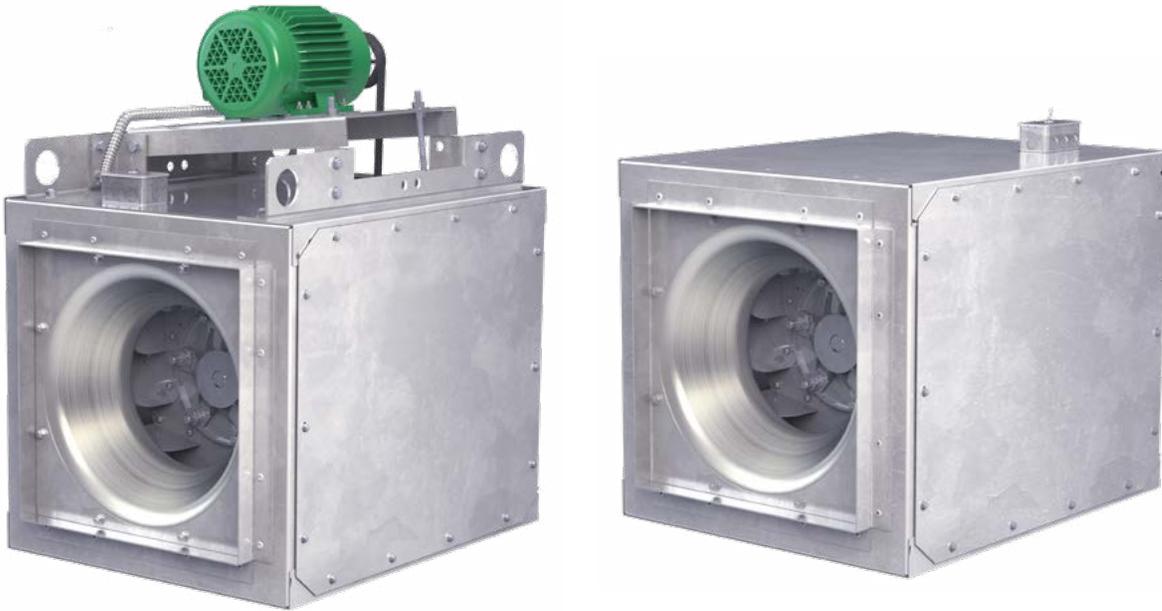


SQUARE INLINE FANS



MODELS: SCDD/SCBD



Overview

SCDD | SCBD



Model SCDD
Direct Drive

Now Available with



see page 8



All SCDD and SCBD models are UL/cUL 705 listed, for electrical, File No. E158680.



Aerovent, a Twin City Fan Company, certifies that the Models SCDD and SCBD 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.



Fan Efficiency Grade (FEG) certification applies to Model SCDD Sizes 135A, 135AE, 150A, 150AE, 150AN, 150ANE, 165A, 165AE, 165AN and 165ANE and Model SCBD, Sizes 080A, 090A, 100A, 120A, 120AHP, 135A, 135AHP, 150A, 150AHP, 165A, 165AHP, 180A, 180AHP, 210A, 210AHP, 225A, 225AHP, 245A, 245AHP, 270A, 270AHP, 300A, 300AHP, 330A, 330AHP, 365A, 365AHP, 402A, 402AHP.

Aerovent's Model SCDD direct drive and Model SCBD belt driven square inline fans are specifically designed for duct applications handling relatively clean air, including supply, exhaust and return air systems. These fans offer high efficiency and quiet operation in a compact design that can be mounted in any position (horizontal, vertical or angular). Duct collars are provided for easy mounting without the need for square to round duct transitions. The units can be easily serviced through the side access panels without removing duct connections.

Square inline centrifugal units feature high efficient, non-overloading, backward inclined centrifugal impellers precisely matched to a spun venturi. All impellers are statically and dynamically balanced. Units are manufactured under strict quality assurance standards to insure cataloged performance and years of maintenance-free operation. Square inline fans are not intended for outdoor applications.

Typical Applications Include

General HVAC (exhaust, filtration, return and supply, air of commercial buildings), Air Pollution Control, Airport Exhaust, Automotive, Fertilizer, Food & Beverage, Laboratory Exhaust, Metal & Mineral Processing, Office Exhaust, Restroom Exhaust, Warehouse Exhaust and Water Treatment

Impeller Types

Backward Inclined

Optional Construction

Spark Resistant Construction (Type B and C), Easy Access Construction

Certifications

AMCA Sound/Air and FEG, UL 705 Listed for Electrical, OSHPD Seismic Preapproval per OSP-0271-10

For complete product performance, drawings and available accessories, download our Fan Selector program at aerovent.com.

Overview

SCDD | SCBD



Model SCDD

Available in 10 sizes from 080 through 165
Airflow to 5,800 CFM
Static pressure to 2" w.g.



Model SCBD

Available in 29 sizes from 080 through 402
Airflow to 27,400 CFM
Static pressure to 3.5" w.g.



**General HVAC
(90 Degree Turn)**



**General HVAC
(Straight Inline)**

Housings - Housing assembly features heavy-gauge galvanized steel construction.

Removable Side Panels - Removable side panels provide easy access for service and maintenance without the need to remove duct connections. Complete removal of the power assembly is also possible through side access panels. Side panels can provide a 90-degree side discharge. Requires optional side discharge accessory.

Duct Collars - Duct collars provide ready attachment to ductwork and eliminate the need for square to round duct transitions.

Belt Tube/Bearing Cover - Constructed of heavy gauge galvanized steel, the belt tube and bearing cover enclose the belts, fan sheave and bearings within the airstream (Model SCBD).

Drive Frame - Motor and drive frame are constructed of heavy gauge galvanized steel. The pivoting motor base makes for simple belt tensioning (Model SCBD).

Impeller - Backward inclined non-overloading, all-aluminum impeller and hub statically and dynamically balanced to assure long life and quiet operation.

Mounting Brackets - Galvanized steel mounting brackets for easy mounting in horizontal or vertical position.

Pulleys - Heavy-duty cast iron adjustable pulleys to permit speed variation (Model SCBD).

Shaft - Precision ground and polished with a first critical speed of at least 125% of the fan's maximum operating speed (Model SCBD).

Bearings - All models are furnished with prelubricated cast iron pillow block bearings with zerk fittings, designed for an average life (L-50) of 500,000 hours or more at maximum cataloged operating speeds (Model SCBD).

Disconnect Switch - Mounted and prewired NEMA 1 disconnect switch provided as standard for servicing the unit without the danger of an accidental start.



Disconnect switches provide positive electrical shutoff during fan cleaning or maintenance.

NEMA 1 Disconnect Switch (Standard)

A NEMA 1 disconnect switch is available shipped loose for field mounting and wiring or factory mounted and wired with ODP or TEFC motors.



NEMA 1 Disconnect Switch

NEMA 3R Disconnect Switch

A NEMA 3R, rain proof, disconnect is available shipped loose for field mounting and wiring or factory mounted and wired externally.



NEMA 3R Disconnect Switch

NEMA 4 Disconnect Switch

A NEMA 4, water and dust tight, disconnect is available shipped loose for field mounting and wiring or factory mounted and wired externally.



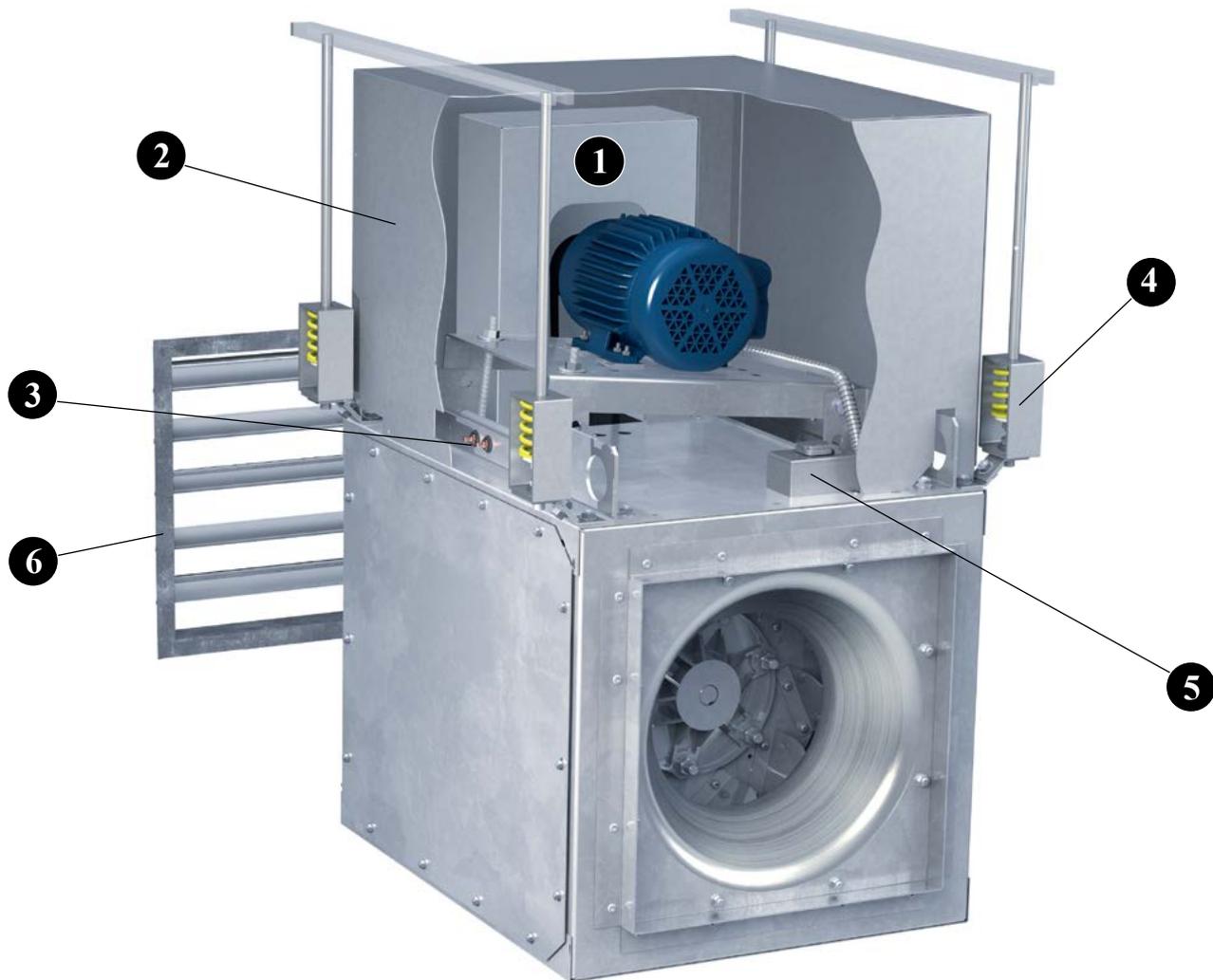
NEMA 4 Disconnect Switch

NEMA 7/9 Disconnect Switch

A NEMA 7/9 disconnect switch is recommended on fans with explosion proof motors. The NEMA 7/9 switch is designed for use with fans operating in hazardous environments. Available shipped loose for field mounting and wiring. (Not shown.)



**SCDD
Direct Drive**



1 Belt Guard is a formed galvanized steel guard available to cover the drive assembly on Model SCBD. Belt guard is offered in lieu of motor cover.

2 Motor Cover is a formed galvanized steel cover available on Model SCBD to completely cover the motor and drives. Motor cover serves as OSHA belt guard.

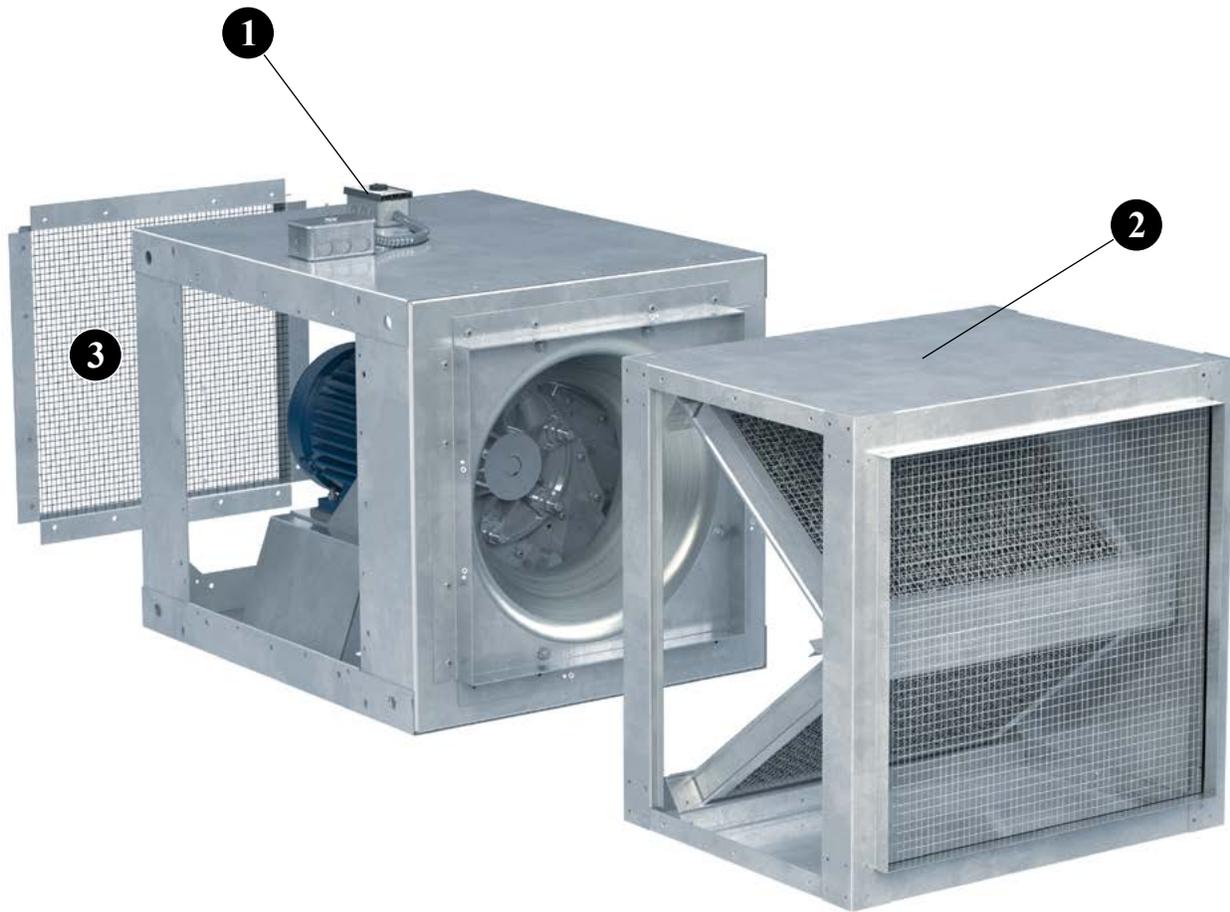
3 Extended Lube Lines Exterior mounting zerk fittings are available with lines to the fan shaft bearings (Model SCBD) for relubrication from outside the unit.

4 Vibration Isolators Spring or neoprene type vibration isolators are available for ceiling suspended or floor mounted installations.

5 NEMA 3R rain proof safety disconnect switch is available for positive electrical shutoff of the fan and the protection of service personnel.

6 Backdraft Dampers, with automatic or motorized operation, feature felt-edged damper blades for quiet operation. Damper frames are constructed of galvanized steel and blades are constructed of 26-gauge aluminum. All dampers ship loose for field mounting in ductwork.

Motorized dampers are recommended for low CFM applications to assure unrestricted airflow. Motorized dampers are available with 115, 208, 230, 460, 575 or 24 volt service; 575 volt service requires a step-down transformer. See dimensional data for sizing.



1 Variable Speed Control Variable speed control is an optional accessory on all SCDD models, to allow the adjustment of airflow for system balancing. Variable speed controllers are solid-state (Tri-ac) design and are designed to start the motor on high speed for better startup characteristics. Variable speed controls can be shipped separately, factory installed, or field installed on the unit at a later date. Motor must be ODP 115V, PSC or shaded pole type.

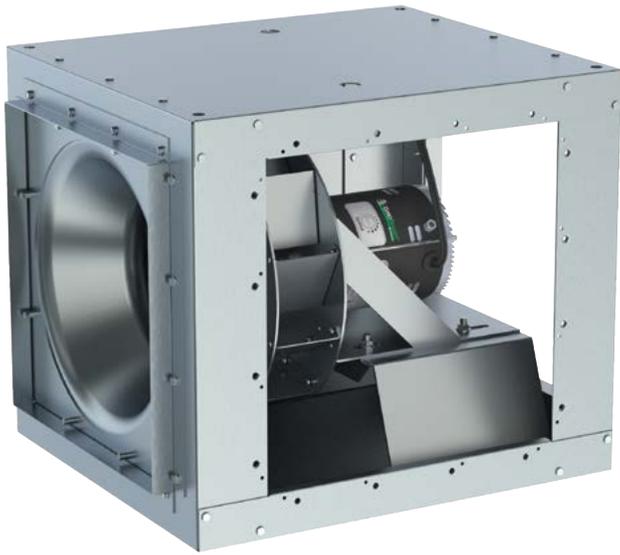
2 Filter Box A filter box containing two inch aluminum wire mesh, removable and washable filters is available for attachment to the fan inlet side. The filter box is constructed of galvanized steel, with duct collars for easy mounting and removable side panels for easy filter cleaning or replacement. Disposable paper filters are also available. One inch filters are available on either type. For filter box pressure drops contact factory. See page 26 for dimensional data.

3 Outlet Guard Inlet and outlet guards are available for all models. Guards mount inside the unit and do not interfere with the attachment of ductwork.

Other Accessories Include:

- Special Coatings
- Insulated Housings
- Aluminum Construction
- Stainless Steel Hardware
- NEMA 4 & 7/9 Disconnect Switches

AEROVENT 
INDUSTRIAL VENTILATION SYSTEMS



Model SCDD
With GridSmart™ EC Motor

Aerovent offers its own line of custom engineered Electronically Commutated (EC) motors. Electronic commutation is the latest motor technology to be used in direct drive fans. Also known in the industry as Brush Free or Brushless DC, the EC motors utilize an electronic circuit board to control the functionality of the motor. The motor operates off of single phase AC power, which is converted to DC power within the motor's circuitry. Aerovent has motor options available for 115V, 208-230V or 277V single phase electrical power. The result is a highly efficient motor, even at part load, with an expanded speed control range and a variety of speed control options from which to choose. EC motors are available in ODP, TENV and TEFC enclosures.



Benefits

- Efficiencies up to 85%
- Constant efficiency as the motor speed is varied
- Up to 66% energy savings over traditional PSC motors
- Performance range comparable to a belt drive fan with reduced maintenance benefits of a direct drive fan
- 80% usable turndown range as compared with 40% maximum on PSC motors
- Soft start gives fans smooth, quiet start
- Lower operating temperatures result in longer life and reduces energy consumption
- Heavy-duty ball bearings are permanently lubricated
- Elimination of VFD results in lower initial cost

EC Motor Options

1/6HP to 1HP

- 1/6HP: 115V, single phase
- 1/4HP – 1HP: 115V, 208-230V, 277V, single phase
- ODP or TENV Enclosure
- Motor mounted speed control dial as standard
- 0-10VDC control leads as standard
- Available with remote mounted speed control dial

1HP & 2HP

- 1HP: 115V, 208-230V, single phase
- 2HP: 208-230V, single phase
- TEFC enclosure (totally enclosed fan cooled)
- Available with motor mounted speed dial or 0-10VDC control lead



1HP & 2HP
GridSmart™ EC Motors



1/6HP to 1HP
GridSmart™ EC Motors

Side discharge kits (including panels, mounting collars and necessary hardware) are available to provide 1-way, 2-way or 3-way discharges. This option provides exceptional adaptability for any installation, as well as avoiding the system effect of disrupted airflow when the ductwork has to take a 90-degree turn.

Configurations

| OPTION | FIGURE | CONFIGURATION |
|----------|--------|----------------------|
| Standard | A | Rear |
| 1-Way | B | Left |
| | C | Right |
| | D | Left and Right |
| 2-Way | E | Left and Rear |
| | F | Right and Rear |
| 3-Way | G | Left, Right and Rear |

NOTE: Performance will change depending on the position of the discharge. See correction factor table below. Percentages based on (inline) cataloged performance, but are not AMCA certified. Always check BHP when selecting motor HP and fan size.

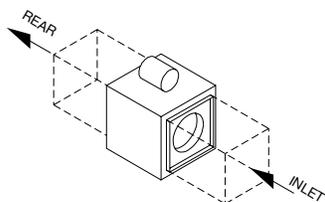


Fig. A

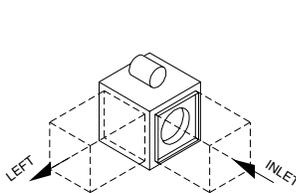


FIG. B

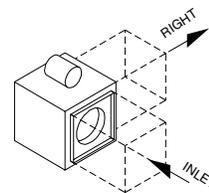


FIG. C

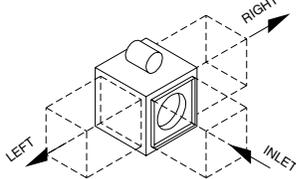


FIG. D

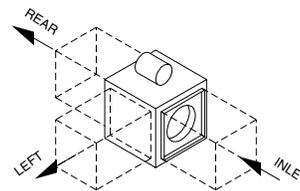


FIG. E

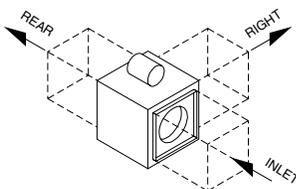


FIG. F

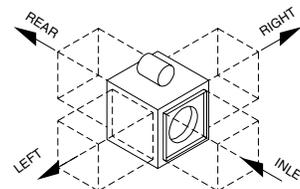


FIG. G

Performance Correction Factors

| DISCHARGE | 0.50" SP | | 1.00" SP | | 1.50" SP | | 2.00" SP | | AVG. | |
|-----------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|
| | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| 1-Way | 110.7% | 113.0% | 114.0% | 110.8% | 115.8% | 108.5% | 120.0% | 102.3% | 115.1% | 108.7% |
| 2-Way | 114.7% | 106.5% | 118.1% | 109.7% | 120.3% | 112.4% | 126.8% | 114.0% | 120.0% | 110.7% |
| 3-Way | 113.2% | 105.9% | 117.4% | 109.7% | 121.6% | 113.0% | 127.1% | 114.0% | 119.8% | 110.7% |

NOTE: The performance correction factors shown above are not licensed to bear the AMCA Certified Ratings Seal.

Duct Openings

| MODEL SCBD | MODEL SCDD | LEFT AND RIGHT DISCHARGE | | | REAR DISCHARGE/INLET | | |
|------------|------------|--------------------------|--------|--------------------|----------------------|--------|--------------------|
| | | DUCT COLLAR | | DUCT SIZE REQUIRED | DUCT COLLAR | | DUCT SIZE REQUIRED |
| | | WIDTH | HEIGHT | | WIDTH | HEIGHT | |
| 080 | 080 | 11.88 | 11.88 | 12 x 12 | 11.88 | 11.88 | 12 x 12 |
| 090 | 090 | 11.88 | 11.88 | 12 x 12 | 11.88 | 11.88 | 12 x 12 |
| 100 | 100 | 13.88 | 13.88 | 14 x 14 | 13.88 | 13.88 | 14 x 14 |
| 120 | 120 | 15.88 | 15.88 | 16 x 16 | 15.88 | 15.88 | 16 x 16 |
| 135 | 135 | 17.88 | 17.88 | 18 x 18 | 17.88 | 17.88 | 18 x 18 |
| 150 | 150 | 19.88 | 19.88 | 20 x 20 | 19.88 | 19.88 | 20 x 20 |
| 165 | 165 | 22.88 | 22.88 | 23 x 23 | 22.88 | 22.88 | 23 x 23 |
| 180 | — | 23.88 | 23.88 | 24 x 24 | 23.88 | 23.88 | 24 x 24 |
| 210 | — | 27.88 | 27.88 | 28 x 28 | 27.88 | 27.88 | 28 x 28 |
| 225 | — | 25.88 | 28.88 | 26 x 29 | 29.88 | 29.88 | 30 x 30 |
| 245 | — | 27.88 | 31.88 | 28 x 32 | 32.88 | 32.88 | 33 x 33 |
| 270 | — | 29.88 | 33.88 | 30 x 34 | 35.88 | 35.88 | 36 x 36 |
| 300 | — | 29.88 | 37.88 | 30 x 38 | 39.88 | 39.88 | 40 x 40 |
| 330 | — | 31.88 | 39.88 | 32 x 40 | 43.88 | 43.88 | 44 x 44 |
| 365 | — | 32.88 | 41.88 | 33 x 42 | 45.88 | 45.88 | 46 x 46 |
| 402 | — | 34.88 | 46.88 | 35 x 47 | 51.88 | 51.88 | 52 x 52 |

NOTE: Damper size should be 1/8" less than duct size required, or same size as duct collar.

SCDD - 60 Hz

| EC MOTOR | | PSC MOTOR | | RPM | MAX. BHP | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | FAN EFF. GRADE | | |
|----------|--------|-----------|--------|------------|------------|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|-------|--------------|
| SIZE | MTR HP | SIZE | MTR HP | | | 0 | 0.125 | 0.25 | 0.375 | 0.50 | 0.625 | 0.75 | 1.00 | 1.25 | 1.50 | | 1.75 | 2.00 |
| | | | | | | CFM SONE | | | | | | | | | | | | |
| 080AE | 1/6 | 080A | 1/8 | 860 | 0.01 | 323 4.2 | 247 3.4 | | | | | | | | | | N/A | |
| | | | 1/8 | 1160 | 0.03 | 436 7.4 | 382 6.3 | 321 6.1 | 232 5.5 | | | | | | | | | |
| | | | 1/8 | 1650 | 0.10 | 620 10.4 | 583 10.4 | 545 8.7 | 505 8.0 | 459 8.6 | 403 8.3 | 335 7.3 | | | | | | |
| | | --- | --- | 1750 | 0.12 | 658 10.9 | 623 10.9 | 587 9.5 | 550 8.8 | 510 9.0 | 461 9.1 | 405 8.0 | | | | | | |
| 090AE | 1/4 | 090A | 1/8 | 860 | 0.02 | 495 5.9 | 390 4.4 | | | | | | | | | | N/A | |
| | | | 1/8 | 1160 | 0.05 | 668 9.8 | 592 8.2 | 510 7.9 | 401 6.4 | | | | | | | | | |
| | | | 1/8 | 1650 | 0.14 | 950 13.0 | 897 13.0 | 843 11.2 | 789 10.3 | 729 11.1 | 660 10.7 | 578 8.5 | | | | | | |
| | | --- | --- | 1750 | 0.17 | 1008 13.7 | 958 13.7 | 907 12.3 | 856 11.3 | 803 11.4 | 742 11.8 | 673 10.9 | | | | | | |
| 100AE | 1/2 | 100A | 1/8 | 860 | 0.04 | 787 7.8 | 666 6.0 | 520 6.2 | | | | | | | | | N/A | |
| | | | 1/8 | 1160 | 0.11 | 1061 13.3 | 973 12.1 | 882 10.0 | 780 10.9 | 651 9.0 | | | | | | | | |
| | | | 1/3 | 1750 | 0.36 | 1601 17.8 | 1543 17.8 | 1484 17.6 | 1424 15.9 | 1365 14.7 | 1303 14.8 | 1236 15.6 | 1083 14.9 | 877 11.7 | | | | |
| 120AE | 3/4 | 120A | 1/8 | 860 | 0.07 | 1047 5.8 | 951 5.3 | 830 5.1 | 586 4.3 | | | | | | | | N/A | |
| | | | 1/4 | 1160 | 0.18 | 1413 9.3 | 1344 9.3 | 1268 8.1 | 1183 7.7 | 1079 8.3 | 923 6.9 | | | | | | | |
| | | | 3/4 | 1750 | 0.63 | 2132 17.9 | 2087 17.9 | 2041 17.9 | 1993 17.7 | 1942 16.5 | 1889 15.5 | 1834 14.8 | 1709 15.6 | 1551 16.1 | 1288 14.2 | | | |
| 135ANE | 3/4 | 135AN | 1/8 | 860 | 0.08 | 1041 6.9 | 941 6.2 | 819 5.5 | 670 5.2 | | | | | | | | N/A | |
| | | | 1/4 | 1160 | 0.20 | 1404 11.4 | 1332 11.4 | 1254 9.6 | 1165 8.4 | 1070 9.1 | 962 9.1 | 823 7.9 | | | | | | |
| | | | 3/4 | 1750 | 0.69 | 2118 17.8 | 2071 17.8 | 2024 17.8 | 1974 17.8 | 1922 16.9 | 1867 15.7 | 1808 15.4 | 1685 15.9 | 1554 16.6 | 1401 14.8 | 1203 14.6 | | 899 14.6 |
| 135AE | 1, 2 | 135A | 1/4 | 860 | 0.13 | 1437 7.1 | 1331 6.7 | 1208 5.9 | 1041 6.1 | | | | | | | | FEG56 | |
| | | | 1/2 | 1160 | 0.31 | 1938 11.2 | 1862 11.2 | 1780 10.7 | 1691 9.4 | 1591 9.4 | 1471 10.0 | 1306 8.9 | | | | | | |
| | | | 1* | 1750 | 1.07 | 2924 22 | 2875 22 | 2824 22 | 2771 22 | 2717 21 | 2660 20 | 2601 19.0 | 2476 18.3 | 2334 19.4 | 2161 19.6 | 1918 17.5 | | |
| 150ANE | 1, 2 | 150AN | 1/4 | 860 | 0.13 | 1385 8.2 | 1277 7.9 | 1150 6.3 | 1005 6.9 | 810 5.9 | | | | | | | FEG53 | |
| | | | 1/2 | 1160 | 0.32 | 1868 13.7 | 1790 13.7 | 1707 12.1 | 1615 10.5 | 1513 10.1 | 1407 11.0 | 1288 11.0 | 940 9.5 | | | | | |
| | | | 1* | 1750 | 1.11 | 2818 21 | 2767 21 | 2715 21 | 2662 21 | 2606 20 | 2549 19.6 | 2488 18.6 | 2359 18.0 | 2221 19.2 | 2077 19.7 | 1913 18.5 | | 1713 17.2 |
| 150AE | 1 | 150A | 1/4 | 860 | 0.20 | 1913 8.5 | 1798 8.5 | 1668 7.1 | 1513 7.5 | 1286 6.7 | | | | | | | FEG56 | |
| | | | 1/2 | 1160 | 0.50 | 2580 13.5 | 2497 13.5 | 2409 13.3 | 2315 11.9 | 2213 11.3 | 2099 11.4 | 1965 12.1 | 1514 10.0 | | | | | |
| | 1 | 1200 | 0.55 | 2669 20 | 2589 20 | 2504 20 | 2414 20 | 2317 19.3 | 2212 18.2 | 2091 17.5 | 1742 17.2 | | | | | | | |
| | 2 | 1750 | 1.72 | 3892 26 | 3838 26 | 3783 26 | 3726 26 | 3667 26 | 3607 25 | 3545 24 | 3414 22 | 3273 22 | 3116 22 | 2931 23 | 2699 22 | | | |
| 165ANE | 1** | 165AN | 1/4 | 860 | 0.23 | 2094 7.7 | 1953 7.6 | 1805 6.9 | 1647 7.2 | 1472 7.3 | 1248 7.2 | | | | | | FEG60 | |
| | | | 1/2 | 1160 | 0.56 | 2825 12.4 | 2721 12.4 | 2615 12.0 | 2506 11.4 | 2394 11.0 | 2277 11.2 | 2155 12.0 | 1877 11.2 | 1457 11.3 | | | | |
| | 2 | 1750 | 1.93 | 4261 22 | 4193 22 | 4124 22 | 4054 22 | 3984 21 | 3912 21 | 3840 21 | 3694 20 | 3543 20 | 3386 21 | 3223 22 | 3048 23 | | | |
| 165AE | 1 | 165A | 1/2 | 860 | 0.33 | 2898 10.1 | 2683 9.9 | 2499 8.9 | 2323 9.2 | 2069 9.4 | 1773 8.2 | | | | | | FEG60 | |
| | | | 1 | 1160 | 0.81 | 3909 16.5 | 3744 16.5 | 3592 15.6 | 3452 14.7 | 3327 14.2 | 3199 14.8 | 3044 15.7 | 2640 13.7 | 2152 13.5 | | | | |
| | 2 | 1500 | 1.76 | 5055 24 | 4925 24 | 4802 24 | 4684 23 | 4571 22 | 4465 21 | 4368 21 | 4174 21 | 3941 22 | 3637 22 | 3310 19.2 | 2935 19.8 | | | |
| | --- | --- | 1750 | 2.8 | 5898 30 | 5786 30 | 5678 30 | 5574 30 | 5473 29 | 5375 28 | 5281 27 | 5109 26 | 4945 26 | 4769 27 | 4552 28 | 4289 27 | | |

* Designates motors that cannot be used with speed controller.
EC Motor is an Electronically Commutated Motor.
PSC Motor is a Permanent Split Capacitor Motor.

** Performance available with 1 HP 1160 RPM ECODP motors or 1 HP 1750 RPM ECTEFC motors. 1160 RPM maximum.

NOTES:

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

Belt Driven

SCBD | Size 080A

Outlet Area = 1.17 ft²

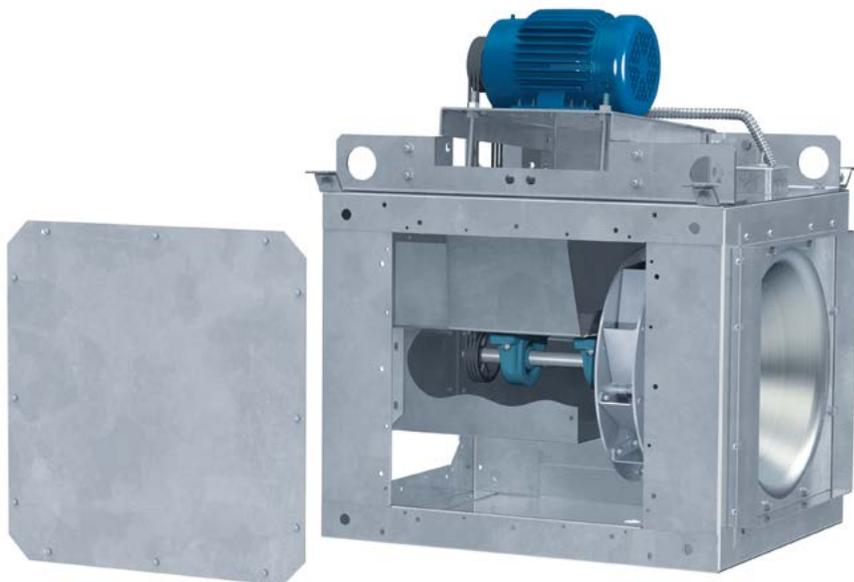
Fan Efficiency Grade: FEG50

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.125 | | 0.25 | | 0.50 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 3.00 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1/4 | 850 | 241 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.01 | 3.1 | | | | | | | | | | | | | | | | | | | | | | |
| | 1050 | 333 | | 261 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.03 | 4.6 | 0.03 | 4.7 | | | | | | | | | | | | | | | | | | | | |
| | 1250 | 419 | | 363 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.04 | 6.6 | 0.04 | 5.9 | | | | | | | | | | | | | | | | | | | | |
| | 1450 | 502 | | 455 | | 349 | | | | | | | | | | | | | | | | | | | |
| | | 0.06 | 9.0 | 0.07 | 7.3 | 0.07 | 7.5 | | | | | | | | | | | | | | | | | | |
| | 1650 | 584 | | 542 | | 457 | | 344 | | | | | | | | | | | | | | | | | |
| | | 0.09 | 11.0 | 0.10 | 9.1 | 0.10 | 9.2 | 0.10 | 7.8 | | | | | | | | | | | | | | | | |
| 1850 | 664 | | 627 | | 552 | | 470 | | 352 | | | | | | | | | | | | | | | | |
| | 0.13 | 11.8 | 0.14 | 11.0 | 0.14 | 9.9 | 0.14 | 10.7 | 0.13 | 9.1 | | | | | | | | | | | | | | | |
| 2050 | 744 | | 710 | | 643 | | 574 | | 493 | | 376 | | | | | | | | | | | | | | |
| | 0.18 | 13.9 | 0.18 | 12.8 | 0.19 | 11.2 | 0.19 | 12.2 | 0.19 | 11.7 | 0.18 | 10.6 | | | | | | | | | | | | | |
| 2250 | 823 | | 792 | | 730 | | 669 | | 604 | | 525 | | 416 | | | | | | | | | | | | |
| | 0.24 | 15.6 | 0.24 | 15.1 | 0.25 | 13.0 | 0.26 | 13.0 | 0.26 | 14.2 | 0.26 | 13.2 | 0.24 | 12.3 | | | | | | | | | | | |
| 2375 | 872 | | 843 | | 784 | | 726 | | 667 | | 599 | | 516 | | 390 | | | | | | | | | | |
| | 0.28 | 16.8 | 0.28 | 16.8 | 0.29 | 14.3 | 0.30 | 13.8 | 0.30 | 14.8 | 0.30 | 15.2 | 0.30 | 13.0 | 0.27 | 13.3 | | | | | | | | | |
| 2500 | 921 | | 893 | | 837 | | 783 | | 727 | | 667 | | 597 | | 509 | | | | | | | | | | |
| | 0.32 | 18.3 | 0.33 | 18.3 | 0.34 | 16.0 | 0.35 | 15.1 | 0.35 | 15.6 | 0.35 | 16.5 | 0.35 | 15.8 | 0.34 | 14.3 | | | | | | | | | |
| 2660 | 984 | | 957 | | 904 | | 853 | | 801 | | 748 | | 689 | | 620 | | 534 | | | | | | | | |
| | 0.39 | 20 | 0.39 | 20 | 0.40 | 18.4 | 0.41 | 16.7 | 0.42 | 16.4 | 0.43 | 18.1 | 0.43 | 18.3 | 0.42 | 16.8 | 0.41 | 16.0 | | | | | | | |
| 2860 | 1062 | | 1037 | | 988 | | 940 | | 892 | | 843 | | 793 | | 737 | | 673 | | 597 | | | | | | |
| | 0.48 | 23 | 0.49 | 23 | 0.50 | 21 | 0.51 | 19.6 | 0.52 | 18.6 | 0.53 | 19.1 | 0.53 | 20 | 0.53 | 21 | 0.52 | 19.1 | 0.51 | 17.5 | | | | | |
| 3060 | 1139 | | 1116 | | 1070 | | 1025 | | 980 | | 935 | | 889 | | 842 | | 789 | | 730 | | 576 | | | | |
| | 0.59 | 26 | 0.59 | 26 | 0.61 | 25 | 0.62 | 23 | 0.63 | 21 | 0.64 | 21 | 0.65 | 21 | 0.65 | 22 | 0.65 | 23 | 0.64 | 21 | 0.61 | 19.4 | | | |
| 3260 | 1217 | | 1195 | | 1152 | | 1109 | | 1067 | | 1025 | | 982 | | 939 | | 894 | | 845 | | 729 | | 559 | | |
| | 0.71 | 29 | 0.72 | 29 | 0.73 | 29 | 0.74 | 25 | 0.76 | 24 | 0.77 | 23 | 0.77 | 23 | 0.78 | 24 | 0.79 | 25 | 0.79 | 25 | 0.77 | 22 | 0.72 | 22 | |
| 3425 | 1281 | | 1260 | | 1218 | | 1177 | | 1137 | | 1097 | | 1057 | | 1016 | | 975 | | 932 | | 833 | | 708 | | |
| | 0.82 | 33 | 0.83 | 33 | 0.84 | 32 | 0.86 | 29 | 0.87 | 26 | 0.88 | 25 | 0.89 | 24 | 0.90 | 25 | 0.91 | 26 | 0.91 | 27 | 0.91 | 26 | 0.87 | 23 | |
| 3590 | 1344 | | 1324 | | 1285 | | 1246 | | 1207 | | 1169 | | 1131 | | 1092 | | 1053 | | 1013 | | 926 | | 823 | | |
| | 0.94 | 35 | 0.95 | 35 | 0.97 | 35 | 0.98 | 33 | 1.00 | 30 | 1.01 | 28 | 1.02 | 27 | 1.03 | 27 | 1.03 | 27 | 1.05 | 29 | 1.05 | 29 | 1.03 | 26 | |

MAXIMUM MOTOR FRAME SIZE: 145T

NOTES:

1. Performance certified is for Installation Type B: Free inlet, ducted 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. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
5. Values shown are for installation Type B: free inlet hemispherical sone levels.



SCBD | 090A

Outlet Area = 1.62 ft²

Fan Efficiency Grade: FEG60

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| | | 0.125 | | 0.25 | | 0.50 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.75 | | 3.25 | | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | |
| 1/4 | 1450 | 752 | 697 | 562 | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.09 | 9.0 | 0.09 | 8.2 | 0.10 | 8.8 | | | | | | | | | | | | | | | | | | | |
| | 1650 | 869 | 822 | 715 | | 576 | | | | | | | | | | | | | | | | | | | | |
| | | 0.13 | 11.1 | 0.13 | 10.6 | 0.14 | 10.1 | 0.14 | 10.9 | | | | | | | | | | | | | | | | | |
| 1850 | 984 | 944 | 854 | 748 | 608 | | | | | | | | | | | | | | | | | | | | | |
| | 0.18 | 13.2 | 0.18 | 13.3 | 0.19 | 12.0 | 0.20 | 12.8 | 0.20 | 12.4 | | | | | | | | | | | | | | | | |
| 2015 | 1079 | 1042 | 962 | 872 | 764 | 616 | | | | | | | | | | | | | | | | | | | | |
| | 0.23 | 14.8 | 0.23 | 14.8 | 0.25 | 13.5 | 0.26 | 13.1 | 0.26 | 14.4 | 0.25 | 12.7 | | | | | | | | | | | | | | |
| 1/3 | 2120 | 1139 | 1104 | 1029 | 946 | 851 | 734 | 505 | | | | | | | | | | | | | | | | | | |
| | | 0.27 | 15.8 | 0.27 | 15.8 | 0.28 | 14.4 | 0.30 | 13.9 | 0.30 | 14.8 | 0.30 | 14.8 | 0.27 | 13.2 | | | | | | | | | | | |
| 2230 | 1201 | 1168 | 1099 | 1022 | 935 | 835 | 703 | | | | | | | | | | | | | | | | | | | |
| | 0.31 | 16.8 | 0.31 | 16.8 | 0.33 | 15.9 | 0.34 | 14.7 | 0.35 | 15.5 | 0.35 | 16.2 | 0.35 | 14.1 | | | | | | | | | | | | |
| 1/2 | 2390 | 1292 | 1262 | 1197 | 1128 | 1052 | 967 | 868 | 736 | | | | | | | | | | | | | | | | | |
| | | 0.38 | 17.9 | 0.38 | 17.9 | 0.40 | 17.6 | 0.41 | 16.3 | 0.43 | 16.3 | 0.43 | 17.3 | 0.44 | 17.3 | 0.42 | 14.4 | | | | | | | | | |
| 2550 | 1382 | 1354 | 1295 | 1231 | 1163 | 1088 | 1004 | 908 | 781 | | | | | | | | | | | | | | | | | |
| | 0.46 | 19.8 | 0.47 | 19.8 | 0.48 | 19.6 | 0.49 | 18.7 | 0.51 | 17.9 | 0.52 | 18.4 | 0.53 | 19.4 | 0.53 | 18.6 | 0.51 | 16.0 | | | | | | | | |
| 3/4 | 2735 | 1487 | 1460 | 1406 | 1348 | 1286 | 1220 | 1149 | 1069 | 979 | 866 | 646 | | | | | | | | | | | | | | |
| | | 0.56 | 22 | 0.57 | 22 | 0.59 | 22 | 0.60 | 21 | 0.62 | 20 | 0.63 | 20 | 0.65 | 21 | 0.65 | 22 | 0.65 | 21 | 0.64 | 18.4 | 0.58 | 17.3 | | | |
| 2920 | 1591 | 1566 | 1515 | 1462 | 1406 | 1347 | 1283 | 1215 | 1140 | 1056 | 956 | | | | | | | | | | | | | | | |
| | 0.69 | 25 | 0.69 | 25 | 0.71 | 25 | 0.73 | 24 | 0.74 | 23 | 0.76 | 22 | 0.78 | 22 | 0.79 | 24 | 0.79 | 24 | 0.79 | 23 | 0.78 | 21 | | | | |
| 1 | 3060 | 1669 | 1646 | 1598 | 1547 | 1495 | 1440 | 1381 | 1319 | 1251 | 1178 | 1097 | 863 | | | | | | | | | | | | | |
| | | 0.79 | 26 | 0.80 | 26 | 0.81 | 26 | 0.83 | 26 | 0.85 | 25 | 0.87 | 24 | 0.88 | 24 | 0.90 | 24 | 0.91 | 25 | 0.91 | 26 | 0.91 | 25 | 0.87 | 21 | |
| 3205 | 1750 | 1728 | 1682 | 1635 | 1585 | 1534 | 1480 | 1422 | 1361 | 1296 | 1224 | 1055 | | | | | | | | | | | | | | |
| | 0.90 | 28 | 0.91 | 28 | 0.93 | 28 | 0.95 | 28 | 0.97 | 27 | 0.99 | 26 | 1.01 | 26 | 1.02 | 26 | 1.04 | 27 | 1.05 | 28 | 1.05 | 28 | 1.05 | 28 | 1.04 | 24 |

MAXIMUM MOTOR FRAME SIZE: 145T

SCBD | 100A

Outlet Area = 2.20 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.13 | | 0.25 | | 0.38 | | 0.50 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1/4 | 1025 | 816 | 716 | 592 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.07 | 6.8 | 0.07 | 6.2 | 0.07 | 6.9 | | | | | | | | | | | | | | | | | | |
| | 1275 | 1053 | 981 | 899 | 806 | | | | | | | | | | | | | | | | | | | | |
| | | 0.13 | 9.9 | 0.13 | 9.1 | 0.14 | 8.7 | 0.14 | 9.5 | | | | | | | | | | | | | | | | |
| 1465 | 1229 | 1169 | 1103 | 1030 | 859 | | | | | | | | | | | | | | | | | | | | |
| | 0.19 | 12.3 | 0.20 | 12.1 | 0.20 | 11.2 | 0.21 | 10.8 | 0.22 | 12.1 | | | | | | | | | | | | | | | |
| 1565 | 1321 | 1265 | 1205 | 1140 | 992 | 790 | | | | | | | | | | | | | | | | | | | |
| | 0.23 | 13.7 | 0.24 | 13.7 | 0.25 | 12.8 | 0.25 | 12.2 | 0.26 | 13.1 | 0.26 | 12.7 | | | | | | | | | | | | | |
| 1/3 | 1645 | 1394 | 1341 | 1285 | 1225 | 1090 | 924 | | | | | | | | | | | | | | | | | | |
| | | 0.27 | 15.0 | 0.28 | 14.5 | 0.28 | 13.9 | 0.29 | 13.2 | 0.30 | 13.9 | 0.31 | 14.3 | | | | | | | | | | | | |
| 1725 | 1467 | 1417 | 1364 | 1308 | 1184 | 1038 | 833 | | | | | | | | | | | | | | | | | | |
| | 0.31 | 16.0 | 0.32 | 16.0 | 0.33 | 15.4 | 0.33 | 14.5 | 0.35 | 14.4 | 0.35 | 15.6 | 0.34 | 14.4 | | | | | | | | | | | |
| 1/2 | 1850 | 1580 | 1534 | 1485 | 1434 | 1324 | 1199 | 1049 | 818 | | | | | | | | | | | | | | | | |
| | | 0.38 | 17.9 | 0.39 | 17.9 | 0.40 | 17.1 | 0.41 | 16.3 | 0.42 | 15.5 | 0.43 | 16.7 | 0.44 | 17.5 | 0.41 | 16.1 | | | | | | | | |
| 1980 | 1697 | 1654 | 1610 | 1563 | 1463 | 1353 | 1229 | 1077 | 825 | | | | | | | | | | | | | | | | |
| | 0.47 | 19.2 | 0.47 | 19.2 | 0.48 | 19.0 | 0.49 | 18.3 | 0.51 | 17.2 | 0.53 | 17.3 | 0.53 | 18.8 | 0.53 | 18.1 | 0.5 | 16.8 | | | | | | | |
| 3/4 | 2120 | 1823 | 1783 | 1742 | 1699 | 1609 | 1510 | 1403 | 1281 | 1133 | 894 | | | | | | | | | | | | | | |
| | | 0.57 | 21 | 0.58 | 21 | 0.59 | 20 | 0.60 | 20 | 0.62 | 19.2 | 0.64 | 18.6 | 0.65 | 19.5 | 0.66 | 20 | 0.65 | 19.1 | 0.61 | 17.9 | | | | |
| 2255 | 1944 | 1906 | 1868 | 1829 | 1746 | 1656 | 1560 | 1455 | 1366 | 1192 | 970 | | | | | | | | | | | | | | |
| | 0.68 | 22 | 0.69 | 22 | 0.70 | 22 | 0.71 | 22 | 0.74 | 21 | 0.76 | 19.9 | 0.77 | 19.9 | 0.79 | 21 | 0.79 | 21 | 0.78 | 19.9 | 0.74 | 18.1 | | | |
| 1 | 2370 | 2046 | 2011 | 1975 | 1938 | 1860 | 1777 | 1689 | 1593 | 1489 | 1371 | 1226 | 999 | | | | | | | | | | | | |
| | | 0.79 | 24 | 0.80 | 24 | 0.81 | 24 | 0.83 | 24 | 0.85 | 23 | 0.87 | 22 | 0.89 | 22 | 0.91 | 22 | 0.92 | 23 | 0.92 | 22 | 0.91 | 20 | 0.85 | 19.3 |
| 2480 | 2145 | 2111 | 2077 | 2041 | 1968 | 1891 | 1808 | 1720 | 1626 | 1522 | 1405 | 1259 | | | | | | | | | | | | | |
| | 0.91 | 25 | 0.92 | 25 | 0.93 | 25 | 0.94 | 25 | 0.96 | 24 | 0.99 | 23 | 1.01 | 23 | 1.03 | 23 | 1.04 | 24 | 1.05 | 25 | 1.05 | 24 | 1.03 | 21 | |

MAXIMUM MOTOR FRAME SIZE: 145T

NOTES:

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

Belt Driven

SCBD | 120A

Outlet Area = 2.67 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|----------|------|----------|-------|----------|------|----------|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 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 |
| 1/4 | 700 | 716 | | 489 | | | | | | | | | | | | | | | | | | | |
| | | 0.04 | 3.5 | 0.04 | 3.0 | | | | | | | | | | | | | | | | | | |
| | 900 | 990 | | 880 | | 710 | | | | | | | | | | | | | | | | | |
| | | 0.08 | 6.2 | 0.09 | 6.0 | 0.09 | 5.7 | | | | | | | | | | | | | | | | |
| 1/4 | 1100 | 1252 | | 1166 | | 1074 | | 944 | | 748 | | | | | | | | | | | | | |
| | | 0.15 | 9.2 | 0.16 | 7.9 | 0.16 | 8.0 | 0.16 | 8.5 | 0.15 | 6.8 | | | | | | | | | | | | |
| 1/3 | 1290 | 1495 | | 1423 | | 1349 | | 1271 | | 1169 | | 1041 | | | | | | | | | | | |
| | | 0.24 | 11.6 | 0.25 | 10.9 | 0.25 | 10.0 | 0.26 | 10.1 | 0.26 | 10.8 | 0.26 | 10.3 | | | | | | | | | | |
| 1/3 | 1355 | 1578 | | 1509 | | 1439 | | 1367 | | 1282 | | 1172 | | | | | | | | | | | |
| | | 0.27 | 12.5 | 0.28 | 11.9 | 0.29 | 10.9 | 0.30 | 10.7 | 0.30 | 11.3 | 0.30 | 11.6 | | | | | | | | | | |
| 1/2 | 1420 | 1660 | | 1595 | | 1528 | | 1461 | | 1387 | | 1293 | | 1040 | | | | | | | | | |
| | | 0.31 | 13.6 | 0.32 | 13.0 | 0.33 | 11.8 | 0.34 | 11.6 | 0.35 | 11.7 | 0.35 | 12.4 | 0.34 | 10.5 | | | | | | | | |
| 1/2 | 1525 | 1792 | | 1732 | | 1670 | | 1607 | | 1543 | | 1471 | | 1275 | | | | | | | | | |
| | | 0.39 | 14.9 | 0.40 | 14.9 | 0.41 | 13.9 | 0.42 | 13.1 | 0.43 | 12.8 | 0.43 | 13.4 | 0.43 | 13.6 | | | | | | | | |
| 3/4 | 1630 | 1923 | | 1867 | | 1810 | | 1751 | | 1693 | | 1631 | | 1476 | | 1267 | | | | | | | |
| | | 0.47 | 16.7 | 0.48 | 16.7 | 0.49 | 15.8 | 0.50 | 14.5 | 0.51 | 14.3 | 0.52 | 14.3 | 0.53 | 15.2 | 0.52 | 13.9 | | | | | | |
| 3/4 | 1750 | 2072 | | 2020 | | 1968 | | 1913 | | 1859 | | 1804 | | 1681 | | 1514 | | 1302 | | | | | |
| | | 0.58 | 18.6 | 0.59 | 18.6 | 0.61 | 17.7 | 0.62 | 16.8 | 0.63 | 15.8 | 0.64 | 15.6 | 0.65 | 16.4 | 0.65 | 16.6 | 0.64 | 14.6 | | | | |
| 1 | 1865 | 2215 | | 2166 | | 2117 | | 2067 | | 2016 | | 1965 | | 1858 | | 1726 | | 1556 | | 1337 | | | |
| | | 0.70 | 21 | 0.71 | 21 | 0.73 | 20 | 0.74 | 19.4 | 0.75 | 18.3 | 0.76 | 17.6 | 0.78 | 17.6 | 0.79 | 18.7 | 0.79 | 18.3 | 0.77 | 15.3 | | |
| 1 | 1955 | 2326 | | 2280 | | 2233 | | 2186 | | 2137 | | 2089 | | 1990 | | 1877 | | 1731 | | 1557 | | 1285 | |
| | | 0.80 | 22 | 0.82 | 22 | 0.83 | 22 | 0.85 | 22 | 0.86 | 20 | 0.87 | 19.4 | 0.90 | 18.9 | 0.91 | 19.5 | 0.91 | 20 | 0.9 | 19.3 | 0.86 | 16.3 |
| 1 | 2045 | 2437 | | 2393 | | 2349 | | 2304 | | 2258 | | 2211 | | 2118 | | 2017 | | 1894 | | 1741 | | 1564 | |
| | | 0.92 | 24 | 0.93 | 24 | 0.95 | 24 | 0.97 | 23 | 0.98 | 22 | 0.99 | 22 | 1.02 | 20 | 1.04 | 21 | 1.05 | 22 | 1.04 | 22 | 1.03 | 19.4 |
| 1 1/2 | 2195 | 2622 | | 2582 | | 2540 | | 2498 | | 2456 | | 2413 | | 2326 | | 2238 | | 2140 | | 2022 | | 1879 | 1718 |
| | | 1.13 | 26 | 1.15 | 26 | 1.17 | 26 | 1.18 | 26 | 1.20 | 25 | 1.22 | 25 | 1.24 | 23 | 1.27 | 22 | 1.29 | 23 | 1.29 | 24 | 1.29 | 24 |
| 1 1/2 | 2345 | 2807 | | 2769 | | 2730 | | 2691 | | 2652 | | 2612 | | 2531 | | 2450 | | 2365 | | 2271 | | 2159 | 2026 |
| | | 1.38 | 30 | 1.40 | 30 | 1.42 | 30 | 1.43 | 30 | 1.45 | 29 | 1.47 | 28 | 1.50 | 26 | 1.53 | 25 | 1.55 | 25 | 1.57 | 25 | 1.58 | 27 |

MAXIMUM MOTOR FRAME SIZE: 145T

SCBD | 120AHP

Outlet Area = 2.67 ft²

Fan Efficiency Grade: FEG53

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|
| | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | | 3.25 | | 3.50 | |
| | | 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 |
| 1/2 | 1240 | 586 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.15 | 7.6 | | | | | | | | | | | | | | | | | | | | | | |
| 1/2 | 1450 | 921 | | 720 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.26 | 10.7 | 0.24 | 9.6 | | | | | | | | | | | | | | | | | | | | |
| 1/3 | 1525 | 1020 | | 855 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.30 | 11.3 | 0.30 | 10.9 | | | | | | | | | | | | | | | | | | | | |
| 1/3 | 1600 | 1112 | | 963 | | 754 | | | | | | | | | | | | | | | | | | | |
| | | 0.34 | 11.8 | 0.35 | 12.2 | 0.32 | 10.8 | | | | | | | | | | | | | | | | | | |
| 1/2 | 1720 | 1249 | | 1125 | | 978 | | | | | | | | | | | | | | | | | | | |
| | | 0.42 | 13.1 | 0.43 | 13.6 | 0.43 | 13.1 | | | | | | | | | | | | | | | | | | |
| 1/2 | 1840 | 1378 | | 1275 | | 1146 | | 1004 | | | | | | | | | | | | | | | | | |
| | | 0.51 | 14.4 | 0.52 | 14.4 | 0.53 | 15.3 | 0.52 | 14.2 | | | | | | | | | | | | | | | | |
| 3/4 | 1970 | 1513 | | 1424 | | 1318 | | 1193 | | 1055 | | | | | | | | | | | | | | | |
| | | 0.62 | 16.9 | 0.63 | 16.0 | 0.64 | 16.4 | 0.64 | 16.6 | 0.63 | 15.2 | | | | | | | | | | | | | | |
| 3/4 | 2105 | 1650 | | 1571 | | 1482 | | 1375 | | 1257 | | 1126 | | | | | | | | | | | | | |
| | | 0.75 | 19.3 | 0.77 | 18.0 | 0.78 | 17.5 | 0.79 | 18.4 | 0.79 | 18.2 | 0.77 | 17.0 | | | | | | | | | | | | |
| 1 | 2210 | 1755 | | 1681 | | 1601 | | 1509 | | 1401 | | 1287 | | 1153 | | | | | | | | | | | |
| | | 0.86 | 21 | 0.88 | 20 | 0.90 | 19.0 | 0.91 | 19.2 | 0.91 | 20 | 0.91 | 19.8 | 0.88 | 17.8 | | | | | | | | | | |
| 1 | 2315 | 1858 | | 1788 | | 1715 | | 1634 | | 1539 | | 1433 | | 1323 | | 1187 | | | | | | | | | |
| | | 0.98 | 24 | 1.00 | 21 | 1.02 | 20 | 1.04 | 20 | 1.05 | 21 | 1.05 | 21 | 1.04 | 21 | 1.01 | 18.9 | | | | | | | | |
| 1 1/2 | 2485 | 2024 | | 1960 | | 1894 | | 1824 | | 1747 | | 1658 | | 1560 | | 1459 | | 1348 | | 1184 | | | | | |
| | | 1.21 | 27 | 1.23 | 25 | 1.25 | 24 | 1.27 | 23 | 1.28 | 23 | 1.29 | 23 | 1.30 | 24 | 1.29 | 24 | 1.28 | 22 | 1.19 | 21 | | | | |
| 1 1/2 | 2655 | 2187 | | 2128 | | 2067 | | 2005 | | 1938 | | 1866 | | 1784 | | 1692 | | 1598 | | 1501 | | 1384 | 1206 | | |
| | | 1.46 | 30 | 1.49 | 29 | 1.51 | 27 | 1.53 | 26 | 1.55 | 25 | 1.56 | 25 | 1.58 | 26 | 1.58 | 26 | 1.58 | 26 | 1.57 | 25 | 1.53 | 23 | 1.4 | 23 |

MAXIMUM MOTOR FRAME SIZE: 145T

NOTES:

1. Performance certified is for Installation Type B: Free inlet, ducted 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. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
5. Values shown are for installation Type B: free inlet hemispherical sone levels.

SCBD | 135A

Outlet Area = 3.22 ft²

Fan Efficiency Grade: FEG53

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1/4 | 900 | 1386 | | 1268 | | 1120 | | 894 | | | | | | | | | | | | | | | | | |
| | | 0.14 | 8.0 | 0.15 | 7.1 | 0.15 | 7.7 | 0.15 | 6.1 | | | | | | | | | | | | | | | | |
| 1/4 | 1075 | 1696 | | 1599 | | 1500 | | 1380 | | 1217 | | | | | | | | | | | | | | | |
| | | 0.23 | 11.0 | 0.24 | 9.8 | 0.25 | 9.4 | 0.26 | 10.0 | 0.26 | 9.8 | | | | | | | | | | | | | | |
| 1/3 | 1130 | 1792 | | 1700 | | 1607 | | 1503 | | 1365 | | 1192 | | | | | | | | | | | | | |
| | | 0.27 | 11.8 | 0.28 | 10.8 | 0.29 | 10.1 | 0.30 | 10.3 | 0.30 | 10.9 | 0.29 | 9.6 | | | | | | | | | | | | |
| 1/3 | 1190 | 1897 | | 1810 | | 1721 | | 1629 | | 1515 | | 1367 | | | | | | | | | | | | | |
| | | 0.31 | 12.6 | 0.33 | 12.0 | 0.34 | 10.9 | 0.34 | 10.9 | 0.35 | 11.7 | 0.35 | 11.4 | | | | | | | | | | | | |
| 1/2 | 1280 | 2053 | | 1973 | | 1890 | | 1807 | | 1716 | | 1602 | | 1292 | | | | | | | | | | | |
| | | 0.39 | 13.9 | 0.40 | 13.4 | 0.41 | 12.4 | 0.42 | 12.0 | 0.43 | 12.2 | 0.43 | 13.0 | 0.42 | 10.8 | | | | | | | | | | |
| 1/2 | 1370 | 2208 | | 2133 | | 2057 | | 1980 | | 1901 | | 1811 | | 1568 | | | | | | | | | | | |
| | | 0.47 | 15.4 | 0.49 | 15.4 | 0.50 | 14.4 | 0.51 | 13.3 | 0.52 | 13.2 | 0.53 | 14.0 | 0.53 | 14.1 | | | | | | | | | | |
| 3/4 | 1465 | 2370 | | 2301 | | 2231 | | 2158 | | 2086 | | 2010 | | 1818 | | 1559 | | | | | | | | | |
| | | 0.58 | 17.0 | 0.59 | 17.0 | 0.61 | 16.0 | 0.62 | 15.0 | 0.63 | 14.8 | 0.64 | 14.8 | 0.65 | 15.8 | 0.64 | 14.3 | | | | | | | | |
| 3/4 | 1565 | 2541 | | 2477 | | 2411 | | 2344 | | 2277 | | 2208 | | 2054 | | 1843 | | 1572 | | | | | | | |
| | | 0.70 | 19.0 | 0.72 | 19.0 | 0.73 | 18.3 | 0.75 | 17.2 | 0.76 | 16.5 | 0.77 | 16.2 | 0.79 | 17.2 | 0.79 | 17.3 | 0.77 | 14.8 | | | | | | |
| 1 | 1640 | 2669 | | 2608 | | 2545 | | 2482 | | 2417 | | 2353 | | 2215 | | 2038 | | 1813 | | | | | | | |
| | | 0.81 | 20 | 0.82 | 20 | 0.84 | 20 | 0.86 | 19.1 | 0.87 | 18.1 | 0.88 | 17.4 | 0.91 | 17.6 | 0.91 | 18.9 | 0.9 | 17.7 | | | | | | |
| 1 | 1720 | 2805 | | 2747 | | 2687 | | 2627 | | 2566 | | 2504 | | 2378 | | 2229 | | 2034 | | 1801 | | | | | |
| | | 0.93 | 22 | 0.95 | 22 | 0.96 | 22 | 0.98 | 21 | 1.00 | 19.8 | 1.01 | 19.1 | 1.04 | 18.6 | 1.05 | 19.7 | 1.05 | 19.9 | 1.04 | 18.1 | | | | |
| 1 1/2 | 1845 | 3017 | | 2963 | | 2908 | | 2852 | | 2795 | | 2738 | | 2623 | | 2500 | | 2350 | | 2163 | | 1946 | | | |
| | | 1.14 | 25 | 1.16 | 25 | 1.18 | 25 | 1.20 | 24 | 1.22 | 23 | 1.23 | 22 | 1.27 | 21 | 1.29 | 21 | 1.30 | 22 | 1.29 | 22 | 1.28 | 21 | | |
| 1 1/2 | 1970 | 3228 | | 3178 | | 3127 | | 3075 | | 3022 | | 2969 | | 2862 | | 2752 | | 2632 | | 2484 | | 2305 | | 2105 | |
| | | 1.39 | 27 | 1.41 | 27 | 1.43 | 27 | 1.45 | 27 | 1.47 | 26 | 1.49 | 25 | 1.52 | 24 | 1.55 | 23 | 1.58 | 24 | 1.58 | 25 | 1.58 | 24 | 1.56 | 23 |

MAXIMUM MOTOR FRAME SIZE: 145T

SCBD | 135AHP

Outlet Area = 3.22 ft²

Fan Efficiency Grade: FEG53

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.25 | | 0.50 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1/4 | 1050 | 1116 | | 899 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.16 | 8.5 | 0.17 | 8.1 | | | | | | | | | | | | | | | | | | | | |
| 1/4 | 1200 | 1321 | | 1161 | | 937 | | | | | | | | | | | | | | | | | | | |
| | | 0.23 | 11.4 | 0.24 | 9.3 | 0.25 | 9.5 | | | | | | | | | | | | | | | | | | |
| 1/3 | 1275 | 1421 | | 1276 | | 1081 | | 789 | | | | | | | | | | | | | | | | | |
| | | 0.28 | 12.6 | 0.29 | 10.1 | 0.30 | 10.8 | 0.26 | 9.7 | | | | | | | | | | | | | | | | |
| 1/3 | 1350 | 1520 | | 1387 | | 1219 | | 1007 | | | | | | | | | | | | | | | | | |
| | | 0.33 | 14.0 | 0.34 | 11.5 | 0.35 | 11.7 | 0.35 | 11.0 | | | | | | | | | | | | | | | | |
| 1/2 | 1450 | 1651 | | 1529 | | 1390 | | 1206 | | 966 | | | | | | | | | | | | | | | |
| | | 0.40 | 15.5 | 0.42 | 13.2 | 0.43 | 12.4 | 0.44 | 13.0 | 0.41 | 11.6 | | | | | | | | | | | | | | |
| 1/2 | 1550 | 1780 | | 1668 | | 1546 | | 1392 | | 1212 | | | | | | | | | | | | | | | |
| | | 0.49 | 17.2 | 0.51 | 15.0 | 0.52 | 13.6 | 0.53 | 14.4 | 0.53 | 13.9 | | | | | | | | | | | | | | |
| 3/4 | 1655 | 1915 | | 1812 | | 1701 | | 1573 | | 1412 | | 1237 | | | | | | | | | | | | | |
| | | 0.59 | 19.0 | 0.61 | 17.4 | 0.63 | 15.2 | 0.64 | 15.2 | 0.65 | 16.0 | 0.64 | 14.6 | | | | | | | | | | | | |
| 3/4 | 1765 | 2055 | | 1959 | | 1858 | | 1747 | | 1613 | | 1457 | | 1283 | | | | | | | | | | | |
| | | 0.71 | 21 | 0.74 | 19.7 | 0.76 | 17.6 | 0.77 | 16.2 | 0.78 | 17.1 | 0.79 | 17.2 | 0.77 | 15.5 | | | | | | | | | | |
| 1 | 1855 | 2169 | | 2079 | | 1983 | | 1882 | | 1767 | | 1625 | | 1475 | | 1286 | | | | | | | | | |
| | | 0.82 | 22 | 0.85 | 21 | 0.87 | 19.1 | 0.89 | 18.0 | 0.91 | 17.6 | 0.91 | 18.4 | 0.91 | 18.2 | 0.87 | 16.4 | | | | | | | | |
| 1 | 1945 | 2282 | | 2197 | | 2107 | | 2013 | | 1910 | | 1788 | | 1646 | | 1501 | | 1294 | | | | | | | |
| | | 0.94 | 24 | 0.97 | 23 | 1.00 | 21 | 1.02 | 19.4 | 1.04 | 18.6 | 1.05 | 19.5 | 1.05 | 19.9 | 1.04 | 19.3 | 0.98 | 17.8 | | | | | | |
| 1 1/2 | 2085 | 2458 | | 2379 | | 2297 | | 2211 | | 2121 | | 2021 | | 1903 | | 1771 | | 1637 | | 1470 | | | | | |
| | | 1.16 | 26 | 1.19 | 26 | 1.22 | 24 | 1.24 | 22 | 1.26 | 21 | 1.28 | 21 | 1.29 | 22 | 1.30 | 22 | 1.29 | 22 | 1.25 | 19.7 | | | | |
| 1 1/2 | 2225 | 2633 | | 2560 | | 2484 | | 2405 | | 2323 | | 2236 | | 2139 | | 2027 | | 1903 | | 1779 | | 1639 | | 1423 | |
| | | 1.40 | 29 | 1.44 | 29 | 1.47 | 27 | 1.50 | 26 | 1.52 | 24 | 1.54 | 23 | 1.56 | 23 | 1.57 | 24 | 1.57 | 24 | 1.57 | 24 | 1.55 | 23 | 1.43 | 22 |

MAXIMUM MOTOR FRAME SIZE: 145T

NOTES:

1. Performance certified is for Installation Type B: Free inlet, ducted 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. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
5. Values shown are for installation Type B: free inlet hemispherical sone levels.

Belt Driven

SCBD | 150A

Outlet Area = 3.90 ft²

Fan Efficiency Grade: FEG53

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | 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 |
| 1/4 | 825 | 1693 | | 1552 | | 1378 | | 1115 | | | | | | | | | | | | | | | |
| | | 0.17 | 8.2 | 0.18 | 7.3 | 0.19 | 7.9 | 0.18 | 6.6 | | | | | | | | | | | | | | |
| 1/4 | 920 | 1918 | | 1793 | | 1660 | | 1481 | | 1235 | | | | | | | | | | | | | |
| | | 0.24 | 10.2 | 0.25 | 9.1 | 0.26 | 8.7 | 0.26 | 9.5 | 0.25 | 7.7 | | | | | | | | | | | | |
| 1/3 | 970 | 2035 | | 1917 | | 1795 | | 1646 | | 1444 | | | | | | | | | | | | | |
| | | 0.28 | 10.9 | 0.29 | 9.9 | 0.30 | 9.3 | 0.30 | 10.1 | 0.30 | 9.8 | | | | | | | | | | | | |
| 1/3 | 1020 | 2152 | | 2040 | | 1925 | | 1798 | | 1626 | | 1410 | | | | | | | | | | | |
| | | 0.32 | 11.7 | 0.33 | 11.1 | 0.34 | 10.1 | 0.35 | 10.7 | 0.35 | 10.9 | 0.35 | 9.8 | | | | | | | | | | |
| 1/2 | 1095 | 2326 | | 2222 | | 2116 | | 2006 | | 1874 | | 1701 | | | | | | | | | | | |
| | | 0.39 | 13.2 | 0.41 | 12.6 | 0.42 | 11.5 | 0.43 | 11.4 | 0.44 | 12.3 | 0.44 | 12.4 | | | | | | | | | | |
| 1/2 | 1170 | 2498 | | 2402 | | 2303 | | 2203 | | 2094 | | 1959 | | 1593 | | | | | | | | | |
| | | 0.48 | 14.6 | 0.49 | 14.2 | 0.51 | 13.0 | 0.52 | 12.5 | 0.53 | 12.9 | 0.53 | 13.4 | 0.52 | 11.7 | | | | | | | | |
| 3/4 | 1250 | 2682 | | 2592 | | 2500 | | 2407 | | 2311 | | 2204 | | 1913 | | | | | | | | | |
| | | 0.58 | 16.2 | 0.60 | 15.8 | 0.61 | 14.8 | 0.63 | 14.0 | 0.64 | 13.6 | 0.65 | 14.3 | 0.65 | 14.7 | | | | | | | | |
| 3/4 | 1335 | 2876 | | 2792 | | 2707 | | 2620 | | 2532 | | 2440 | | 2209 | | 1898 | | | | | | | |
| | | 0.70 | 18.0 | 0.72 | 18.0 | 0.74 | 17.1 | 0.76 | 15.8 | 0.77 | 15.3 | 0.78 | 15.3 | 0.79 | 16.7 | 0.78 | 15.1 | | | | | | |
| 1 | 1400 | 3024 | | 2944 | | 2863 | | 2780 | | 2697 | | 2613 | | 2416 | | 2147 | | 1771 | | | | | |
| | | 0.81 | 18.8 | 0.83 | 18.8 | 0.85 | 18.5 | 0.87 | 17.5 | 0.88 | 16.8 | 0.90 | 16.1 | 0.91 | 17.3 | 0.91 | 17.3 | 0.88 | 14.4 | | | | |
| 1 | 1465 | 3171 | | 3096 | | 3019 | | 2940 | | 2860 | | 2781 | | 2607 | | 2377 | | 2090 | | | | | |
| | | 0.93 | 20 | 0.95 | 20 | 0.97 | 20 | 0.99 | 19.0 | 1.00 | 18.1 | 1.02 | 17.7 | 1.04 | 17.7 | 1.05 | 18.9 | 1.03 | 17.2 | | | | |
| 1 1/2 | 1570 | 3409 | | 3339 | | 3267 | | 3195 | | 3120 | | 3046 | | 2894 | | 2715 | | 2483 | | 2206 | | | |
| | | 1.14 | 23 | 1.16 | 23 | 1.18 | 23 | 1.20 | 22 | 1.22 | 20 | 1.24 | 19.8 | 1.27 | 19.4 | 1.29 | 21 | 1.29 | 21 | 1.27 | 18.9 | | |
| 1 1/2 | 1680 | 3657 | | 3592 | | 3525 | | 3458 | | 3389 | | 3320 | | 3181 | | 3032 | | 2851 | | 2625 | | 2365 | |
| | | 1.39 | 25 | 1.41 | 25 | 1.44 | 25 | 1.46 | 25 | 1.48 | 24 | 1.50 | 22 | 1.54 | 21 | 1.57 | 21 | 1.58 | 23 | 1.57 | 23 | 1.56 | 21 |
| 2 | 1760 | 3837 | | 3775 | | 3712 | | 3648 | | 3583 | | 3517 | | 3385 | | 3248 | | 3094 | | 2903 | | 2676 | 2412 |
| | | 1.59 | 27 | 1.62 | 27 | 1.64 | 27 | 1.67 | 27 | 1.69 | 25 | 1.71 | 24 | 1.75 | 23 | 1.79 | 23 | 1.81 | 24 | 1.82 | 25 | 1.81 | 24 |
| 2 | 1845 | 4028 | | 3969 | | 3909 | | 3848 | | 3787 | | 3724 | | 3598 | | 3471 | | 3334 | | 3174 | | 2979 | 2758 |
| | | 1.83 | 29 | 1.86 | 29 | 1.89 | 29 | 1.91 | 29 | 1.94 | 28 | 1.96 | 27 | 2.00 | 25 | 2.04 | 25 | 2.08 | 25 | 2.09 | 26 | 2.09 | 27 |

MAXIMUM MOTOR FRAME SIZE: 184T

SCBD | 150AHP

Outlet Area = 3.90 ft²

Fan Efficiency Grade: FEG53

| 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 | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | 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 |
| 1/3 | 950 | 1078 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.20 | 8.3 | | | | | | | | | | | | | | | | | | | | | | |
| 1/3 | 1140 | 1505 | | 1261 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.34 | 10.4 | 0.34 | 10.8 | | | | | | | | | | | | | | | | | | | | |
| 1/2 | 1230 | 1682 | | 1481 | | 1226 | | | | | | | | | | | | | | | | | | | |
| | | 0.42 | 11.9 | 0.43 | 12.0 | 0.42 | 11.5 | | | | | | | | | | | | | | | | | | |
| 1/2 | 1320 | 1853 | | 1684 | | 1465 | | 1175 | | | | | | | | | | | | | | | | | |
| | | 0.51 | 13.6 | 0.52 | 12.8 | 0.53 | 13.6 | 0.49 | 11.9 | | | | | | | | | | | | | | | | |
| 3/4 | 1415 | 2029 | | 1881 | | 1698 | | 1482 | | | | | | | | | | | | | | | | | |
| | | 0.62 | 15.9 | 0.64 | 14.4 | 0.65 | 14.8 | 0.65 | 14.5 | | | | | | | | | | | | | | | | |
| 3/4 | 1510 | 2201 | | 2067 | | 1914 | | 1723 | | 1512 | | | | | | | | | | | | | | | |
| | | 0.75 | 17.8 | 0.77 | 16.1 | 0.79 | 15.5 | 0.79 | 16.5 | 0.78 | 15.6 | | | | | | | | | | | | | | |
| 1 | 1585 | 2335 | | 2210 | | 2073 | | 1906 | | 1714 | | 1484 | | | | | | | | | | | | | |
| | | 0.86 | 19.6 | 0.88 | 17.9 | 0.90 | 16.9 | 0.92 | 17.5 | 0.92 | 17.6 | 0.88 | 15.6 | | | | | | | | | | | | |
| 1 | 1660 | 2468 | | 2350 | | 2224 | | 2078 | | 1902 | | 1715 | | 1444 | | | | | | | | | | | |
| | | 0.98 | 21 | 1.01 | 19.0 | 1.03 | 18.0 | 1.05 | 18.1 | 1.05 | 19.0 | 1.05 | 17.8 | 0.97 | 16.6 | | | | | | | | | | |
| 1 1/2 | 1780 | 2679 | | 2570 | | 2457 | | 2333 | | 2189 | | 2023 | | 1848 | | 1615 | | | | | | | | | |
| | | 1.20 | 24 | 1.23 | 22 | 1.26 | 20 | 1.28 | 19.4 | 1.29 | 20 | 1.30 | 21 | 1.29 | 19.9 | 1.23 | 18.4 | | | | | | | | |
| 1 1/2 | 1900 | 2887 | | 2787 | | 2682 | | 2573 | | 2453 | | 2313 | | 2155 | | 1992 | | 1794 | | | | | | | |
| | | 1.45 | 27 | 1.48 | 25 | 1.51 | 23 | 1.54 | 22 | 1.56 | 22 | 1.58 | 22 | 1.58 | 23 | 1.57 | 22 | 1.53 | 20 | | | | | | |
| 2 | 1995 | 3050 | | 2956 | | 2858 | | 2756 | | 2648 | | 2527 | | 2387 | | 2235 | | 2079 | | 1889 | | | | | |
| | | 1.67 | 29 | 1.71 | 27 | 1.74 | 26 | 1.77 | 24 | 1.79 | 23 | 1.81 | 23 | 1.83 | 25 | 1.83 | 25 | 1.82 | 24 | 1.77 | 22 | | | | |
| 2 | 2090 | 3213 | | 3123 | | 3031 | | 2935 | | 2835 | | 2728 | | 2607 | | 2469 | | 2324 | | 2175 | | 1995 | | 1721 | |
| | | 1.91 | 31 | 1.95 | 29 | 1.99 | 28 | 2.02 | 26 | 2.05 | 25 | 2.07 | 25 | 2.09 | 25 | 2.10 | 26 | 2.10 | 26 | 2.09 | 26 | 2.04 | 24 | 1.86 | 24 |

MAXIMUM MOTOR FRAME SIZE: 184T

NOTES:

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

SCBD | 165A

Outlet Area = 4.83 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | |
| 1/3 | 810 | 2636 | | 2420 | | 2167 | | 1919 | | 1441 | | | | | | | | | | | | | | | | |
| | | 0.27 | 10.1 | | 0.29 | 7.9 | | 0.30 | 8 | | 0.30 | 8.6 | | 0.27 | 8.2 | | | | | | | | | | | |
| 1/2 | 875 | 2876 | | 2690 | | 2450 | | 2238 | | 1965 | | 1403 | | | | | | | | | | | | | | |
| | | 0.34 | 11.5 | | 0.36 | 9.6 | | 0.37 | 8.6 | | 0.38 | 9.6 | | 0.37 | 9.6 | | 0.33 | 9.4 | | | | | | | | |
| 1/2 | 940 | 3114 | | 2948 | | 2737 | | 2522 | | 2324 | | 2029 | | | | | | | | | | | | | | |
| | | 0.42 | 13.1 | | 0.44 | 11.4 | | 0.45 | 9.7 | | 0.46 | 10.2 | | 0.47 | 11 | | 0.46 | 10.5 | | | | | | | | |
| 3/4 | 1000 | 3332 | | 3180 | | 2998 | | 2783 | | 2598 | | 2394 | | | | | | | | | | | | | | |
| | | 0.51 | 14.2 | | 0.52 | 13.1 | | 0.54 | 11.5 | | 0.55 | 10.8 | | 0.56 | 11.7 | | 0.56 | 11.9 | | | | | | | | |
| 3/4 | 1075 | 3602 | | 3464 | | 3308 | | 3115 | | 2924 | | 2756 | | 2269 | | | | | | | | | | | | |
| | | 0.63 | 16.1 | | 0.65 | 15.2 | | 0.66 | 13.4 | | 0.68 | 12.3 | | 0.69 | 12.3 | | 0.70 | 13.3 | | 0.68 | 12.7 | | | | | |
| 1 | 1145 | 3853 | | 3726 | | 3586 | | 3420 | | 3230 | | 3062 | | 2711 | | 2031 | | | | | | | | | | |
| | | 0.76 | 17.5 | | 0.77 | 17 | | 0.79 | 15.6 | | 0.81 | 14.1 | | 0.82 | 13.4 | | 0.83 | 14.1 | | 0.84 | 14.7 | | 0.77 | 13.8 | | |
| 1 | 1205 | 4067 | | 3948 | | 3819 | | 3672 | | 3496 | | 3322 | | 3016 | | 2559 | | | | | | | | | | |
| | | 0.88 | 18.6 | | 0.90 | 18.6 | | 0.92 | 17.1 | | 0.94 | 15.8 | | 0.95 | 14.5 | | 0.96 | 14.5 | | 0.98 | 15.9 | | 0.96 | 14.5 | | |
| 1 1/2 | 1260 | 4263 | | 4150 | | 4029 | | 3896 | | 3737 | | 3564 | | 3265 | | 2916 | | 2290 | | | | | | | | |
| | | 1.00 | 19.8 | | 1.02 | 19.7 | | 1.04 | 18.9 | | 1.06 | 17.3 | | 1.08 | 16 | | 1.10 | 15.3 | | 1.12 | 16.7 | | 1.12 | 16.4 | | 1.04 |
| 1 1/2 | 1355 | 4600 | | 4497 | | 4387 | | 4269 | | 4137 | | 3984 | | 3678 | | 3408 | | 3040 | | 2406 | | | | | | |
| | | 1.24 | 22 | | 1.27 | 22 | | 1.29 | 21 | | 1.31 | 20 | | 1.33 | 18.9 | | 1.35 | 17.9 | | 1.38 | 17.9 | | 1.40 | 19.2 | | 1.38 |
| 2 | 1445 | 4919 | | 4823 | | 4722 | | 4615 | | 4500 | | 4369 | | 4071 | | 3809 | | 3545 | | 3162 | | 2529 | | | | |
| | | 1.51 | 24 | | 1.53 | 24 | | 1.55 | 24 | | 1.58 | 23 | | 1.60 | 22 | | 1.62 | 20 | | 1.66 | 19.2 | | 1.68 | 20 | | 1.69 |
| 2 | 1520 | 5183 | | 5093 | | 4998 | | 4898 | | 4792 | | 4678 | | 4404 | | 4134 | | 3896 | | 3616 | | 3207 | | 2508 | | |
| | | 1.75 | 26 | | 1.77 | 26 | | 1.80 | 26 | | 1.82 | 25 | | 1.85 | 24 | | 1.87 | 23 | | 1.91 | 21 | | 1.94 | 21 | | 1.97 |
| 3 | 1590 | 5430 | | 5344 | | 5254 | | 5161 | | 5062 | | 4957 | | 4710 | | 4439 | | 4204 | | 3970 | | 3667 | | 3234 | | |
| | | 2.00 | 28 | | 2.03 | 28 | | 2.05 | 28 | | 2.08 | 27 | | 2.10 | 26 | | 2.13 | 25 | | 2.17 | 23 | | 2.21 | 22 | | 2.24 |
| 3 | 1705 | 5834 | | 5755 | | 5673 | | 5587 | | 5498 | | 5404 | | 5197 | | 4948 | | 4702 | | 4487 | | 4269 | | 3997 | | |
| | | 2.46 | 30 | | 2.49 | 30 | | 2.52 | 30 | | 2.55 | 30 | | 2.57 | 30 | | 2.60 | 29 | | 2.65 | 27 | | 2.70 | 25 | | 2.73 |
| 3 | 1780 | 6098 | | 6022 | | 5944 | | 5863 | | 5778 | | 5691 | | 5502 | | 5276 | | 5032 | | 4812 | | 4609 | | 4392 | | |
| | | 2.80 | 34 | | 2.83 | 34 | | 2.86 | 34 | | 2.89 | 34 | | 2.92 | 32 | | 2.94 | 32 | | 3.00 | 29 | | 3.05 | 27 | | 3.09 |

MAXIMUM MOTOR FRAME SIZE: 145T

SCBD | 165AHP

Outlet Area = 4.83 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | | 3.25 | | 3.50 | | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | |
| 1/2 | 1000 | 1620 | | 1053 | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.37 | 9.2 | | 0.33 | 8.2 | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 1130 | 2070 | | 1776 | | 1294 | | | | | | | | | | | | | | | | | | | | |
| | | 0.53 | 10.6 | | 0.53 | 10.6 | | 0.49 | 9.7 | | | | | | | | | | | | | | | | | |
| 3/4 | 1210 | 2322 | | 2071 | | 1764 | | | | | | | | | | | | | | | | | | | | |
| | | 0.65 | 11.3 | | 0.65 | 12.1 | | 0.65 | 10.5 | | | | | | | | | | | | | | | | | |
| 1 | 1290 | 2564 | | 2342 | | 2088 | | 1758 | | | | | | | | | | | | | | | | | | |
| | | 0.78 | 12.3 | | 0.79 | 12.8 | | 0.79 | 12.7 | | 0.78 | 11.5 | | | | | | | | | | | | | | |
| 1 | 1350 | 2741 | | 2535 | | 2306 | | 2039 | | 1631 | | | | | | | | | | | | | | | | |
| | | 0.88 | 13.3 | | 0.90 | 13.0 | | 0.91 | 13.9 | | 0.91 | 12.9 | | 0.86 | 12.4 | | | | | | | | | | | |
| 1 1/2 | 1415 | 2928 | | 2736 | | 2529 | | 2294 | | 2009 | | 1498 | | | | | | | | | | | | | | |
| | | 1.01 | 14.4 | | 1.03 | 13.8 | | 1.04 | 14.2 | | 1.05 | 14.5 | | 1.04 | 13.0 | | 0.93 | 13.0 | | | | | | | | |
| 2 | 1520 | 3222 | | 3051 | | 2867 | | 2669 | | 2446 | | 2182 | | 1769 | | | | | | | | | | | | |
| | | 1.24 | 16.7 | | 1.27 | 15.2 | | 1.29 | 15.2 | | 1.30 | 16.1 | | 1.30 | 15.7 | | 1.29 | 14.5 | | 1.21 | 14.6 | | | | | |
| 2 | 1620 | 3495 | | 3341 | | 3175 | | 2998 | | 2808 | | 2597 | | 2351 | | 1995 | | | | | | | | | | |
| | | 1.48 | 18.9 | | 1.52 | 17.0 | | 1.54 | 16.2 | | 1.56 | 16.8 | | 1.57 | 17.2 | | 1.57 | 17.2 | | 1.56 | 15.7 | | 1.49 | 15.7 | | |
| 3 | 1700 | 3710 | | 3567 | | 3413 | | 3250 | | 3077 | | 2890 | | 2684 | | 2443 | | 2099 | | | | | | | | |
| | | 1.69 | 20 | | 1.74 | 18.9 | | 1.77 | 17.9 | | 1.79 | 17.4 | | 1.81 | 18.0 | | 1.81 | 18.6 | | 1.82 | 18.2 | | 1.8 | 16.7 | | 1.72 |
| 3 | 1785 | 3936 | | 3803 | | 3660 | | 3509 | | 3350 | | 3182 | | 3000 | | 2802 | | 2572 | | 2254 | | | | | | |
| | | 1.94 | 23 | | 1.99 | 21 | | 2.03 | 19.3 | | 2.06 | 18.9 | | 2.09 | 18.9 | | 2.10 | 19.3 | | 2.10 | 19.6 | | 2.10 | 19.0 | | 2.09 |
| 3 | 1920 | 4289 | | 4169 | | 4042 | | 3907 | | 3766 | | 3618 | | 3464 | | 3299 | | 3121 | | 2928 | | 2697 | | 2382 | | |
| | | 2.39 | 26 | | 2.45 | 24 | | 2.50 | 23 | | 2.54 | 21 | | 2.57 | 20 | | 2.59 | 20 | | 2.61 | 21 | | 2.61 | 22 | | 2.62 |
| 3 | 2040 | 4600 | | 4489 | | 4373 | | 4250 | | 4122 | | 3988 | | 3849 | | 3704 | | 3551 | | 3388 | | 3214 | | 3020 | | |
| | | 2.84 | 28 | | 2.91 | 27 | | 2.97 | 25 | | 3.01 | 24 | | 3.05 | 23 | | 3.08 | 22 | | 3.11 | 22 | | 3.13 | 23 | | 3.13 |

MAXIMUM MOTOR FRAME SIZE: 145T

NOTES:

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

Belt Driven

SCBD | 180A

Outlet Area = 5.82 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|------|-----|------|-----|------|-----|------|-----|------|-----|--|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | |
| 1/3 | 675 | 2849 | 2536 | 2228 | 1733 | | | | | | | | | | | | | | | | | | | |
| | 730 | 0.25 8.4 | 0.27 6.6 | 0.27 7.4 | 0.26 7.3 | | | | | | | | | | | | | | | | | | | |
| 1/2 | 785 | 3121 | 2854 | 2550 | 2237 | 1565 | | | | | | | | | | | | | | | | | | |
| | 840 | 0.32 10 | 0.33 7.9 | 0.34 8 | 0.34 8.6 | 0.30 8.2 | | | | | | | | | | | | | | | | | | |
| 3/4 | 900 | 3389 | 3159 | 2864 | 2607 | 2243 | | | | | | | | | | | | | | | | | | |
| | 960 | 0.39 11.4 | 0.41 9.5 | 0.42 8.6 | 0.43 9.5 | 0.42 9.5 | | | | | | | | | | | | | | | | | | |
| 1 | 1010 | 3654 | 3449 | 3184 | 2928 | 2673 | 2267 | | | | | | | | | | | | | | | | | |
| | 1055 | 0.48 13 | 0.50 11.2 | 0.51 9.6 | 0.52 10.2 | 0.53 10.9 | 0.51 10.6 | | | | | | | | | | | | | | | | | |
| 1 1/2 | 1135 | 3941 | 3756 | 3529 | 3270 | 3048 | 2784 | | | | | | | | | | | | | | | | | |
| | 1210 | 0.59 14.6 | 0.60 13.1 | 0.62 11.3 | 0.64 10.9 | 0.64 11.7 | 0.64 12 | | | | | | | | | | | | | | | | | |
| 2 | 1275 | 4227 | 4056 | 3861 | 3619 | 3393 | 3184 | 2512 | | | | | | | | | | | | | | | | |
| | 1330 | 0.71 16.1 | 0.73 15.1 | 0.75 13.3 | 0.76 12.2 | 0.78 12.4 | 0.78 13.4 | 0.75 13.2 | | | | | | | | | | | | | | | | |
| 3 | 1430 | 4463 | 4304 | 4126 | 3909 | 3678 | 3479 | 2985 | | | | | | | | | | | | | | | | |
| | 1525 | 0.82 17.2 | 0.84 16.5 | 0.86 14.7 | 0.88 13.3 | 0.90 13.2 | 0.91 14.2 | 0.90 14.3 | | | | | | | | | | | | | | | | |
| 3 1/2 | 1525 | 4675 | 4525 | 4359 | 4164 | 3939 | 3736 | 3329 | 2586 | | | | | | | | | | | | | | | |
| | 1525 | 0.93 18.3 | 0.96 17.8 | 0.98 16.4 | 1.00 14.8 | 1.02 14.1 | 1.03 14.3 | 1.04 15.4 | 0.97 14.7 | | | | | | | | | | | | | | | |
| 4 | 1525 | 5051 | 4913 | 4764 | 4600 | 4403 | 4194 | 3835 | 3385 | 2510 | | | | | | | | | | | | | | |
| | 1525 | 1.16 20 | 1.18 19.9 | 1.21 18.9 | 1.23 17.3 | 1.25 15.9 | 1.27 15.8 | 1.29 17 | 1.29 17.1 | 1.16 16 | | | | | | | | | | | | | | |
| 4 1/2 | 1525 | 5401 | 5274 | 5138 | 4991 | 4824 | 4631 | 4267 | 3927 | 3418 | | | | | | | | | | | | | | |
| | 1525 | 1.40 22 | 1.43 22 | 1.45 21 | 1.48 20 | 1.50 18.4 | 1.52 17.4 | 1.55 18.1 | 1.57 19.1 | 1.54 17.5 | | | | | | | | | | | | | | |
| 5 | 1525 | 5704 | 5585 | 5458 | 5322 | 5175 | 5004 | 4638 | 4323 | 3954 | 3378 | | | | | | | | | | | | | |
| | 1525 | 1.64 24 | 1.66 24 | 1.69 24 | 1.72 22 | 1.74 21 | 1.77 19.5 | 1.81 18.9 | 1.83 20 | 1.83 21 | 1.76 18.3 | | | | | | | | | | | | | |
| 5 1/2 | 1525 | 5960 | 5846 | 5726 | 5599 | 5463 | 5310 | 4956 | 4640 | 4331 | 3897 | 3210 | | | | | | | | | | | | |
| | 1525 | 1.85 25 | 1.88 25 | 1.91 25 | 1.94 24 | 1.97 23 | 1.99 21 | 2.04 19.6 | 2.07 21 | 2.09 22 | 2.06 21 | 1.94 19.5 | | | | | | | | | | | | |
| 6 | 1525 | 6424 | 6319 | 6210 | 6095 | 5973 | 5844 | 5537 | 5211 | 4929 | 4636 | 4235 | 3654 | | | | | | | | | | | |
| | 1525 | 2.30 28 | 2.33 28 | 2.36 28 | 2.39 27 | 2.42 26 | 2.45 25 | 2.50 23 | 2.55 22 | 2.58 24 | 2.60 24 | 2.57 23 | 2.46 21 | | | | | | | | | | | |
| 6 1/2 | 1525 | 6864 | 6767 | 6665 | 6560 | 6449 | 6333 | 6072 | 5763 | 5471 | 5211 | 4932 | 4560 | | | | | | | | | | | |
| | 1525 | 2.79 30 | 2.82 30 | 2.85 30 | 2.88 30 | 2.92 29 | 2.95 29 | 3.01 26 | 3.06 25 | 3.10 25 | 3.13 26 | 3.15 27 | 3.12 25 | | | | | | | | | | | |

MAXIMUM MOTOR FRAME SIZE: 184T

SCBD | 180AHP

Outlet Area = 5.82 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----|------|-----|------|-----|------|-----|------|-----|------|--|
| | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | | 3.25 | | 3.50 | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | |
| 1/2 | 875 | 1753 | | | | | | | | | | | | | | | | | | | | | | | |
| | 970 | 0.39 8.3 | | | | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 1040 | 2218 | 1785 | | | | | | | | | | | | | | | | | | | | | | |
| | 1105 | 0.53 10.4 | 0.53 9.4 | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1160 | 2524 | 2179 | 1645 | | | | | | | | | | | | | | | | | | | | | |
| | 1215 | 0.65 11.2 | 0.66 11.3 | 0.62 10.5 | | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 1300 | 2793 | 2492 | 2124 | | | | | | | | | | | | | | | | | | | | | |
| | 1390 | 0.78 11.8 | 0.79 12.6 | 0.78 11.0 | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1460 | 3013 | 2739 | 2422 | 1982 | | | | | | | | | | | | | | | | | | | | |
| | 1530 | 0.89 12.7 | 0.91 13.4 | 0.91 13.0 | 0.88 11.9 | | | | | | | | | | | | | | | | | | | | |
| 3 | 1640 | 3227 | 2974 | 2691 | 2354 | 1778 | | | | | | | | | | | | | | | | | | | |
| | 1750 | 1.02 13.6 | 1.04 13.6 | 1.05 14.4 | 1.04 12.7 | 0.96 12.7 | | | | | | | | | | | | | | | | | | | |
| 3 1/2 | 1840 | 3549 | 3322 | 3075 | 2799 | 2468 | 1915 | | | | | | | | | | | | | | | | | | |
| | 1930 | 1.24 15.4 | 1.26 14.7 | 1.28 15.5 | 1.28 15.7 | 1.28 13.8 | 1.17 13.8 | | | | | | | | | | | | | | | | | | |
| 4 | 2040 | 3881 | 3676 | 3456 | 3219 | 2954 | 2640 | 2155 | | | | | | | | | | | | | | | | | |
| | 2130 | 1.49 17.4 | 1.53 16.1 | 1.55 16.0 | 1.57 17.0 | 1.57 16.8 | 1.56 15.4 | 1.46 15.4 | | | | | | | | | | | | | | | | | |
| 4 1/2 | 2240 | 4133 | 3944 | 3740 | 3524 | 3288 | 3027 | 2710 | 2217 | | | | | | | | | | | | | | | | |
| | 2330 | 1.71 19.1 | 1.76 17.8 | 1.79 17.0 | 1.81 17.2 | 1.82 18.1 | 1.82 17.5 | 1.80 16.4 | 1.68 16.4 | | | | | | | | | | | | | | | | |
| 5 | 2440 | 4381 | 4206 | 4016 | 3816 | 3603 | 3371 | 3114 | 2797 | 2311 | | | | | | | | | | | | | | | |
| | 2530 | 1.96 21 | 2.01 19.1 | 2.04 18.2 | 2.07 18.0 | 2.09 19.1 | 2.09 19.4 | 2.09 18.3 | 2.06 17.6 | 1.93 17.5 | | | | | | | | | | | | | | | |
| 5 1/2 | 2640 | 4766 | 4608 | 4438 | 4258 | 4070 | 3871 | 3657 | 3423 | 3157 | 2800 | 2202 | | | | | | | | | | | | | |
| | 2730 | 2.38 24 | 2.44 22 | 2.49 21 | 2.53 20 | 2.55 19.8 | 2.57 20 | 2.58 21 | 2.58 20 | 2.57 18.9 | 2.49 18.9 | 2.26 18.9 | | | | | | | | | | | | | |
| 6 | 2840 | 5145 | 5000 | 4847 | 4685 | 4515 | 4338 | 4152 | 3953 | 3740 | 3507 | 3226 | 2843 | | | | | | | | | | | | |
| | 2930 | 2.86 26 | 2.93 24 | 2.99 23 | 3.04 22 | 3.08 21 | 3.10 21 | 3.12 23 | 3.13 23 | 3.13 23 | 3.13 22 | 3.13 21 | 3.09 21 | 2.97 21 | | | | | | | | | | | |

MAXIMUM MOTOR FRAME SIZE: 184T

NOTES:

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

SCBD | 210A

Outlet Area = 7.18 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1/3 | 550 | 3133 | 2689 | 2192 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.24 | 6.8 | 0.25 | 6 | 0.25 | 6.4 | | | | | | | | | | | | | | | | | | |
| 1/2 | 610 | 3549 | 3165 | 2785 | 2195 | | | | | | | | | | | | | | | | | | | | |
| | | 0.32 | 8.6 | 0.33 | 6.9 | 0.34 | 7.7 | 0.33 | 7.4 | | | | | | | | | | | | | | | | |
| 1/2 | 660 | 3889 | 3563 | 3187 | 2808 | 2042 | | | | | | | | | | | | | | | | | | | |
| | | 0.40 | 10.2 | 0.42 | 8.3 | 0.43 | 8.3 | 0.43 | 9 | 0.39 | 8.6 | | | | | | | | | | | | | | |
| 1/2 | 700 | 4157 | 3868 | 3500 | 3179 | 2704 | | | | | | | | | | | | | | | | | | | |
| | | 0.47 | 11.5 | 0.49 | 9.5 | 0.51 | 8.8 | 0.52 | 9.6 | 0.51 | 9.7 | | | | | | | | | | | | | | |
| 3/4 | 755 | 4523 | 4268 | 3940 | 3624 | 3308 | 2804 | | | | | | | | | | | | | | | | | | |
| | | 0.59 | 13.4 | 0.61 | 11.4 | 0.63 | 10 | 0.65 | 10.4 | 0.65 | 11 | 0.63 | 11.1 | | | | | | | | | | | | |
| 3/4 | 805 | 4852 | 4621 | 4337 | 4016 | 3740 | 3405 | | | | | | | | | | | | | | | | | | |
| | | 0.71 | 15.1 | 0.74 | 13.4 | 0.76 | 11.4 | 0.78 | 10.9 | 0.79 | 12.1 | 0.79 | 12.4 | | | | | | | | | | | | |
| 1 | 845 | 5114 | 4898 | 4645 | 4335 | 4058 | 3787 | 2802 | | | | | | | | | | | | | | | | | |
| | | 0.82 | 16.3 | 0.85 | 15 | 0.87 | 13 | 0.89 | 12 | 0.90 | 12.5 | 0.91 | 13.3 | 0.85 | 13.2 | | | | | | | | | | |
| 1 | 885 | 5375 | 5172 | 4942 | 4656 | 4372 | 4122 | 3415 | | | | | | | | | | | | | | | | | |
| | | 0.94 | 17.4 | 0.97 | 16.2 | 0.99 | 14.5 | 1.02 | 13 | 1.03 | 13.2 | 1.04 | 14.1 | 1.02 | 14.3 | | | | | | | | | | |
| 1 1/2 | 950 | 5797 | 5612 | 5407 | 5167 | 4888 | 4637 | 4137 | 3231 | | | | | | | | | | | | | | | | |
| | | 1.16 | 19.2 | 1.19 | 18.6 | 1.22 | 16.9 | 1.24 | 15.5 | 1.26 | 14.3 | 1.28 | 14.9 | 1.30 | 16 | 1.21 | 16.1 | | | | | | | | |
| 1 1/2 | 1010 | 6185 | 6013 | 5826 | 5619 | 5369 | 5109 | 4663 | 4072 | | | | | | | | | | | | | | | | |
| | | 1.39 | 21 | 1.42 | 21 | 1.45 | 19.4 | 1.48 | 17.7 | 1.51 | 16 | 1.53 | 16 | 1.55 | 17.3 | 1.54 | 17.3 | | | | | | | | |
| 2 | 1065 | 6540 | 6378 | 6205 | 6017 | 5799 | 5551 | 5103 | 4652 | 3927 | | | | | | | | | | | | | | | |
| | | 1.63 | 22 | 1.66 | 22 | 1.69 | 21 | 1.72 | 19.9 | 1.75 | 18.1 | 1.78 | 17.1 | 1.81 | 18.2 | 1.83 | 19.2 | 1.76 | 18.2 | | | | | | |
| 2 | 1115 | 6861 | 6708 | 6545 | 6371 | 6177 | 5950 | 5495 | 5096 | 4560 | 3650 | | | | | | | | | | | | | | |
| | | 1.87 | 24 | 1.90 | 24 | 1.93 | 24 | 1.96 | 22 | 1.99 | 20 | 2.02 | 19.1 | 2.07 | 19.1 | 2.09 | 20 | 2.07 | 20 | 1.93 | 19.3 | | | | |
| 3 | 1200 | 7406 | 7265 | 7118 | 6961 | 6793 | 6606 | 6170 | 5779 | 5400 | 4875 | 4057 | | | | | | | | | | | | | |
| | | 2.32 | 26 | 2.36 | 26 | 2.39 | 26 | 2.43 | 25 | 2.46 | 24 | 2.49 | 22 | 2.55 | 21 | 2.59 | 22 | 2.61 | 23 | 2.58 | 22 | 2.44 | 21 | | |
| 3 | 1275 | 7885 | 7754 | 7617 | 7473 | 7321 | 7159 | 6771 | 6367 | 6018 | 5644 | 5120 | 4343 | | | | | | | | | | | | |
| | | 2.78 | 29 | 2.82 | 29 | 2.86 | 29 | 2.89 | 28 | 2.93 | 27 | 2.96 | 26 | 3.03 | 23 | 3.08 | 23 | 3.12 | 24 | 3.13 | 25 | 3.09 | 24 | 2.94 | 23 |

MAXIMUM MOTOR FRAME SIZE: 184T

SCBD | 210AHP

Outlet Area = 7.18 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.25 | | 0.50 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1/2 | 700 | 2665 | 2166 | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.33 | 7.3 | 0.34 | 7.4 | | | | | | | | | | | | | | | | | | | | |
| 1/2 | 810 | 3208 | 2816 | 2338 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.49 | 10.0 | 0.52 | 8.8 | 0.53 | 9.3 | | | | | | | | | | | | | | | | | | |
| 3/4 | 865 | 3471 | 3118 | 2702 | 2144 | | | | | | | | | | | | | | | | | | | | |
| | | 0.59 | 11.3 | 0.63 | 10.0 | 0.64 | 10.6 | 0.63 | 9.5 | | | | | | | | | | | | | | | | |
| 3/4 | 925 | 3755 | 3435 | 3066 | 2628 | 1894 | | | | | | | | | | | | | | | | | | | |
| | | 0.72 | 12.9 | 0.76 | 11.7 | 0.78 | 11.7 | 0.79 | 11.6 | 0.72 | 10.6 | | | | | | | | | | | | | | |
| 1 | 970 | 3966 | 3668 | 3325 | 2934 | 2424 | | | | | | | | | | | | | | | | | | | |
| | | 0.82 | 14.0 | 0.87 | 12.6 | 0.90 | 12.2 | 0.91 | 13.0 | 0.89 | 11.5 | | | | | | | | | | | | | | |
| 1 | 1015 | 4175 | 3895 | 3576 | 3221 | 2798 | 2102 | | | | | | | | | | | | | | | | | | |
| | | 0.93 | 14.9 | 0.99 | 13.9 | 1.02 | 13.0 | 1.04 | 13.8 | 1.04 | 12.6 | 0.96 | 12.2 | | | | | | | | | | | | |
| 1 1/2 | 1090 | 4521 | 4267 | 3982 | 3668 | 3316 | 2895 | 2164 | | | | | | | | | | | | | | | | | |
| | | 1.15 | 16.7 | 1.21 | 15.8 | 1.26 | 14.3 | 1.28 | 14.3 | 1.29 | 15.1 | 1.28 | 13.2 | 1.17 | 13.2 | | | | | | | | | | |
| 1 1/2 | 1165 | 4864 | 4630 | 4374 | 4091 | 3785 | 3440 | 3024 | 2309 | | | | | | | | | | | | | | | | |
| | | 1.39 | 18.3 | 1.46 | 17.4 | 1.52 | 16.3 | 1.55 | 15.5 | 1.57 | 16.3 | 1.58 | 16.4 | 1.56 | 14.8 | 1.42 | 14.4 | | | | | | | | |
| 2 | 1220 | 5115 | 4894 | 4654 | 4391 | 4109 | 3800 | 3450 | 2999 | | | | | | | | | | | | | | | | |
| | | 1.59 | 19.4 | 1.66 | 18.8 | 1.73 | 17.6 | 1.77 | 16.6 | 1.80 | 16.7 | 1.81 | 17.5 | 1.81 | 16.7 | 1.77 | 15.5 | | | | | | | | |
| 2 | 1280 | 5387 | 5178 | 4955 | 4711 | 4449 | 4169 | 3860 | 3510 | 3037 | | | | | | | | | | | | | | | |
| | | 1.82 | 21 | 1.91 | 21 | 1.98 | 19.0 | 2.03 | 17.9 | 2.06 | 17.6 | 2.08 | 18.5 | 2.09 | 18.7 | 2.09 | 17.2 | 2.02 | 16.6 | | | | | | |
| 3 | 1370 | 5793 | 5600 | 5396 | 5178 | 4942 | 4693 | 4428 | 4137 | 3815 | 3412 | 2776 | | | | | | | | | | | | | |
| | | 2.22 | 23 | 2.31 | 23 | 2.39 | 22 | 2.46 | 20 | 2.50 | 19.1 | 2.54 | 19.1 | 2.55 | 20 | 2.56 | 20 | 2.56 | 19.1 | 2.52 | 18.4 | 2.34 | 18.4 | | |
| 3 | 1465 | 6220 | 6041 | 5854 | 5656 | 5445 | 5220 | 4985 | 4736 | 4466 | 4172 | 3830 | 3361 | | | | | | | | | | | | |
| | | 2.70 | 25 | 2.80 | 25 | 2.89 | 24 | 2.97 | 23 | 3.03 | 21 | 3.07 | 21 | 3.11 | 21 | 3.12 | 22 | 3.13 | 22 | 3.13 | 21 | 3.11 | 19.8 | 3 | 19.9 |

MAXIMUM MOTOR FRAME SIZE: 184T

NOTES:

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

Belt Driven

SCBD | 225A

Outlet Area = 8.03 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|------|-----|------|-----|------|-----|------|-----|------|-----|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM |
| 1/3 | 450 | 3358 | 2784 | | | | | | | | | | | | | | | | | | | | |
| | | 0.21 5.5 | 0.22 5.7 | | | | | | | | | | | | | | | | | | | | |
| 1/2 | 520 | 4017 | 3578 | 3008 | | | | | | | | | | | | | | | | | | | |
| | | 0.32 7.5 | 0.34 7.0 | 0.35 7.5 | | | | | | | | | | | | | | | | | | | |
| 3/4 | 560 | 4384 | 3994 | 3518 | 2870 | | | | | | | | | | | | | | | | | | |
| | | 0.40 8.7 | 0.42 8.1 | 0.43 8.7 | 0.42 7.5 | | | | | | | | | | | | | | | | | | |
| 1 | 600 | 4746 | 4395 | 3981 | 3467 | 2620 | | | | | | | | | | | | | | | | | |
| | | 0.48 9.9 | 0.51 8.9 | 0.53 9.3 | 0.53 9.5 | 0.49 8.0 | | | | | | | | | | | | | | | | | |
| 1 1/2 | 640 | 5105 | 4783 | 4416 | 3982 | 3436 | | | | | | | | | | | | | | | | | |
| | | 0.58 11.1 | 0.61 10.1 | 0.63 9.9 | 0.65 10.7 | 0.63 9.7 | | | | | | | | | | | | | | | | | |
| 2 | 685 | 5505 | 5211 | 4883 | 4509 | 4065 | 3500 | | | | | | | | | | | | | | | | |
| | | 0.71 12.1 | 0.74 11.5 | 0.77 10.9 | 0.79 11.6 | 0.79 11.6 | 0.77 10.3 | | | | | | | | | | | | | | | | |
| 3 | 720 | 5814 | 5538 | 5235 | 4896 | 4506 | 4041 | | | | | | | | | | | | | | | | |
| | | 0.82 13.1 | 0.85 12.8 | 0.89 11.8 | 0.91 11.9 | 0.92 12.6 | 0.91 12.5 | | | | | | | | | | | | | | | | |
| 4 | 750 | 6078 | 5816 | 5531 | 5215 | 4861 | 4448 | | | | | | | | | | | | | | | | |
| | | 0.92 14.1 | 0.96 13.9 | 0.99 12.6 | 1.02 12.6 | 1.04 13.3 | 1.04 13.5 | | | | | | | | | | | | | | | | |
| 5 | 810 | 6603 | 6364 | 6109 | 5831 | 5528 | 5190 | 4353 | | | | | | | | | | | | | | | |
| | | 1.15 15.6 | 1.19 15.6 | 1.23 14.3 | 1.27 13.6 | 1.29 13.8 | 1.31 14.6 | 1.29 13.9 | | | | | | | | | | | | | | | |
| 6 | 865 | 7081 | 6861 | 6626 | 6376 | 6106 | 5813 | 5123 | 4138 | | | | | | | | | | | | | | |
| | | 1.39 16.8 | 1.44 16.8 | 1.49 15.9 | 1.52 14.7 | 1.56 14.7 | 1.58 15.3 | 1.59 15.9 | 1.52 13.6 | | | | | | | | | | | | | | |
| 7 | 910 | 7472 | 7263 | 7044 | 6812 | 6564 | 6297 | 5691 | 4933 | | | | | | | | | | | | | | |
| | | 1.61 17.9 | 1.67 17.9 | 1.72 17.2 | 1.76 15.8 | 1.79 15.5 | 1.82 15.5 | 1.86 16.9 | 1.83 15.9 | | | | | | | | | | | | | | |
| 8 | 950 | 7817 | 7619 | 7411 | 7193 | 6961 | 6714 | 6163 | 5500 | 4586 | | | | | | | | | | | | | |
| | | 1.83 18.4 | 1.89 18.4 | 1.94 18.3 | 1.99 16.9 | 2.03 16.5 | 2.06 16.0 | 2.10 17.4 | 2.10 17.7 | 2.01 15.6 | | | | | | | | | | | | | |
| 9 | 1025 | 8464 | 8282 | 8093 | 7895 | 7689 | 7471 | 6996 | 6454 | 5810 | 4930 | | | | | | | | | | | | |
| | | 2.29 19.9 | 2.35 19.9 | 2.41 19.9 | 2.46 19.0 | 2.51 18.4 | 2.55 17.8 | 2.62 17.9 | 2.65 19.5 | 2.64 19.1 | 2.53 17.1 | | | | | | | | | | | | |
| 10 | 1085 | 8980 | 8809 | 8632 | 8448 | 8258 | 8058 | 7629 | 7152 | 6604 | 5960 | 5019 | | | | | | | | | | | |
| | | 2.71 21 | 2.77 21 | 2.84 21 | 2.89 21 | 2.95 20 | 3.00 19.4 | 3.07 18.8 | 3.13 20 | 3.15 21 | 3.11 20 | 2.96 18.3 | | | | | | | | | | | |
| 12 | 1185 | 9837 | 9682 | 9522 | 9358 | 9188 | 9012 | 8641 | 8237 | 7794 | 7297 | 6036 | | | | | | | | | | | |
| | | 3.51 23 | 3.59 23 | 3.66 23 | 3.72 23 | 3.78 23 | 3.84 22 | 3.94 21 | 4.02 20 | 4.07 22 | 4.10 23 | 4.07 23 | 3.97 21 | | | | | | | | | | |
| 15 | 1285 | 10692 | 10550 | 10404 | 10255 | 10101 | 9944 | 9615 | 9263 | 8885 | 8476 | 8024 | 7519 | | | | | | | | | | |
| | | 4.47 26 | 4.55 26 | 4.62 26 | 4.70 26 | 4.77 26 | 4.83 25 | 4.95 24 | 5.05 23 | 5.13 23 | 5.19 24 | 5.22 25 | 5.21 25 | | | | | | | | | | |

MAXIMUM MOTOR FRAME SIZE: 215T

SCBD | 225AHP

Outlet Area = 8.03 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|------|-----|------|-----|------|-----|------|-----|------|-----|
| | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.75 | | 3.00 | | 3.25 | | 3.50 | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM |
| 3/4 | 725 | 2733 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.62 9.1 | | | | | | | | | | | | | | | | | | | | | |
| 1 | 785 | 3288 | 2568 | | | | | | | | | | | | | | | | | | | | |
| | | 0.79 10.8 | 0.76 9.7 | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 820 | 3625 | 2986 | | | | | | | | | | | | | | | | | | | | |
| | | 0.91 11.5 | 0.89 10.9 | | | | | | | | | | | | | | | | | | | | |
| 2 | 860 | 3982 | 3369 | 2599 | | | | | | | | | | | | | | | | | | | |
| | | 1.04 11.8 | 1.04 11.8 | 0.98 11.1 | | | | | | | | | | | | | | | | | | | |
| 3 | 920 | 4451 | 3927 | 3372 | 2337 | | | | | | | | | | | | | | | | | | |
| | | 1.26 12.6 | 1.28 13.4 | 1.26 12.9 | 1.12 12.1 | | | | | | | | | | | | | | | | | | |
| 4 | 985 | 4919 | 4530 | 3981 | 3446 | 2228 | | | | | | | | | | | | | | | | | |
| | | 1.52 14.0 | 1.56 14.3 | 1.57 14.8 | 1.53 13.7 | 1.30 12.9 | | | | | | | | | | | | | | | | | |
| 5 | 1035 | 5266 | 4933 | 4453 | 3956 | 3349 | | | | | | | | | | | | | | | | | |
| | | 1.75 15.0 | 1.80 15.0 | 1.82 16.0 | 1.81 15.6 | 1.74 14.5 | | | | | | | | | | | | | | | | | |
| 6 | 1085 | 5606 | 5306 | 4923 | 4416 | 3953 | 3238 | | | | | | | | | | | | | | | | |
| | | 1.99 15.9 | 2.05 15.8 | 2.09 17.0 | 2.06 16.3 | 1.95 15.4 | | | | | | | | | | | | | | | | | |
| 7 | 1160 | 6108 | 5838 | 5537 | 5130 | 4660 | 4227 | 3590 | | | | | | | | | | | | | | | |
| | | 2.40 17.9 | 2.47 17.5 | 2.53 17.5 | 2.56 18.6 | 2.56 18.6 | 2.52 17.6 | 2.42 16.9 | | | | | | | | | | | | | | | |
| 8 | 1240 | 6635 | 6387 | 6126 | 5826 | 5417 | 4981 | 4580 | 4044 | 2974 | | | | | | | | | | | | | |
| | | 2.91 19.9 | 2.98 19.5 | 3.05 18.8 | 3.11 19.7 | 3.13 20 | 3.12 20 | 3.09 19.6 | 3.00 18.6 | 2.67 18.0 | | | | | | | | | | | | | |
| 9 | 1355 | 7378 | 7156 | 6927 | 6687 | 6417 | 6069 | 5651 | 5282 | 4902 | 4383 | 3466 | | | | | | | | | | | |
| | | 3.75 24 | 3.83 22 | 3.90 22 | 3.98 22 | 4.05 22 | 4.08 24 | 4.08 24 | 4.06 23 | 4.02 22 | 3.91 21 | 3.58 21 | | | | | | | | | | | |
| 10 | 1470 | 8110 | 7910 | 7702 | 7490 | 7268 | 7025 | 6731 | 6358 | 5987 | 5654 | 5297 | 4825 | | | | | | | | | | |
| | | 4.74 27 | 4.82 26 | 4.91 26 | 5.00 25 | 5.08 25 | 5.15 25 | 5.20 26 | 5.22 27 | 5.13 27 | 5.18 26 | 5.12 25 | 5.01 24 | | | | | | | | | | |

MAXIMUM MOTOR FRAME SIZE: 215T

NOTES:

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

SCBD | 245A

Outlet Area = 9.77 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|--|--|--|--|--|--|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | | | | | | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | | | | | | |
| 1/2 | 475 | 4748 | | 4292 | | 3692 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.41 | 8.3 | 0.44 | 7.3 | 0.44 | 7.6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/2 | 505 | 5097 | | 4686 | | 4171 | | 3523 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.49 | 9.4 | 0.52 | 8.0 | 0.53 | 8.6 | 0.52 | 7.8 | | | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 540 | 5500 | | 5129 | | 4684 | | 4122 | | 3387 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.59 | 10.3 | 0.63 | 9.4 | 0.65 | 9.1 | 0.65 | 9.4 | 0.61 | 7.7 | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 575 | 5900 | | 5561 | | 5166 | | 4690 | | 4122 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.70 | 11.5 | 0.75 | 10.6 | 0.77 | 9.8 | 0.79 | 10.5 | 0.78 | 9.9 | | | | | | | | | | | | | | | | | | | | |
| 1 | 600 | 6183 | | 5864 | | 5498 | | 5070 | | 4545 | | 3946 | | | | | | | | | | | | | | | | | | | |
| | | 0.79 | 12.3 | 0.84 | 11.4 | 0.87 | 10.5 | 0.89 | 11.1 | 0.89 | 11.4 | 0.86 | 9.6 | | | | | | | | | | | | | | | | | | |
| 1 | 630 | 6522 | | 6222 | | 5886 | | 5499 | | 5040 | | 4517 | | | | | | | | | | | | | | | | | | | |
| | | 0.91 | 13.3 | 0.97 | 12.7 | 1.00 | 11.8 | 1.02 | 11.5 | 1.03 | 12.3 | 1.02 | 11.7 | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 675 | 7027 | | 6752 | | 6452 | | 6113 | | 5729 | | 5275 | | | | | | | | | | | | | | | | | | | |
| | | 1.12 | 14.4 | 1.17 | 13.9 | 1.22 | 12.9 | 1.25 | 12.2 | 1.27 | 13.0 | 1.27 | 13.3 | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 725 | 7585 | | 7334 | | 7063 | | 6765 | | 6434 | | 6062 | | 5173 | | | | | | | | | | | | | | | | | |
| | | 1.37 | 15.8 | 1.44 | 15.8 | 1.49 | 14.4 | 1.53 | 13.8 | 1.55 | 13.8 | 1.57 | 14.7 | 1.56 | 14.1 | | | | | | | | | | | | | | | | |
| 2 | 760 | 7974 | | 7736 | | 7483 | | 7208 | | 6906 | | 6572 | | 5767 | | 4638 | | | | | | | | | | | | | | | |
| | | 1.57 | 16.6 | 1.64 | 16.2 | 1.70 | 15.6 | 1.75 | 14.7 | 1.78 | 14.5 | 1.80 | 14.9 | 1.81 | 15.9 | 1.67 | 13.6 | | | | | | | | | | | | | | |
| 2 | 795 | 8362 | | 8136 | | 7898 | | 7642 | | 7364 | | 7059 | | 6345 | | 5506 | | | | | | | | | | | | | | | |
| | | 1.79 | 17.1 | 1.87 | 17.1 | 1.93 | 16.9 | 1.98 | 16.3 | 2.02 | 15.5 | 2.05 | 15.6 | 2.08 | 16.8 | 2.04 | 16.0 | | | | | | | | | | | | | | |
| 3 | 850 | 8969 | | 8761 | | 8542 | | 8310 | | 8062 | | 7795 | | 7191 | | 6453 | | 5615 | | | | | | | | | | | | | |
| | | 2.18 | 18.3 | 2.26 | 18.3 | 2.33 | 18.4 | 2.39 | 17.6 | 2.44 | 16.9 | 2.48 | 16.9 | 2.53 | 17.7 | 2.53 | 18.0 | 2.45 | 16.9 | | | | | | | | | | | | |
| 3 | 910 | 9630 | | 9437 | | 9236 | | 9025 | | 8803 | | 8566 | | 8042 | | 7429 | | 6712 | | 5866 | | | | | | | | | | | |
| | | 2.66 | 19.8 | 2.75 | 19.8 | 2.83 | 19.6 | 2.90 | 19.0 | 2.96 | 18.8 | 3.01 | 18.3 | 3.08 | 18.0 | 3.11 | 19.3 | 3.10 | 19.5 | 2.97 | 18.2 | | | | | | | | | | |
| 5 | 995 | 10563 | | 10389 | | 10208 | | 10020 | | 9825 | | 9620 | | 9177 | | 8680 | | 8109 | | 7454 | | 6764 | | | | | | | | | |
| | | 3.46 | 21 | 3.56 | 21 | 3.65 | 21 | 3.73 | 21 | 3.81 | 21 | 3.87 | 20 | 3.97 | 20 | 4.03 | 20 | 4.07 | 22 | 4.06 | 22 | 3.97 | 22 | | | | | | | | |
| 5 | 1080 | 11494 | | 11334 | | 11170 | | 11000 | | 10825 | | 10644 | | 10259 | | 9835 | | 9368 | | 8841 | | 8244 | | 7629 | | | | | | | |
| | | 4.41 | 25 | 4.51 | 25 | 4.61 | 25 | 4.71 | 25 | 4.79 | 24 | 4.87 | 23 | 5.01 | 23 | 5.10 | 22 | 5.16 | 23 | 5.20 | 25 | 5.20 | 25 | 5.13 | 25 | | | | | | |
| 7 1/2 | 1160 | 12367 | | 12220 | | 12068 | | 11913 | | 11753 | | 11589 | | 11244 | | 10871 | | 10466 | | 10026 | | 9536 | | 8986 | | | | | | | |
| | | 5.45 | 28 | 5.56 | 28 | 5.67 | 28 | 5.77 | 28 | 5.87 | 27 | 5.96 | 27 | 6.13 | 26 | 6.25 | 25 | 6.34 | 25 | 6.40 | 26 | 6.45 | 27 | 6.45 | 28 | | | | | | |
| 7 1/2 | 1235 | 13185 | | 13047 | | 12906 | | 12762 | | 12614 | | 12462 | | 12147 | | 11812 | | 11451 | | 11063 | | 10646 | | 10186 | | | | | | | |
| | | 6.56 | 30 | 6.68 | 30 | 6.79 | 30 | 6.91 | 30 | 7.01 | 30 | 7.12 | 30 | 7.30 | 29 | 7.46 | 28 | 7.58 | 28 | 7.66 | 28 | 7.73 | 28 | 7.78 | 30 | | | | | | |

MAXIMUM MOTOR FRAME SIZE: 215T

SCBD | 245AHP

Outlet Area = 9.77 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | | 3.25 | | 3.50 | | | | | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | | | | |
| 1 | 650 | 3332 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.74 | 9.8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 730 | 4232 | | 3570 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.04 | 12.0 | 1.05 | 10.9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 780 | 4731 | | 4208 | | 3435 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.26 | 12.7 | 1.29 | 13.1 | 1.25 | 11.5 | | | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 835 | 5257 | | 4806 | | 4248 | | 3404 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.52 | 13.3 | 1.56 | 14.6 | 1.58 | 14.2 | 1.48 | 12.6 | | | | | | | | | | | | | | | | | | | | |
| 2 | 875 | 5627 | | 5210 | | 4739 | | 4092 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.73 | 14.3 | 1.78 | 15.4 | 1.81 | 16.0 | 1.79 | 13.9 | | | | | | | | | | | | | | | | | | | | |
| 2 | 915 | 5989 | | 5602 | | 5179 | | 4658 | | 3927 | | | | | | | | | | | | | | | | | | | |
| | | 1.96 | 15.2 | 2.02 | 16.0 | 2.06 | 17.1 | 2.08 | 16.5 | 2.00 | 14.8 | | | | | | | | | | | | | | | | | | |
| 3 | 980 | 6566 | | 6218 | | 5842 | | 5432 | | 4920 | | 4231 | | | | | | | | | | | | | | | | | |
| | | 2.37 | 17.2 | 2.45 | 17.4 | 2.51 | 18.6 | 2.54 | 19.2 | 2.55 | 18.0 | 2.46 | 16.5 | | | | | | | | | | | | | | | | |
| 3 | 1050 | 7176 | | 6857 | | 6523 | | 6165 | | 5773 | | 5292 | | 4667 | | | | | | | | | | | | | | | |
| | | 2.87 | 19.8 | 2.96 | 18.9 | 3.04 | 19.7 | 3.10 | 21 | 3.13 | 21 | 3.13 | 20 | 3.06 | 18.6 | | | | | | | | | | | | | | |
| 5 | 1150 | 8030 | | 7743 | | 7450 | | 7143 | | 6818 | | 6472 | | 6075 | | 5585 | | 4976 | | | | | | | | | | | |
| | | 3.70 | 24 | 3.81 | 22 | 3.91 | 22 | 3.99 | 23 | 4.06 | 24 | 4.10 | 25 | 4.12 | 24 | 4.1 | 23 | 3.98 | 22 | | | | | | | | | | |
| 5 | 1245 | 8828 | | 8566 | | 8300 | | 8027 | | 7743 | | 7443 | | 7131 | | 6788 | | 6386 | | 5901 | | 5317 | | | | | | | |
| | | 4.62 | 27 | 4.76 | 26 | 4.87 | 25 | 4.97 | 25 | 5.06 | 25 | 5.13 | 26 | 5.19 | 28 | 5.23 | 28 | 5.23 | 27 | 5.18 | 25 | 5.02 | 24 | | | | | | |
| 7 1/2 | 1335 | 9575 | | 9332 | | 9086 | | 8837 | | 8581 | | 8315 | | 8038 | | 7750 | | 7443 | | 7100 | | 6698 | | 6226 | | | | | |
| | | 5.63 | 30 | 5.78 | 30 | 5.92 | 28 | 6.04 | 28 | 6.14 | 28 | 6.23 | 28 | 6.31 | 30 | 6.38 | 30 | 6.43 | 30 | 6.45 | 31 | 6.44 | 29 | 6.37 | 27 | | | | |
| 7 1/2 | 1425 | 10314 | | 10089 | | 9860 | | 9628 | | 9394 | | 9154 | | 8905 | | 8646 | | 8380 | | 8102 | | 7801 | | 7462 | | | | | |
| | | 6.77 | 34 | 6.94 | 34 | 7.10 | 33 | | | | | | | | | | | | | | | | | | | | | | |

Belt Driven

SCBD | 270A

Outlet Area = 11.11 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | 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 | |
| 1/2 | 375 | 5140 | 4357 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.36 | 9.2 | 0.38 | 7.0 | | | | | | | | | | | | | | | | | | | |
| 3/4 | 420 | 5895 | 5263 | 4470 | | | | | | | | | | | | | | | | | | | | |
| | | 0.49 | 11.6 | 0.52 | 8.5 | 0.53 | 8.7 | | | | | | | | | | | | | | | | | |
| 3/4 | 450 | 6387 | 5839 | 5140 | 4277 | | | | | | | | | | | | | | | | | | | |
| | | 0.60 | 12.6 | 0.64 | 10.4 | 0.65 | 10.0 | 0.64 | 8.2 | | | | | | | | | | | | | | | |
| 1 | 480 | 6874 | 6390 | 5762 | 5043 | | | | | | | | | | | | | | | | | | | |
| | | 0.72 | 14.1 | 0.77 | 12.9 | 0.79 | 10.3 | 0.79 | 10.6 | | | | | | | | | | | | | | | |
| 1 | 500 | 7196 | 6744 | 6162 | 5507 | 4690 | | | | | | | | | | | | | | | | | | |
| | | 0.82 | 15.0 | 0.86 | 14.2 | 0.89 | 11.5 | 0.89 | 11.8 | 0.87 | 9.5 | | | | | | | | | | | | | |
| 1 1/2 | 525 | 7595 | 7178 | 6653 | 6050 | 5356 | | | | | | | | | | | | | | | | | | |
| | | 0.94 | 14.7 | 0.99 | 15.5 | 1.02 | 12.5 | 1.03 | 12.2 | 1.02 | 11.7 | | | | | | | | | | | | | |
| 1 1/2 | 565 | 8230 | 7855 | 7409 | 6869 | 6290 | 5614 | | | | | | | | | | | | | | | | | |
| | | 1.16 | 16.0 | 1.21 | 16.0 | 1.26 | 14.8 | 1.28 | 13.4 | 1.29 | 13.9 | 1.27 | 12.8 | | | | | | | | | | | |
| 2 | 605 | 8861 | 8519 | 8130 | 7659 | 7140 | 6578 | | | | | | | | | | | | | | | | | |
| | | 1.42 | 17.5 | 1.47 | 17.5 | 1.53 | 17.3 | 1.56 | 15.2 | 1.58 | 14.8 | 1.58 | 15.6 | | | | | | | | | | | |
| 2 | 635 | 9332 | 9010 | 8653 | 8232 | 7746 | 7240 | 6008 | | | | | | | | | | | | | | | | |
| | | 1.63 | 18.7 | 1.69 | 18.7 | 1.75 | 19.3 | 1.79 | 16.9 | 1.82 | 16.0 | 1.83 | 16.4 | 1.79 | 14.1 | | | | | | | | | |
| 3 | 665 | 9801 | 9498 | 9166 | 8786 | 8340 | 7867 | 6798 | | | | | | | | | | | | | | | | |
| | | 1.87 | 20 | 1.93 | 20 | 1.99 | 20 | 2.04 | 18.9 | 2.08 | 17.3 | 2.10 | 17.3 | 2.08 | 17.0 | | | | | | | | | |
| 3 | 710 | 10502 | 10223 | 9921 | 9589 | 9204 | 8772 | 7853 | 6719 | | | | | | | | | | | | | | | |
| | | 2.26 | 22 | 2.33 | 22 | 2.40 | 22 | 2.46 | 22 | 2.51 | 19.9 | 2.54 | 19.0 | 2.56 | 20 | 2.50 | 17.0 | | | | | | | |
| 5 | 760 | 11278 | 11021 | 10746 | 10450 | 10122 | 9746 | 8922 | 7999 | 6755 | | | | | | | | | | | | | | |
| | | 2.76 | 23 | 2.84 | 23 | 2.91 | 23 | 2.98 | 23 | 3.04 | 22 | 3.08 | 21 | 3.14 | 21 | 3.12 | 22 | 2.98 | 17.4 | | | | | |
| 5 | 830 | 12361 | 12128 | 11884 | 11624 | 11347 | 11042 | 10330 | 9564 | 8702 | 7635 | | | | | | | | | | | | | |
| | | 3.58 | 26 | 3.67 | 26 | 3.75 | 26 | 3.83 | 26 | 3.90 | 26 | 3.96 | 25 | 4.05 | 24 | 4.09 | 25 | 4.06 | 24 | 3.95 | 20 | | | |
| 7 1/2 | 900 | 13440 | 13228 | 13007 | 12775 | 12531 | 12272 | 11678 | 10994 | 10281 | 9482 | 8555 | | | | | | | | | | | | |
| | | 4.55 | 30 | 4.64 | 30 | 4.73 | 30 | 4.82 | 30 | 4.90 | 30 | 4.98 | 30 | 5.10 | 27 | 5.18 | 27 | 5.21 | 29 | 5.18 | 28 | 5.09 | 24 | |
| 7 1/2 | 965 | 14439 | 14243 | 14040 | 13829 | 13608 | 13376 | 12869 | 12272 | 11625 | 10952 | 10205 | 9365 | | | | | | | | | | | |
| | | 5.59 | 33 | 5.69 | 33 | 5.79 | 33 | 5.89 | 33 | 5.98 | 33 | 6.06 | 33 | 6.21 | 32 | 6.33 | 31 | 6.40 | 30 | 6.42 | 31 | 6.39 | 31 | 6.31 |
| 7 1/2 | 1030 | 15437 | 15254 | 15066 | 14872 | 14670 | 14460 | 14011 | 13499 | 12916 | 12307 | 11673 | 10978 | | | | | | | | | | | |
| | | 6.78 | 37 | 6.89 | 37 | 7.00 | 37 | 7.10 | 37 | 7.20 | 37 | 7.30 | 37 | 7.47 | 36 | 7.62 | 35 | 7.73 | 33 | 7.79 | 34 | 7.81 | 36 | 7.78 |

MAXIMUM MOTOR FRAME SIZE: 215T

SCBD | 270AHP

Outlet Area = 11.11 ft²

Fan Efficiency Grade: FEG60

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|-------------------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | | 3.25 | | 3.50 | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | 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 | 530 | 2972 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.64 | 7.7 | | | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 605 | 4674 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.04 | 10.1 | | | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 650 | 5444 | 4515 | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.29 | 12.2 | 1.28 | 11.1 | | | | | | | | | | | | | | | | | | | | |
| 2 | 695 | 6139 | 5335 | 4251 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.56 | 13.6 | 1.58 | 12.5 | 1.50 | 12.5 | | | | | | | | | | | | | | | | | | |
| 2 | 730 | 6631 | 5941 | 5113 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.80 | 14.0 | 1.83 | 14.4 | 1.81 | 13.4 | | | | | | | | | | | | | | | | | | |
| 3 | 760 | 7032 | 6440 | 5666 | 4611 | | | | | | | | | | | | | | | | | | | | |
| | | 2.02 | 14.7 | 2.06 | 15.8 | 2.06 | 14.2 | 1.96 | 14.3 | | | | | | | | | | | | | | | | |
| 3 | 815 | 7744 | 7269 | 6623 | 5891 | 4762 | | | | | | | | | | | | | | | | | | | |
| | | 2.47 | 17.0 | 2.51 | 17.0 | 2.55 | 17.1 | 2.53 | 15.9 | 2.37 | 16.4 | | | | | | | | | | | | | | |
| 5 | 870 | 8438 | 8020 | 7519 | 6861 | 6171 | 5040 | | | | | | | | | | | | | | | | | | |
| | | 2.98 | 19.0 | 3.04 | 18.4 | 3.08 | 19.0 | 3.11 | 18.8 | 3.07 | 17.7 | 2.88 | 18.1 | | | | | | | | | | | | |
| 5 | 950 | 9431 | 9055 | 8663 | 8189 | 7589 | 6965 | 6216 | | | | | | | | | | | | | | | | | |
| | | 3.83 | 23 | 3.91 | 21 | 3.96 | 21 | 4.01 | 22 | 4.05 | 22 | 4.02 | 20 | 3.92 | 21 | | | | | | | | | | |
| 7 1/2 | 1030 | 10411 | 10061 | 9714 | 9345 | 8905 | 8362 | 7784 | 7184 | 6276 | | | | | | | | | | | | | | | |
| | | 4.81 | 26 | 4.93 | 25 | 5.01 | 24 | 5.06 | 23 | 5.11 | 25 | 5.15 | 25 | 5.15 | 23 | 5.08 | 23 | 4.88 | 23 | | | | | | |
| 7 1/2 | 1105 | 11318 | 10989 | 10666 | 10340 | 9990 | 9580 | 9082 | 8541 | 8004 | 7374 | 6259 | | | | | | | | | | | | | |
| | | 5.87 | 29 | 6.02 | 28 | 6.13 | 27 | 6.20 | 26 | 6.25 | 26 | 6.31 | 27 | 6.36 | 27 | 6.36 | 26 | 6.32 | 25 | 6.20 | 26 | 5.84 | 26 | | |
| 7 1/2 | 1185 | 12275 | 11969 | 11663 | 11363 | 11057 | 10731 | 10357 | 9911 | 9411 | 8912 | 8398 | 7756 | | | | | | | | | | | | |
| | | 7.15 | 33 | 7.33 | 33 | 7.48 | 31 | 7.58 | 30 | 7.65 | 29 | 7.70 | 29 | 7.76 | 30 | 7.82 | 31 | 7.85 | 30 | 7.83 | 28 | 7.76 | 29 | 7.61 | 29 |

MAXIMUM MOTOR FRAME SIZE: 215T

NOTES:

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

SCBD | 300A

Outlet Area = 13.44 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1 | 400 | 7531 | | 6837 | | 5958 | | 4778 | | | | | | | | | | | | | | | | | |
| | | 0.68 | 12.9 | 0.72 | 10.2 | 0.74 | 9.8 | 0.70 | 7.3 | | | | | | | | | | | | | | | | |
| 1 | 450 | 8610 | | 8054 | | 7336 | | 6527 | | 5478 | | | | | | | | | | | | | | | |
| | | 0.96 | 14.9 | 1.01 | 14.3 | 1.04 | 11.4 | 1.05 | 11.8 | 1.01 | 9.0 | | | | | | | | | | | | | | |
| 1 1/2 | 480 | 9248 | | 8747 | | 8121 | | 7397 | | 6570 | | | | | | | | | | | | | | | |
| | | 1.15 | 16.8 | 1.21 | 16.8 | 1.25 | 13.4 | 1.27 | 13.2 | 1.26 | 12.7 | | | | | | | | | | | | | | |
| 1 1/2 | 515 | 9988 | | 9535 | | 8999 | | 8348 | | 7651 | | 6839 | | | | | | | | | | | | | |
| | | 1.42 | 17.5 | 1.48 | 17.5 | 1.53 | 15.9 | 1.56 | 14.2 | 1.57 | 14.4 | 1.55 | 13.4 | | | | | | | | | | | | |
| 2 | 540 | 10513 | | 10088 | | 9602 | | 9007 | | 8363 | | 7650 | | | | | | | | | | | | | |
| | | 1.62 | 18.5 | 1.69 | 18.5 | 1.75 | 18.0 | 1.79 | 15.2 | 1.81 | 15.3 | 1.80 | 15.5 | | | | | | | | | | | | |
| 2 | 565 | 11035 | | 10636 | | 10188 | | 9651 | | 9045 | | 8406 | | 6721 | | | | | | | | | | | |
| | | 1.85 | 19.2 | 1.93 | 19.2 | 1.99 | 19.3 | 2.04 | 16.8 | 2.07 | 15.7 | 2.08 | 16.6 | 1.98 | 12.8 | | | | | | | | | | |
| 3 | 605 | 11869 | | 11502 | | 11101 | | 10642 | | 10104 | | 9532 | | 8240 | | | | | | | | | | | |
| | | 2.26 | 21 | 2.34 | 21 | 2.42 | 21 | 2.48 | 20 | 2.52 | 18.2 | 2.55 | 17.7 | 2.53 | 17.3 | | | | | | | | | | |
| 3 | 645 | 12698 | | 12360 | | 11994 | | 11592 | | 11126 | | 10602 | | 9488 | | 8112 | | | | | | | | | |
| | | 2.73 | 23 | 2.82 | 23 | 2.90 | 23 | 2.97 | 23 | 3.03 | 20 | 3.07 | 19.6 | 3.09 | 20 | 3.01 | 17.4 | | | | | | | | |
| 5 | 710 | 14040 | | 13739 | | 13418 | | 13074 | | 12700 | | 12273 | | 11316 | | 10274 | | 9019 | | | | | | | |
| | | 3.62 | 26 | 3.72 | 26 | 3.81 | 26 | 3.89 | 26 | 3.97 | 26 | 4.03 | 24 | 4.11 | 23 | 4.11 | 24 | 4.03 | 20 | | | | | | |
| 5 | 770 | 15274 | | 14999 | | 14711 | | 14406 | | 14081 | | 13729 | | 12903 | | 12002 | | 11016 | | 9858 | | | | | |
| | | 4.60 | 28 | 4.71 | 28 | 4.81 | 28 | 4.90 | 28 | 4.99 | 28 | 5.07 | 28 | 5.19 | 25 | 5.25 | 25 | 5.24 | 27 | 5.15 | 24 | | | | |
| 7 1/2 | 825 | 16402 | | 16148 | | 15883 | | 15606 | | 15314 | | 15005 | | 14300 | | 13484 | | 12632 | | 11690 | | 10607 | | | |
| | | 5.64 | 31 | 5.76 | 31 | 5.87 | 31 | 5.97 | 31 | 6.07 | 31 | 6.16 | 31 | 6.32 | 30 | 6.42 | 28 | 6.47 | 30 | 6.44 | 29 | 6.34 | 26 | | |
| 7 1/2 | 880 | 17527 | | 17291 | | 17046 | | 16791 | | 16525 | | 16247 | | 15636 | | 14919 | | 14139 | | 13330 | | 12435 | | 11429 | |
| | | 6.83 | 34 | 6.95 | 34 | 7.07 | 34 | 7.19 | 34 | 7.30 | 34 | 7.40 | 34 | 7.59 | 32 | 7.73 | 32 | 7.82 | 31 | 7.85 | 33 | 7.81 | 33 | 7.71 | 30 |

MAXIMUM MOTOR FRAME SIZE: 215T

SCBD | 300AHP

Outlet Area = 13.44 ft²

Fan Efficiency Grade: FEG60

| 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 | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1 | 390 | 2715 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.40 | 5.6 | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 515 | 6049 | | 4817 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.02 | 9.6 | 1.02 | 8.8 | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 550 | 6697 | | 5656 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.24 | 10.5 | 1.26 | 10.3 | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 590 | 7396 | | 6568 | | 5439 | | | | | | | | | | | | | | | | | | | |
| | | 1.52 | 12.1 | 1.55 | 12.5 | 1.54 | 11.2 | | | | | | | | | | | | | | | | | | |
| 2 | 620 | 7905 | | 7196 | | 6180 | | 4525 | | | | | | | | | | | | | | | | | |
| | | 1.75 | 13.6 | 1.79 | 13.9 | 1.81 | 12.0 | 1.63 | 12.3 | | | | | | | | | | | | | | | | |
| 2 | 650 | 8407 | | 7773 | | 6876 | | 5807 | | | | | | | | | | | | | | | | | |
| | | 2.00 | 15.4 | 2.05 | 14.1 | 2.09 | 14.4 | 2.04 | 13.6 | | | | | | | | | | | | | | | | |
| 3 | 700 | 9233 | | 8668 | | 7984 | | 7069 | | 5958 | | | | | | | | | | | | | | | |
| | | 2.47 | 18.2 | 2.54 | 15.7 | 2.59 | 16.7 | 2.60 | 15.1 | 2.51 | 15.2 | | | | | | | | | | | | | | |
| 3 | 745 | 9968 | | 9440 | | 8872 | | 8107 | | 7228 | | 5967 | | | | | | | | | | | | | |
| | | 2.95 | 21 | 3.04 | 17.5 | 3.09 | 17.6 | 3.14 | 18.0 | 3.12 | 16.2 | 2.96 | 16.8 | | | | | | | | | | | | |
| 5 | 810 | 11018 | | 10527 | | 10039 | | 9480 | | 8742 | | 7935 | | 6942 | | | | | | | | | | | |
| | | 3.73 | 23 | 3.87 | 21 | 3.94 | 19.4 | 3.99 | 20 | 4.04 | 20 | 4.02 | 18.6 | 3.89 | 19.5 | | | | | | | | | | |
| 5 | 880 | 12133 | | 11679 | | 11233 | | 10774 | | 10241 | | 9558 | | 8815 | | 8022 | | 6584 | | | | | | | |
| | | 4.71 | 25 | 4.89 | 25 | 5.00 | 23 | 5.06 | 22 | 5.12 | 23 | 5.17 | 23 | 5.17 | 22 | 5.08 | 22 | 4.73 | 22 | | | | | | |
| 7 1/2 | 945 | 13157 | | 12737 | | 12316 | | 11901 | | 11464 | | 10951 | | 10314 | | 9620 | | 8917 | | 7959 | | | | | |
| | | 5.77 | 28 | 5.98 | 28 | 6.13 | 26 | 6.22 | 25 | 6.28 | 25 | 6.35 | 26 | 6.40 | 26 | 6.41 | 24 | 6.34 | 24 | 6.15 | 25 | | | | |
| 7 1/2 | 1010 | 14173 | | 13782 | | 13386 | | 12997 | | 12605 | | 12188 | | 11702 | | 11112 | | 10461 | | 9818 | | 9087 | | 7869 | |
| | | 6.97 | 30 | 7.21 | 30 | 7.40 | 30 | 7.53 | 27 | 7.61 | 27 | 7.68 | 27 | 7.75 | 28 | 7.81 | 28 | 7.83 | 28 | 7.78 | 26 | 7.66 | 26 | 7.28 | 27 |

MAXIMUM MOTOR FRAME SIZE: 215T

NOTES:

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

Belt Driven

SCBD | 330A

Outlet Area = 16.46 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-------------------------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 1.00 | | 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 |
| 1 | 310 | 7663 | | 6517 | | 4805 | | | | | | | | | | | | | | | | | |
| | | 0.54 | 8.7 | 0.57 | 6.7 | 0.53 | 5.4 | | | | | | | | | | | | | | | | |
| 1 | 380 | 9752 | | 8983 | | 7994 | | 6823 | | | | | | | | | | | | | | | |
| | | 0.96 | 14.0 | 1.02 | 12.2 | 1.05 | 10.7 | 1.03 | 9.9 | | | | | | | | | | | | | | |
| 1 1/2 | 405 | 10479 | | 9795 | | 8908 | | 7908 | | 6582 | | | | | | | | | | | | | |
| | | 1.16 | 15.6 | 1.22 | 14.9 | 1.26 | 11.9 | 1.26 | 12.3 | 1.21 | 9.4 | | | | | | | | | | | | |
| 1 1/2 | 435 | 11343 | | 10732 | | 9970 | | 9088 | | 8082 | | | | | | | | | | | | | |
| | | 1.42 | 17.6 | 1.49 | 17.6 | 1.55 | 14.0 | 1.57 | 13.7 | 1.56 | 13.3 | | | | | | | | | | | | |
| 2 | 455 | 11916 | | 11343 | | 10654 | | 9829 | | 8932 | | 7858 | | | | | | | | | | | |
| | | 1.62 | 18.7 | 1.70 | 18.7 | 1.76 | 15.7 | 1.79 | 14.1 | 1.79 | 14.8 | 1.76 | 12.4 | | | | | | | | | | |
| 2 | 475 | 12485 | | 11946 | | 11318 | | 10550 | | 9727 | | 8787 | | | | | | | | | | | |
| | | 1.84 | 19.3 | 1.92 | 19.3 | 1.98 | 17.6 | 2.03 | 15.4 | 2.04 | 15.6 | 2.02 | 15.1 | | | | | | | | | | |
| 3 | 510 | 13477 | | 12987 | | 12438 | | 11779 | | 11036 | | 10251 | | 8162 | | | | | | | | | |
| | | 2.26 | 21 | 2.35 | 21 | 2.42 | 21 | 2.49 | 17.5 | 2.52 | 16.8 | 2.53 | 17.2 | 2.40 | 13.2 | | | | | | | | |
| 3 | 545 | 14463 | | 14013 | | 13519 | | 12954 | | 12290 | | 11588 | | 9992 | | | | | | | | | |
| | | 2.74 | 22 | 2.84 | 22 | 2.93 | 22 | 3.00 | 21 | 3.05 | 18.5 | 3.08 | 18.3 | 3.05 | 18.0 | | | | | | | | |
| 5 | 600 | 16005 | | 15606 | | 15176 | | 14708 | | 14175 | | 13569 | | 12272 | | 10750 | | | | | | | |
| | | 3.63 | 25 | 3.74 | 25 | 3.84 | 25 | 3.94 | 25 | 4.01 | 23 | 4.07 | 21 | 4.12 | 21 | 4.06 | 20 | | | | | | |
| 5 | 650 | 17401 | | 17037 | | 16652 | | 16240 | | 15792 | | 15286 | | 14137 | | 12898 | | 11434 | | | | | |
| | | 4.60 | 28 | 4.72 | 28 | 4.83 | 28 | 4.94 | 28 | 5.03 | 28 | 5.11 | 26 | 5.21 | 23 | 5.23 | 25 | 5.15 | 22 | | | | |
| 7 1/2 | 700 | 18792 | | 18458 | | 18108 | | 17737 | | 17344 | | 16918 | | 15920 | | 14826 | | 13637 | | 12250 | | | |
| | | 5.72 | 32 | 5.85 | 32 | 5.98 | 32 | 6.09 | 32 | 6.20 | 32 | 6.30 | 30 | 6.45 | 27 | 6.53 | 27 | 6.52 | 28 | 6.42 | 25 | | |
| 7 1/2 | 745 | 20040 | | 19729 | | 19405 | | 19065 | | 18707 | | 18329 | | 17465 | | 16464 | | 15420 | | 14263 | | 12932 | |
| | | 6.88 | 34 | 7.02 | 34 | 7.15 | 34 | 7.28 | 34 | 7.40 | 34 | 7.52 | 34 | 7.71 | 30 | 7.83 | 29 | 7.88 | 31 | 7.84 | 31 | 7.73 | 27 |
| 10 | 780 | 21010 | | 20714 | | 20407 | | 20088 | | 19753 | | 19401 | | 18623 | | 17707 | | 16728 | | 15697 | | 14538 | 13186 |
| | | 7.88 | 35 | 8.03 | 35 | 8.17 | 35 | 8.31 | 35 | 8.44 | 35 | 8.56 | 35 | 8.78 | 33 | 8.93 | 32 | 9.03 | 32 | 9.04 | 33 | 8.97 | 32 |
| 10 | 820 | 22116 | | 21837 | | 21547 | | 21247 | | 20935 | | 20610 | | 19907 | | 19089 | | 18175 | | 17235 | | 16226 | 15099 |
| | | 9.14 | 38 | 9.29 | 38 | 9.44 | 38 | 9.59 | 38 | 9.73 | 38 | 9.86 | 38 | 10.11 | 36 | 10.30 | 35 | 10.43 | 34 | 10.50 | 35 | 10.49 | 36 |

MAXIMUM MOTOR FRAME SIZE: 256T

SCBD | 330AHP

Outlet Area = 16.46 ft²

Fan Efficiency Grade: FEG60

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-------------------------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.75 | | 3.00 | | 3.25 | | 3.50 | |
| | | 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 |
| 1 1/2 | 440 | 4716 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.00 | 8.4 | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 500 | 7005 | | 4831 | | | | | | | | | | | | | | | | | | | |
| | | 1.57 | 10.7 | 1.40 | 10.3 | | | | | | | | | | | | | | | | | | |
| 2 | 525 | 7782 | | 6329 | | | | | | | | | | | | | | | | | | | |
| | | 1.82 | 12.4 | 1.78 | 11.2 | | | | | | | | | | | | | | | | | | |
| 2 | 550 | 8512 | | 7221 | | | | | | | | | | | | | | | | | | | |
| | | 2.08 | 13.3 | 2.08 | 11.9 | | | | | | | | | | | | | | | | | | |
| 3 | 590 | 9567 | | 8485 | | 7198 | | | | | | | | | | | | | | | | | |
| | | 2.54 | 14.6 | 2.58 | 15.0 | 2.53 | 13.8 | | | | | | | | | | | | | | | | |
| 3 | 630 | 10536 | | 9686 | | 8557 | | 7137 | | | | | | | | | | | | | | | |
| | | 3.07 | 16.4 | 3.12 | 16.9 | 3.14 | 15.3 | 3.01 | 15.6 | | | | | | | | | | | | | | |
| 5 | 690 | 11923 | | 11264 | | 10413 | | 9369 | | 8178 | | | | | | | | | | | | | |
| | | 3.99 | 19.5 | 4.05 | 18.7 | 4.12 | 19.8 | 4.12 | 17.7 | 4.01 | 17.8 | | | | | | | | | | | | |
| 5 | 745 | 13162 | | 12577 | | 11928 | | 11082 | | 10111 | | 9053 | | | | | | | | | | | |
| | | 4.97 | 23 | 5.06 | 21 | 5.12 | 21 | 5.19 | 22 | 5.19 | 19.8 | 5.08 | 20 | | | | | | | | | | |
| 7 1/2 | 800 | 14385 | | 13842 | | 13285 | | 12645 | | 11827 | | 10922 | | 9976 | | 8380 | | | | | | | |
| | | 6.07 | 27 | 6.21 | 24 | 6.29 | 23 | 6.36 | 24 | 6.43 | 24 | 6.43 | 22 | 6.34 | 22 | 5.98 | 23 | | | | | | |
| 7 1/2 | 855 | 15596 | | 15081 | | 14573 | | 14039 | | 13413 | | 12637 | | 11787 | | 10930 | | 9770 | | | | | |
| | | 7.33 | 29 | 7.51 | 27 | 7.62 | 26 | 7.70 | 25 | 7.78 | 27 | 7.85 | 27 | 7.85 | 25 | 7.78 | 25 | 7.54 | 25 | | | | |
| 10 | 900 | 16576 | | 16084 | | 15602 | | 15113 | | 14583 | | 13953 | | 13193 | | 12386 | | 11574 | | 10550 | | 8575 | |
| | | 8.46 | 31 | 8.69 | 31 | 8.84 | 28 | 8.93 | 27 | 9.01 | 28 | 9.10 | 29 | 9.16 | 29 | 9.16 | 27 | 9.08 | 26 | 8.87 | 27 | 8.12 | 26 |
| 10 | 940 | 17440 | | 16970 | | 16504 | | 16043 | | 15562 | | 15027 | | 14386 | | 13638 | | 12867 | | 12088 | | 11130 | 9424 |
| | | 9.57 | 33 | 9.82 | 33 | 10.01 | 31 | 10.13 | 30 | 10.21 | 30 | 10.30 | 30 | 10.39 | 32 | 10.44 | 30 | 10.43 | 29 | 10.35 | 28 | 10.14 | 29 |

MAXIMUM MOTOR FRAME SIZE: 256T

NOTES:

1. Performance certified is for Installation Type B: Free inlet, ducted 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. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
5. Values shown are for installation Type B: free inlet hemispherical sone levels.

SCBD | 365A

Outlet Area = 17.36 ft²

Fan Efficiency Grade: FEG53

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 0.875 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1 | 240 | 7252 | | 5314 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.43 | 4.2 | 0.41 | 4.0 | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 320 | 10451 | | 9423 | | 8064 | | | | | | | | | | | | | | | | | | | |
| | | 0.98 | 8.7 | 1.01 | 7.7 | 1.01 | 8.3 | | | | | | | | | | | | | | | | | | |
| 2 | 345 | 11407 | | 10491 | | 9375 | | 7885 | | | | | | | | | | | | | | | | | |
| | | 1.21 | 10.6 | 1.26 | 9.2 | 1.28 | 9.8 | 1.23 | 8.7 | | | | | | | | | | | | | | | | |
| 3 | 370 | 12351 | | 11523 | | 10562 | | 9338 | | | | | | | | | | | | | | | | | |
| | | 1.48 | 12.1 | 1.55 | 11.1 | 1.57 | 11.0 | 1.57 | 11.6 | | | | | | | | | | | | | | | | |
| 4 | 385 | 12914 | | 12129 | | 11237 | | 10145 | | 8770 | | | | | | | | | | | | | | | |
| | | 1.67 | 13.2 | 1.73 | 12.3 | 1.77 | 11.6 | 1.77 | 12.4 | 1.71 | 11.0 | | | | | | | | | | | | | | |
| 5 | 405 | 13659 | | 12926 | | 12107 | | 11150 | | 9953 | | | | | | | | | | | | | | | |
| | | 1.93 | 14.3 | 2.01 | 13.8 | 2.05 | 12.9 | 2.06 | 13.6 | 2.04 | 13.5 | | | | | | | | | | | | | | |
| 6 | 435 | 14771 | | 14101 | | 13368 | | 12548 | | 11578 | | 10406 | | | | | | | | | | | | | |
| | | 2.38 | 15.9 | 2.46 | 15.7 | 2.52 | 14.5 | 2.55 | 14.5 | 2.56 | 15.4 | 2.51 | 14.5 | | | | | | | | | | | | |
| 7 | 465 | 15875 | | 15258 | | 14592 | | 13866 | | 13049 | | 12081 | | 10956 | | | | | | | | | | | |
| | | 2.89 | 17.3 | 2.99 | 17.3 | 3.06 | 16.1 | 3.10 | 15.6 | 3.12 | 16.5 | 3.12 | 16.6 | 3.06 | 15.7 | | | | | | | | | | |
| 8 | 505 | 17338 | | 16779 | | 16185 | | 15548 | | 14857 | | 14087 | | 13194 | | 12173 | | | | | | | | | |
| | | 3.68 | 19.9 | 3.79 | 19.9 | 3.88 | 19.4 | 3.95 | 18.0 | 3.98 | 17.9 | 4.00 | 18.1 | 4.00 | 19.0 | 3.94 | 17.9 | | | | | | | | |
| 9 | 550 | 18976 | | 18469 | | 17937 | | 17374 | | 16777 | | 16135 | | 15430 | | 14633 | | 12747 | | | | | | | |
| | | 4.72 | 23 | 4.85 | 23 | 4.96 | 23 | 5.05 | 21 | 5.11 | 19.9 | 5.14 | 19.7 | 5.16 | 21 | 5.17 | 21 | 5.03 | 18.8 | | | | | | |
| 10 | 590 | 20425 | | 19957 | | 19470 | | 18959 | | 18422 | | 17854 | | 17248 | | 16591 | | 15040 | | 13163 | | | | | |
| | | 5.81 | 25 | 5.95 | 25 | 6.07 | 25 | 6.18 | 24 | 6.27 | 23 | 6.32 | 22 | 6.35 | 22 | 6.37 | 23 | 6.37 | 23 | 6.11 | 20 | | | | |
| 11 | 630 | 21870 | | 21435 | | 20984 | | 20516 | | 20027 | | 19515 | | 18977 | | 18407 | | 17121 | | 15565 | | 13694 | | | |
| | | 7.05 | 29 | 7.20 | 29 | 7.34 | 29 | 7.46 | 27 | 7.57 | 26 | 7.65 | 25 | 7.70 | 24 | 7.73 | 23 | 7.77 | 25 | 7.71 | 25 | 7.34 | 21 | | |
| 12 | 660 | 22951 | | 22538 | | 22111 | | 21669 | | 21211 | | 20733 | | 20235 | | 19712 | | 18566 | | 17212 | | 15635 | | | |
| | | 8.09 | 31 | 8.25 | 31 | 8.40 | 31 | 8.53 | 31 | 8.65 | 29 | 8.75 | 27 | 8.82 | 27 | 8.87 | 25 | 8.92 | 26 | 8.93 | 27 | 8.75 | 25 | | |
| 13 | 695 | 24210 | | 23820 | | 23418 | | 23003 | | 22575 | | 22131 | | 21671 | | 21192 | | 20163 | | 18996 | | 17625 | | 16081 | |
| | | 9.43 | 34 | 9.60 | 34 | 9.76 | 34 | 9.90 | 34 | 10.04 | 33 | 10.15 | 31 | 10.25 | 29 | 10.31 | 29 | 10.39 | 29 | 10.43 | 30 | 10.40 | 29 | 10.14 | 26 |

MAXIMUM MOTOR FRAME SIZE: 256T

SCBD | 365AHP

Outlet Area = 17.36 ft²

Fan Efficiency Grade: FEG56

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| | | 0.25 | | 0.50 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 2.25 | | 2.50 | | 2.75 | | 3.00 | |
| | | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone | CFM | Sone |
| 1 1/2 | 380 | 8578 | | 7022 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.10 | 8.6 | 1.15 | 8.9 | | | | | | | | | | | | | | | | | | | | |
| 2 | 420 | 9743 | | 8471 | | 6844 | | | | | | | | | | | | | | | | | | | |
| | | 1.47 | 11.0 | 1.54 | 10.3 | 1.56 | 10.9 | | | | | | | | | | | | | | | | | | |
| 3 | 440 | 10320 | | 9147 | | 7646 | | | | | | | | | | | | | | | | | | | |
| | | 1.67 | 12.3 | 1.75 | 10.9 | 1.80 | 12.0 | | | | | | | | | | | | | | | | | | |
| 4 | 460 | 10895 | | 9791 | | 8397 | | 6313 | | | | | | | | | | | | | | | | | |
| | | 1.90 | 13.7 | 1.99 | 11.2 | 2.04 | 12.5 | 1.82 | 12.5 | | | | | | | | | | | | | | | | |
| 5 | 495 | 11892 | | 10869 | | 9691 | | 8320 | | | | | | | | | | | | | | | | | |
| | | 2.33 | 15.5 | 2.46 | 13.1 | 2.53 | 13.6 | 2.56 | 14.3 | | | | | | | | | | | | | | | | |
| 6 | 530 | 12878 | | 11913 | | 10907 | | 9652 | | 8246 | | | | | | | | | | | | | | | |
| | | 2.82 | 17.9 | 3.00 | 14.6 | 3.07 | 14.6 | 3.13 | 15.4 | 3.09 | 14.9 | | | | | | | | | | | | | | |
| 7 | 575 | 14135 | | 13229 | | 12355 | | 11313 | | 10134 | | 8699 | | | | | | | | | | | | | |
| | | 3.55 | 21 | 3.78 | 17.4 | 3.88 | 16.0 | 3.96 | 17.0 | 4.01 | 17.0 | 3.87 | 16.2 | | | | | | | | | | | | |
| 8 | 625 | 15519 | | 14674 | | 13874 | | 13026 | | 12001 | | 10917 | | 9638 | | | | | | | | | | | |
| | | 4.50 | 23 | 4.73 | 20 | 4.93 | 18.3 | 5.02 | 18.1 | 5.10 | 19.3 | 5.15 | 18.6 | 5.04 | 17.3 | | | | | | | | | | |
| 9 | 670 | 16756 | | 15964 | | 15204 | | 14454 | | 13598 | | 12604 | | 11599 | | 10408 | | | | | | | | | |
| | | 5.49 | 26 | 5.83 | 24 | 6.03 | 21 | 6.13 | 20 | 6.22 | 21 | 6.30 | 21 | 6.35 | 21 | 6.23 | 19.3 | | | | | | | | |
| 10 | 720 | 18122 | | 17382 | | 16660 | | 15970 | | 15249 | | 14414 | | 13477 | | 12542 | | 11517 | | 9203 | | | | | |
| | | 6.74 | 30 | 7.13 | 28 | 7.41 | 25 | 7.55 | 23 | 7.64 | 23 | 7.75 | 24 | 7.83 | 25 | 7.87 | 24 | 7.82 | 22 | 6.71 | 22 | | | | |
| 11 | 755 | 19074 | | 18366 | | 17671 | | 17008 | | 16343 | | 15607 | | 14763 | | 13855 | | 12971 | | 11949 | | 9636 | | | |
| | | 7.72 | 32 | 8.15 | 31 | 8.47 | 28 | 8.65 | 26 | 8.76 | 25 | 8.86 | 25 | 8.97 | 27 | 9.04 | 27 | 9.08 | 26 | 8.99 | 24 | 7.74 | 24 | | |
| 12 | 790 | 20023 | | 19345 | | 18677 | | 18034 | | 17406 | | 16745 | | 15995 | | 15159 | | 14291 | | 13446 | | 12438 | | 10227 | |
| | | 8.80 | 35 | 9.27 | 34 | 9.62 | 31 | 9.86 | 29 | 9.99 | 28 | 10.09 | 28 | 10.21 | 28 | 10.31 | 30 | 10.36 | 29 | 10.41 | 27 | 10.28 | 26 | 8.91 | 26 |

MAXIMUM MOTOR FRAME SIZE: 256T

NOTES:

1. Performance certified is for Installation Type B: Free inlet, ducted 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. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
5. Values shown are for installation Type B: free inlet hemispherical sone levels.

Belt Driven

SCBD | 402A

Outlet Area = 21.20 ft²

Fan Efficiency Grade: FEG53

| HP | RPM | STATIC PRESSURE (INCHES W.G.) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| | | 0.125 | | 0.25 | | 0.375 | | 0.50 | | 0.625 | | 0.75 | | 0.875 | | 1.00 | | 1.125 | | 1.25 | | 1.50 | | 1.75 | |
| | | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | 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 1/2 | 290 | 12803 | 11551 | 9898 | | | | | | | | | | | | | | | | | | | | | |
| | | 1.20 | 8.6 | 1.25 | 7.5 | 1.25 | 8.1 | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 310 | 13837 | 12708 | 11321 | 9460 | | | | | | | | | | | | | | | | | | | | |
| | | 1.45 | 10.3 | 1.51 | 8.9 | 1.53 | 9.4 | 1.47 | 8.2 | | | | | | | | | | | | | | | | |
| 2 | 325 | 14605 | 13550 | 12305 | 10677 | | | | | | | | | | | | | | | | | | | | |
| | | 1.67 | 11.1 | 1.74 | 10.1 | 1.76 | 10.1 | 1.74 | 10.2 | | | | | | | | | | | | | | | | |
| 2 | 340 | 15368 | 14377 | 13238 | 11810 | 9946 | | | | | | | | | | | | | | | | | | | |
| | | 1.90 | 12.4 | 1.98 | 11.4 | 2.01 | 11.1 | 2.01 | 11.5 | 1.90 | 10.1 | | | | | | | | | | | | | | |
| 3 | 365 | 16630 | 15729 | 14722 | 13542 | 12064 | | | | | | | | | | | | | | | | | | | |
| | | 2.33 | 14.5 | 2.43 | 13.5 | 2.48 | 12.7 | 2.50 | 13.4 | 2.47 | 13.4 | | | | | | | | | | | | | | |
| 3 | 390 | 17882 | 17054 | 16146 | 15127 | 13911 | 12447 | | | | | | | | | | | | | | | | | | |
| | | 2.83 | 16.1 | 2.94 | 15.8 | 3.01 | 14.7 | 3.04 | 14.6 | 3.05 | 15.5 | 2.98 | 14.5 | | | | | | | | | | | | |
| 5 | 430 | 19870 | 19136 | 18347 | 17491 | 16540 | 15433 | 14130 | 12574 | | | | | | | | | | | | | | | | |
| | | 3.76 | 19.1 | 3.89 | 19.1 | 3.99 | 17.6 | 4.05 | 16.7 | 4.07 | 17.3 | 4.08 | 17.8 | 4.03 | 17.4 | 3.85 | 15.8 | | | | | | | | |
| 5 | 465 | 21599 | 20929 | 20220 | 19462 | 18644 | 17742 | 16707 | 15514 | 14190 | | | | | | | | | | | | | | | |
| | | 4.73 | 22 | 4.88 | 22 | 4.99 | 20 | 5.08 | 19.1 | 5.13 | 18.7 | 5.15 | 19.2 | 5.16 | 20 | 5.12 | 19.8 | 4.96 | 17.8 | | | | | | |
| 7 1/2 | 500 | 23319 | 22703 | 22057 | 21374 | 20649 | 19871 | 19021 | 18061 | 16972 | 15788 | | | | | | | | | | | | | | |
| | | 5.86 | 24 | 6.02 | 24 | 6.15 | 23 | 6.27 | 22 | 6.34 | 21 | 6.38 | 21 | 6.41 | 22 | 6.42 | 23 | 6.39 | 22 | 6.26 | 20 | | | | |
| 7 1/2 | 535 | 25032 | 24462 | 23867 | 23245 | 22591 | 21900 | 21163 | 20365 | 19476 | 18483 | 16212 | | | | | | | | | | | | | |
| | | 7.15 | 27 | 7.32 | 27 | 7.48 | 27 | 7.61 | 25 | 7.72 | 24 | 7.78 | 23 | 7.82 | 23 | 7.85 | 23 | 7.87 | 25 | 7.84 | 24 | 7.54 | 21 | | |
| 10 | 555 | 26009 | 25462 | 24893 | 24300 | 23679 | 23028 | 22340 | 21604 | 20804 | 19915 | 17876 | | | | | | | | | | | | | |
| | | 7.97 | 28 | 8.15 | 28 | 8.31 | 28 | 8.46 | 27 | 8.58 | 25 | 8.66 | 25 | 8.71 | 24 | 8.75 | 24 | 8.77 | 25 | 8.78 | 25 | 8.62 | 24 | | |
| 10 | 585 | 27471 | 26955 | 26421 | 25867 | 25290 | 24689 | 24060 | 23396 | 22690 | 21928 | 20169 | 18133 | | | | | | | | | | | | |
| | | 9.31 | 30 | 9.50 | 30 | 9.68 | 30 | 9.84 | 30 | 9.98 | 28 | 10.09 | 27 | 10.17 | 26 | 10.21 | 26 | 10.25 | 26 | 10.27 | 27 | 10.25 | 27 | 9.95 | 24 |

MAXIMUM MOTOR FRAME SIZE: 256T

SCBD | 402AHP

Outlet Area = 21.20 ft²

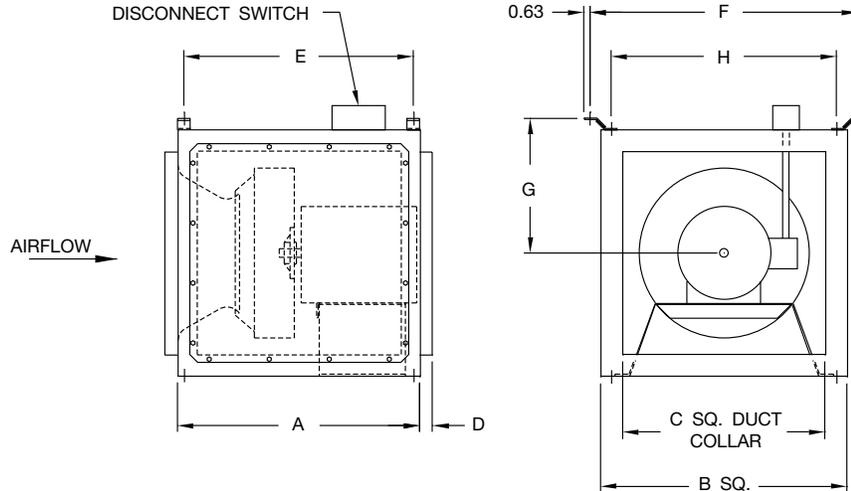
Fan Efficiency Grade: FEG56

| 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 | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM | 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 1/2 | 300 | 6115 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.91 | 6.6 | | | | | | | | | | | | | | | | | | | | | | |
| 1 1/2 | 355 | 9151 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.55 | 9.6 | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 370 | 9886 | 7706 | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.74 | 10.2 | 1.73 | 10.7 | | | | | | | | | | | | | | | | | | | | |
| 2 | 390 | 10821 | 8929 | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.02 | 10.8 | 2.07 | 12.0 | | | | | | | | | | | | | | | | | | | | |
| 3 | 420 | 12135 | 10463 | 8217 | | | | | | | | | | | | | | | | | | | | | |
| | | 2.50 | 12.2 | 2.57 | 13.2 | 2.40 | 13.4 | | | | | | | | | | | | | | | | | | |
| 3 | 445 | 13174 | 11713 | 10021 | | | | | | | | | | | | | | | | | | | | | |
| | | 2.95 | 13.2 | 3.04 | 14.1 | 3.07 | 14.3 | | | | | | | | | | | | | | | | | | |
| 5 | 490 | 14984 | 13808 | 12337 | 10775 | | | | | | | | | | | | | | | | | | | | |
| | | 3.90 | 15.7 | 3.99 | 15.3 | 4.08 | 16.7 | 4.09 | 16.3 | | | | | | | | | | | | | | | | |
| 5 | 530 | 16559 | 15516 | 14303 | 12888 | 11382 | | | | | | | | | | | | | | | | | | | |
| | | 4.88 | 18.7 | 5.00 | 17.1 | 5.11 | 17.7 | 5.17 | 18.5 | 5.14 | 17.8 | | | | | | | | | | | | | | |
| 7 1/2 | 570 | 18119 | 17148 | 16129 | 14901 | 13583 | 12127 | | | | | | | | | | | | | | | | | | |
| | | 6.00 | 22 | 6.18 | 19.2 | 6.28 | 19.1 | 6.39 | 20 | 6.45 | 20 | 6.38 | 19.0 | | | | | | | | | | | | |
| 7 1/2 | 605 | 19474 | 18544 | 17626 | 16575 | 15355 | 14125 | 12645 | | | | | | | | | | | | | | | | | |
| | | 7.09 | 24 | 7.33 | 22 | 7.45 | 21 | 7.57 | 22 | 7.67 | 22 | 7.72 | 21 | 7.56 | 20 | | | | | | | | | | |
| 10 | 640 | 20817 | 19924 | 19066 | 18152 | 17082 | 15903 | 14747 | 13278 | | | | | | | | | | | | | | | | |
| | | 8.30 | 28 | 8.61 | 24 | 8.77 | 22 | 8.88 | 22 | 9.01 | 24 | 9.09 | 24 | 9.14 | 23 | 8.91 | 22 | | | | | | | | |
| 10 | 670 | 21960 | 21097 | 20275 | 19437 | 18492 | 17412 | 16282 | 15169 | 13598 | | | | | | | | | | | | | | | |
| | | 9.45 | 30 | 9.81 | 27 | 10.01 | 25 | 10.13 | 24 | 10.26 | 25 | 10.38 | 26 | 10.45 | 26 | 10.49 | 24 | 10.06 | 23 | | | | | | |
| 15 | 715 | 23663 | 22847 | 22062 | 21294 | 20488 | 19572 | 18551 | 17490 | 16459 | 15234 | 12566 | | | | | | | | | | | | | |
| | | 11.35 | 35 | 11.79 | 31 | 12.07 | 28 | 12.23 | 28 | 12.35 | 28 | 12.50 | 28 | 12.62 | 30 | 12.69 | 28 | 12.75 | 27 | 12.59 | 26 | 10.93 | 26 | | |
| 15 | 765 | 25541 | 24774 | 24023 | 23303 | 22582 | 21815 | 20953 | 20004 | 19011 | 18045 | 17034 | 15602 | | | | | | | | | | | | |
| | | 13.74 | 40 | 14.25 | 36 | 14.63 | 34 | 14.87 | 32 | 15.01 | 31 | 15.15 | 31 | 15.31 | 32 | 15.44 | 34 | 15.53 | 33 | 15.59 | 32 | 15.59 | 30 | 15.03 | 30 |

MAXIMUM MOTOR FRAME SIZE: 256T

NOTES:

1. Performance certified is for Installation Type B: Free inlet, ducted 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. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
5. Values shown are for installation Type B: free inlet hemispherical sone levels.



| MODEL SCDD | EC MOTOR SIZES | A | B | C | D | E | F | G | H | DAMPER SIZE | AVG. SHIP WT. (LBS.) | SIDE DISCHARGE SIZE |
|------------|----------------|-------|-------|-------|------|-------|-------|-------|-------|---------------|----------------------|---------------------|
| 080A | 080AE | 19.00 | 15.33 | 11.88 | 1.00 | 16.50 | 19.50 | 8.63 | 13.56 | 12.00 x 12.00 | 93 | 11.88 x 11.88 |
| 090A | 090AE | 19.00 | 15.33 | 11.88 | 1.00 | 16.50 | 19.50 | 8.63 | 13.56 | 12.00 x 12.00 | 96 | 11.88 x 11.88 |
| 100A | 100AE | 20.50 | 17.81 | 13.88 | 1.00 | 19.00 | 21.06 | 10.38 | 16.00 | 14.00 x 14.00 | 106 | 13.88 x 13.88 |
| 120A | 120AE | 21.50 | 19.38 | 15.88 | 1.00 | 20.00 | 22.06 | 11.13 | 17.00 | 16.00 x 16.00 | 127 | 15.88 x 15.88 |
| 135A/135AN | 135AE/ANE | 23.00 | 21.56 | 17.88 | 1.00 | 21.50 | 24.25 | 12.19 | 19.16 | 18.00 x 18.00 | 132 | 17.88 x 17.88 |
| 150A/150AN | 150AE/ANE | 24.00 | 23.82 | 19.88 | 1.00 | 22.50 | 26.38 | 13.29 | 21.31 | 20.00 x 20.00 | 157 | 19.88 x 19.88 |
| 165A/165AN | 165AE/ANE | 26.00 | 26.50 | 22.88 | 1.00 | 24.50 | 29.06 | 14.64 | 24.00 | 23.00 x 23.00 | 167 | 22.88 x 22.88 |

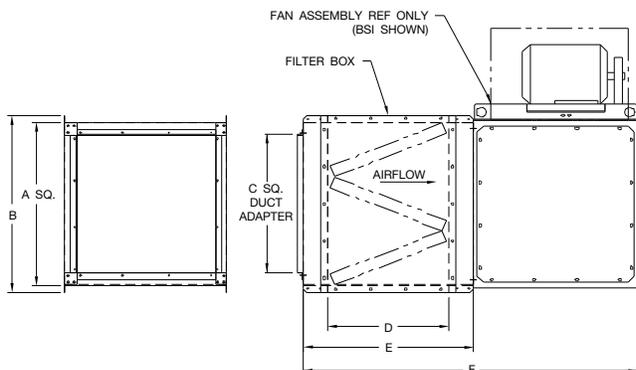
Notes:

1. All figures are in inches unless noted otherwise.
2. Average ship weight is for fan and motor assembly.
3. Dimensions are not to be used for construction.

R-1002419

Filter Box Assembly

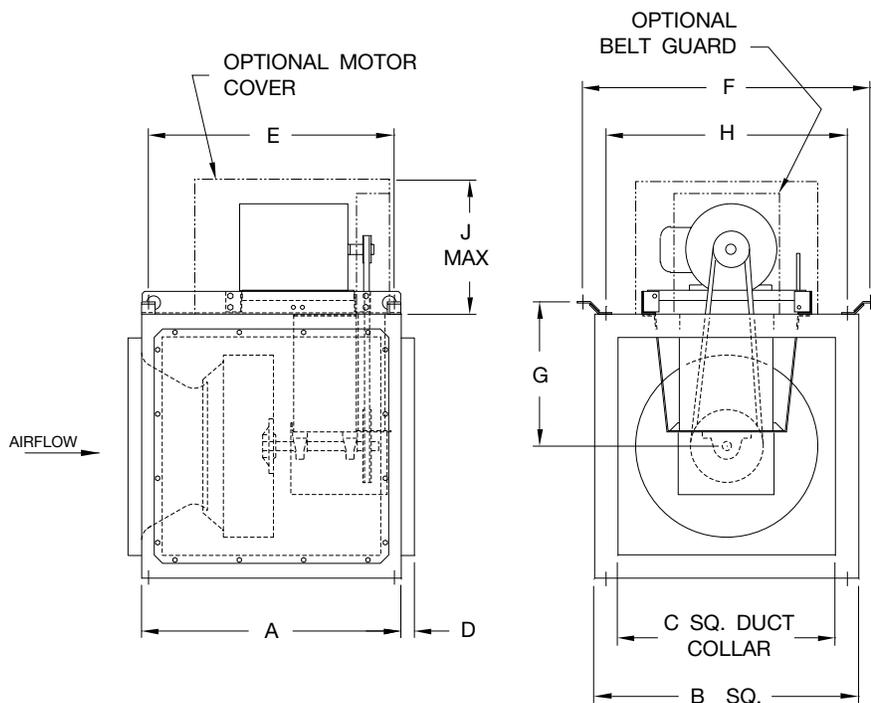
| SIZE | A SQ. | B | C | D | E | F | FILTER SIZE | FILTER QTY. | AVG. SHIP WT. (LBS.) |
|-----------|-------|-------|-------|-------|-------|-------|-------------|-------------|----------------------|
| 080/090 | 16.00 | 18.50 | 11.88 | 21.44 | 28.38 | 47.38 | 25x16x2 | 1 | 99 |
| 100 | 18.06 | 20.56 | 13.88 | 19.88 | 26.75 | 47.25 | 25x16x2 | 1 | 113 |
| 120/120HP | 19.62 | 22.12 | 15.88 | 24.50 | 31.38 | 52.88 | 25x16x2 | 2 | 148 |
| 135/135HP | 21.75 | 24.25 | 17.88 | 24.00 | 32.00 | 55.00 | 25x20x2 | 2 | 181 |
| 150/150HP | 23.94 | 26.44 | 19.88 | 23.75 | 32.00 | 56.00 | 25x20x2 | 2 | 200 |
| 165/165HP | 26.62 | 29.12 | 22.88 | 19.56 | 28.00 | 54.00 | 25x20x2 | 3 | 203 |
| 180/180HP | 29.12 | 31.62 | 23.88 | 19.25 | 26.50 | 55.00 | 25x20x2 | 3 | 220 |
| 210/210HP | 32.44 | 34.94 | 27.88 | 21.00 | 31.00 | 63.00 | 25x16x2 | 4 | 290 |
| 225/225HP | 34.25 | 36.75 | 29.88 | 24.00 | 33.00 | 67.00 | 25x16x2 | 6 | 397 |
| | | | | | | | 25x20x2 | 2 | |
| 245/245HP | 37.75 | 40.25 | 32.88 | 18.88 | 30.00 | 56.50 | 25x16x2 | 2 | 439 |
| | | | | | | | 25x20x2 | 2 | |
| 270/270HP | 40.25 | 42.75 | 35.88 | 23.00 | 33.00 | 72.00 | 25x20x2 | 6 | 568 |
| 300/300HP | 44.25 | 46.75 | 39.88 | 24.00 | 33.00 | 74.50 | 25x20x2 | 8 | 654 |
| 330/330HP | 48.94 | 51.44 | 43.88 | 23.50 | 34.00 | 79.50 | 25x16x2 | 12 | 842 |
| 365/365HP | 50.25 | 52.75 | 45.88 | 19.75 | 30.50 | 77.38 | 25x20x2 | 12 | 850 |
| | | | | | | | 25x16x2 | 6 | |
| 402/402HP | 55.50 | 58.00 | 51.88 | 24.75 | 36.00 | 88.00 | 25x20x2 | 12 | 1150 |
| | | | | | | | 25x16x2 | 6 | |



Notes:

1. All figures are in inches unless noted otherwise.
2. Filter box option is shipped separately for field installation.
3. For filter box information, see page 7.

Belt Driven



| MODEL SCBD | A | B | C | D | E | F | G | H | J | DAMPER SIZE | AVG. SHIP WT. (LBS.) | SIDE DISCHARGE SIZE |
|-------------|-------|-------|-------|------|-------|-------|-------|-------|-------|---------------|----------------------|---------------------|
| 080A | 19.00 | 15.33 | 11.88 | 1.00 | 16.50 | 19.50 | 8.63 | 13.56 | 12.00 | 12.00 x 12.00 | 93 | 11.88 x 11.88 |
| 090A | 19.00 | 15.33 | 11.88 | 1.00 | 16.50 | 19.50 | 8.63 | 13.56 | 12.00 | 12.00 x 12.00 | 96 | 11.88 x 11.88 |
| 100A | 20.50 | 17.81 | 13.88 | 1.00 | 19.00 | 21.06 | 10.38 | 16.00 | 12.00 | 14.00 x 14.00 | 106 | 13.88 x 13.88 |
| 120A/120AHP | 21.50 | 19.38 | 15.88 | 1.00 | 20.00 | 22.06 | 11.13 | 17.00 | 12.00 | 16.00 x 16.00 | 127 | 15.88 x 15.88 |
| 135A/135AHP | 23.00 | 21.56 | 17.88 | 1.00 | 21.50 | 24.25 | 12.19 | 19.16 | 12.75 | 18.00 x 18.00 | 132 | 17.88 x 17.88 |
| 150A/150AHP | 24.00 | 23.82 | 19.88 | 1.00 | 22.50 | 26.38 | 13.29 | 21.31 | 12.75 | 20.00 x 20.00 | 157 | 19.88 x 19.88 |
| 165A/165AHP | 26.00 | 26.50 | 22.88 | 1.00 | 24.50 | 29.06 | 14.64 | 24.00 | 14.56 | 23.00 x 23.00 | 167 | 22.88 x 22.88 |
| 180A/180AHP | 28.50 | 29.00 | 23.88 | 1.50 | 27.00 | 31.56 | 15.89 | 26.50 | 16.25 | 24.00 x 24.00 | 193 | 23.88 x 23.88 |
| 210A/210AHP | 32.00 | 32.34 | 27.88 | 1.50 | 30.50 | 35.06 | 17.54 | 30.00 | 16.25 | 28.00 x 28.00 | 223 | 27.88 x 27.88 |
| 225A/225AHP | 34.00 | 34.00 | 29.88 | 1.50 | 32.50 | 36.89 | 18.45 | 31.81 | 18.50 | 30.00 x 30.00 | 287 | 25.88 x 28.88 |
| 245A/245AHP | 36.50 | 37.50 | 32.88 | 1.50 | 35.00 | 40.38 | 20.20 | 35.31 | 18.50 | 33.00 x 33.00 | 352 | 27.88 x 31.88 |
| 270A/270AHP | 39.00 | 40.13 | 35.88 | 1.50 | 37.50 | 43.00 | 21.45 | 37.88 | 20.00 | 36.00 x 36.00 | 394 | 29.88 x 33.88 |
| 300A/300AHP | 41.50 | 44.13 | 39.88 | 1.50 | 39.50 | 47.62 | 23.83 | 41.88 | 20.00 | 40.00 x 40.00 | 442 | 29.88 x 37.88 |
| 330A/330AHP | 45.50 | 48.81 | 43.88 | 1.50 | 43.50 | 52.31 | 26.19 | 46.56 | 20.00 | 44.00 x 44.00 | 554 | 31.88 x 39.88 |
| 365A/365AHP | 48.50 | 50.13 | 45.88 | 1.50 | 46.50 | 53.63 | 26.84 | 47.88 | 20.00 | 46.00 x 46.00 | 665 | 32.88 x 41.88 |
| 402A/402AHP | 52.00 | 55.25 | 51.88 | 1.50 | 50.00 | 58.88 | 29.47 | 53.13 | 20.00 | 52.00 x 52.00 | 743 | 34.88 x 46.88 |

R-1002404

Notes:

1. All figures are in inches unless noted otherwise.
2. Average ship weight is for fan and motor assembly.
3. Dimensions are not to be used for construction.





Model SCDD

Supply or exhaust fans shall be of the direct drive Model SCDD centrifugal square inline type, as manufactured by Aerovent, Minneapolis, Minnesota.

PERFORMANCE — Performance ratings shall conform to AMCA Standard 205 (fan efficiency grade), 211 (air performance) and 311 (sound performance). Fans shall be tested in accordance with ANSI/AMCA Standard 210 (air performance) and 300 (sound performance) in an AMCA accredited laboratory. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air, and fan efficiency grade (FEG). Model SCDD shall be UL 705 listed.

CONSTRUCTION — Unit exterior shall be constructed of heavy gauge galvanized steel. The fan housing shall be square in shape and readily attachable to building ductwork. Unit side panels shall be removable for easy access for maintenance and service. The power assembly shall be removable as a complete module through the side access panel. Fan housings shall have universal mounting brackets to accommodate horizontal or vertical installations. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

IMPELLER — Fan impellers shall be of the non-overloading centrifugal backward inclined type, constructed of aluminum and containing a matching inlet venturi for optimum unit performance. Impellers shall be statically and dynamically balanced.

MOTOR — Motors shall be of the heavy-duty ball bearing type, closely matched to the fan load. A disconnect switch shall be factory installed and wired to the fan motor as standard. All motors shall be UL recognized.

ACCESSORIES — When specified, accessories such as backdraft damper, belt guard, motor cover, insulated housing, vibration isolators, side discharge, remote lubrication lines, inlet and outlet guards, special coatings and filter box option 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 impeller 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. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its SCDD Square Inline Fans for at least one (1) year from startup or eighteen (18) months from ship date, whichever occurs first.



Model

SCBD



Supply or exhaust fans shall be of the belt driven Model SCBD centrifugal square inline type, as manufactured by Aerovent, Minneapolis, Minnesota.

PERFORMANCE — Performance ratings shall conform to AMCA Standard 205 (fan efficiency grade), 211 (air performance) and 311 (sound performance). Fans shall be tested in accordance with ANSI/AMCA Standard 210 (air performance) and 300 (sound performance) in an AMCA accredited laboratory. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air, and fan efficiency grade (FEG). Model SCBD shall be UL 705 listed. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

CONSTRUCTION — Unit exterior shall be constructed of heavy gauge galvanized steel. The fan housing shall be square in shape and readily attachable to building ductwork. Unit side panels shall be removable for easy access for maintenance and service. The power assembly shall be removable as a complete module through the side access panel. Fan housings shall have universal mounting brackets to accommodate horizontal or vertical installations.

IMPELLER — Fan impellers shall be of the non-overloading centrifugal backward inclined type, constructed of aluminum and containing a matching inlet venturi for optimum unit performance. Impellers 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 — Drives shall be sized for a minimum of 150% of driven horsepower. Machined, cast iron motor sheaves shall be adjustable for final system balancing. The belt and pillow block ball bearings shall be protected from the airstream by an enclosure.

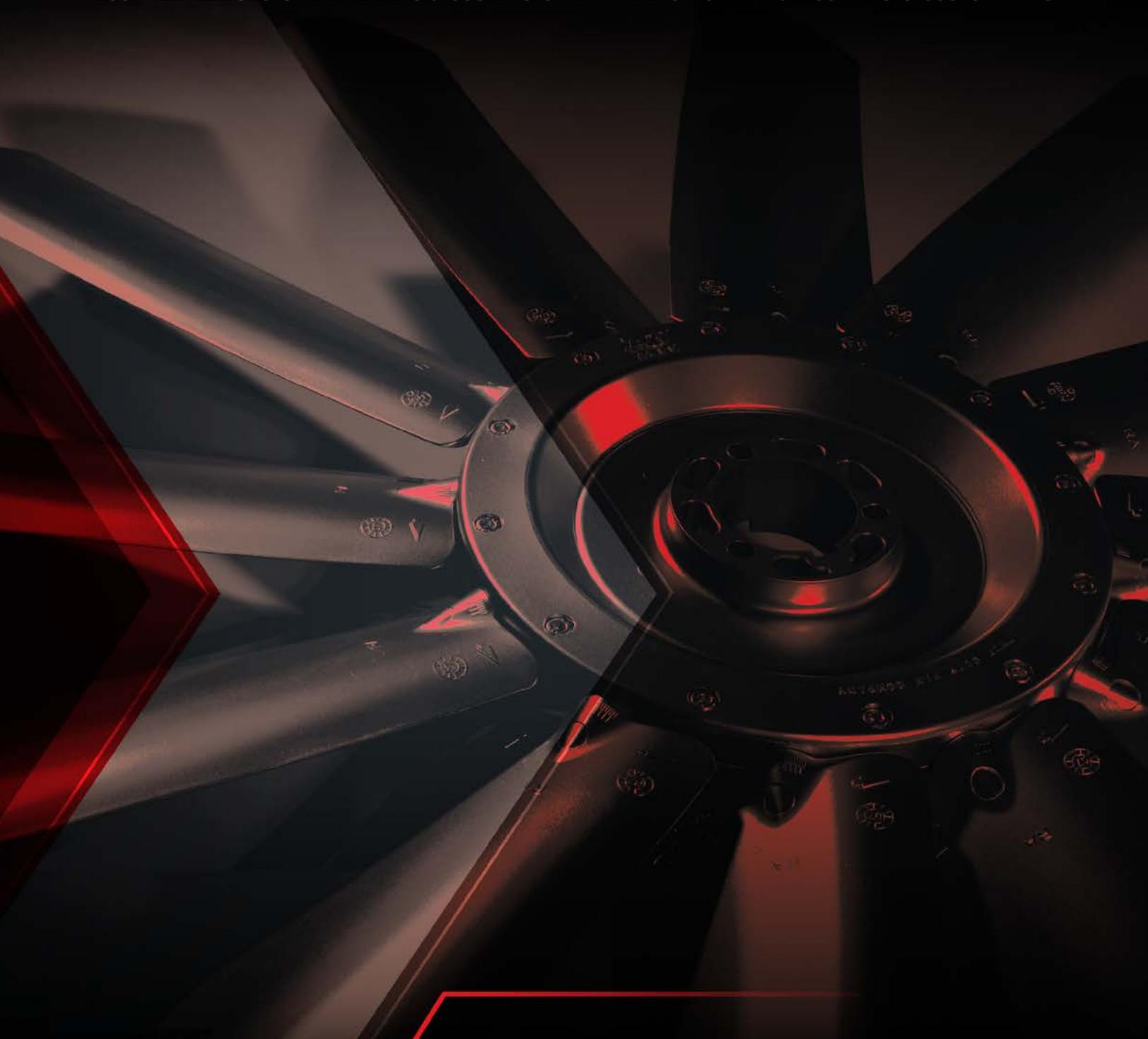
MOTOR — Motors shall be of the heavy-duty ball bearing type, closely matched to the fan load. A disconnect switch shall be factory installed and wired to the fan motor as standard. Motor shall be mounted on the outside of the unit, isolated from the airstream. All motors shall be UL recognized.

ACCESSORIES — When specified, accessories such as backdraft damper, belt guard, motor cover, insulated housing, vibration isolators, side discharge, remote lubrication lines, inlet and outlet guards, special coatings and filter box option 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 impeller 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 SCBD Square Inline Fans for at least one (1) year from startup or eighteen (18) months from ship date, whichever occurs first.

**WALL MOUNTED FANS | TUBEAXIAL & VANEAXIAL FANS | CENTRIFUGAL FANS & BLOWERS
ROOF VENTILATORS | AIR HEATERS & COOLERS | AIR MAKE-UP | FIBERGLASS FANS | CUSTOM FANS**



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