 12.6	3464 0.60 13.3	3104 0.63 12.3	2184 0.63 11.3								
	745	4181 0.65 13.2	3894 0.70 14.1	3578 0.73 14.4	2844 0.78 12.2								
1	780	4473 0.73 13.5	4213 0.78 14.4	3924 0.8215.2	3264 0.89 13.0	2394 0.87 13.0							
	825	4838 0.83 14.1	4607 0.89 14.7	4348 0.94 15.6	3765 1.02 15.3	3078 1.06 13.9	1820 0.92 13.1						
1-1/2	880	5273 0.98 15.3	5066 1.04 15.3	4841 1.09 16.0	4329 1.19 17.0	3741 1.27 15.3	3043 1.28 15.2						
	940	5741 1.16 16.5	5549 1.22 16.2	5352 1.28 16.5	4904 1.40 17.9	4395 1.50 18.0	3819 1.56 15.9	3125 1.55 16.5					
2	990	6127 1.32 17.8	5944 1.39 17.6	5761 1.46 17.3	5359 1.58 18.2	4900 1.69 19.3	4390 1.79 18.4	3818 1.84 17.1	3090 1.79 17.3				
	1035	6473 1.48 19.2	6295 1.55 18.6	6121 1.62 18.2	5753 1.76 18.5	5333 1.88 19.6	4870 1.99 19.9	4355 2.07 18.3	3781 2.10 18.4	2985 2.00 18.4			
3	1100	6969 1.75 22	6798 1.82 21	6633 1.89 20	6300 2.04 19.8	5931 2.18 21	5519 2.30 22	5072 2.41 22	4580 2.50 20	4040 2.52 20	3328 2.43 20		
	1185	7612 2.13 25	7450 2.21 25	7293 2.29 23	6987 2.45 22	6670 2.61 22	6316 2.75 24	5931 2.88 25	5518 3.00 25	5069 3.10 23	4585 3.15 23	4021 3.12 23	3210 2.94 23

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

300 ATB / ATBR / AWX / AWXR

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/3	365	5626 0.17 7.4	4852 0.21 6.0	4145 0.26 5.8									
	390	6011 0.21 8.5	5269 0.25 7.0	4640 0.30 6.3	3686 0.33 6.3								
1/2	430	6628 0.27 9.9	5934 0.32 8.7	5383 0.38 7.5	4716 0.43 7.9	3459 0.43 6.3							
	460	7090 0.34 11.3	6431 0.38 10.2	5908 0.45 8.7	5338 0.51 8.7	4545 0.55 8.7							
3/4	500	7707 0.43 13.1	7091 0.48 12.3	6589 0.55 10.3	6105 0.62 9.7	5522 0.68 10.4							
	530	8169 0.51 14.3	7582 0.56 13.8	7092 0.63 11.7	6652 0.71 10.9	6141 0.78 11.3	4406 0.82 9.1						
1	550	8478 0.58 15.3	7908 0.62 15.3	7426 0.69 12.6	7004 0.78 11.8	6532 0.85 11.7	5163 0.94 11.6						
	575	8863 0.66 16.6	8314 0.71 16.3	7842 0.78 14.2	7436 0.86 13.1	7005 0.95 12.5	5882 1.06 13.7						
1-1/2	620	9557 0.82 18.8	9042 0.87 18.8	8589 0.95 16.9	8198 1.04 15.7	7823 1.13 14.8	6926 1.28 15.7	5433 1.33 13.1					
	660	10173 0.99 21	9686 1.05 21	9252 1.12 19.1	8868 1.21 17.6	8518 1.31 16.7	7736 1.49 16.5	6688 1.61 17.5					
2	700	10790 1.19 23	10328 1.24 23	9911 1.31 22	9534 1.40 19.8	9199 1.51 18.6	8501 1.71 18.1	7654 1.86 19.2	6328 1.93 17.3				
	725	11175 1.32 25	10727 1.37 25	10321 1.45 23	9949 1.54 21	9619 1.64 20	8965 1.86 19.0	8188 2.03 20	7120 2.14 20				
3	780	12023 1.64 28	11604 1.70 28	11219 1.78 27	10862 1.87 24	10538 1.97 23	9944 2.21 22	9279 2.42 21	8499 2.58 23	7371 2.67 22			
	830	12794 1.98 31	12397 2.04 31	12031 2.12 31	11689 2.21 28	11369 2.31 26	10803 2.57 24	10220 2.81 23	9550 3.00 24	8741 3.16 25	7549 3.21 23		
5	900	13873 2.52 35	13505 2.59 35	13162 2.67 35	12838 2.76 33	12532 2.87 31	11983 3.12 27	11470 3.40 27	10905 3.65 26	10275 3.85 27	9526 4.02 28	8490 4.11 26	
	985	15183 3.31 40	14845 3.37 40	14526 3.46 40	14224 3.56 40	13935 3.67 37	13401 3.92 34	12925 4.22 31	12453 4.52 30	11929 4.79 30	11359 5.01 31	10713 5.20 32	9897 5.35 32

300-HP ATB / ATBR / AWX / AWXR

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	480	3604 0.42 7.5	2806 0.42 7.8										
	515	4180 0.50 8.9	3631 0.53 8.7	2693 0.51 8.8									
3/4	550	4707 0.58 10.3	4258 0.62 9.8	3689 0.64 10.0									
	590	5280 0.68 11.4	4892 0.73 11.8	4451 0.78 10.8	2891 0.75 11.4								
1	600	5420 0.71 11.5	5042 0.76 11.9	4622 0.81 11.4	3313 0.82 11.9								
	645	6035 0.84 12.4	5696 0.90 13.2	5339 0.96 13.5	4466 1.04 13.4								
1-1/2	700	6753 1.02 14.0	6463 1.10 14.3	6146 1.16 15.2	5457 1.28 15.4	4536 1.33 16.0							
	740	7256 1.17 15.4	6998 1.25 15.2	6710 1.32 16.0	6091 1.46 16.7	5357 1.55 17.1	4232 1.55 17.4						
2	760	7503 1.24 16.2	7259 1.33 15.8	6986 1.41 16.1	6393 1.55 17.1	5716 1.66 17.1	4803 1.70 18.1						
	815	8172 1.48 18.7	7959 1.57 18.0	7723 1.66 17.6	7192 1.83 18.7	6620 1.96 18.6	5948 2.07 19.5	5035 2.09 20					
3	900	9185 1.89 22	9002 2.00 20	8808 2.11 20	8372 2.30 19.7	7881 2.48 21	7364 2.63 21	6777 2.75 20	6063 2.82 22	4969 2.76 22			
	930	9537 2.06 23	9363 2.17 22	9180 2.28 21	8772 2.49 20	8308 2.68 21	7818 2.84 22	7285 2.98 21	6663 3.09 22	5862 3.12 22	4414 2.92 22		
5	1020	10584 2.62 25	10431 2.74 25	10271 2.86 24	9931 3.10 22	9545 3.32 22	9118 3.53 23	8674 3.72 24	8203 3.88 23	7675 4.01 23	7064 4.10 23	6267 4.10 23	4905 3.87 23
	1110	11619 3.27 28	11482 3.41 28	11340 3.54 27	11042 3.81 26	10718 4.06 25	10358 4.30 25	9965 4.53 26	9560 4.73 26	9137 4.92 26	8681 5.08 25	8172 5.21 25	7588 5.29 25

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

360 ATB / ATBR

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.75	0.875	1.00	1.125	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/2	300	9106 0.31 8.7	7953 0.38 7.2	6246 0.44 6.7	3068 0.36 5.4								
	320	9714 0.38 10.0	8645 0.46 8.7	7220 0.53 7.7	4962 0.51 6.4								
3/4	340	10321 0.45 11.4	9326 0.54 10.0	8110 0.62 8.5	6174 0.63 8.1								
	360	10928 0.54 12.4	9997 0.63 12.0	8911 0.72 9.4	7270 0.76 9.9	4901 0.70 8.2							
1	380	11535 0.63 13.9	10659 0.72 13.7	9664 0.82 10.8	8270 0.89 10.9	6400 0.88 9.2							
	400	12142 0.74 14.9	11315 0.83 14.9	10390 0.94 12.2	9217 1.02 12.1	7548 1.04 11.4	5207 0.94 9.9						
1-1/2	420	12749 0.85 16.2	11966 0.96 16.2	11098 1.06 13.4	10082 1.16 12.5	8617 1.20 13.1	6860 1.18 10.9						
	460	13963 1.12 18.6	13254 1.23 18.6	12481 1.35 16.6	11636 1.47 14.7	10557 1.56 14.7	9135 1.58 14.7	7509 1.54 12.6	4855 1.31 11.9				
2	480	14570 1.27 19.9	13893 1.39 19.9	13161 1.51 18.2	12369 1.63 16.5	11435 1.74 15.7	10158 1.79 16.4	8684 1.78 14.7	6866 1.69 13.6				
	494	14995 1.39 21	14339 1.51 21	13632 1.63 19.4	12871 1.76 17.4	12009 1.88 16.4	10843 1.95 16.8	9471 1.95 16.5	7929 1.91 14.5	5402 1.64 13.7			
	505	15329 1.48 21	14688 1.61 21	14000 1.73 20	13262 1.86 17.9	12443 1.98 16.9	11371 2.07 17.6	10065 2.09 17.4	8603 2.06 14.9	6481 1.87 14.6			
3	550	16695 1.92 25	16109 2.05 25	15489 2.18 25	14828 2.32 22	14128 2.46 20	13334 2.59 19.9	12304 2.68 20	11110 2.70 20	9784 2.67 18.2	5821 2.24 16.6		
	575	17454 2.19 26	16895 2.33 26	16306 2.47 26	15682 2.61 25	15026 2.76 23	14312 2.91 21	13451 3.02 22	12365 3.08 22	11186 3.08 21	8327 2.91 18.1		
5	630	19124 2.88 32	18616 3.03 32	18085 3.19 32	17530 3.34 30	16947 3.50 28	16340 3.66 27	15682 3.82 25	14915 3.95 25	13964 4.03 26	11797 4.04 24	9133 3.83 22	
	685	20793 3.70 38	20327 3.87 38	19845 4.03 38	19343 4.20 38	18821 4.37 36	18278 4.54 33	17715 4.72 31	17111 4.90 30	16429 5.04 30	14669 5.20 30	12634 5.19 28	10251 4.99 24

360-HP ATB / ATBR

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1	420	6363 0.79 9.1	5408 0.83 8.3	3478 0.74 8.1									
	450	7209 0.93 10.6	6513 1.00 10.1	5477 1.02 9.6									
1-1/2	480	8024 1.08 11.4	7415 1.16 12.0	6695 1.23 10.8									
	503	8640 1.20 12.1	8057 1.29 12.9	7451 1.38 12.9	5428 1.39 11.7								
	515	8956 1.27 12.8	8385 1.36 13.6	7810 1.45 13.7	6099 1.53 12.3								
2	530	9345 1.36 13.6	8791 1.46 13.8	8242 1.55 14.6	6787 1.67 13.0								
	570	10346 1.62 15.3	9861 1.73 15.3	9344 1.84 16.2	8264 2.02 15.6	6514 2.06 14.8							
3	600	11067 1.84 17.1	10638 1.96 16.9	10153 2.07 16.9	9174 2.28 18.0	7897 2.42 16.3	5501 2.24 15.8						
	655	12345 2.29 21	11996 2.43 19.9	11596 2.56 19.7	10703 2.80 20	9791 3.02 20	8558 3.15 18.4	6490 3.00 18.5					
5	700	13367 2.70 23	13057 2.86 23	12717 3.00 22	11916 3.27 22	11081 3.52 23	10183 3.74 22	8930 3.86 21	6922 3.66 21				
	775	15038 3.51 27	14773 3.69 26	14493 3.85 25	13862 4.18 24	13118 4.47 24	12365 4.74 26	11584 5.00 25	10611 5.19 24	9274 5.22 24	7137 4.83 24		
7-1/2	820	16026 4.07 30	15782 4.26 30	15526 4.44 28	14969 4.79 27	14310 5.11 26	13590 5.41 27	12882 5.70 27	12125 5.96 27	11180 6.15 26	9924 6.19 26	8056 5.87 26	
	885	17441 4.99 33	17221 5.19 33	16992 5.39 32	16506 5.77 31	15959 6.14 29	15328 6.48 29	14660 6.81 30	14005 7.12 31	13322 7.41 31	12525 7.65 30	11510 7.78 29	10198 7.72 30

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Performance Data

420 ATB

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																			
		0		0.125		0.25		0.375		0.50		0.625		0.75		1.00		1.25		1.50		1.75		2.00	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
1/2	230	9194		8009		6065																			
		0.24	5.4	0.32	4.3	0.38	4.0																		
	260	10393		9364		8097																			
		0.35	6.9	0.44	6.0	0.54	6.2																		
3/4	290	11592		10684		9667		8042																	
		0.48	8.6	0.59	8.0	0.70	7.2	0.77	7.0																
1	320	12791		11977		11084		10008		8157															
		0.65	10.5	0.76	10.1	0.88	8.6	1.00	9.7	1.03	7.8														
1-1/2	365	14590		13884		13122		12313		11292		9693													
		0.96	12.9	1.09	12.9	1.23	11.4	1.37	11.2	1.49	12.0	1.53	10.7												
2	405	16189		15557		14886		14176		13420		12439		11003											
		1.31	15.2	1.46	15.2	1.61	14.4	1.76	13.4	1.91	13.6	2.04	14.3	2.09	12.7										
3	435	17388		16802		16185		15533		14859		14107		13082		9819									
		1.62	16.6	1.78	16.6	1.94	16.4	2.10	14.6	2.27	14.5	2.43	15.4	2.54	15.4	2.52	12.8								
	460	18387		17834		17256		16648		16019		15356		14574		12131									
		1.92	17.8	2.09	17.8	2.26	17.6	2.43	16.4	2.60	15.5	2.78	16.0	2.93	17.0	3.07	14.6								
5	505	20186		19684		19164		18622		18057		17481		16874		15280		12817							
		2.54	19.9	2.73	19.9	2.91	19.9	3.10	18.8	3.28	17.7	3.47	17.4	3.67	17.6	3.97	18.7	4.05	15.5						
	550	21985		21525		21051		20562		20056		19532		19002		17833		16119		13768					
		3.28	22	3.48	22	3.69	22	3.89	22	4.09	21	4.29	19.5	4.50	19.2	4.91	20	5.18	20	5.23	18.0				
7-1/2	590	23583		23156		22717		22266		21801		21322		20832		19817		18599		16790		14511			
		4.05	25	4.27	25	4.48	25	4.70	25	4.92	24	5.13	23	5.35	22	5.81	22	6.21	23	6.43	23	6.44	20		
	630	25182		24783		24374		23955		23525		23084		22630		21705		20704		19426		17623		15446	
		4.94	27	5.17	27	5.40	27	5.63	27	5.86	27	6.09	26	6.32	25	6.80	24	7.27	25	7.65	26	7.84	25	7.84	22

480 ATB

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																			
		0		0.125		0.25		0.375		0.50		0.625		0.75		0.875		1.125		1.00		1.25		1.50	
		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM		CFM	
		BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
1/2	195	10945		9191		5902																			
		0.28	4.9	0.37	4.1	0.39	3.1																		
	210	11787		10139		7771																			
		0.35	5.7	0.44	5.0	0.52	4.6																		
3/4	240	13471		11992		10523		7433																	
		0.53	7.4	0.63	6.7	0.73	6.8	0.74	4.7																
1	265	14874		13524		12298		10274		5367															
		0.71	8.9	0.82	8.3	0.93	7.6	1.03	7.8	0.80	5.2														
1-1/2	305	17119		15938		14837		13724		11769		8678													
		1.08	11.7	1.21	11.7	1.34	10.3	1.47	10.2	1.58	10.3	1.46	7.5												
2	335	18803		17723		16688		15742		14525		12580		9692											
		1.43	14.2	1.58	14.2	1.72	12.4	1.86	11.9	2.00	12.6	2.10	11.9	1.95	9.4										
3	355	19925		18905		17916		17013		16048		14490		12557		8406									
		1.70	15.3	1.86	15.3	2.01	14.2	2.16	13.2	2.30	13.2	2.45	13.7	2.49	12.2	2.08	10.1								
	380	21329		20373		19444		18572		17735		16681		15024		13180		9183							
		2.09	17.3	2.26	17.3	2.42	16.2	2.58	15.0	2.73	14.7	2.89	14.9	3.03	15.1	3.05	13.5	2.58	12.0						
5	420	23574		22707		21860		21035		20277		19510		18564		17141		15543		13549		8741			
		2.82	20	3.01	20	3.19	20	3.37	17.8	3.54	17.3	3.71	17.2	3.88	17.5	4.06	17.6	4.13	17.3	4.04	14.8	3.23	13.8		
	455	25538		24737		23951		23180		22446		21756		21036		20155		18891		17415		15845			
		3.59	23	3.79	23	3.99	23	4.18	21	4.37	19.9	4.56	19.3	4.74	19.0	4.93	19.8	5.12	20	5.24	19.9	5.23	17.9		
7-1/2	490	27503		26757		26025		25304		24598		23940		23300		22624		21817		20713		19342		16340	
		4.48	25	4.70	25	4.91	25	5.12	25	5.33	23	5.53	22	5.73	21	5.93	21	6.13	22	6.34	23	6.51	23	6.48	19.3
	520	29187		28483		27791		27109		26437		25791		25184		24577		23930		23162		22143		19588	
		5.35	28	5.59	28	5.82	28	6.04	28	6.26	26	6.48	25	6.69	24	6.90	23	7.11	23	7.32	24	7.55	25	7.84	24

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet fan sone levels.

Typical Specifications – ACX / ACXD

Roof mounted exhaust fans shall be of the centrifugal type, Model ACX (belt driven) and Model ACXD (direct drive), as manufactured by Aerovent, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 210 and AMCA 300 test codes for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air. Models shall be cULus 705 listed.

CONSTRUCTION — Fans shall be constructed of spun aluminum and shall offer finish durability and aesthetic appearance. Fan spinnings shall have a rolled bead edge for rigidity. All units have a deep venturi inlet to prevent snow and rain entry into the building. The curb cap shall include prepunched mounting holes for ease of installation. A conduit chase constructed of electrical metallic tubing shall be provided to the mo tor compartment. The curb base shall have continuously welded corners for maximum leak protection. Lifting lugs shall be provided inside the motor compartment for ease of handling and installation. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

MOTOR AND DRIVE ASSEMBLY — Motor and drive assembly shall be mounted on vibration isolators to eliminate vibration and noise transmission into the ductwork. Motors and drives shall be mounted out of the exhaust airstream.

WHEEL — Fan wheels shall be of the centrifugal backward inclined type, containing a matching inlet venturi for optimum unit performance. Wheels shall be statically and dynamically balanced.

SHAFT — Fan shafts shall be precision-ground and polished. Shafts shall have a first critical speed of at least 125% of the fan's maximum operating speed.

BEARINGS — Bearings shall be of the one-piece, pillow block type with relubricable zerk fittings. Bearings shall be designed for air handling service with a minimum L-10 life in excess of 100,000 hours; L-50 500,000 hours at the maximum cataloged operating speed. Bearing mounting plate shall have self-aligning tabs for exact locating and alignment of bearings.

DRIVE — Drive assembly shall be constructed of heavy-gauge galvanized steel. Drives shall be sized for a minimum of 150% of driven horsepower. Machined, cast iron motor sheaves shall be adjustable for final system balance.

MOTOR — Motors shall be heavy-duty ball bearing type, closely matched to the fan load. All single-phase motors shall contain thermal overload protection. All motors shall be UL and /or CSA recognized. Motor adjustment shall allow precise belt tensioning for optimum belt life and one-person adjustment and servicing.

DISCONNECT SWITCH — A NEMA 1 disconnect switch shall be supplied with wiring leading from the motor to the junction box (ODP and TEFC motors).

ACCESSORIES — When specified, accessories such as backdraft damper, roof curb, curb hinge, retaining chain, security hasp, variable speed controller, NEMA-3R, 4 disconnect switch, 2-speed switch, firestat, aluminum bird screen, aluminum insect screen, and special coatings shall be provided by Aerovent to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its roof and wall mounted centrifugal exhaust fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

Typical Specifications – ATD/ATDW

Roof and wall mounted exhaust fans shall be of the direct drive centrifugal type and shall be ATD (upblast); ATDW (wall mount); as manufactured by Aerovent, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 210 and AMCA 300 test codes for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air. Models ATD and ATDW shall be cULus 705 listed.

CONSTRUCTION — Fans shall be constructed of aluminum for durability and appearance. Fan spinnings shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent snow and rain entry into the building. The curb cap shall include prepunched mounting holes for ease of installation. A conduit chase constructed of electrical metallic tubing shall be provided to the motor compartment. The curb base shall have continuously welded corners for maximum leak protection. Lifting lugs shall be provided inside the motor compartment for ease of handling and installation. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

MOTOR ASSEMBLY — Motor assembly shall be mounted on vibration isolators to eliminate vibration and noise transmission into the ductwork. Motors shall be mounted out of the exhaust airstream and shall have a cooling tube that provides air separate from the exhaust.

EASE OF SERVICE — No tools shall be needed to access motor compartment for inspection of motor and drive components.

WHEEL — Fan wheels shall be of the centrifugal backward inclined type, constructed of aluminum and containing a matching inlet venturi for optimum unit performance. Wheels shall be statically and dynamically balanced.

MOTOR — Motors shall be heavy-duty ball bearing type, closely matched to the fan load. All single-phase motors shall contain thermal overload protection. All motors shall be UL and /or CSA recognized. Motors for use with speed control shall provide good speed controllability without any objectionable noise.

DISCONNECT SWITCH — A NEMA 1 disconnect switch shall be supplied with wiring leading from the motor to the junction box on models ATD and ATDW.

FINISH AND COATING — Fans shall be constructed of aluminum. Optional coatings shall be available.

ACCESSORIES — When specified, accessories such as backdraft damper, roof curb, curb hinge, retaining chain, security hasp, variable speed controller, NEMA-4 disconnect switch, 2-speed switch, firestat, aluminum bird screen, aluminum insect screen, and special coatings shall be provided by Aerovent to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its roof and wall mounted centrifugal exhaust fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

Typical Specifications – ATB/AWX

Roof and wall mounted exhaust fans shall be of the belt driven centrifugal type and shall be ATB (upblast); AWX (wall mount); and as manufactured by Aerovent, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 210 and AMCA 300 test codes for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air. Models ATB and AWX shall be cULus 705 listed.

CONSTRUCTION — Models ATB, AWX shall be constructed of aluminum for durability and appearance. Fan spinnings shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent snow and rain entry into the building. The curb cap shall include prepunched mounting holes for ease of installation. A conduit chase constructed of electrical metallic tubing shall be provided to the motor compartment. The curb base shall have continuously welded corners for maximum leak protection. Lifting lugs shall be provided inside the motor compartment for ease of handling and installation. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

MOTOR AND DRIVE ASSEMBLY — Motor and drive assembly shall be mounted on vibration isolators to eliminate vibration and noise transmission into the ductwork. Motors and drives shall be mounted out of the exhaust airstream and shall have a cooling tube that provides air separate from the exhaust.

EASE OF SERVICE — No tools shall be needed to access motor compartment for inspection of motor and drive components.

WHEEL — Fan wheels shall be of the centrifugal backward inclined type, containing a matching inlet venturi for optimum unit performance. Fan wheels on models ATB, AWX and shall be constructed of aluminum. Wheels shall be statically and dynamically balanced.

SHAFT — Fan shafts shall be precision-ground and polished. Shafts shall have a first critical speed of at least 125% of the fan's maximum operating speed.

BEARINGS — Bearings shall be of the one-piece, pillow block type with relubricable zerk fittings. Bearings shall be designed for air handling service with a minimum L-10 life in excess of 100,000 hours; L-50 500,000 hours at the maximum cataloged operating speed. Bearing mounting plate shall have self-aligning tabs for exact locating and alignment of bearings.

DRIVE — Drive assembly shall be constructed of heavy-gauge galvanized steel. Drives shall be sized for a minimum of 150% of driven horsepower. Machined, cast iron motor sheaves shall be adjustable for final system balance.

MOTOR — Motors shall be heavy-duty ball bearing type, closely matched to the fan load. All single-phase motors shall contain thermal overload protection. All motors shall be UL and /or CSA recognized. Motor adjustment shall allow precise belt tensioning for optimum belt life and one-person adjustment and servicing.

DISCONNECT SWITCH — A NEMA 1 disconnect switch shall be supplied with wiring leading from the motor to the junction box on models ATB and AWX.

FINISH AND COATING — Models ATB, AWX and shall be constructed of aluminum. Optional coatings shall be available.

ACCESSORIES — When specified, accessories such as backdraft damper, roof curb, curb hinge, retaining chain, security hasp, NEMA-4 disconnect switch, 2-speed switch, firestat, steel premium grease fan construction, aluminum bird screen, aluminum insect screen, and special coatings shall be provided by Aerovent to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its roof and wall mounted centrifugal exhaust fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

Typical Specifications – ATDR/ATDWR

Roof and wall mounted exhaust fans shall be of the direct drive centrifugal type and shall be ATDR (upblast kitchen exhaust); and ATDWR (wall mount kitchen exhaust) as manufactured by Aerovent, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 210 and AMCA 300 test codes for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air. Models ATDR and ATDWR shall be cULus 762 listed for the exhaust of grease-laden air.

CONSTRUCTION — Fans shall be constructed of aluminum for durability and appearance. Fan spinnings shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent snow and rain entry into the building. The curb cap shall include prepunched mounting holes for ease of installation. A conduit chase constructed of electrical metallic tubing shall be provided to the motor compartment. The curb base shall have continuously welded corners for maximum leak protection. Lifting lugs shall be provided inside the motor compartment for ease of handling and installation. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

MOTOR ASSEMBLY — Motor assembly shall be mounted on vibration isolators to eliminate vibration and noise transmission into the ductwork. Motors shall be mounted out of the exhaust airstream and shall have a cooling tube that provides air separate from the exhaust.

EASE OF SERVICE — No tools shall be needed to access motor compartment for inspection of motor and drive components.

WHEEL — Fan wheels shall be of the centrifugal backward inclined type, constructed of aluminum and containing a matching inlet venturi for optimum unit performance. Wheels shall be statically and dynamically balanced.

MOTOR — Motors shall be heavy-duty ball bearing type, closely matched to the fan load. All single-phase motors shall contain thermal overload protection. All motors shall be UL and /or CSA recognized. Motors for use with speed control shall provide good speed controllability without any objectionable noise.

DISCONNECT SWITCH — A NEMA 3R disconnect switch shall be supplied with wiring leading from the motor to a junction box located outside of the motor compartment on models ATDR and ATDWR.

FINISH AND COATING — Fans shall be constructed of aluminum. Optional coatings shall be available.

ACCESSORIES — When specified, accessories such as backdraft damper, roof curb, curb hinge, retaining chain, security hasp, variable speed controller, NEMA-4 disconnect switch, 2-speed switch, firestat, aluminum bird screen, aluminum insect screen, and special coatings shall be provided by Aerovent to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its roof and wall mounted centrifugal exhaust fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

Typical Specifications – ATBR/AWXR

Roof and wall mounted exhaust fans shall be of the belt driven centrifugal type and shall be ATBR (upblast kitchen exhaust); and AWXR (wall mount kitchen exhaust) as manufactured by Aerovent, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 210 and AMCA 300 test codes for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air. Models ATBR and AWXR shall be cULus 762 listed for the exhaust of grease-laden air.

CONSTRUCTION — Models ATBR, and AWXR shall be constructed of aluminum for durability and appearance. Fan spinnings shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent snow and rain entry into the building. The curb cap shall include prepunched mounting holes for ease of installation. A conduit chase constructed of electrical metallic tubing shall be provided to the motor compartment. The curb base shall have continuously welded corners for maximum leak protection. Lifting lugs shall be provided inside the motor compartment for ease of handling and installation. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

MOTOR AND DRIVE ASSEMBLY — Motor and drive assembly shall be mounted on vibration isolators to eliminate vibration and noise transmission into the ductwork. Motors and drives shall be mounted out of the exhaust airstream and shall have a cooling tube that provides air separate from the exhaust.

EASE OF SERVICE — No tools shall be needed to access motor compartment for inspection of motor and drive components.

WHEEL — Fan wheels shall be of the centrifugal backward inclined type, containing a matching inlet venturi for optimum unit performance. Fan wheels on models ATBR, and AWXR shall be constructed of aluminum. Wheels shall be statically and dynamically balanced.

SHAFT — Fan shafts shall be precision-ground and polished. Shafts shall have a first critical speed of at least 125% of the fan's maximum operating speed.

BEARINGS — Bearings shall be of the one-piece, pillow block type with relubricable zerk fittings. Bearings shall be designed for air handling service with a minimum L-10 life in excess of 100,000 hours; L-50 500,000 hours at the maximum cataloged operating speed. Bearing mounting plate shall have self-aligning tabs for exact locating and alignment of bearings.

DRIVE — Drive assembly shall be constructed of heavy-gauge galvanized steel. Drives shall be sized for a minimum of 150% of driven horsepower. Machined, cast iron motor sheaves shall be adjustable for final system balance.

MOTOR — Motors shall be heavy-duty ball bearing type, closely matched to the fan load. All single-phase motors shall contain thermal overload protection. All motors shall be UL and /or CSA recognized. Motor adjustment shall allow precise belt tensioning for optimum belt life and one-person adjustment and servicing.

DISCONNECT SWITCH — A NEMA 3R disconnect switch shall be supplied with wiring leading from the motor to a junction box located outside of the motor compartment on models ATBR and AWXR.

FINISH AND COATING — Models ATBR, and AWXR shall be constructed of aluminum. Optional coatings shall be available.

ACCESSORIES — When specified, accessories such as backdraft damper, roof curb, curb hinge, retaining chain, security hasp, NEMA-4 disconnect switch, 2-speed switch, firestat, steel premium grease fan construction, aluminum bird screen, aluminum insect screen, and special coatings shall be provided by Aerovent to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its roof and wall mounted centrifugal exhaust fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

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