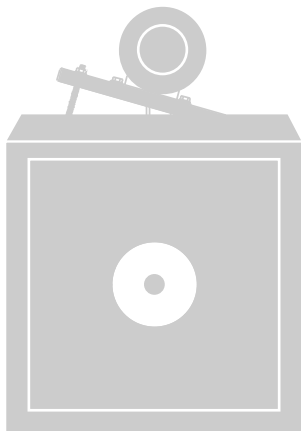


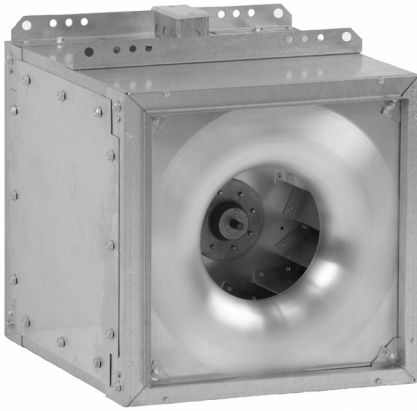
SQN

SQN

Centrifugal Square Inline Fan Multi-Directional Discharge



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SQN-D / SQND-EC



SQN-B / SQN-HP

COOK's SQN is the most versatile square inline fan in the industry.

- The shortest depth of any available square inline fan.
- **Standard universal mounting feet:** Allow the customer to have total control of the fan's installation without the need to purchase any mounting accessories.
- **Three access doors:** Allow total access to the fans internal components in any vertical or horizontal mounting installation.
- **Side discharge options:** Reduce installation costs, pressure loss, system effect and space requirements. See page 10.
- Licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance.

SQN-D

Standard

- Wheel Sizes: 7 - 16.5"
- Capacity: 30 - 4,300 CFM
- Static Pressure: 0 - 2"

SQND-EC

- Electronically commutated "EC" motors
- Wheel Sizes: 7 - 13.5"
- Capacity: 50 - 2,500 CFM
- Static Pressure: 0 - 1.25"

SQN-B

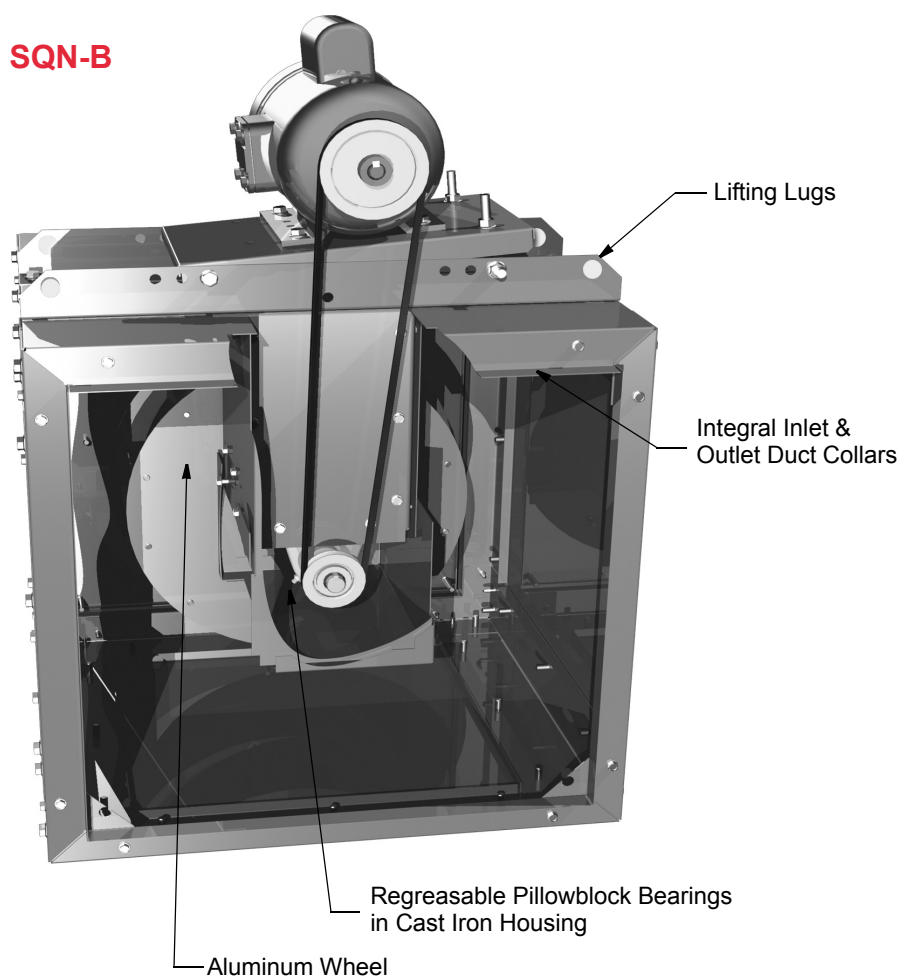
Standard

- Wheel Sizes: 10 - 40.2"
- Capacity: 35 - 26,000 CFM
- Static Pressure: 0.125 - 3"

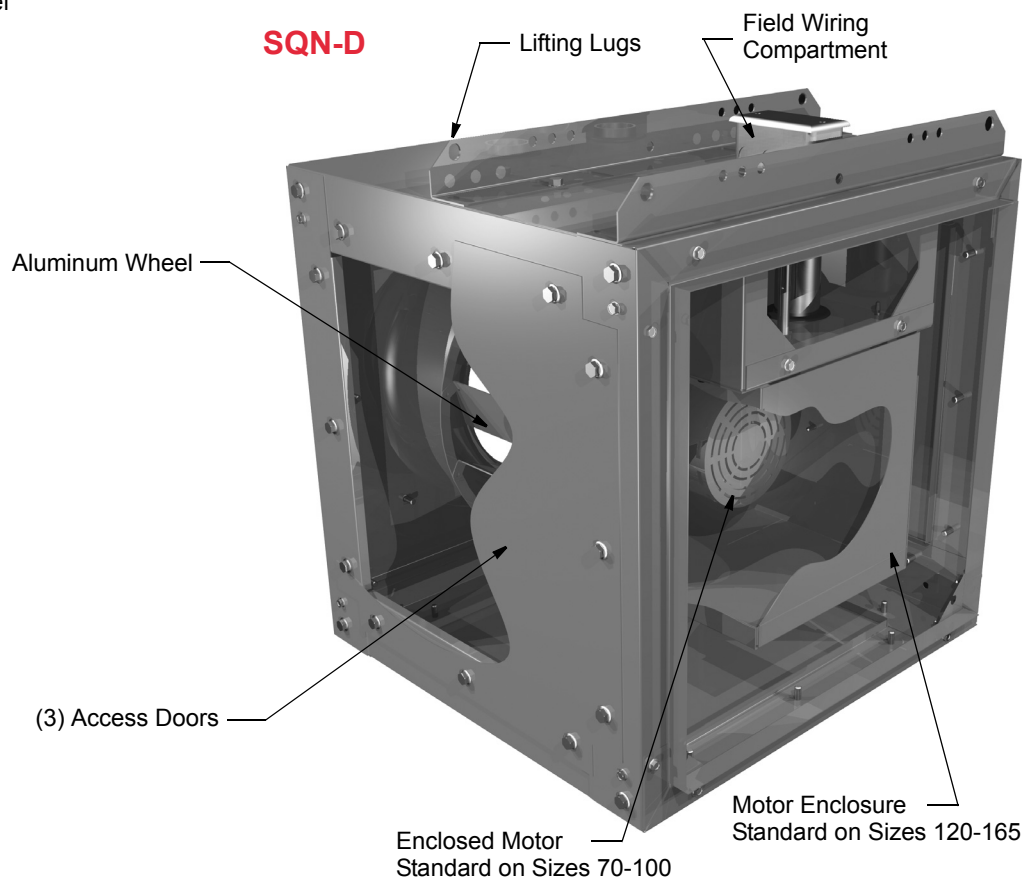
High Pressure (SQN-HP)

- Wheel Sizes: 13.5 - 40.2"
- Capacity: 1,000 - 22,600 CFM
- Static Pressure: 0.25 - 5"

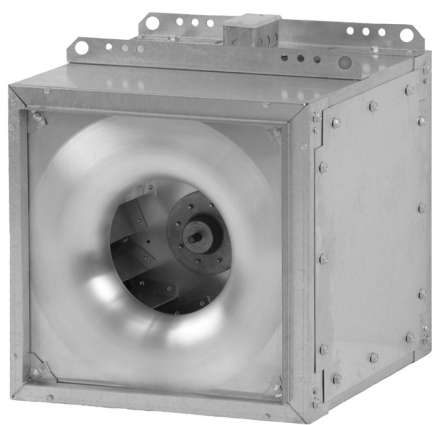
SQN-B



SQN-D



Direct Drive

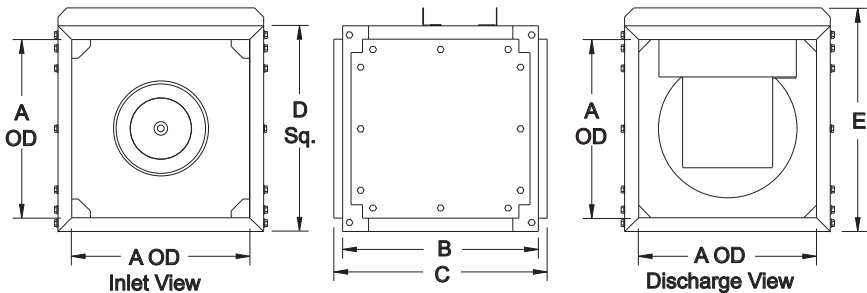


Loren Cook Company certifies that the SQN-D & SQND-EC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Type SQN-D & SQND-EC are furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

- Description:** Fan shall be duct mounted, direct driven centrifugal square inline.
- Certifications:** Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (CSA Standard 113 - M1984). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.
- Construction:** The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with integral duct collars. Bolted access doors shall be provided on three sides, sealed with closed cell neoprene gasketing. Housing shall be pre-drilled to accommodate universal mounting feet for vertical or horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.
- Wheel:** Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. An aerodynamic aluminum inlet cone shall be provided for maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.
- Motor:** Motor shall be heavy duty type with permanently lubricated sealed bearings and furnished at the specified voltage, phase and enclosure.
- Motor (SQN-D):** Motor shall be NEMA design B with a minimum of class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.
- Motor (SQND-EC):** Motor shall be an electronically commutated motor rated for continuous duty and furnished either with internally mounted potentiometer speed controller or with leads for connection to 0-10 VDC external controller.
- Product:** Fan shall be model SQN-D or SQND-EC as manufactured by Loren Cook Company of Springfield, Missouri.



Dimensions

Size	A	B	C	D Sq.	E	Inlet and Rear Discharge Duct Size (ID)	Optional Side Discharge Duct Size (WxH) (ID)	Approx. Shipping Weight
70	10	12	14	12	13-9/16	10 sq.	6-1/8 x 6-15/16	70
90	12	15	17	14	15-9/16	12 sq.	9-1/8 x 8-15/16	90
100	12	20	22	14	15-9/16	12 sq.	14-1/8 x 8-15/16	100
120	16	20	22	18-7/16	20	16 sq.	14-1/8 x 12-9/16	125
135	18	20-1/4	22-1/4	20-3/4	22-5/16	18 sq.	14-1/4 x 13-1/8	150
150	20	21-7/8	23-7/8	23	25-1/16	20 sq.	15-15/16 x 16-1/8	175
165	22	25	27	25-5/16	27-3/8	22 sq.	19-1/8 x 18-1/8	200

All dimensions in inches. Weights in pounds, including motor.

Belt Drive

Description: Fan shall be duct mounted, belt driven centrifugal square inline.

Certifications: Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (CSA Standard 113 - M1984). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction: The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with integral duct collars. Bolted access doors shall be provided on three sides, sealed with closed cell neoprene gasketing. Pivoting motor plate shall utilize threaded L-bolt design for positive belt tensioning. Housing shall be pre-drilled to accommodate universal mounting feet for vertical or horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel: Wheel shall be centrifugal backward inclined, constructed of 100% aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor: Motor shall be NEMA design B with class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.

Bearings: Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a pillowblock cast iron housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives: Belts shall be oil and heat resistant, static conducting. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150% of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

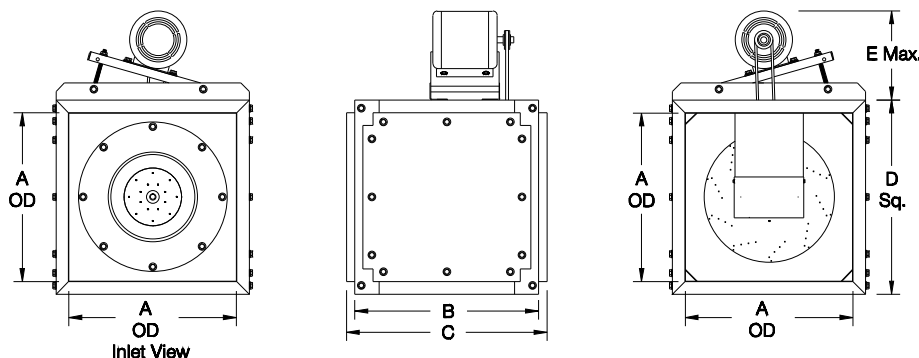
Product: Fan shall be model SQN-B as manufactured by Loren Cook Company of Springfield, Missouri.



Loren Cook Company certifies that the SQN-B shown herein is 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.



Type SQN-B is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Dimensions

Size	A	B	C	D Sq.	E	Inlet and Rear Discharge Duct Size (ID)	Optional Side Discharge Duct Size (WxH) (ID)	Max. Mtr. Frame Size	Approx. Shipping Weight
60	12	20	22	14	12-1/2	12 sq.	14-1/8 x 8-15/16	143T	80
70	12	20	22	14	12-1/2	12 sq.	14-1/8 x 8-15/16	143T	80
80	12	20	22	14	12-1/2	12 sq.	14-1/8 x 8-15/16	143T	80
100	12	20	22	14	12-1/2	12 sq.	14-1/8 x 8-15/16	143T	80
120	16	20	22	18-7/16	12-1/2	16 sq.	14-1/8 x 12-9/16	145T	100
135	18	20-1/4	22-1/4	20-3/4	12-1/2	18 sq.	14-1/4 x 13-1/8	145T	125
150	20	21-7/8	23-7/8	23	12-3/4	20 sq.	15-15/16 x 16-1/8	145T	150
165	22	25	27	25-5/16	14-3/4	22 sq.	19-1/8 x 18-1/8	182T	175
180	24	28	30	27-5/8	14-3/4	24 sq.	21 x 20-1/8	182T	200
195	26	30-1/4	32-1/4	29-15/16	15	26 sq.	23-1/4 x 22-1/8	182T	225
210	28	32	35	31-1/4	15	28 sq.	24-1/2 x 24-1/8	182T	250
225	30	34-1/4	37-1/4	33-1/2	15-1/4	30 sq.	26-3/4 x 26-1/8	184T	300
245	33	34	38	36	17-1/4	33 sq.	26-1/16 x 29-1/8	213T	350
270	36-7/16	37-1/2	41-1/2	39-11/16	17-1/4	36-7/16 sq.	29-11/16 x 32-1/2	213T	400
300	40	38	42	44	17-1/4	40 sq.	30-1/8 x 36-1/8	213T	450
330	44	41-3/4	45-3/4	48-7/16	17-1/4	44 sq.	31-3/16 x 40-1/8	215T	500
365	46	42	46	50	17-1/4	46 sq.	32-3/16 x 42-1/16	215T	550
402	50-3/4	46-1/4	50-1/4	55-1/8	17-1/4	50-3/4 sq.	36-5/16 x 46-15/16	215T	650

All dimensions in inches. Weights in pounds, less motor and drives.

Belt Drive High Pressure



Loren Cook Company certifies that the SQN-HP shown herein is 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.



Type SQN-HP is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Description: Fan shall be duct mounted, belt driven, high pressure centrifugal square inline.

Certifications: Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (CSA Standard 113 - M1984). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction: The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with integral duct collars. Bolted access doors shall be provided on three sides, sealed with closed cell neoprene gasketing. Pivoting motor plate shall utilize threaded L-bolt design for positive belt tensioning. Housing shall be pre-drilled to accommodate universal mounting feet for vertical or horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

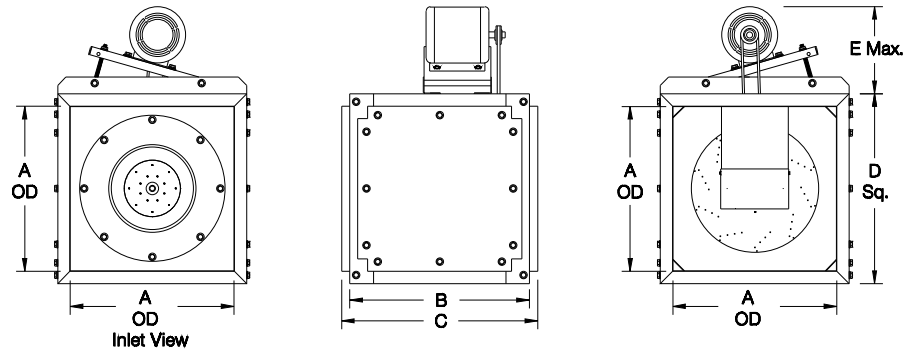
Wheel: Wheel shall be high pressure centrifugal backward inclined, constructed of 100% aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor: Motor shall be Nema design B with class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.

Bearings: Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a pillowblock cast iron housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives: Belts shall be oil and heat resistant, static conducting. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150% of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product: Fan shall be model SQN-HP as manufactured by Loren Cook Company of Springfield, Missouri.



Dimensions

Size	A	B	C	D	E	Inlet and Rear Discharge Duct Size (ID)	Optional Side Discharge Duct Size (WxH) (ID)	Max.Motor Frame Size	Approx. Shipping Weight
135	18	20-1/4	22-1/4	20-3/4	12-1/2	18 sq.	14-1/4 x 13-1/8	145T	125
150	20	21-7/8	23-7/8	23	12-3/4	20 sq.	15-15/16 x 16-1/8	145T	150
165	22	25	27	25-5/16	14-3/4	22 sq.	19-1/8 x 18-1/8	182T	175
180	24	28	30	27-5/8	14-3/4	24 sq.	21 x 20-1/8	182T	200
195	26	30-1/4	32-1/4	29-15/16	15	26 sq.	23-1/4 x 22-1/8	182T	225
210	28	32	35	31-1/4	15	28 sq.	24-1/2 x 24-1/8	182T	250
225	30	34-1/4	37-1/4	33-1/2	15-1/4	30 sq.	26-3/4 x 26-1/8	184T	300
245	33	34	38	36	17-1/4	33 sq.	26-1/16 x 29-1/8	213T	350
270	36-7/16	37-1/2	41-1/2	39-11/16	17-1/4	36-7/16 sq.	29-11/16 x 32-1/2	213T	400
300	40	38	42	44	17-1/4	40 sq.	30-1/8 x 36-1/8	213T	450
330	44	41-3/4	45-3/4	48-7/16	17-1/4	44 sq.	31-13/16 x 40-1/8	215T	500
365	46	42	46	50	17-1/4	46 sq.	32-3/16 x 42-1/16	215T	550
402	50-3/4	46-1/4	50-1/4	55-1/8	17-1/4	50-3/4 sq.	36-5/16 x 46-15/16	254T	650

All dimensions in inches. Weights in pounds, less motor and drives.

Motors

Direct Drive

All direct drive motors are standard single phase 115-volt.

- Sizes 70 through 100 are either shaded pole or permanent split capacitor type motors.
- Sizes 120 through 165 are either permanent split capacitor (10750 RPM motors) or split phase (1725 RPM motors).
- FSC can only be used on either shaded pole or permanent split capacitor type motors.

Optional motors:

- Two speed, single-phase open motors supplied as 1725 RPM motors are 1725/1140.
- Explosion proof motors are available for some units, contact factory for details.
- These optional motors cannot use an FSC.

EC Motors

Electronically Commutated (EC) Motors offer significantly improved energy efficiency and controllability over traditional fractional HP motors. The EC motor is offered in 1/4, 1/2 and 3/4 HP sizes for 120v, single phase applications and has an adjustable speed range of 500 to 1725 rpm. Two control options are available for each motor. The "Motor Mounted Speed Control" version includes an integral potentiometer mounted on the exterior of the motor for adjusting the motor speed. A screwdriver is used for adjustment. The "External Signal Speed Control" version requires a 0-10 VDC control signal to adjust the speed of the motor as well as a 24 VAC power source to operate the motor control circuit (a 24v transformer is included with the fan to power the motor control circuit). The motor will operate from 2-10 VDC and will turn off when the control signal is below 1.9 VDC.

Belt Drive

Single-phase motors:

- Open drip motors from 1/6 to 1-1/2 HP.
- Two-speed, motors in 1725/1140 RPM, from 1/6 to 1 HP.
- TEFC and Class 1, Group D, explosion proof motors from 1/4 to 1 HP.

Three-phase motors:

- Three-phase ODP motors from 1/4 to 15 HP.
- Two-speed, two winding motors in 1725/1140 RPM, from 1/3 to 5 HP.
- TEFC and Class 1, Group D, explosion proof motors from 1/4 to 10 HP.
- Variable Frequency Drive (VFD) compatible motors are available, contact factory for details.

All single-phase and three-phase, single speed, open drip motors listed in the performance tables are shipped factory installed.

Fan Controls

Fan Speed Control

Cook's FSC is a variable speed controller which can offer excellent energy conservation and lower sound levels when 100 percent of a direct drive fan operating capacity is not required. The FSC employs solid state circuitry for long life and dependability. The FSC is available only on 115V and 230V shaded pole or permanent split capacitor direct drive motors and is not available on 1140 RPM and 1725 RPM motors. The FSC is normally shipped loose for field installation. Optional pre-wiring is available.



5 AMP FSC

10 AMP FSC

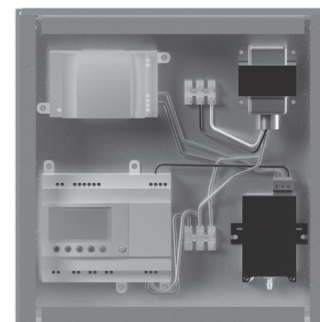
Fan Speed Control for EC Motors

External Speed Control for the Cook EC Motor allows the fan speed to be adjusted remotely via an easy to read dial. The controller allows for adjustment from 20-100% of the fan speed. The controller works with the external signal version of the Cook EC Motor and requires 24 VAC power for operation.



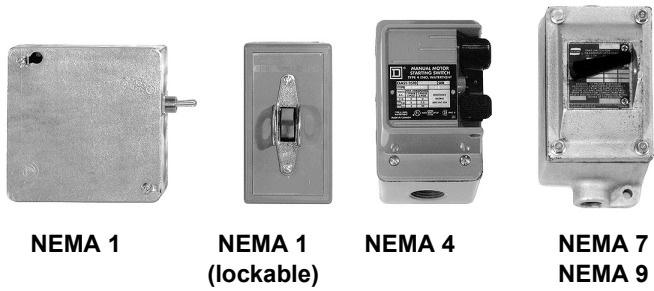
Pressure Control for EC Motors

Constant pressure controller for the Cook EC Motor is for applications where the fan is intended to maintain a near constant pressure in a system such as dryer vents. The pressure controller reads the pressure in a duct system via the provided pressure transducer and automatically adjusts the fan rpm to maintain a preset value. The controller works with the external signal version of the Cook EC Motor and is shipped loose for field installation.



Disconnect Switches

- NEMA 1:** Indoor general purpose.
- NEMA 1 (Lockable):** Indoor general purpose with locking capability.
- NEMA 4:** Watertight and dust-tight.
- NEMA 7 and NEMA 9:** Lockable, indoor, explosion proof.



Coatings

- LorenizedTM** is an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Coating must exceed 1,000 hour salt spray under ASTM B117 test method.
- Cook Epoxy Powder** is an electrostatically applied, baked epoxy powder coating. Final coating thickness is 2.5 - 3.5 mils. For outdoor applications an optional UV resistant topcoat is available to prevent cosmetic chalking of the coating.
- Cook Phenolic Epoxy Powder** is an electrostatically applied, baked phenolic epoxy powder coating. Final coating thickness is 2 - 4 mils. For outdoor applications an optional UV resistant topcoat is required to prevent deterioration of the coating.
- Cook Easy Clean Powder** is an electrostatically applied, baked modified epoxy silicone powder producing a high temperature “non-stick” coating. Final coating thickness is 1.3 - 1.7 mils.
- Air Dry Phenolic (Heresite VR-504)** is a conventional spray applied phenolic resin coating. Final coating thickness is 4 - 6 mils. For outdoor applications an optional UV resistant topcoat (Heresite UC-5500) is required to prevent deterioration of the coating.
- Refer to the corrosion resistance guide in the Compute-A-Fan software for a listing of the coatings above and their resistance to a variety of chemicals. Additional special coatings are available.

[Read more in the Coating catalog](#)

Backdraft Dampers



Backdraft dampers are available in gravity operated or motorized configurations for in-duct installation. These dampers feature an extruded aluminum frame, aluminum blades and aluminum hinge pins with nylon bushings. These dampers are shipped loose for field installation.

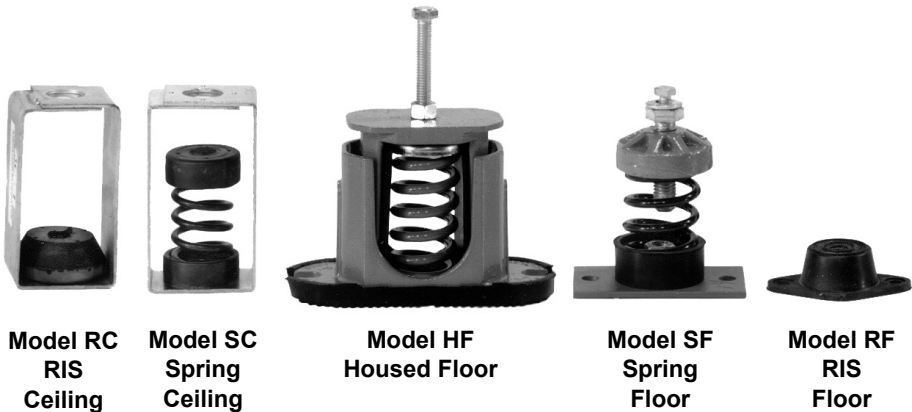


External Inlet Vane Damper

External Inlet Vane Dampers are used to provide precise air volume control while maintaining maximum efficiency and stable operation at reduced load conditions. Inlet Vane Dampers are available in aluminum or steel construction on sizes 135 through 402. These dampers are factory mounted and provided with an adjustment arm for manual or actuated control (actuator furnished by others). Cataloged performance is based on fans without inlet vane dampers.

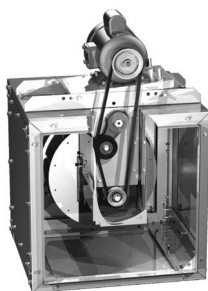
Vibration Isolators

Vibration isolation is recommended to reduce vibration and noise transmission to the floor or support structure. Isolators are available in both spring type and RIS (rubber-in-shear) type for floor or ceiling mounting. Housed spring floor isolators are also available where lateral movement must be limited. All isolators are shipped loose for field installation.



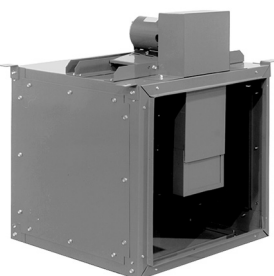
Belt Tensioner

Cook's automatic belt tensioner eliminates the need for regular manual retensioning of fan belts. The risk of inadvertently over-tensioning drive components is avoided and overall drive operating efficiency is enhanced. Available on sizes 120-402 to maintain proper belt tension.



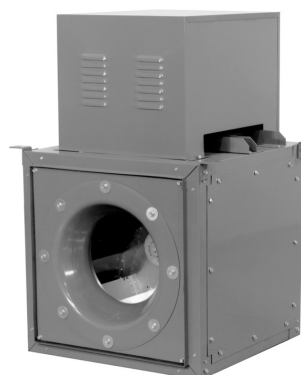
Belt Guard

Belt guards are available which cover the drive assembly on the top, front and sides. The belt guard is constructed of minimum 18 gauge galvanized steel and has an open back which allows inspection and belt tensioning without removing the guard. Belt guards are factory installed.



Motor Cover

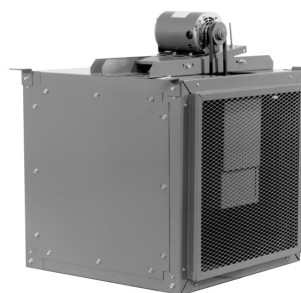
The motor cover completely encloses the motor and drive assembly and also serves as an OSHA belt guard. The motor cover is constructed of 18 gauge galvanized steel and is intended for indoor use only. Motor covers are factory installed.



Safety Screen

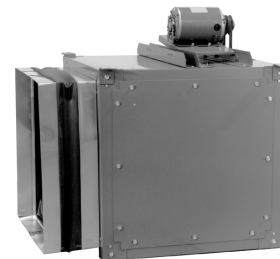
Inlet safety screens are used in non-ducted installations to protect personnel and prevent debris from entering the fan. This screen is constructed of 1/2" x 1/2" galvanized welded wire and is factory installed.

Outlet safety screen is constructed of 16 gauge 1/2" x 1" expanded metal complete with mounting frame. This assembly is Lorenized™ and factory installed.



Flex Duct Connector

Flex Duct Connectors are available for the inlet or outlet of the SQN. These connectors provide a flexible connection between the fan and the attached ductwork. This reduces the transmission of noise and vibration to the ductwork as well as allowing for slight misalignment and easy removal of the fan without disturbing the rigid ductwork. Flex Duct Connectors consist of reinforced neoprene fabric and aluminum bands.



Flanged Inlet/Outlet

Flanged Inlet or Outlet connections are available which allow for flange type duct attachment in place of the standard slip connection. This type of connection allows the fan to be removed without disturbing the surrounding ductwork. Flanges are constructed of 1-1/2"x1-1/2"x1/8" structural angle and are factory mounted.



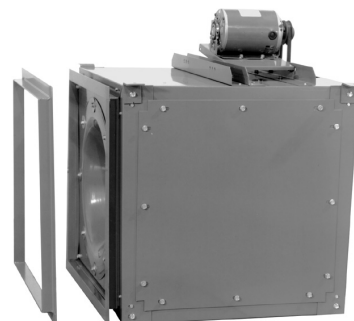
Filter Box

A Filter Box is available which attaches to the inlet side of the SQN. This filter box is constructed of minimum 18 gauge galvanized steel that incorporates a removable access panel, washable slide-out filters and integral duct collars. Disposable filters are also available.



Companion Flange

Inlet or Outlet Companion Flanges are available for use in conjunction with the optional Flanged Inlet or Outlet. The companion flange is attached to the adjacent ductwork to provide an exact mate to the flanged connection on the fan.



Additional Accessories

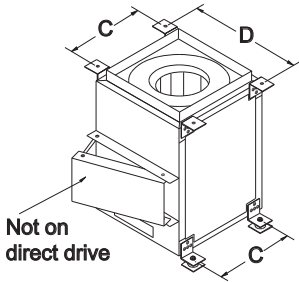
Insulated Housing: An acoustical lining is available for the interior of the SQN. This fiberglass duct liner provides a reduction in noise of approximately 3dB in each of the eight octave bands.

Aluminum Construction: All aluminum construction is available on all sizes of SQN's.

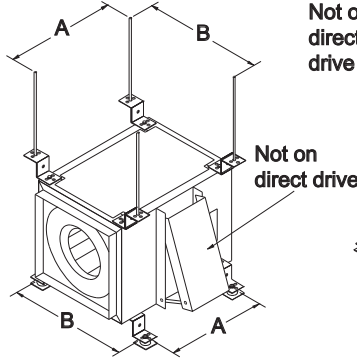
ACCESSORIES

Universal Mounting

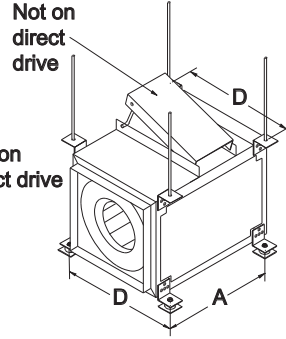
The SQN is provided with universal mounting feet for installation in any horizontal or vertical position. These feet are shipped loose for field installation in the desired location. The mounting feet are attached utilizing existing bolts in the fan. See the adjacent drawings for typical positions and dimensions.



**Vertical Floor
or Ceiling**



**Horizontal Floor or
Ceiling - Motor on side**



**Horizontal Floor or Ceiling -
Motor on top or bottom**

SQN-B

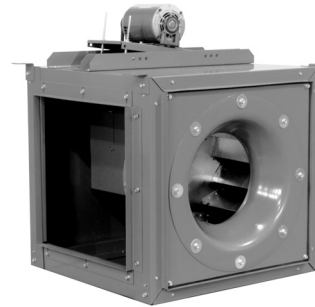
Size	A	B	C	D
60	17-15/16	17-11/16	11-15/16	17
70	17-15/16	17-11/16	11-15/16	17
80	17-15/16	17-11/16	11-15/16	17
100	17-15/16	17-11/16	11-15/16	17
120	17-15/16	22-1/8	16-3/8	21-7/16
135	18-1/8	24-3/8	18-5/8	23-3/4
150	19-3/4	26-1/16	20-15/16	25-3/4
165	22-15/16	28-3/8	23-1/4	28-1/16
180	25-7/8	30-5/8	25-1/2	30-3/8
195	28-1/8	33-1/16	27-15/16	32-11/16
210	29-7/8	35	29-1/4	34
225	32-1/8	36-5/8	31-1/2	36-1/4
245	30-3/8	41	32-3/4	40-3/8
270	33-7/8	44-11/16	36-7/16	44-1/16
300	34-3/8	49	40-3/4	48-3/8
330	38-1/8	53-1/8	45-1/8	52-13/16
365	38-3/8	55	46-3/4	54-3/8
402	42-5/8	60-1/8	51-7/8	59-1/2

All dimensions in inches.

Side Discharge

Single

The Single Side Discharge Package consists of a side duct connection collar and a rear discharge block-off panel. This configuration allows air to exit from any one of the non-motor sides of the unit and provides tremendous versatility in installation. The rear discharge block-off panel is shipped installed on the unit and the side duct connection collar is shipped loose for field installation in place of any one of the three access doors utilizing existing bolts in the fan. The tables below indicate the percent change in performance when using the side discharge option. See the following page for some examples of typical installations.



Single

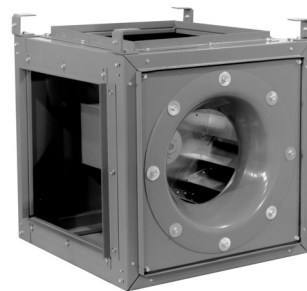
Dual

The Dual Side Discharge Package is identical to the Single Side Discharge Package with the exception that two sets of duct connection collars are provided.

Side Discharge Correction Factors

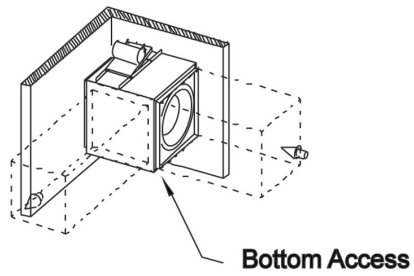
Size	SQN-B				SQN-HP				Size	SQN-D			
	Single		Dual		Single		Dual			Single		Dual	
	CFM	HP	CFM	HP	CFM	HP	CFM	HP		CFM	HP	CFM	HP
60	+3%	+3%	+3%	-3%	-3%	+5%	0%	-2%	70	-5%	+4%	+8%	+6%
70	+2%	+2%	+3%	-3%	-3%	+5%	0%	-2%	90	-4%	+3%	+8%	+5%
80	+2%	+2%	+3%	-4%	-3%	+5%	0%	-3%	100	-4%	+3%	+8%	+4%
100	+1%	+2%	+3%	-5%	-3%	+5%	0%	-3%	120	-3%	+2%	+9%	+3%
120	+1%	+1%	+4%	-6%	-2%	+4%	+1%	-4%	135	-2%	+1%	+9%	+2%
135	+1%	+1%	+4%	-7%	-2%	+4%	+1%	-4%	150	-2%	+1%	+9%	+1%
150	+1%	+1%	+4%	-9%	-1%	+2%	+1%	-4%	165	-1%	0%	+10%	0%
165	0%	0%	+4%	-10%	0%	0%	+1%	-5%					
180	0%	0%	+5%	-12%	+1%	0%	+2%	-6%					
195	+1%	0%	+5%	-12%	+1%	0%	+2%	-6%					
210	+1%	-1%	+5%	-12%	+1%	0%	+2%	-6%					
225	+2%	-1%	+6%	-12%	+1%	+1%	+3%	-7%					
245	+2%	-2%	+6%	-12%	+1%	+1%	+3%	-7%					
270	+2%	-2%	+6%	-13%	+1%	+1%	+3%	-7%					
300	+3%	-2%	+7%	-13%	+2%	+2%	+4%	-8%					
330	+3%	-2%	+7%	-13%	+2%	+2%	+4%	-8%					
365	+3%	-3%	+7%	-13%	+2%	+2%	+4%	-8%					
402	+3%	-3%	+7%	-13%	+2%	+2%	+4%	-8%					

The factors indicate the percent change in performance that will occur when using these side discharge options. AMCA certified ratings seal does not apply when these factors are used.

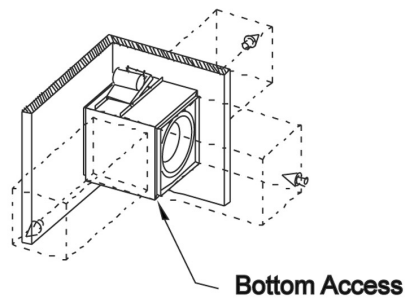


Dual

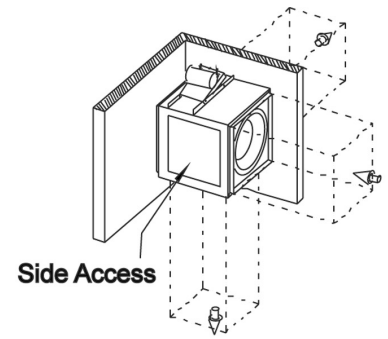
TYPICAL SIDE DISCHARGE APPLICATIONS



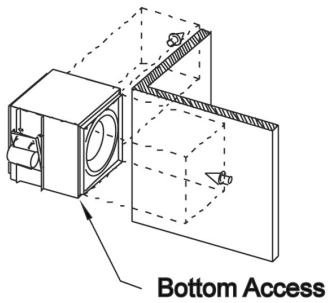
Example 1



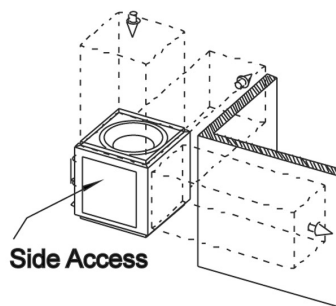
Example 2



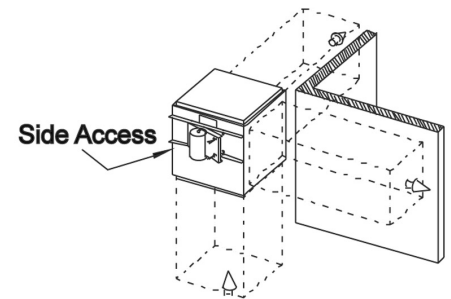
Example 3



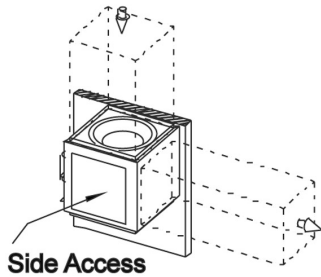
Example 4



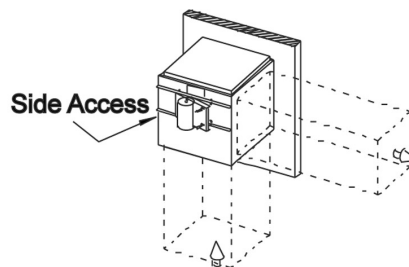
Example 5



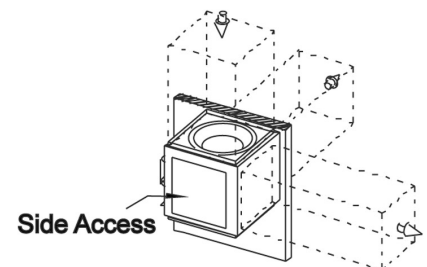
Example 6



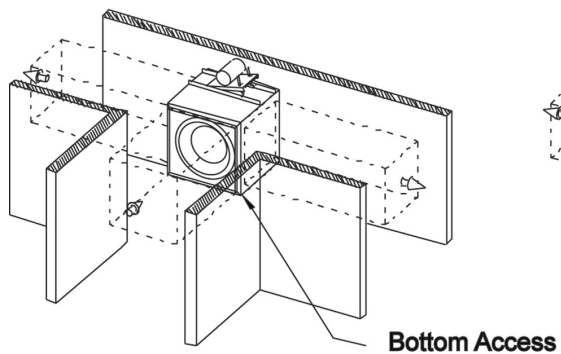
Example 7



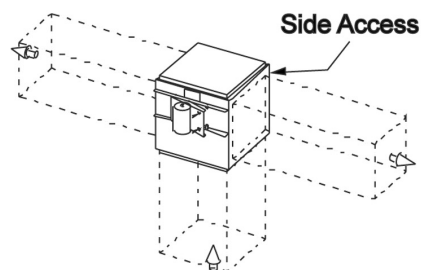
Example 8



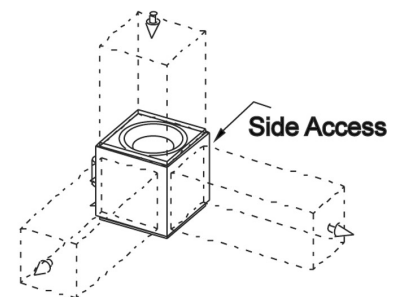
Example 9



Example 10



Example 11



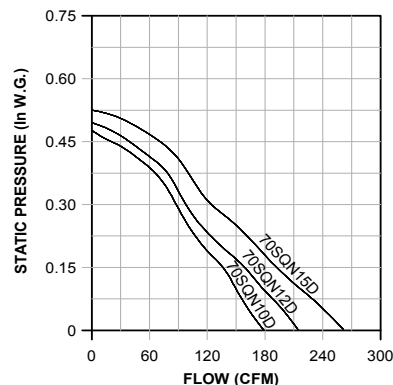
Example 12

70-165 SQN-D

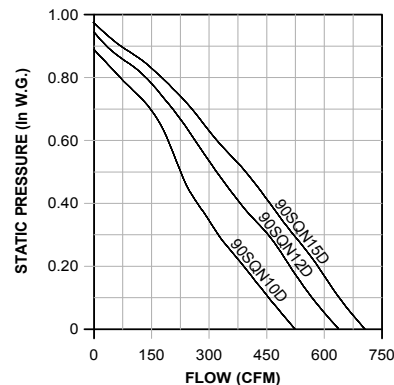
Catalog Number	Max. Watts/BHP	Nominal RPM	Motor HP	CFM vs. Static Pressure													
				0.0	0.100	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000	1.250	1.500	1.750	2.000
70SQN10D	58W	1355	1/20	179	150	144	100	66									
70SQN12D	69W	1415	1/20	214	177	168	113	78									
70SQN15D	114W	1656	1/20	261	215	202	149	100									
90SQN10D	119W	1420	1/6	524	456	439	356	284	226	184							
90SQN12D	137W	1600	1/6	637	567	552	483	396	318	249							
90SQN15D	165W	1710	1/6	708	641	626	555	475	397	305							
100SQN10D	123W	1312	1/6	696	618	597	484	385	303	240							
100SQN12D	149W	1500	1/6	859	803	788	717	640	550	419	290						
100SQN15D	181W	1677	1/6	939	894	883	833	783	716	631	487						
120SQN10D	0.115 BHP	1145	1/6	1187	1108	1089	990	858									
*120SQN17D	0.39 BHP	1725	1/2	1776	1725	1712	1648	1586	1524	1456	1373	1278	1187				
135SQN10D	0.157 BHP	1102	1/6	1582	1443	1411	1273	1149	1004								
*135SQN17D	0.62 BHP	1725	3/4	2425	2365	2350	2276	2203	2133	2065	1999	1935	1871	1725			
150SQN10D	0.294 BHP	1103	1/3	2225	2111	2082	1930	1771	1613	1447							
*150SQN17D	1.15 BHP	1725	1	3421	3350	3332	3242	3151	3059	2966	2873	2781	2691	2511	2322		
165SQN10D	0.468 BHP	1114	1/2	2865	2756	2728	2594	2464	2330	2181	2016	1816					
*165SQN17D	1.81 BHP	1725	2	4381	4317	4301	4222	4143	4065	3989	3913	3839	3764	3608	3436	3243	3024

Performance certified is for Installation Type B: Free inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). *These fans cannot be used with FSC speed controller.

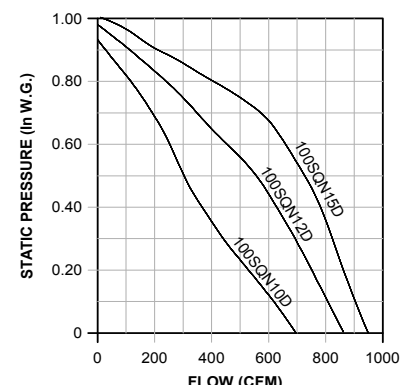
70SQN10D, 70SQN12D, 70SQN15D



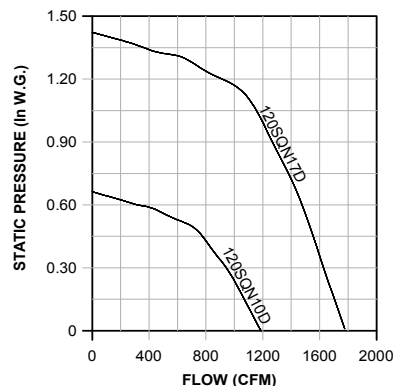
90SQN10D, 90SQN12D, 90SQN15D



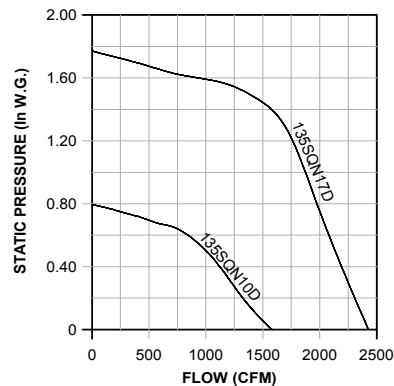
100SQN10D, 100SQN12D, 100SQN15D



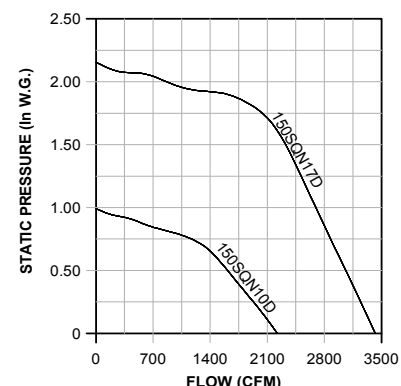
120SQN10D, 120SQN17D



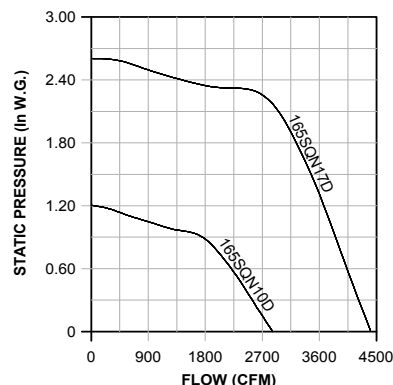
135SQN10D, 135SQN17D



150SQN10D, 150SQN17D



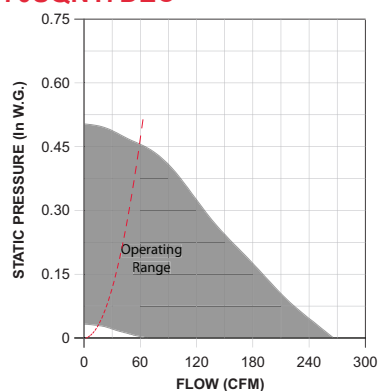
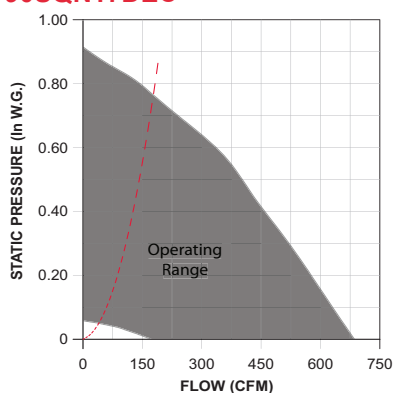
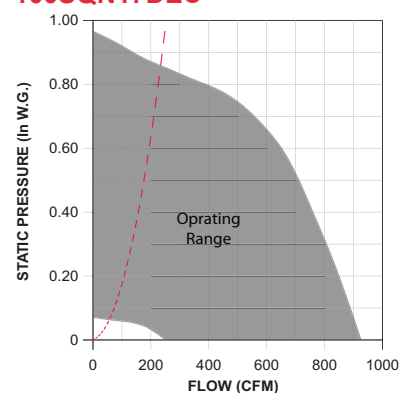
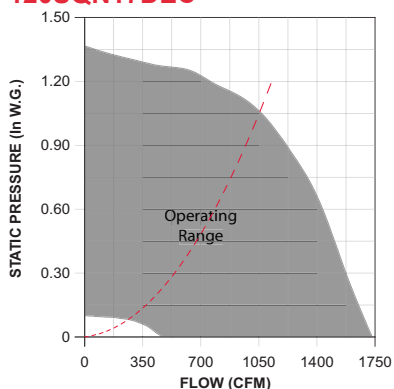
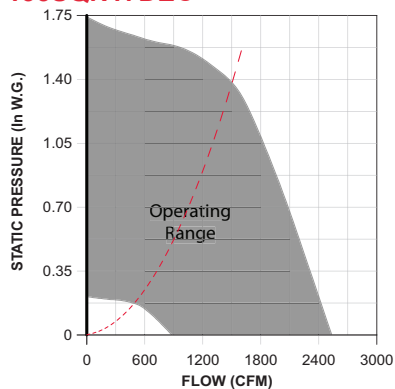
165SQN10D, 165SQN17D



70-135 SQND-EC

Catalog Number	HP	Fan RPM	Tip Speed FPM	Max Watts	CFM vs. Static Pressure										
					0.0	0.100	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000	1.250
70SQN17DEC	1/4	432	791	5	67										
		863	1581	12	133	47									
		1294	2371	25	200	135	120	53							
		1725	3160	49	266	212	201	147	103						
90SQN17DEC	1/4	432	1017	6	172										
		863	2033	22	343	230	202								
		1294	3048	50	515	442	424	325	206						
		1725	4064	129	686	631	613	550	475	403	315				
100SQN17DEC	1/4	462	1209	6	243										
		883	2311	24	474	394	370								
		1304	3413	62	700	650	637	561	456						
		1725	4516	134	926	889	880	829	772	712	632	495			
120SQN17DEC	1/2	462	1451	11	464										
		883	2774	54	887	787	764	593							
		1304	4096	158	1310	1238	1221	1143	1061	936					
		1725	5419	354	1733	1677	1664	1599	1540	1483	1421	1342	1239	1123	
135SQN17DEC	3/4	600	2120	35	881	694	640								
		975	3445	123	1432	1319	1291	1145	977						
		1350	4771	309	1983	1901	1881	1778	1675	1567	1448	1319	1103		
		1725	6096	630	2534	2470	2454	2374	2294	2213	2132	2048	1960	1866	1663

Performance certified is for Installation Type B: Free inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

70SQN17DEC**90SQN17DEC****100SQN17DEC****120SQN17DEC****135SQN17DEC**

Do not select left of the dotted line

SQN-B 60 Data

Wheel Diameter: 10"

Tip Speed (FPM) = 2.62 x RPM

60 SQN-B Max. HP = 0.015 x (RPM/1000)³

70 SQN-B Max. HP = 0.017 x (RPM/1000)³

Outlet Area = 1.00 FT²

Outlet Velocity (FPM) = CFM/1.00

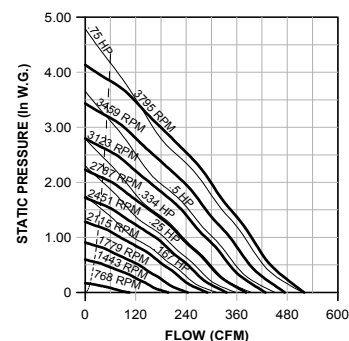
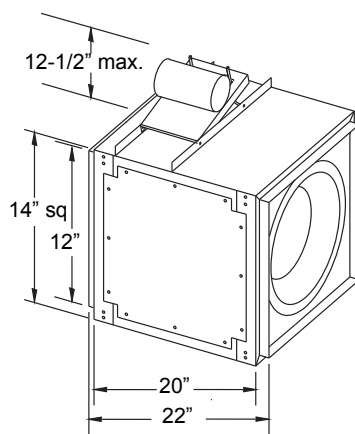
Max. Motor Frame Size: 143T

1140 Motor Requirements:

1200 and lower RPM

3450 Motor Requirements:

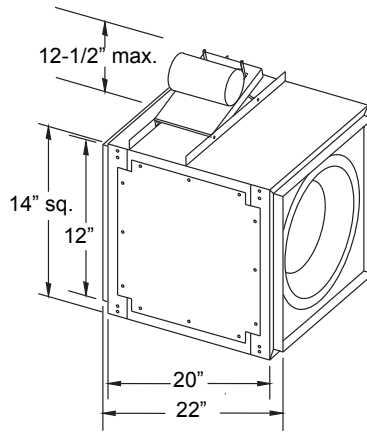
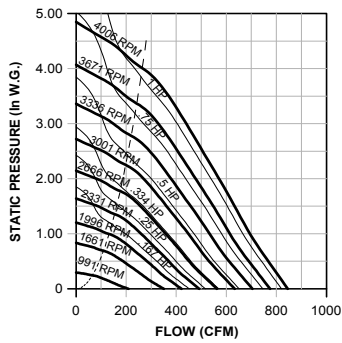
2500 and greater RPM



60 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
35	35	768	.01	1030	.01	1403	.04	1697	.06	1946	.09								
55	55	849	.01	1108	.02	1479	.05	1761	.07	2002	.11	2414	.18	2766	.27	3077	.36	3359	.47
75	75	952	.01	1189	.03	1556	.06	1841	.09	2080	.12	2481	.20	2822	.29	3128	.40	3406	.50
95	95	1069	.02	1283	.03	1636	.07	1918	.11	2158	.15	2560	.23	2897	.33	3195	.44	3467	.55
115	115	1182	.02	1399	.04	1719	.08	1998	.12	2236	.17	2638	.27	2977	.37	3274	.48	3543	.60
135	135	1310	.03	1516	.05	1817	.09	2081	.14	2316	.19	2715	.30	3055	.42	3354	.54	3623	.66
155	155	1448	.05	1627	.06	1933	.11	2171	.15	2399	.21	2795	.33	3132	.46	3431	.59	3701	.73
175	175	1587	.06	1749	.08	2052	.13	2280	.18	2488	.23	2877	.36	3211	.50	3508	.65	3778	.80
195	195	1726	.08	1880	.10	2166	.15	2398	.21	2592	.26	2960	.39	3292	.54	3587	.70		
215	215	1863	.10	2018	.12	2277	.18	2518	.24	2709	.30	3051	.43	3375	.58	3669	.74		
235	235	1998	.12	2157	.15	2395	.21	2632	.27	2828	.34	3154	.47	3461	.62	3751	.79		
255	255	2132	.15	2296	.18	2521	.24	2742	.31	2946	.38	3268	.52	3556	.67				
275	275	2265	.18	2435	.22	2654	.28	2856	.35	3060	.43	3387	.58	3662	.74				
295	295	2399	.21	2573	.26	2791	.33	2976	.40	3170	.48	3507	.65	3777	.81				
315	315	2533	.24	2709	.30	2930	.38	3105	.45	3283	.53	3624	.71						
335	335	2667	.28	2844	.35	3069	.43	3238	.51	3403	.59	3737	.78						
355	355	2803	.33	2978	.40	3208	.49	3376	.58	3530	.66								
375	375	2939	.38	3112	.46	3348	.56	3514	.65	3661	.74								
395	395	3077	.43	3244	.52	3486	.64	3652	.73	3795	.82								
415	415	3215	.49	3379	.58	3624	.72	3792	.82										

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).



Wheel Diameter: 10"
Tip Speed (FPM) = 2.62 x RPM
60 SQN-B Max. HP = 0.015 x (RPM/1000)³
70 SQN-B Max. HP = 0.017 x (RPM/1000)³
Outlet Area = 1.00 FT²
Outlet Velocity (FPM) = CFM/1.00
Max. Motor Frame Size: 143T
1140 Motor Requirements:
 1200 and lower RPM
3450 Motor Requirements:
 2500 and greater RPM

70 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
140	140	991	.02	1199	.03	1514	.06	1776	.10	2012	.14								
170	170	1105	.02	1302	.04	1605	.07	1851	.11	2069	.15	2462	.25						
200	200	1227	.03	1410	.05	1703	.08	1940	.12	2148	.17	2517	.27	2849	.39				
230	230	1352	.04	1522	.06	1805	.10	2036	.14	2237	.19	2589	.30	2904	.42	3195	.55		
260	260	1478	.05	1642	.08	1911	.12	2136	.17	2332	.22	2674	.32	2975	.45	3253	.59	3514	.74
290	290	1603	.07	1764	.09	2020	.14	2240	.19	2432	.24	2765	.36	3058	.49	3325	.63	3575	.78
320	320	1730	.09	1890	.11	2133	.16	2346	.22	2535	.28	2862	.40	3147	.53	3407	.67	3648	.83
350	350	1858	.11	2015	.14	2250	.19	2455	.25	2640	.31	2961	.44	3241	.58	3495	.72	3730	.88
380	380	1987	.13	2141	.17	2371	.23	2567	.29	2746	.35	3063	.49	3339	.63	3588	.78	3818	.95
410	410	2117	.16	2267	.20	2495	.26	2682	.33	2856	.40	3167	.54	3439	.69	3684	.85	3910	1.01
440	440	2249	.19	2393	.23	2620	.31	2801	.37	2968	.44	3273	.60	3541	.76	3783	.92	4006	1.09
470	470	2383	.23	2520	.27	2745	.35	2923	.42	3084	.50	3381	.66	3645	.82	3884	1.00		
500	500	2516	.27	2649	.32	2871	.40	3046	.48	3203	.56	3490	.72	3751	.90	3987	1.08		
530	530	2652	.32	2778	.36	2997	.46	3171	.54	3324	.62	3602	.79	3858	.98				
560	560	2788	.37	2908	.42	3123	.52	3297	.61	3447	.70	3716	.87	3966	1.06				
590	590	2922	.42	3040	.48	3249	.58	3423	.68	3571	.77	3833	.96						
620	620	3060	.49	3171	.54	3375	.65	3548	.76	3695	.86	3953	1.05						
650	650	3199	.56	3304	.61	3502	.73	3674	.84	3821	.95								
680	680	3336	.63	3438	.69	3630	.81	3800	.93	3947	1.05								
710	710	3472	.71	3571	.77	3758	.90	3926	1.03										

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).

80 SQN-B Data

Wheel Diameter: 10"

Tip Speed (FPM) = 2.62 x RPM

80 SQN-B Max. HP = 0.028 x (RPM/1000)³

100 SQN-B Max. HP = 0.032 x (RPM/1000)³

Outlet Area = 1.00 FT²

Outlet Velocity (FPM) = CFM/1.00

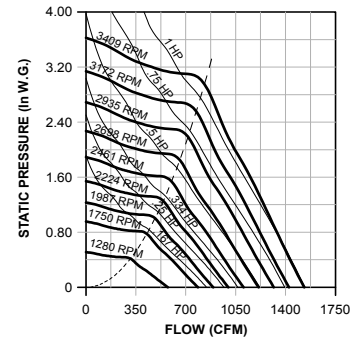
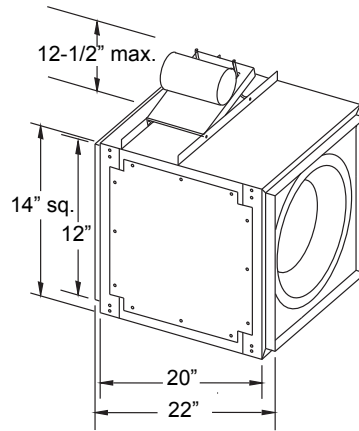
Max. Motor Frame Size: 143T

1140 Motor Requirements:

1200 and lower RPM

3450 Motor Requirements:

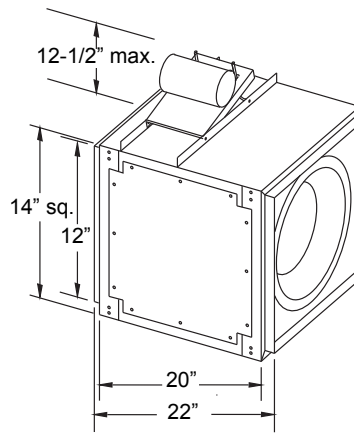
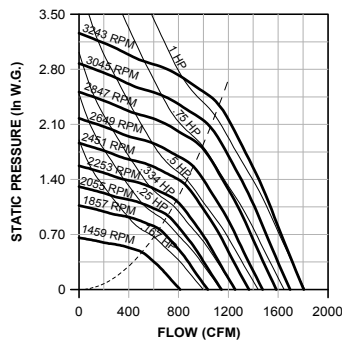
2500 and greater RPM



80 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
495	495	1280	.05	1417	.08	1661	.12	1840	.17	1999	.22								
540	540	1369	.06	1500	.09	1732	.14	1921	.19	2070	.25								
585	585	1460	.08	1586	.10	1804	.16	1999	.22	2149	.27								
630	630	1552	.09	1672	.12	1880	.18	2072	.24	2230	.30	2484	.43						
675	675	1644	.11	1760	.14	1959	.20	2143	.27	2307	.33	2558	.46						
720	720	1738	.13	1849	.16	2041	.23	2215	.29	2381	.36	2638	.50	2856	.65				
765	765	1831	.15	1939	.18	2124	.25	2291	.32	2452	.40	2719	.55	2930	.70				
810	810	1926	.18	2030	.21	2209	.28	2370	.36	2523	.43	2798	.59	3008	.75	3201	.92		
855	855	2020	.21	2121	.24	2295	.31	2450	.39	2598	.47	2872	.64	3089	.80	3275	.97		
900	900	2116	.24	2214	.27	2382	.35	2532	.43	2675	.51	2944	.69	3169	.86	3353	1.04		
945	945	2212	.27	2305	.31	2470	.39	2617	.47	2754	.56	3015	.74	3247	.92				
990	990	2307	.31	2399	.34	2559	.43	2702	.52	2834	.61	3087	.79	3321	.99				
1035	1035	2404	.35	2492	.39	2648	.47	2787	.56	2916	.66	3161	.85	3393	1.05				
1080	1080	2502	.39	2586	.43	2739	.52	2875	.61	3001	.71	3237	.91						
1125	1125	2599	.44	2681	.48	2829	.57	2962	.67	3085	.77	3314	.98						
1170	1170	2695	.49	2775	.53	2921	.63	3050	.73	3171	.83	3395	1.05						
1215	1215	2791	.54	2869	.59	3011	.69	3140	.79	3257	.90								
1260	1260	2888	.60	2966	.65	3104	.75	3228	.85	3344	.97								
1305	1305	2988	.67	3062	.72	3196	.82	3319	.93	3432	1.04								
1350	1350	3087	.73	3157	.78	3288	.89	3409	1.00										

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).



Wheel Diameter: 10"

Tip Speed (FPM) = 2.62 x RPM

80 SQN-B Max. HP = 0.028 x (RPM/1000)³

100 SQN-B Max. HP = 0.032 x (RPM/1000)³

Outlet Area = 1.00 FT²

Outlet Velocity (FPM) = CFM/1.00

Max. Motor Frame Size: 143T

1140 Motor Requirements:

1200 and lower RPM

3450 Motor Requirements:

2500 and greater RPM

100 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
740	740	1459	.09	1566	.12	1768	.18	1950	.24	2123	.31								
785	785	1534	.11	1637	.13	1828	.19	2007	.26	2170	.33								
830	830	1610	.12	1709	.15	1890	.21	2065	.28	2222	.35								
875	875	1685	.14	1781	.17	1954	.23	2124	.31	2277	.38								
920	920	1762	.16	1855	.19	2020	.26	2183	.33	2335	.41	2614	.57						
965	965	1838	.18	1929	.22	2088	.28	2244	.36	2393	.44	2661	.61						
1010	1010	1914	.21	2004	.24	2157	.31	2306	.39	2452	.47	2713	.64						
1055	1055	1992	.23	2077	.27	2228	.34	2370	.42	2512	.50	2768	.68	3011	.87				
1100	1100	2070	.26	2153	.30	2299	.37	2435	.45	2572	.54	2825	.72	3057	.92				
1145	1145	2148	.29	2229	.33	2370	.40	2502	.48	2634	.58	2883	.77	3108	.97				
1190	1190	2225	.32	2303	.36	2443	.44	2570	.52	2697	.61	2941	.81	3161	1.02				
1235	1235	2302	.36	2379	.40	2515	.48	2639	.56	2760	.66	3000	.86	3217	1.07				
1280	1280	2380	.40	2456	.44	2589	.52	2709	.61	2826	.70	3060	.91						
1325	1325	2460	.44	2533	.48	2662	.57	2780	.66	2893	.75	3120	.96						
1370	1370	2540	.48	2609	.52	2737	.61	2852	.71	2961	.80	3181	1.02						
1415	1415	2619	.53	2684	.57	2812	.67	2923	.76	3031	.86	3243	1.07						
1460	1460	2699	.58	2761	.62	2886	.72	2996	.81	3100	.91								
1505	1505	2778	.63	2840	.67	2959	.77	3069	.87	3171	.97								
1550	1550	2857	.68	2918	.73	3035	.83	3142	.93	3242	1.04								
1595	1595	2936	.74	2996	.79	3111	.90	3216	1.00										

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).

120 SQN-B Data

Wheel Diameter: 12"

Tip Speed (FPM) = 3.14 x RPM

120 SQN-B Max. HP = 0.079 x (RPM/1000)³

Outlet Area = 1.78 FT²

Outlet Velocity (FPM) = CFM/1.78

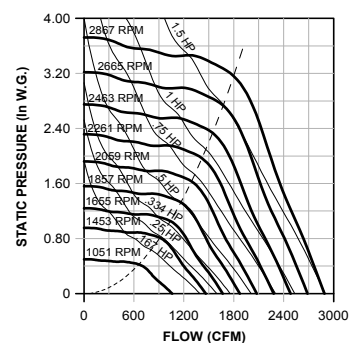
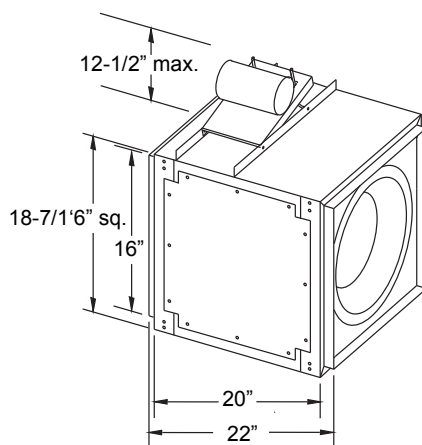
Max. Motor Frame Size: 145T

1140 Motor Requirements:

1200 and lower RPM

3450 Motor Requirements:

2700 and greater RPM

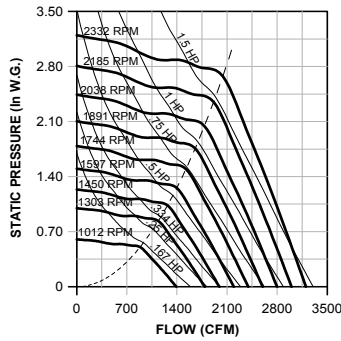


120 SQN-B

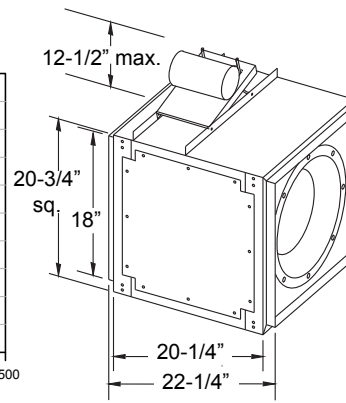
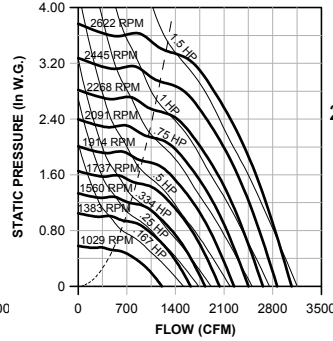
CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
950	533	1051	.08	1150	.11	1290	.17	1431	.23										
1035	581	1127	.10	1222	.13	1361	.19	1484	.26	1622	.34								
1120	629	1205	.12	1294	.15	1434	.22	1546	.29	1665	.37								
1205	676	1282	.14	1367	.18	1507	.25	1614	.33	1720	.40								
1290	724	1362	.17	1440	.20	1581	.28	1686	.36	1782	.45	1997	.63						
1375	772	1441	.20	1515	.24	1654	.32	1759	.41	1851	.49	2042	.68						
1460	820	1522	.23	1591	.27	1725	.36	1833	.45	1922	.54	2096	.73	2292	.95				
1545	867	1603	.27	1668	.31	1797	.40	1906	.50	1994	.60	2157	.79	2334	1.01				
1630	915	1684	.31	1746	.36	1869	.45	1979	.55	2068	.66	2223	.86	2383	1.08	2562	1.33		
1715	963	1764	.36	1824	.40	1942	.50	2052	.61	2141	.72	2292	.93	2440	1.15	2602	1.40		
1800	1011	1846	.41	1904	.46	2015	.56	2123	.67	2215	.79	2364	1.01	2502	1.24	2651	1.48		
1885	1058	1930	.46	1983	.51	2089	.62	2195	.74	2288	.86	2436	1.09	2569	1.33	2705	1.57		
1970	1106	2013	.53	2061	.58	2165	.69	2267	.81	2360	.93	2509	1.18	2638	1.42				
2055	1154	2095	.59	2143	.64	2241	.76	2339	.88	2432	1.01	2584	1.27	2709	1.52				
2140	1202	2178	.66	2224	.72	2318	.84	2412	.96	2504	1.10	2657	1.37	2781	1.63				
2225	1250	2260	.74	2305	.80	2396	.92	2486	1.05	2576	1.19	2730	1.47						
2310	1297	2342	.82	2386	.88	2473	1.01	2560	1.14	2648	1.28	2803	1.57						
2395	1345	2423	.91	2466	.97	2550	1.10	2636	1.24	2720	1.39								
2480	1393	2504	1.00	2547	1.07	2631	1.21	2712	1.35	2793	1.49								
2565	1441	2589	1.11	2630	1.18	2710	1.32	2787	1.46	2867	1.61								

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).

135 SQN-B



135 SQN-HP



Wheel Diameter: 13.5"

Tip Speed (FPM) = 3.53 x RPM

135 SQN-B Max. HP = 0.138 x (RPM/1000)³

135 SQN-HP Max. HP = 0.093 x (RPM/1000)³

Outlet Area = 2.25 FT²

Outlet Velocity (FPM) = CFM/2.25

Max. Motor Frame Size: 145T

1140 Motor Requirements:

1000 and lower RPM

135 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1275	566	1012	.13	1085	.16	1217	.24	1329	.32	1437	.41								
1360	604	1068	.15	1139	.19	1266	.27	1377	.36	1475	.44								
1445	642	1127	.17	1193	.21	1315	.30	1424	.39	1520	.48								
1530	680	1185	.20	1249	.24	1366	.33	1472	.43	1567	.53								
1615	717	1244	.23	1305	.27	1417	.37	1521	.47	1615	.57	1783	.78						
1700	755	1303	.26	1361	.31	1469	.41	1570	.51	1663	.62	1824	.84						
1785	793	1361	.29	1418	.35	1522	.45	1620	.56	1711	.67	1870	.90						
1870	831	1421	.33	1475	.39	1576	.50	1670	.61	1759	.72	1917	.96	2061	1.21				
1955	868	1481	.37	1533	.43	1631	.55	1722	.66	1808	.78	1964	1.03	2103	1.28				
2040	906	1541	.42	1591	.48	1685	.60	1773	.72	1858	.84	2012	1.10	2148	1.36	2281	1.64		
2125	944	1600	.47	1649	.53	1741	.66	1826	.78	1908	.91	2061	1.18	2194	1.45				
2210	982	1659	.52	1707	.59	1796	.72	1880	.85	1959	.98	2109	1.25	2242	1.54				
2295	1020	1720	.57	1767	.65	1853	.78	1933	.92	2011	1.05	2157	1.34	2290	1.63				
2380	1057	1781	.64	1826	.71	1909	.85	1988	.99	2063	1.13	2206	1.42						
2465	1095	1842	.70	1884	.78	1966	.93	2042	1.07	2116	1.21	2256	1.51						
2550	1133	1903	.77	1942	.85	2023	1.00	2098	1.15	2169	1.30	2305	1.60						
2635	1171	1964	.85	2003	.93	2080	1.09	2153	1.24	2223	1.39								
2720	1208	2025	.93	2063	1.01	2137	1.17	2208	1.33	2277	1.49								
2805	1246	2085	1.01	2123	1.10	2196	1.27	2265	1.43	2332	1.59								
2890	1284	2146	1.10	2183	1.19	2254	1.36	2322	1.54										

135 SQN-HP

CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	444	1029	.10	1196	.16	1492	.30	1765	.47	2020	.66								
1075	477	1081	.11	1239	.18	1523	.32	1779	.49	2028	.69								
1150	511	1135	.13	1283	.20	1558	.34	1800	.51	2038	.72	2262	.94						
1225	544	1190	.15	1330	.22	1594	.37	1827	.54	2051	.75	2270	.97	2474	1.21				
1300	577	1246	.17	1378	.24	1632	.40	1858	.57	2070	.78	2280	1.01	2482	1.25				
1375	611	1304	.19	1428	.26	1671	.43	1892	.61	2095	.81	2294	1.05	2491	1.30				
1450	644	1361	.22	1480	.29	1712	.47	1928	.65	2124	.85	2313	1.09	2502	1.34				
1525	677	1420	.24	1532	.32	1754	.50	1965	.69	2156	.90	2337	1.13	2517	1.39				
1600	711	1478	.27	1586	.35	1799	.54	2002	.74	2191	.94	2366	1.18	2537	1.44				
1675	744	1538	.31	1641	.39	1844	.58	2042	.79	2227	1.00	2398	1.23	2562	1.49				
1750	777	1598	.34	1696	.43	1891	.62	2082	.84	2263	1.05	2431	1.29	2591	1.55				
1825	811	1658	.38	1753	.47	1940	.67	2124	.89	2301	1.11	2466	1.35	2622	1.61				
1900	844	1719	.42	1810	.51	1990	.72	2168	.95	2340	1.18	2502	1.42						
1975	877	1779	.46	1867	.56	2041	.77	2212	1.00	2380	1.25	2539	1.49						
2050	911	1840	.51	1925	.61	2092	.83	2258	1.07	2421	1.32	2577	1.57						
2125	944	1900	.56	1983	.67	2144	.88	2305	1.13	2463	1.39	2616	1.65						
2200	977	1963	.62	2042	.72	2198	.95	2353	1.20	2507	1.47								
2275	1011	2025	.68	2100	.78	2252	1.02	2402	1.27	2551	1.54								
2350	1044	2086	.74	2161	.85	2307	1.09	2452	1.34	2596	1.62								
2425	1077	2148	.80	2220	.92	2362	1.16	2503	1.42										

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).

150 SQN-B/SQN-HP Data

Wheel Diameter: 15"

Tip Speed (FPM) = 3.93 x RPM

150 SQN-B Max. HP = 0.242 x (RPM/1000)³

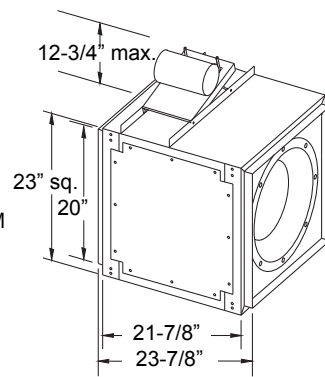
150 SQN-HP Max. HP = 0.096 x (RPM/1000)³

Outlet Area = 2.78 FT²

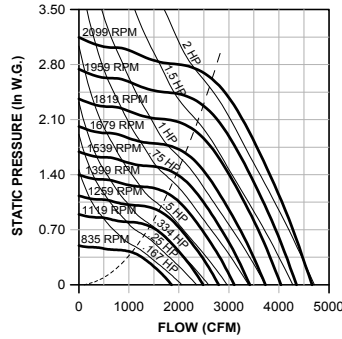
Outlet Velocity (FPM) = CFM/2.78

Max. Motor Frame Size: 145T

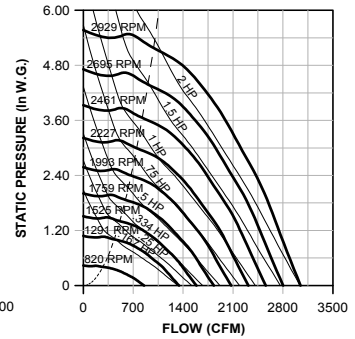
1140 Motor Requirements: 900 and lower RPM



150 SQN-B



150 SQN-HP



150 SQN-B

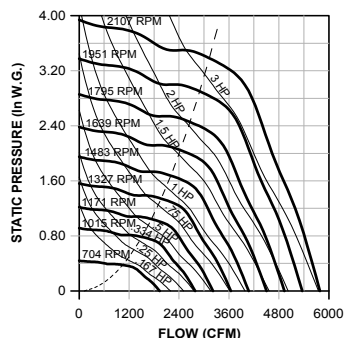
CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1680	604	835	.13	911	.18	1050	.28	1177	.39	1303	.51								
1810	651	888	.16	959	.21	1091	.31	1212	.43	1329	.55								
1940	697	942	.19	1008	.24	1135	.35	1249	.47	1360	.60								
2070	744	996	.22	1059	.28	1179	.39	1289	.52	1394	.65	1599	.94						
2200	791	1051	.26	1110	.32	1225	.44	1331	.57	1431	.71	1624	1.00						
2330	838	1107	.30	1162	.36	1272	.49	1374	.63	1470	.77	1654	1.07						
2460	884	1163	.35	1215	.41	1319	.54	1418	.69	1511	.83	1687	1.14	1859	1.49				
2590	931	1218	.40	1268	.46	1368	.60	1464	.75	1553	.91	1722	1.22	1886	1.57				
2720	978	1275	.45	1322	.52	1417	.67	1510	.82	1597	.98	1760	1.31	1917	1.67	2073	2.06		
2850	1025	1332	.51	1376	.58	1467	.74	1556	.90	1641	1.06	1799	1.41	1950	1.77	2099	2.16		
2980	1071	1388	.58	1431	.65	1518	.81	1604	.98	1686	1.15	1840	1.51	1986	1.88				
3110	1118	1444	.65	1486	.73	1569	.89	1652	1.06	1732	1.24	1882	1.61	2023	1.99				
3240	1165	1501	.73	1541	.81	1621	.98	1701	1.16	1779	1.34	1925	1.72	2062	2.12				
3370	1212	1559	.82	1598	.90	1674	1.07	1750	1.25	1826	1.44	1969	1.84						
3500	1258	1617	.91	1653	.99	1726	1.17	1801	1.36	1874	1.56	2013	1.96						
3630	1305	1674	1.01	1708	1.09	1780	1.28	1851	1.47	1922	1.67	2058	2.09						
3760	1352	1732	1.12	1765	1.20	1834	1.39	1903	1.59	1971	1.80								
3890	1399	1790	1.23	1822	1.32	1887	1.51	1954	1.72	2021	1.93								
4020	1446	1847	1.35	1879	1.45	1942	1.64	2006	1.85	2071	2.07								
4150	1492	1904	1.48	1935	1.58	1997	1.78	2059	1.99										

150 SQN-HP

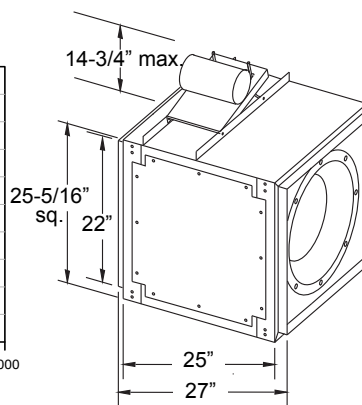
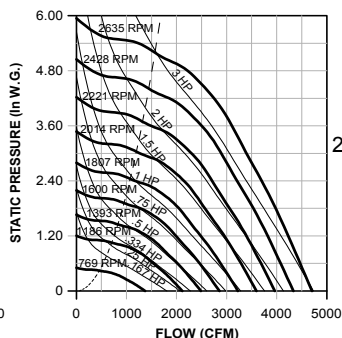
CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600	215	820	.05	1011	.10	1326	.21	1592	.32										
700	251	888	.07	1065	.12	1361	.23	1615	.36	1839	.50								
800	287	959	.08	1128	.14	1407	.26	1646	.41	1862	.56	2060	.71	2240	.87				
900	323	1036	.10	1195	.16	1457	.29	1686	.45	1892	.61	2084	.78	2262	.95	2582	1.32		
1000	359	1118	.13	1263	.19	1512	.33	1732	.49	1929	.67	2113	.85	2287	1.04	2603	1.42	2885	1.84
1100	395	1204	.16	1333	.22	1575	.37	1783	.54	1974	.72	2150	.92	2316	1.12	2626	1.53	2907	1.97
1200	431	1291	.19	1408	.26	1641	.42	1838	.60	2023	.78	2193	.99	2353	1.21	2652	1.65	2929	2.10
1300	467	1379	.23	1487	.30	1708	.47	1899	.66	2074	.85	2241	1.06	2396	1.29	2685	1.76		
1400	503	1468	.28	1570	.35	1776	.53	1963	.72	2130	.93	2291	1.14	2443	1.37	2723	1.87		
1500	539	1558	.33	1655	.41	1846	.59	2030	.80	2192	1.01	2345	1.23	2492	1.47	2766	1.98		
1600	575	1648	.38	1741	.47	1918	.66	2097	.88	2256	1.10	2403	1.33	2545	1.57	2813	2.09		
1700	611	1739	.45	1828	.54	1994	.74	2165	.96	2322	1.19	2465	1.44	2601	1.69				
1800	647	1831	.52	1916	.62	2072	.83	2235	1.06	2390	1.30	2529	1.55	2661	1.81				
1900	683	1922	.60	2005	.71	2154	.92	2306	1.16	2457	1.41	2596	1.67	2724	1.94				
2000	719	2013	.68	2094	.80	2237	1.03	2380	1.27	2526	1.53	2663	1.80	2790	2.08				
2100	755	2107	.78	2183	.90	2322	1.14	2456	1.38	2595	1.65	2731	1.93						
2200	791	2200	.89	2274	1.01	2408	1.26	2534	1.51	2667	1.79	2799	2.08						
2300	827	2292	1.00	2364	1.13	2495	1.39	2615	1.65	2741	1.93								
2400	863	2384	1.12	2455	1.26	2582	1.53	2698	1.80	2816	2.09								
2500	899	2478	1.26	2547	1.40	2670	1.69	2783	1.97										

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).

165 SQN-B



165 SQN-HP



Wheel Diameter: 16.5"
 Tip Speed (FPM) = 4.32 x RPM
 165 SQN-B Max. HP = 0.396 x (RPM/1000)³
 165 SQN-HP Max. HP = 0.195 x (RPM/1000)³
 Outlet Area = 3.36 FT²
 Outlet Velocity (FPM) = CFM/3.36
 Max. Motor Frame Size: 182T
 Reinforced Wheel Requirements:
 SQN-B = 1833 and greater RPM

165 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1750	520	704	.13	777	.18	889	.28	1018	.41	1150	.55								
1950	580	770	.16	835	.22	944	.33	1046	.45	1168	.61								
2150	639	837	.21	894	.26	1003	.39	1090	.51	1192	.67	1409	1.01						
2350	699	905	.26	956	.32	1063	.46	1145	.59	1228	.73	1426	1.10						
2550	758	975	.32	1020	.38	1121	.54	1204	.68	1276	.82	1448	1.18	1632	1.60				
2750	818	1045	.39	1086	.46	1179	.62	1264	.78	1333	.93	1478	1.28	1651	1.71	1816	2.16		
2950	877	1114	.47	1153	.54	1238	.71	1323	.89	1392	1.05	1520	1.39	1673	1.83	1833	2.30		
3150	937	1185	.57	1222	.64	1298	.80	1381	1.00	1452	1.18	1570	1.53	1702	1.95	1853	2.45	2001	2.96
3350	996	1257	.67	1289	.75	1360	.92	1439	1.12	1511	1.32	1627	1.69	1742	2.09	1877	2.59	2020	3.13
3550	1056	1328	.79	1359	.87	1425	1.04	1497	1.25	1569	1.47	1686	1.87	1790	2.27	1909	2.75	2041	3.30
3750	1115	1399	.92	1429	1.00	1490	1.18	1557	1.39	1627	1.63	1746	2.07	1845	2.48	1948	2.93		
3950	1175	1470	1.07	1499	1.15	1557	1.34	1619	1.56	1685	1.79	1806	2.27	1902	2.70	1996	3.15		
4150	1234	1540	1.22	1568	1.32	1623	1.51	1681	1.73	1744	1.97	1865	2.49	1962	2.95				
4350	1294	1612	1.40	1638	1.49	1692	1.70	1746	1.92	1804	2.17	1923	2.71	2022	3.21				
4550	1353	1683	1.59	1710	1.70	1760	1.91	1810	2.13	1866	2.38	1980	2.94						
4750	1413	1755	1.80	1782	1.92	1828	2.12	1877	2.36	1927	2.60	2038	3.18						
4950	1472	1827	2.03	1853	2.15	1897	2.36	1944	2.60	1992	2.86								
5150	1532	1900	2.28	1925	2.41	1967	2.63	2010	2.86	2057	3.13								
5350	1591	1972	2.55	1996	2.68	2037	2.91	2079	3.16										
5550	1651	2044	2.83	2066	2.96	2107	3.21												

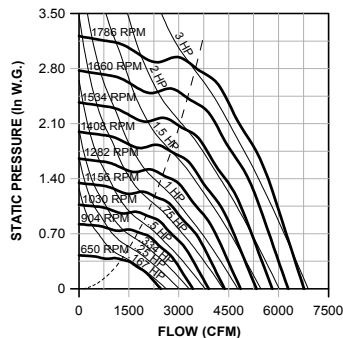
165 SQN-HP

CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	297	769	.09	925	.15	1200	.32	1438	.52	1639	.72								
1150	342	832	.11	979	.18	1234	.36	1457	.57	1660	.79	1838	1.03						
1300	386	897	.14	1040	.22	1274	.40	1485	.62	1679	.86	1858	1.12	2019	1.38				
1450	431	967	.17	1102	.26	1320	.45	1522	.68	1704	.93	1876	1.20	2038	1.49	2324	2.08		
1600	476	1038	.20	1165	.30	1374	.50	1563	.74	1739	1.00	1901	1.29	2057	1.59	2345	2.22	2595	2.87
1750	520	1112	.25	1230	.35	1434	.57	1609	.81	1778	1.08	1934	1.38	2082	1.69	2363	2.36	2617	3.06
1900	565	1187	.30	1297	.41	1496	.64	1661	.89	1820	1.17	1973	1.47	2115	1.80	2383	2.49	2635	3.23
2050	609	1264	.36	1367	.47	1558	.72	1719	.99	1867	1.27	2013	1.58	2153	1.91	2410	2.63		
2200	654	1341	.42	1438	.55	1621	.81	1780	1.09	1920	1.38	2058	1.70	2193	2.03	2444	2.77		
2350	699	1418	.49	1511	.63	1685	.91	1842	1.20	1978	1.50	2107	1.82	2236	2.17	2481	2.92		
2500	743	1498	.58	1585	.72	1750	1.01	1904	1.32	2038	1.64	2162	1.97	2283	2.32	2521	3.09		
2650	788	1576	.67	1661	.82	1817	1.13	1967	1.45	2100	1.78	2220	2.12	2335	2.48	2563	3.26		
2800	833	1657	.77	1737	.93	1886	1.25	2030	1.59	2163	1.94	2281	2.29	2392	2.66				
2950	877	1737	.89	1813	1.05	1957	1.39	2095	1.74	2225	2.11	2343	2.48	2451	2.86				
3100	922	1816	1.01	1891	1.18	2029	1.53	2161	1.91	2288	2.29	2405	2.67	2512	3.06				
3250	966	1898	1.15	1968	1.32	2101	1.69	2228	2.08	2352	2.48	2468	2.88	2574	3.28				
3400	1011	1979	1.30	2047	1.48	2175	1.86	2297	2.26	2416	2.68	2530	3.09						
3550	1056	2061	1.46	2126	1.65	2249	2.04	2367	2.46	2481	2.89								
3700	1100	2142	1.63	2204	1.83	2325	2.24	2438	2.67	2549	3.12								
3850	1145	2222	1.82	2284	2.03	2399	2.45	2510	2.90										

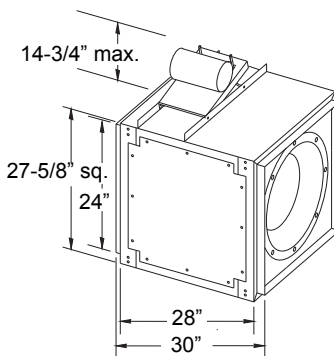
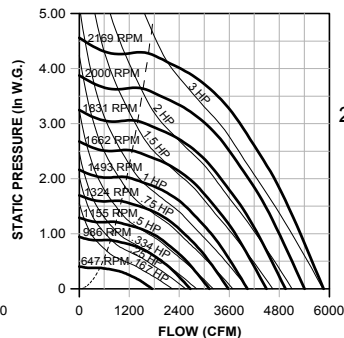
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). **Shaded area indicates reinforced wheel required.**

180 SQN-B / SQN-HP Data

180 SQN-B



180 SQN-HP



Wheel Diameter: 18"

Tip Speed (FPM) = 4.71 x RPM

180 SQN-B Max. HP = 0.590 x (RPM/1000)³

180 SQN-HP Max. HP = 0.347 x (RPM/1000)³

Outlet Area = 4.00 FT²

Outlet Velocity (FPM) = CFM/4.00

Max. Motor Frame Size: 182T

Reinforced Wheel Requirements:

SQN-B = 1610 and greater RPM

180 SQN-B

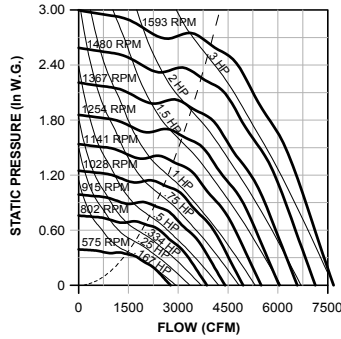
CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2200	550	650	.15	712	.21	845	.35	954	.50	1074	.67								
2400	600	698	.19	754	.25	880	.39	983	.55	1088	.73								
2600	650	747	.23	799	.29	912	.44	1018	.61	1109	.79	1308	1.20						
2800	700	796	.27	846	.34	946	.50	1054	.67	1140	.86	1323	1.28						
3000	750	846	.32	893	.40	984	.56	1087	.74	1175	.94	1338	1.36	1511	1.85				
3200	800	895	.38	940	.46	1025	.63	1120	.82	1211	1.02	1360	1.45	1525	1.95				
3400	850	946	.44	989	.53	1068	.71	1154	.90	1245	1.11	1391	1.56	1539	2.06	1693	2.62		
3600	900	996	.52	1037	.60	1113	.79	1190	.99	1278	1.22	1426	1.68	1559	2.18	1707	2.74		
3800	950	1046	.59	1087	.69	1159	.89	1230	1.09	1310	1.32	1462	1.80	1586	2.31	1721	2.88		
4000	1000	1098	.69	1136	.78	1205	.99	1273	1.21	1345	1.43	1497	1.93	1619	2.46	1740	3.03		
4200	1050	1149	.78	1186	.89	1253	1.10	1316	1.32	1382	1.56	1531	2.08	1654	2.61	1766	3.19		
4400	1100	1200	.89	1235	1.00	1300	1.22	1361	1.45	1423	1.69	1563	2.22	1690	2.78				
4600	1150	1251	1.00	1285	1.12	1348	1.35	1406	1.59	1465	1.84	1596	2.38	1725	2.96				
4800	1200	1302	1.13	1336	1.25	1397	1.49	1453	1.74	1508	1.99	1630	2.55	1759	3.14				
5000	1250	1355	1.27	1386	1.39	1445	1.64	1499	1.89	1553	2.16	1666	2.73						
5200	1300	1407	1.42	1436	1.54	1494	1.80	1548	2.07	1598	2.34	1704	2.92						
5400	1350	1459	1.58	1487	1.71	1543	1.97	1595	2.25	1645	2.53	1745	3.12						
5600	1400	1511	1.76	1538	1.88	1592	2.16	1643	2.44	1691	2.73								
5800	1450	1563	1.94	1590	2.08	1642	2.36	1692	2.65	1738	2.95								
6000	1500	1614	2.14	1641	2.28	1692	2.57	1740	2.87	1786	3.18								

180 SQN-HP

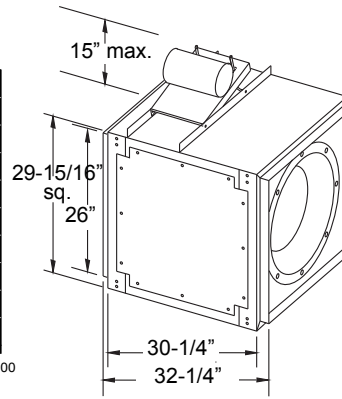
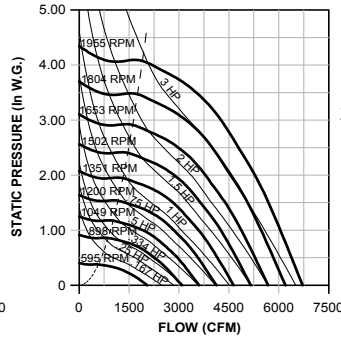
CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	300	647	.09	810	.18	1083	.39	1302	.63	1487	.87								
1375	343	691	.11	842	.20	1101	.43	1318	.69	1502	.96	1665	1.24						
1550	387	737	.14	880	.23	1124	.47	1334	.75	1518	1.05	1681	1.36	1828	1.66				
1725	431	787	.17	922	.27	1151	.52	1354	.81	1534	1.13	1697	1.46	1844	1.80	2106	2.49		
1900	475	840	.20	966	.31	1182	.56	1377	.87	1552	1.20	1713	1.56	1860	1.93	2120	2.68		
2075	518	895	.24	1011	.36	1218	.62	1403	.94	1574	1.29	1730	1.65	1876	2.05	2136	2.86		
2250	562	951	.28	1059	.41	1258	.69	1433	1.00	1598	1.37	1750	1.75	1893	2.16	2152	3.02		
2425	606	1009	.34	1109	.47	1300	.76	1467	1.08	1625	1.46	1773	1.86	1913	2.28	2169	3.18		
2600	650	1067	.39	1161	.53	1344	.84	1504	1.17	1655	1.55	1799	1.97	1935	2.40				
2775	693	1126	.46	1215	.60	1389	.93	1545	1.27	1688	1.65	1827	2.08	1960	2.53				
2950	737	1186	.53	1270	.68	1434	1.02	1588	1.39	1725	1.76	1858	2.19	1987	2.66				
3125	781	1246	.61	1327	.77	1481	1.12	1631	1.50	1765	1.89	1892	2.32	2016	2.79				
3300	825	1307	.70	1384	.87	1531	1.24	1675	1.63	1807	2.04	1929	2.46	2048	2.94				
3475	868	1368	.80	1442	.98	1582	1.36	1720	1.77	1850	2.19	1969	2.63	2084	3.10				
3650	912	1428	.91	1501	1.09	1634	1.49	1766	1.91	1894	2.36	2011	2.81	2121	3.28				
3825	956	1491	1.03	1559	1.22	1688	1.63	1814	2.07	1938	2.53	2054	3.00						
4000	1000	1554	1.16	1619	1.36	1743	1.78	1863	2.23	1983	2.71	2097	3.20						
4175	1043	1615	1.30	1679	1.51	1797	1.94	1913	2.40	2029	2.90								
4350	1087	1677	1.45	1738	1.66	1854	2.11	1965	2.59	2076	3.10								
4525	1131	1738	1.61	1799	1.84	1910	2.30	2018	2.79										

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). **Shaded area indicates reinforced wheel required.**

195 SQN-B



195 SQN-HP



Wheel Diameter: 19.5"

Tip Speed (FPM) = 5.11 x RPM

195 SQN-B Max. HP = 0.880 x (RPM/1000)³

195 SQN-HP Max. HP = 0.518 x (RPM/1000)³

Outlet Area = 4.69 FT²

Outlet Velocity (FPM) = CFM/4.69

Max. Motor Frame Size: 182T

Reinforced Wheel Requirements:

SQN-B = 1429 and greater RPM

195 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2450	522	575	.16	636	.23	761	.38	871	.56										
2700	575	622	.20	676	.27	797	.43	893	.61	998	.82								
2950	628	670	.24	720	.32	829	.49	925	.68	1014	.89								
3200	682	718	.30	765	.38	862	.56	961	.76	1041	.98	1217	1.47						
3450	735	767	.36	811	.45	897	.63	995	.85	1075	1.07	1230	1.57						
3700	788	816	.43	858	.52	937	.72	1027	.94	1110	1.17	1250	1.68	1405	2.26				
3950	842	865	.51	905	.60	979	.81	1060	1.04	1144	1.29	1279	1.81	1419	2.40	1560	3.04		
4200	895	915	.60	953	.70	1023	.92	1095	1.16	1176	1.41	1313	1.95	1437	2.54	1575	3.21		
4450	948	964	.69	1001	.80	1068	1.03	1134	1.28	1209	1.55	1348	2.11	1463	2.71				
4700	1002	1015	.81	1049	.92	1113	1.16	1176	1.42	1243	1.69	1383	2.27	1495	2.89				
4950	1055	1065	.93	1098	1.05	1160	1.30	1218	1.56	1279	1.84	1416	2.45	1530	3.09				
5200	1108	1115	1.06	1147	1.19	1207	1.45	1263	1.73	1319	2.01	1448	2.64	1565	3.29				
5450	1162	1165	1.21	1196	1.34	1254	1.62	1308	1.90	1361	2.20	1480	2.84						
5700	1215	1216	1.37	1246	1.51	1302	1.80	1353	2.09	1404	2.39	1514	3.05						
5950	1268	1267	1.55	1296	1.69	1349	1.98	1400	2.29	1448	2.61	1550	3.28						
6200	1321	1319	1.75	1345	1.89	1398	2.20	1447	2.51	1493	2.84								
6450	1375	1370	1.95	1395	2.10	1446	2.42	1493	2.74	1539	3.08								
6700	1428	1421	2.18	1446	2.33	1494	2.65	1541	3.00										
6950	1481	1472	2.42	1496	2.58	1544	2.92	1589	3.27										
7200	1535	1522	2.67	1546	2.84	1593	3.19												

195 SQN-HP

CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1400	298	596	.11	747	.21	999	.46	1201	.74										
1600	341	635	.13	775	.24	1016	.51	1216	.81	1386	1.12	1537	1.44						
1800	383	677	.16	809	.27	1036	.55	1230	.87	1400	1.22	1550	1.58	1686	1.93				
2000	426	721	.19	846	.31	1059	.60	1247	.94	1415	1.31	1565	1.70	1700	2.10	1943	2.90		
2200	469	768	.23	886	.36	1087	.65	1268	1.01	1431	1.40	1579	1.81	1715	2.25	1955	3.11		
2400	511	817	.27	926	.41	1118	.71	1291	1.09	1449	1.49	1595	1.92	1729	2.38				
2600	554	868	.32	968	.47	1153	.79	1317	1.16	1471	1.59	1612	2.03	1744	2.51				
2800	597	919	.38	1013	.53	1192	.87	1347	1.25	1494	1.69	1632	2.15	1762	2.64				
3000	639	972	.44	1060	.61	1231	.96	1380	1.35	1521	1.79	1655	2.28	1781	2.78				
3200	682	1024	.51	1108	.69	1271	1.06	1416	1.46	1550	1.90	1680	2.40	1803	2.93				
3400	724	1078	.60	1157	.77	1311	1.17	1454	1.58	1582	2.02	1707	2.53	1827	3.08				
3600	767	1132	.68	1208	.87	1353	1.28	1493	1.72	1617	2.17	1736	2.67	1852	3.23				
3800	810	1187	.79	1259	.98	1397	1.40	1532	1.86	1654	2.33	1769	2.83						
4000	852	1242	.90	1310	1.09	1442	1.54	1572	2.01	1693	2.50	1804	3.01						
4200	895	1296	1.01	1363	1.22	1489	1.68	1613	2.17	1732	2.69	1841	3.21						
4400	938	1352	1.14	1416	1.36	1537	1.84	1655	2.34	1772	2.88								
4600	980	1408	1.29	1469	1.52	1585	2.00	1699	2.53	1812	3.08								
4800	1023	1464	1.44	1523	1.68	1635	2.18	1743	2.72	1852	3.29								
5000	1066	1519	1.61	1576	1.85	1685	2.37	1789	2.93										
5200	1108	1574	1.78	1630	2.04	1736	2.58	1836	3.15										

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). **Shaded area indicates reinforced wheel required.**

210 SQN-B/SQN-HP Data

Wheel Diameter: 21"

Tip Speed (FPM) = 5.50 x RPM

210 SQN-B Max. HP = $1.288 \times (\text{RPM}/1000)^3$

210 SQN-HP Max. HP = $0.746 \times (\text{RPM}/1000)^3$

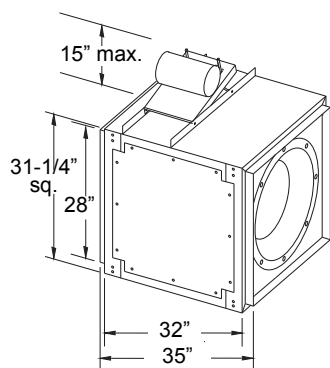
Outlet Area = 5.44 FT²

Outlet Velocity (FPM) = CFM/5.44

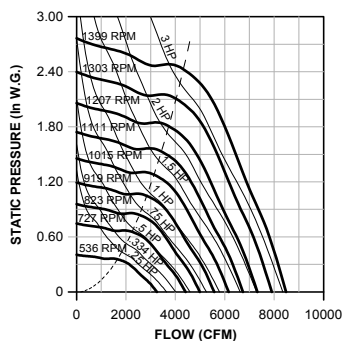
Max. Motor Frame Size: 182T

Reinforced Wheel Requirements:

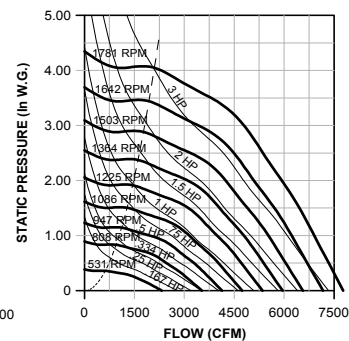
SQN-B = 1277 and greater RPM



210 SQN-B



210 SQN-HP



210 SQN-B

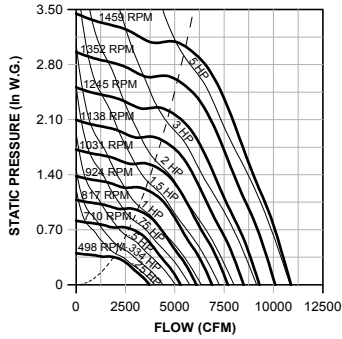
CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2850	523	536	.18	600	.27	701	.44	802	.65	901	.89								
3100	569	571	.22	633	.31	730	.50	821	.70	914	.95								
3350	615	607	.27	666	.36	760	.56	844	.77	930	1.01								
3600	661	644	.32	700	.41	792	.63	871	.85	949	1.08	1109	1.68						
3850	707	682	.38	733	.47	824	.70	900	.94	973	1.18	1123	1.77						
4100	753	720	.44	767	.54	858	.78	930	1.03	999	1.28	1139	1.86	1278	2.56				
4350	799	759	.52	802	.62	891	.86	962	1.13	1028	1.40	1158	1.97	1291	2.67				
4600	845	798	.60	838	.71	924	.95	995	1.24	1058	1.53	1180	2.09	1306	2.79				
4850	891	837	.69	875	.80	957	1.06	1027	1.35	1089	1.66	1206	2.25	1323	2.92				
5100	937	877	.80	912	.91	991	1.17	1061	1.47	1121	1.79	1233	2.42	1343	3.07				
5350	983	917	.91	950	1.02	1024	1.29	1094	1.60	1153	1.93	1261	2.59	1367	3.26				
5600	1029	956	1.03	988	1.15	1058	1.42	1127	1.73	1186	2.08	1291	2.78						
5850	1075	996	1.16	1027	1.29	1092	1.56	1161	1.89	1219	2.23	1322	2.97						
6100	1121	1036	1.30	1066	1.44	1127	1.72	1194	2.05	1253	2.41	1354	3.17						
6350	1167	1077	1.46	1105	1.60	1163	1.89	1227	2.22	1286	2.58								
6600	1213	1118	1.63	1143	1.77	1199	2.07	1260	2.40	1320	2.78								
6850	1259	1158	1.81	1183	1.96	1236	2.26	1294	2.60	1353	2.98								
7100	1305	1199	2.01	1223	2.16	1273	2.47	1329	2.82	1386	3.20								
7350	1351	1239	2.22	1263	2.37	1311	2.69	1364	3.05										
7600	1397	1279	2.44	1302	2.60	1349	2.93	1399	3.29										

210 SQN-HP

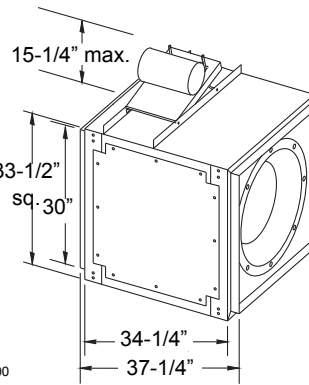
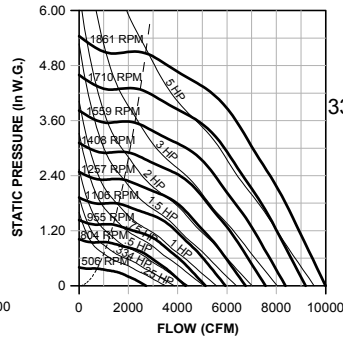
CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1500	275	531	.11	678	.22	915	.48	1096	.76										
1700	312	564	.13	696	.25	929	.53	1110	.84	1264	1.16								
1900	349	597	.16	719	.27	943	.58	1125	.91	1278	1.26	1413	1.62	1537	1.99				
2100	386	630	.18	748	.31	957	.62	1139	.98	1292	1.36	1427	1.75	1549	2.14				
2300	422	665	.22	780	.35	974	.67	1153	1.05	1307	1.46	1441	1.87	1563	2.29	1781	3.17		
2500	459	701	.25	813	.40	994	.72	1166	1.12	1321	1.55	1456	1.99	1578	2.45				
2700	496	739	.29	846	.45	1019	.78	1182	1.18	1334	1.64	1470	2.11	1592	2.59				
2900	533	778	.34	880	.51	1047	.85	1201	1.26	1348	1.73	1484	2.22	1606	2.73				
3100	569	818	.39	914	.56	1079	.93	1222	1.34	1364	1.82	1497	2.33	1620	2.87				
3300	606	859	.45	949	.63	1111	1.02	1247	1.43	1381	1.91	1511	2.44	1633	3.00				
3500	643	900	.51	985	.70	1144	1.12	1275	1.53	1402	2.01	1527	2.55	1647	3.13				
3700	680	942	.58	1023	.77	1178	1.22	1306	1.65	1426	2.13	1546	2.68	1662	3.27				
3900	716	984	.66	1062	.86	1211	1.32	1337	1.78	1452	2.26	1566	2.80						
4100	753	1026	.74	1101	.95	1244	1.43	1370	1.92	1481	2.41	1590	2.95						
4300	790	1069	.84	1141	1.06	1278	1.54	1404	2.07	1512	2.57	1616	3.11						
4500	827	1111	.93	1181	1.17	1312	1.66	1437	2.21	1544	2.74	1644	3.29						
4700	863	1154	1.04	1222	1.29	1348	1.79	1470	2.37	1577	2.93								
4900	900	1197	1.16	1263	1.41	1384	1.93	1503	2.52	1610	3.11								
5100	937	1241	1.29	1304	1.55	1421	2.08	1537	2.69										
5300	974	1284	1.42	1346	1.69	1460	2.25	1571	2.86										

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). **Shaded area indicates reinforced wheel required.**

225 SQN-B



225 SQN-HP



Wheel Diameter: 22.5"

Tip Speed (FPM) = 5.89 x RPM

225 SQN-B Max. HP = 1.819 x (RPM/1000)³

225 SQN-HP Max. HP = 1.053 x (RPM/1000)³

Outlet Area = 6.25 FT²

Outlet Velocity (FPM) = CFM/6.25

Max. Motor Frame Size: 184T

Reinforced Wheel Requirements:

SQN-B = 1152 and greater RPM

SQN-HP = 1500 and greater RPM

225 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3250	520	498	.21	558	.30	653	.50	747	.74	841	1.02								
3600	576	538	.26	595	.36	685	.59	769	.81	855	1.10								
3950	632	579	.33	633	.43	720	.67	797	.92	874	1.19								
4300	688	622	.41	671	.51	757	.77	829	1.04	899	1.31	1043	1.99						
4650	744	665	.49	710	.61	794	.87	863	1.17	928	1.45	1060	2.11	1191	2.91				
5000	800	710	.60	750	.71	832	.99	899	1.31	960	1.61	1081	2.26	1206	3.07				
5350	856	754	.72	791	.84	870	1.12	936	1.45	994	1.79	1107	2.44	1223	3.24	1338	4.16		
5700	912	799	.85	833	.98	908	1.27	973	1.61	1030	1.97	1137	2.67	1244	3.43	1353	4.36	1459	5.35
6050	968	844	1.00	876	1.13	946	1.43	1011	1.78	1067	2.16	1169	2.91	1269	3.67	1371	4.57		
6400	1024	889	1.16	919	1.31	984	1.61	1049	1.97	1104	2.37	1203	3.17	1297	3.95	1392	4.81		
6750	1080	934	1.35	963	1.50	1023	1.81	1087	2.18	1142	2.59	1238	3.44	1328	4.26	1417	5.11		
7100	1136	980	1.56	1007	1.71	1063	2.03	1125	2.41	1180	2.83	1274	3.71	1361	4.59	1445	5.46		
7450	1192	1027	1.79	1051	1.94	1104	2.28	1163	2.66	1218	3.09	1311	4.01	1395	4.94				
7800	1248	1073	2.04	1096	2.19	1146	2.55	1201	2.93	1256	3.37	1348	4.31	1430	5.29				
8150	1304	1119	2.31	1141	2.47	1188	2.83	1240	3.23	1294	3.67	1386	4.64						
8500	1360	1164	2.59	1187	2.78	1231	3.15	1280	3.55	1331	3.99	1424	4.99						
8850	1416	1210	2.91	1232	3.10	1275	3.49	1321	3.90	1370	4.35	1462	5.36						
9200	1472	1256	3.25	1276	3.44	1318	3.85	1361	4.27	1409	4.74								
9550	1528	1301	3.61	1321	3.81	1362	4.24	1404	4.68	1448	5.14								
9900	1584	1348	4.02	1368	4.23	1407	4.67	1446	5.11										

225 SQN-HP

CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	288	506	.14	638	.26	859	.58	1028	.91	1173	1.26								
2100	336	546	.17	663	.30	876	.65	1046	1.02	1188	1.40	1315	1.81						
2400	384	587	.21	697	.35	893	.71	1063	1.13	1206	1.56	1331	1.99	1446	2.45				
2700	432	629	.26	736	.42	914	.78	1080	1.23	1223	1.70	1349	2.18	1463	2.68	1666	3.70		
3000	480	675	.31	777	.49	941	.86	1097	1.32	1240	1.84	1367	2.37	1481	2.90	1682	4.00	1861	5.15
3300	528	722	.38	817	.57	974	.96	1118	1.43	1257	1.97	1384	2.54	1498	3.12	1700	4.31		
3600	576	771	.46	859	.66	1012	1.09	1145	1.55	1276	2.10	1400	2.70	1515	3.32	1717	4.60		
3900	624	821	.55	902	.76	1052	1.23	1177	1.70	1299	2.25	1418	2.87	1531	3.52	1735	4.88		
4200	672	871	.65	947	.87	1093	1.37	1213	1.87	1326	2.41	1439	3.04	1549	3.72	1751	5.15		
4500	720	922	.76	995	1.00	1133	1.53	1251	2.06	1358	2.61	1465	3.24	1569	3.92	1768	5.42		
4800	768	974	.89	1043	1.14	1174	1.69	1292	2.27	1394	2.83	1494	3.46	1593	4.15				
5100	816	1026	1.04	1092	1.30	1216	1.87	1332	2.49	1433	3.09	1526	3.70	1620	4.40				
5400	864	1078	1.20	1141	1.48	1259	2.06	1373	2.72	1472	3.36	1563	4.00	1651	4.68				
5700	912	1131	1.38	1192	1.67	1303	2.27	1413	2.95	1513	3.65	1601	4.31	1686	5.00				
6000	960	1183	1.57	1242	1.88	1349	2.50	1454	3.20	1554	3.95	1641	4.65	1723	5.36				
6300	1008	1236	1.78	1293	2.11	1396	2.76	1496	3.47	1594	4.25	1682	5.01						
6600	1056	1290	2.02	1344	2.36	1444	3.04	1540	3.77	1635	4.57	1722	5.37						
6900	1104	1344	2.27	1397	2.63	1493	3.34	1584	4.08	1676	4.91								
7200	1152	1398	2.55	1448	2.92	1542	3.67	1629	4.42	1717	5.25								
7500	1200	1451	2.84	1500	3.23	1591	4.01	1676	4.79										

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). **Shaded area indicates reinforced wheel required.**

245 SQN-B/SQN-HP Data

Wheel Diameter: 24.5"

Tip Speed (FPM) = 6.41 x RPM

245 SQN-B Max. HP = 2.788 x (RPM/1000)³

245 SQN-HP Max. HP = 1.750 x (RPM/1000)³

OutletArea = 7.56 FT²

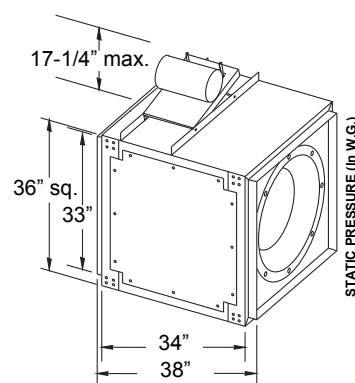
OutletVelocity (FPM) = CFM/7.56

Max. Motor Frame Size: 213T

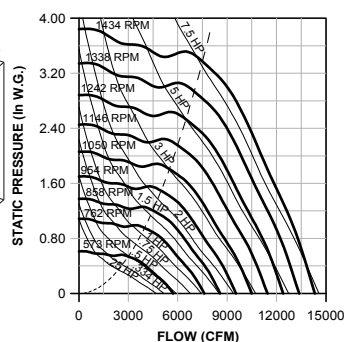
Reinforced Wheel Requirements:

SQN-B = 1015 and greater RPM

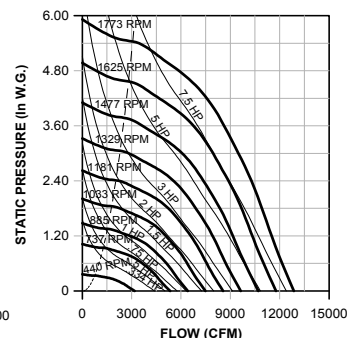
SQN-HP = 1185 and greater RPM



245 SQN-B



245 SQN-HP



245 SQN-B

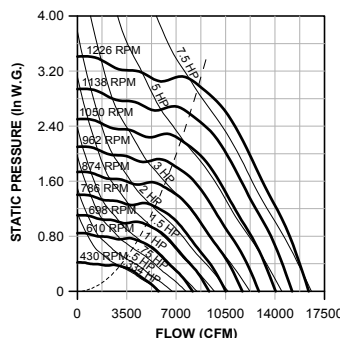
CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4200	555	473	.29	529	.41	617	.66	702	.95										
4700	621	517	.37	568	.51	652	.77	728	1.08	805	1.42								
5200	687	562	.47	608	.62	690	.92	759	1.22	828	1.58	964	2.37						
5700	753	608	.59	649	.75	729	1.08	794	1.40	857	1.76	983	2.58						
6200	820	655	.73	692	.90	769	1.27	832	1.61	890	1.97	1006	2.82	1120	3.75				
6700	886	703	.89	736	1.07	808	1.46	871	1.84	926	2.21	1033	3.07	1140	4.04	1244	5.08		
7200	952	751	1.08	781	1.27	848	1.69	910	2.10	964	2.50	1064	3.37	1163	4.35	1263	5.44		
7700	1018	799	1.30	827	1.49	888	1.93	950	2.39	1003	2.81	1098	3.70	1190	4.70	1284	5.81	1376	6.98
8200	1084	848	1.54	874	1.75	930	2.20	989	2.69	1042	3.15	1134	4.07	1221	5.08	1308	6.21	1396	7.42
8700	1150	896	1.81	920	2.02	973	2.50	1029	3.02	1082	3.53	1171	4.48	1254	5.51	1336	6.65	1419	7.89
9200	1216	945	2.11	968	2.34	1016	2.83	1069	3.37	1121	3.92	1210	4.94	1290	5.99	1367	7.14		
9700	1283	995	2.46	1016	2.69	1061	3.20	1110	3.75	1161	4.34	1249	5.43	1326	6.50	1401	7.68		
10200	1349	1044	2.84	1063	3.07	1106	3.60	1152	4.17	1200	4.78	1289	5.97	1364	7.07				
10700	1415	1093	3.25	1112	3.50	1152	4.04	1195	4.63	1240	5.25	1328	6.52	1403	7.70				
11200	1481	1142	3.70	1161	3.97	1198	4.52	1239	5.13	1282	5.78	1368	7.12						
11700	1547	1191	4.18	1209	4.46	1245	5.04	1283	5.66	1324	6.34	1407	7.73						
12200	1613	1239	4.70	1257	4.99	1291	5.59	1328	6.25	1367	6.94								
12700	1679	1289	5.28	1306	5.59	1339	6.21	1374	6.88	1410	7.58								
13200	1746	1338	5.90	1355	6.23	1387	6.88	1419	7.54										
13700	1812	1387	6.56	1405	6.93	1434	7.57												

245 SQN-HP

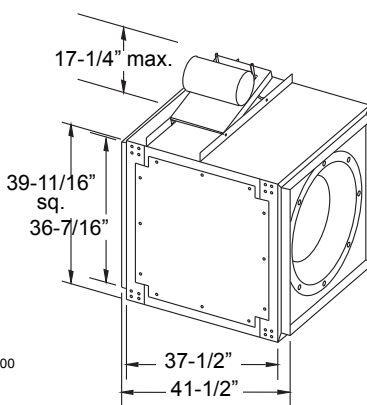
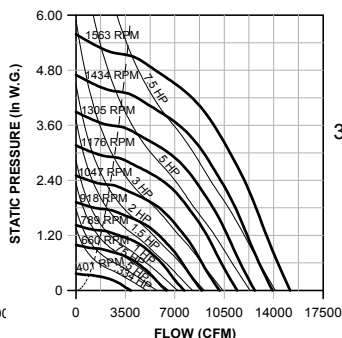
CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1950	257	440	.15	575	.30	779	.65	938	1.05										
2400	317	479	.19	598	.36	798	.76	955	1.21	1088	1.68	1208	2.18	1319	2.71				
2850	376	523	.25	630	.43	817	.87	973	1.37	1106	1.90	1223	2.45	1330	3.03	1524	4.24		
3300	436	570	.32	669	.52	840	.98	992	1.53	1124	2.11	1241	2.72	1347	3.35	1536	4.67	1706	6.06
3750	496	622	.40	711	.63	869	1.11	1013	1.69	1143	2.33	1259	2.99	1365	3.67	1553	5.10	1719	6.60
4200	555	677	.51	756	.75	904	1.28	1039	1.87	1164	2.54	1278	3.25	1383	3.99	1571	5.53	1736	7.13
4650	615	733	.64	805	.89	944	1.47	1069	2.08	1187	2.76	1299	3.52	1402	4.31	1589	5.96	1755	7.68
5100	674	790	.79	856	1.06	986	1.68	1104	2.33	1215	3.02	1322	3.80	1423	4.63	1608	6.39	1773	8.22
5550	734	848	.97	910	1.25	1030	1.91	1143	2.60	1247	3.32	1349	4.11	1446	4.96	1627	6.80		
6000	793	905	1.17	965	1.47	1076	2.16	1185	2.91	1284	3.67	1379	4.46	1473	5.34	1648	7.22		
6450	853	964	1.40	1021	1.73	1124	2.44	1228	3.24	1323	4.04	1414	4.87	1502	5.75	1672	7.68		
6900	912	1021	1.66	1078	2.02	1175	2.75	1272	3.59	1365	4.45	1452	5.32	1536	6.22	1699	8.19		
7350	972	1081	1.96	1135	2.33	1227	3.10	1318	3.97	1408	4.89	1492	5.80	1573	6.74				
7800	1031	1139	2.28	1192	2.69	1281	3.50	1366	4.38	1452	5.34	1534	6.32	1612	7.30				
8250	1091	1198	2.65	1250	3.08	1336	3.93	1416	4.84	1498	5.84	1577	6.86	1653	7.90				
8700	1150	1259	3.07	1308	3.51	1392	4.41	1467	5.34	1545	6.37	1622	7.45						
9150	1210	1318	3.51	1366	3.99	1448	4.93	1520	5.88	1593	6.93	1667	8.05						
9600	1269	1378	4.00	1424	4.50	1504	5.49	1574	6.48	1643	7.55								
10050	1329	1437	4.53	1483	5.07	1561	6.10	1629	7.13	1695	8.23								
10500	1388	1498	5.13	1542	5.68	1618	6.75	1685	7.84										

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). **Shaded area indicates reinforced wheel required.**

270 SQN-B



270 SQN-HP



Wheel Diameter: 27"

Tip Speed (FPM) = 7.07 x RPM

270 SQN-B Max. HP = 4.532 x (RPM/1000)³

270 SQN-HP Max. HP = 2.845 x (RPM/1000)³

Outlet Area = 9.18 FT²

Outlet Velocity (FPM) = CFM/9.18

Max. Motor Frame Size: 213T

Reinforced Wheel Requirements:

SQN-B = 876 and greater RPM

SQN-HP = 1025 and greater RPM

270 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5100	555	430	.35	480	.50	560	.80	637	1.15										
5600	610	462	.43	509	.60	586	.91	656	1.28	727	1.69								
6100	664	495	.53	539	.70	614	1.05	679	1.42	743	1.84								
6600	718	529	.63	569	.82	643	1.20	704	1.58	763	2.01	883	3.00						
7100	773	564	.76	600	.96	672	1.37	731	1.77	786	2.20	898	3.22						
7600	827	600	.91	632	1.11	701	1.56	759	1.98	811	2.42	915	3.45	1019	4.60				
8100	882	635	1.07	665	1.28	731	1.76	788	2.22	838	2.67	935	3.70	1033	4.88				
8600	936	671	1.26	699	1.48	760	1.98	817	2.47	866	2.94	958	3.99	1050	5.19	1142	6.50		
9100	991	707	1.46	733	1.69	791	2.22	847	2.75	895	3.25	983	4.31	1069	5.52	1157	6.87		
9600	1045	743	1.69	768	1.93	821	2.47	876	3.04	924	3.57	1009	4.66	1091	5.89	1174	7.26		
10100	1100	779	1.94	802	2.19	853	2.75	906	3.35	954	3.93	1037	5.05	1115	6.29	1193	7.67		
10600	1154	815	2.21	837	2.47	885	3.06	935	3.68	983	4.30	1065	5.47	1140	6.73	1214	8.11		
11100	1209	852	2.52	873	2.79	917	3.38	966	4.04	1013	4.70	1094	5.93	1166	7.19				
11600	1263	889	2.86	909	3.14	951	3.75	996	4.41	1042	5.10	1123	6.41	1194	7.72				
12100	1318	926	3.22	944	3.50	984	4.13	1027	4.82	1072	5.55	1152	6.92						
12600	1372	963	3.62	980	3.90	1018	4.55	1059	5.26	1102	6.01	1182	7.48						
13100	1427	1000	4.04	1017	4.35	1052	4.99	1091	5.72	1132	6.49	1211	8.03						
13600	1481	1036	4.48	1053	4.81	1087	5.48	1124	6.23	1163	7.01								
14100	1535	1073	4.97	1089	5.30	1122	6.00	1157	6.76	1194	7.56								
14600	1590	1109	5.48	1125	5.83	1157	6.55	1190	7.32	1226	8.15								

270 SQN-HP

CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	261	401	.18	523	.37	708	.80	852	1.28	977	1.80								
2850	310	430	.23	540	.42	722	.91	865	1.45	986	2.02	1095	2.61						
3300	359	462	.28	562	.49	736	1.02	878	1.60	999	2.23	1105	2.88	1203	3.57				
3750	408	497	.34	589	.58	752	1.12	892	1.77	1013	2.45	1119	3.16	1215	3.89	1388	5.43	1545	7.06
4200	457	534	.42	620	.68	771	1.24	907	1.93	1026	2.66	1132	3.42	1228	4.21	1399	5.86	1552	7.60
4650	506	573	.51	653	.79	794	1.39	923	2.08	1040	2.87	1146	3.69	1242	4.54	1412	6.29	1563	8.14
5100	555	614	.62	686	.91	820	1.55	942	2.26	1056	3.08	1160	3.95	1255	4.85	1426	6.72		
5550	604	656	.74	722	1.05	850	1.74	965	2.48	1073	3.30	1175	4.21	1269	5.17	1439	7.15		
6000	653	699	.89	760	1.21	881	1.95	990	2.71	1093	3.55	1192	4.49	1284	5.48	1453	7.58		
6450	702	741	1.05	799	1.39	914	2.17	1018	2.98	1116	3.84	1211	4.79	1301	5.81	1467	8.00		
6900	751	784	1.24	840	1.60	947	2.40	1048	3.27	1141	4.15	1232	5.12	1319	6.15				
7350	800	827	1.45	882	1.83	981	2.66	1079	3.57	1169	4.50	1255	5.48	1339	6.53				
7800	849	871	1.68	923	2.08	1017	2.93	1112	3.91	1199	4.89	1281	5.88	1362	6.96				
8250	898	914	1.93	966	2.36	1055	3.25	1145	4.26	1230	5.29	1309	6.32	1386	7.41				
8700	947	958	2.22	1008	2.67	1093	3.58	1179	4.63	1262	5.72	1339	6.80	1413	7.92				
9150	996	1002	2.53	1051	3.00	1133	3.96	1214	5.02	1294	6.16	1370	7.31						
9600	1045	1046	2.87	1094	3.37	1174	4.37	1250	5.45	1327	6.62	1401	7.83						
10050	1094	1090	3.24	1137	3.77	1215	4.80	1287	5.90	1361	7.12								
10500	1143	1135	3.65	1180	4.19	1257	5.28	1325	6.40	1396	7.64								
10950	1192	1180	4.10	1224	4.67	1298	5.78	1365	6.94	1432	8.20								

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). **Shaded area indicates reinforced wheel required.**

300 SQN-B/SQN-HP Data

Wheel Diameter: 30"

Tip Speed (FPM) = 7.85 x RPM

300 SQN-B Max. HP = 7.710 x (RPM/1000)³

300 SQN-HP Max. HP = 4.672 x (RPM/1000)³

Outlet Area = 11.11 FT²

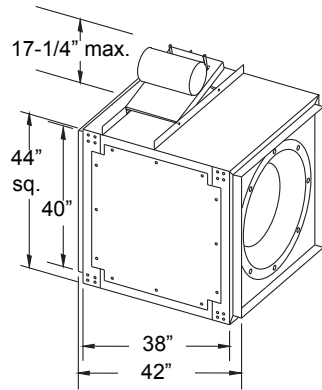
Outlet Velocity (FPM) = CFM/11.11

Max. Motor Frame Size: 215T

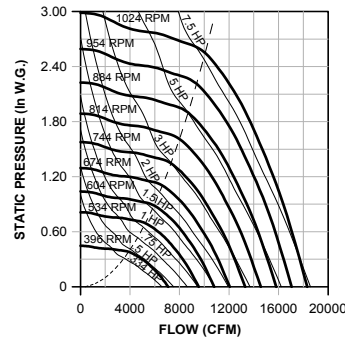
Reinforced Wheel Requirements:

SQN-B = 837 and greater RPM

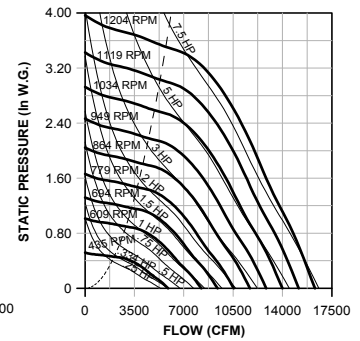
SQN-HP = 980 and greater RPM



300 SQN-B



300 SQN-HP



300 SQN-B

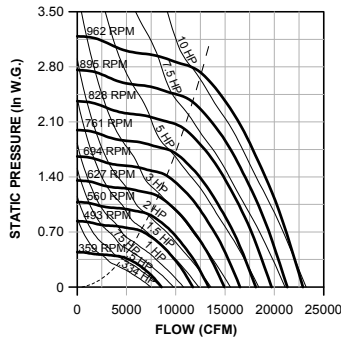
CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6400	576	396	.46	436	.64	509	1.01	579	1.47	643	1.93								
6900	621	422	.55	458	.73	527	1.12	593	1.59	655	2.09								
7400	666	447	.65	480	.84	547	1.26	609	1.73	669	2.26								
7900	711	473	.76	504	.96	567	1.41	626	1.88	683	2.43	789	3.58						
8400	756	499	.89	528	1.10	588	1.57	644	2.05	699	2.61	801	3.82						
8900	801	525	1.03	553	1.25	609	1.74	663	2.24	715	2.80	814	4.07						
9400	846	553	1.19	578	1.42	631	1.93	683	2.46	733	3.02	829	4.33	918	5.70				
9900	891	579	1.36	603	1.60	653	2.12	704	2.69	751	3.25	843	4.57	930	6.01				
10400	936	606	1.56	629	1.80	676	2.34	725	2.94	771	3.53	859	4.85	944	6.35	1024	7.89		
10900	981	632	1.76	655	2.02	700	2.58	746	3.19	791	3.82	876	5.15	958	6.69				
11400	1026	660	2.00	681	2.26	724	2.84	768	3.47	811	4.12	893	5.46	973	7.03				
11900	1071	687	2.25	707	2.52	748	3.11	790	3.77	832	4.44	911	5.80	989	7.40				
12400	1116	715	2.53	733	2.80	773	3.42	813	4.09	854	4.80	930	6.18	1005	7.77				
12900	1161	742	2.82	760	3.10	798	3.74	836	4.42	875	5.15	950	6.60	1022	8.18				
13400	1206	770	3.15	787	3.44	822	4.07	860	4.79	897	5.53	970	7.04						
13900	1251	797	3.48	814	3.79	848	4.45	883	5.16	920	5.94	991	7.51						
14400	1296	824	3.84	841	4.17	874	4.85	908	5.58	943	6.37	1012	8.00						
14900	1341	851	4.22	867	4.55	899	5.25	932	6.01	965	6.80								
15400	1386	878	4.63	894	4.98	925	5.70	957	6.47	989	7.29								
15900	1431	905	5.06	921	5.43	952	6.19	982	6.96	1012	7.77								

300 SQN-HP

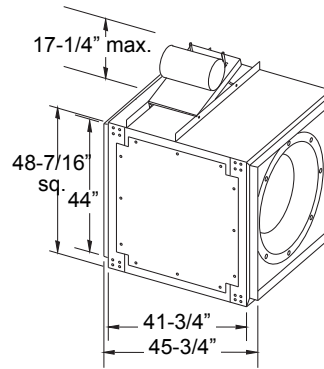
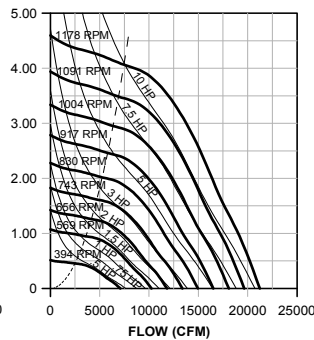
CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4400	396	435	.39	517	.65	664	1.31	794	2.06	910	2.86								
4800	432	459	.45	537	.73	676	1.41	800	2.20	914	3.04								
5200	468	483	.52	557	.81	689	1.51	808	2.33	919	3.23	1020	4.16						
5600	504	508	.60	579	.92	705	1.63	819	2.48	925	3.41	1025	4.39	1117	5.41				
6000	540	532	.69	602	1.03	722	1.75	831	2.63	933	3.59	1030	4.62	1121	5.68				
6400	576	556	.78	626	1.15	740	1.89	845	2.79	944	3.79	1037	4.85	1126	5.96				
6800	612	581	.89	650	1.28	759	2.05	861	2.96	956	3.99	1046	5.09	1132	6.23				
7200	648	606	1.00	674	1.42	780	2.24	877	3.14	969	4.19	1057	5.33	1140	6.51				
7600	684	631	1.13	699	1.58	801	2.43	895	3.35	984	4.41	1069	5.58	1150	6.80				
8000	720	657	1.27	723	1.74	823	2.63	914	3.57	1000	4.65	1082	5.83	1161	7.09				
8400	756	683	1.42	748	1.92	846	2.86	933	3.81	1017	4.90	1097	6.11	1173	7.39				
8800	792	709	1.57	772	2.10	870	3.10	954	4.09	1035	5.18	1112	6.38	1187	7.71				
9200	828	736	1.75	796	2.29	894	3.35	975	4.37	1054	5.48	1129	6.70	1201	8.02				
9600	864	764	1.95	820	2.50	918	3.61	997	4.68	1073	5.80	1146	7.02						
10000	900	791	2.16	845	2.73	942	3.89	1020	5.01	1093	6.14	1164	7.37						
10400	936	819	2.39	870	2.96	967	4.19	1043	5.35	1114	6.52	1183	7.75						
10800	972	847	2.63	895	3.22	991	4.49	1067	5.71	1136	6.92	1203	8.17						
11200	1008	875	2.89	921	3.49	1016	4.82	1090	6.07	1158	7.33								
11600	1044	902	3.15	947	3.78	1040	5.16	1115	6.48	1181	7.78								
12000	1080	930	3.45	974	4.10	1064	5.51	1139	6.89	1204	8.23								

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). **Shaded area indicates reinforced wheel required.**

330 SQN-B



330 SQN-HP



Wheel Diameter: 33"

Tip Speed (FPM) = 8.64 x RPM

330 SQN-B Max. HP = 12.417 x (RPM/1000)³

330 SQN-HP Max. HP = 7.524 x (RPM/1000)³

Outlet Area = 13.44 FT²

Outlet Velocity (FPM) = CFM/13.44

Max. Motor Frame Size: 215T

Reinforced Wheel Requirements:

SQN-B = 716 and greater RPM

SQN-HP = 830 and greater RPM

330 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7700	572	359	.55	394	.76	462	1.22	525	1.76	584	2.33								
8400	625	385	.67	418	.90	481	1.38	541	1.95	597	2.56								
9100	677	412	.81	442	1.05	501	1.56	557	2.13	611	2.79								
9800	729	440	.98	467	1.23	523	1.78	575	2.35	626	3.02	722	4.46						
10500	781	467	1.17	492	1.42	545	2.01	595	2.61	643	3.28	735	4.79						
11200	833	495	1.38	519	1.65	568	2.26	616	2.90	661	3.57	749	5.13	831	6.78				
11900	885	524	1.63	546	1.91	591	2.54	637	3.21	681	3.91	765	5.50	844	7.22				
12600	937	552	1.90	572	2.18	615	2.84	659	3.55	701	4.27	781	5.87	858	7.68	931	9.55		
13300	989	579	2.18	600	2.50	640	3.18	682	3.93	722	4.67	799	6.29	873	8.16	944	10.10		
14000	1041	608	2.51	627	2.84	665	3.54	705	4.32	744	5.12	818	6.76	889	8.65	958	10.70		
14700	1093	637	2.88	655	3.22	691	3.94	729	4.76	766	5.58	837	7.25	906	9.17				
15400	1145	666	3.29	682	3.62	717	4.38	753	5.21	789	6.08	858	7.83	924	9.73				
16100	1197	695	3.73	711	4.08	743	4.84	777	5.69	812	6.61	879	8.43	942	10.30				
16800	1250	724	4.21	739	4.57	770	5.36	802	6.22	835	7.15	900	9.06	962	11.00				
17500	1302	752	4.70	767	5.09	797	5.91	828	6.81	859	7.75	922	9.74						
18200	1354	781	5.26	795	5.65	824	6.50	854	7.43	884	8.41	945	10.50						
18900	1406	809	5.83	823	6.25	852	7.16	880	8.09	909	9.09								
19600	1458	838	6.47	852	6.92	879	7.83	906	8.78	934	9.82								
20300	1510	867	7.15	881	7.64	907	8.57	933	9.55	959	10.60								
21000	1562	896	7.89	910	8.41	934	9.32	960	10.40										

330 SQN-HP

CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5300	394	394	.46	470	.78	603	1.58	722	2.49										
5850	435	419	.55	489	.88	615	1.71	728	2.68	831	3.70								
6400	476	445	.66	511	1.01	630	1.86	737	2.87	836	3.95	928	5.09						
6950	517	470	.77	534	1.16	646	2.02	748	3.07	843	4.20	933	5.41	1017	6.67				
7500	558	495	.89	558	1.32	664	2.20	762	3.28	853	4.47	939	5.72	1021	7.03				
8050	598	520	1.03	583	1.49	684	2.42	777	3.50	865	4.74	948	6.05	1027	7.42	1174	10.30		
8600	639	545	1.18	608	1.68	704	2.64	794	3.75	878	5.02	958	6.38	1034	7.79	1178	10.80		
9150	680	571	1.35	633	1.89	726	2.91	812	4.02	893	5.31	971	6.73	1044	8.18				
9700	721	598	1.54	658	2.11	749	3.20	832	4.34	910	5.64	984	7.07	1056	8.60				
10250	762	625	1.74	683	2.35	773	3.51	852	4.68	927	5.98	999	7.44	1069	9.02				
10800	803	652	1.97	708	2.60	798	3.85	873	5.05	946	6.37	1016	7.85	1083	9.44				
11350	844	681	2.23	733	2.88	822	4.19	896	5.47	966	6.80	1033	8.27	1098	9.88				
11900	885	709	2.51	759	3.18	848	4.58	919	5.90	986	7.26	1052	8.75	1115	10.40				
12450	926	737	2.80	785	3.51	873	4.97	942	6.35	1008	7.77	1071	9.26	1132	10.90				
13000	967	766	3.13	811	3.86	898	5.39	967	6.85	1030	8.31	1091	9.82						
13550	1008	795	3.49	837	4.22	924	5.84	991	7.35	1052	8.86	1112	10.40						
14100	1049	823	3.86	864	4.62	949	6.31	1016	7.89	1076	9.47								
14650	1090	853	4.28	892	5.07	974	6.80	1042	8.48	1100	10.10								
15200	1130	882	4.72	919	5.52	999	7.32	1067	9.08	1125	10.80								
15750	1171	912	5.20	947	6.02	1024	7.86	1092	9.70										

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). **Shaded area indicates reinforced wheel required.**

365 SQN-B/SQN-HP Data

Wheel Diameter: 36.5"

Tip Speed (FPM) = 9.56 x RPM

365 SQN-B Max. HP = 22.752 x (RPM/1000)³

365 SQN-HP Max. HP = 13.184 x (RPM/1000)³

Outlet Area = 14.69 FT²

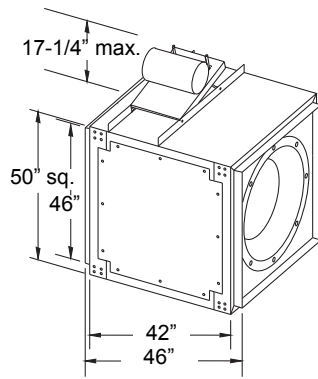
Outlet Velocity (FPM) = CFM/14.69

Max. Motor Frame Size: 215T

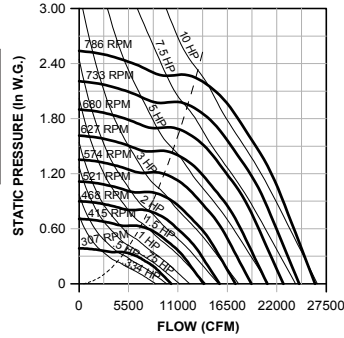
Reinforced Wheel Requirements:

SQN-B = 624 and greater RPM

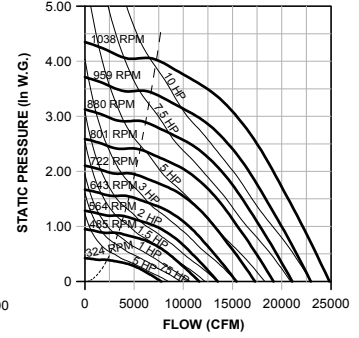
SQN-HP = 735 and greater RPM



365 SQN-B



365 SQN-HP



365 SQN-B

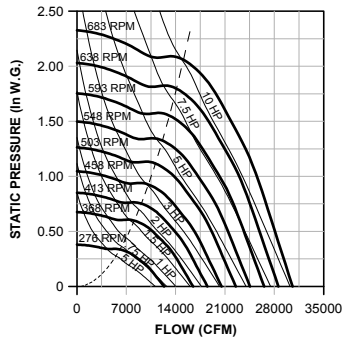
CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	612	307	.64	341	.90	408	1.54	469	2.19	527	2.90								
9700	660	326	.76	357	1.04	421	1.69	478	2.40	534	3.12								
10400	707	345	.89	374	1.18	435	1.87	489	2.63	542	3.39								
11100	755	364	1.04	392	1.35	449	2.06	502	2.87	551	3.67	646	5.36						
11800	803	384	1.21	410	1.54	463	2.26	515	3.10	562	3.97	653	5.69						
12500	850	403	1.39	428	1.73	478	2.49	528	3.34	574	4.27	661	6.08						
13200	898	423	1.60	447	1.96	493	2.73	542	3.62	586	4.57	669	6.48	750	8.49				
13900	945	443	1.83	466	2.21	509	3.00	556	3.91	600	4.91	679	6.93	757	8.95				
14600	993	462	2.07	485	2.47	526	3.29	570	4.23	613	5.23	690	7.37	765	9.48				
15300	1041	482	2.34	504	2.76	544	3.63	585	4.57	627	5.60	702	7.82	774	10.10				
16000	1088	502	2.63	523	3.07	562	3.98	600	4.93	641	6.00	715	8.29	783	10.60				
16700	1136	523	2.97	543	3.42	580	4.35	616	5.32	655	6.41	728	8.76						
17400	1184	543	3.32	562	3.78	598	4.74	633	5.76	669	6.83	742	9.28						
18100	1231	563	3.69	582	4.18	617	5.18	650	6.21	685	7.33	755	9.78						
18800	1279	583	4.08	602	4.61	636	5.64	668	6.71	700	7.82	769	10.30						
19500	1327	603	4.51	622	5.07	655	6.13	686	7.23	717	8.39	783	10.90						
20200	1374	624	4.99	641	5.53	673	6.62	704	7.78	734	8.97								
20900	1422	645	5.51	661	6.04	693	7.20	722	8.36	751	9.58								
21600	1469	665	6.03	681	6.59	712	7.78	740	8.96	768	10.20								
22300	1517	686	6.61	701	7.17	731	8.39	759	9.63	786	10.90								

365 SQN-HP

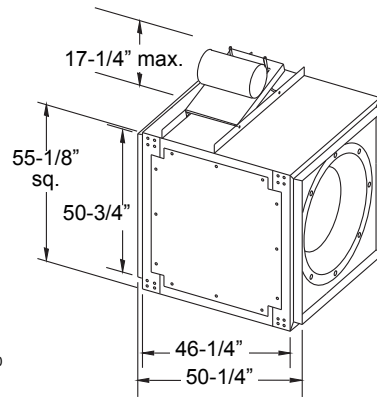
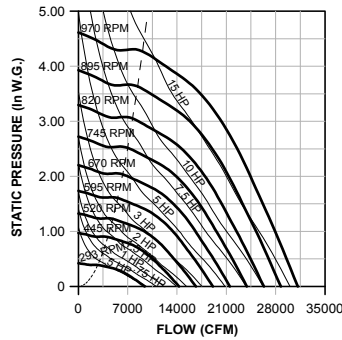
CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5400	367	324	.45	404	.84	538	1.75	644	2.69	734	3.77								
5950	404	341	.52	416	.93	545	1.91	651	2.92	740	4.01								
6500	442	358	.60	429	1.03	553	2.06	658	3.17	747	4.29	826	5.53						
7050	479	376	.70	443	1.14	561	2.19	665	3.41	754	4.61	833	5.86	904	7.22				
7600	517	395	.81	458	1.27	571	2.36	672	3.63	761	4.94	839	6.22	911	7.61	1038	10.70		
8150	554	414	.92	474	1.40	582	2.54	680	3.85	768	5.26	846	6.63	917	8.03				
8700	592	433	1.04	491	1.56	595	2.74	688	4.05	775	5.56	853	7.04	924	8.51				
9250	629	453	1.18	509	1.74	608	2.95	698	4.30	782	5.82	860	7.44	931	9.01				
9800	666	473	1.32	527	1.93	622	3.17	709	4.57	791	6.12	867	7.80	938	9.50				
10350	704	493	1.48	545	2.12	636	3.39	721	4.85	800	6.42	875	8.16	945	9.96				
10900	741	513	1.66	564	2.34	652	3.65	734	5.16	811	6.77	883	8.50	952	10.40				
11450	779	533	1.84	583	2.57	668	3.93	747	5.47	822	7.13	892	8.88	960	10.80				
12000	816	554	2.06	602	2.81	685	4.24	761	5.80	834	7.52	903	9.32						
12550	854	575	2.29	621	3.06	702	4.56	776	6.16	847	7.93	914	9.76						
13100	891	596	2.53	641	3.33	720	4.92	791	6.52	860	8.34	925	10.20						
13650	928	618	2.81	661	3.63	738	5.29	807	6.93	874	8.78	938	10.70						
14200	966	639	3.09	681	3.94	756	5.68	823	7.35	888	9.22								
14750	1003	660	3.40	701	4.26	775	6.10	840	7.82	903	9.71								
15300	1041	682	3.74	721	4.61	794	6.54	858	8.33	919	10.20								
15850	1078	704	4.10	742	4.99	813	6.99	875	8.83	934	10.70								

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). **Shaded area indicates reinforced wheel required.**

402 SQN-B



402 SQN-HP



Wheel Diameter: 40.25"
Tip Speed (FPM) = 10.54 x RPM
Max. HP = 37.101 x (RPM/1000)³
Outlet Area = 17.87 FT²
Outlet Velocity (FPM) = CFM/17.87
Max. Motor Frame Size: 215T
Reinforced Wheel Requirements:
 SQN-B = 539 and greater RPM
 SQN-HP = 630 and greater RPM

402 SQN-B

CFM	OV	0.125" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10800	604	276	.76	307	1.08	369	1.85	424	2.62										
11600	649	292	.89	321	1.23	380	2.03	432	2.87	483	3.73								
12400	693	308	1.03	335	1.39	391	2.21	441	3.12	489	4.01								
13200	738	324	1.19	350	1.57	403	2.42	451	3.38	497	4.34								
14000	783	341	1.38	365	1.77	415	2.65	462	3.64	505	4.66	590	6.75						
14800	828	357	1.58	381	2.00	427	2.89	473	3.91	515	5.01	596	7.15						
15600	872	374	1.80	396	2.23	440	3.17	485	4.22	526	5.37	603	7.62	677	10.00				
16400	917	391	2.05	412	2.49	453	3.45	497	4.55	537	5.72	611	8.12	683	10.50				
17200	962	408	2.32	429	2.80	467	3.77	509	4.89	548	6.09	620	8.63						
18000	1007	425	2.62	445	3.11	482	4.12	521	5.26	560	6.50	629	9.12						
18800	1052	441	2.91	461	3.44	497	4.50	534	5.66	571	6.90	640	9.66						
19600	1096	459	3.28	477	3.79	512	4.89	547	6.08	583	7.35	651	10.20						
20400	1141	476	3.64	494	4.19	528	5.34	561	6.54	595	7.82	662	10.70						
21200	1186	493	4.04	511	4.62	543	5.77	575	7.02	608	8.35								
22000	1231	510	4.46	527	5.05	559	6.27	590	7.56	621	8.90								
22800	1275	527	4.91	544	5.54	575	6.79	604	8.08	634	9.46								
23600	1320	545	5.42	561	6.05	591	7.34	620	8.70	648	10.10								
24400	1365	562	5.94	578	6.60	608	7.96	635	9.31	662	10.70								
25200	1410	580	6.52	595	7.18	624	8.57	651	9.99										
26000	1454	597	7.10	612	7.80	640	9.22	666	10.70										

402 SQN-HP

CFM	OV	0.250" SP		0.500" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	363	293	.54	366	1.01	488	2.11	584	3.26										
7350	411	312	.65	379	1.15	496	2.36	592	3.61	673	4.94	745	6.43						
8200	458	332	.79	394	1.31	505	2.58	600	3.99	681	5.39	752	6.89	817	8.53				
9050	506	353	.94	411	1.49	515	2.80	608	4.35	688	5.87	760	7.44	824	9.09				
9900	554	375	1.11	430	1.71	528	3.08	617	4.68	696	6.37	768	8.07	832	9.75	947	13.50		
10750	601	397	1.30	449	1.94	542	3.38	627	5.02	705	6.85	776	8.71	840	10.50	955	14.30		
11600	649	420	1.52	470	2.23	558	3.72	639	5.41	714	7.28	784	9.30	848	11.30	963	15.20		
12450	696	443	1.76	491	2.53	574	4.06	652	5.83	724	7.73	792	9.82	856	12.00	970	16.20		
13300	744	467	2.04	513	2.87	592	4.45	667	6.31	736	8.25	802	10.40	865	12.70				
14150	791	490	2.33	534	3.21	611	4.90	682	6.79	749	8.82	813	11.00	874	13.30				
15000	839	514	2.67	557	3.60	631	5.40	699	7.33	763	9.42	825	11.60	884	14.00				
15850	886	539	3.05	579	4.00	651	5.92	716	7.88	779	10.10	838	12.40	895	14.70				
16700	934	563	3.46	602	4.46	672	6.51	734	8.49	795	10.80	852	13.10	908	15.60				
17550	982	587	3.90	625	4.94	693	7.12	753	9.17	811	11.40	867	13.90	921	16.40				
18400	1029	613	4.42	648	5.46	715	7.78	773	9.92	829	12.20	883	14.70						
19250	1077	638	4.97	672	6.04	736	8.45	793	10.70	847	13.00	900	15.60						
20100	1124	662	5.53	696	6.67	758	9.17	814	11.60	866	13.90								
20950	1172	687	6.16	720	7.34	780	9.92	835	12.50	886	14.90								
21800	1219	713	6.87	744	8.06	803	10.70	856	13.40	906	16.00								
22650	1267	739	7.64	768	8.82	825	11.60	878	14.40										

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). **Shaded area indicates reinforced wheel required.**

70SQN10D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts									L _{WA}
			Octave Bands									
			1	2	3	4	5	6	7	8		
1355	0	Inlet	52	58	56	54	42	41	36	28	54	
		Outlet	70	65	57	55	49	43	37	28	57	
	0.1	Inlet	52	59	56	54	42	41	36	29	54	
		Outlet	71	67	58	55	50	43	38	29	57	
	0.125	Inlet	52	59	56	54	43	41	36	29	54	
		Outlet	71	67	58	55	50	43	38	29	57	
	0.25	Inlet	52	58	54	52	42	40	35	27	52	
		Outlet	72	67	57	52	49	42	36	27	56	
	0.375	Inlet	52	58	53	51	43	40	35	28	52	
		Outlet	72	67	55	51	48	42	36	27	56	

70SQN12D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
1415	0	Inlet	52	60	57	56	44	43	39	31	55
		Outlet	73	68	60	58	53	46	41	33	60
	0.1	Inlet	52	60	57	55	43	42	38	30	55
		Outlet	72	68	60	58	52	46	41	32	59
	0.125	Inlet	53	60	57	55	43	42	37	30	55
		Outlet	72	68	60	57	52	45	40	32	59
	0.25	Inlet	54	60	55	53	43	41	36	29	53
		Outlet	73	68	59	54	50	44	39	31	58

70SQN15D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts									L _{WA}
			Octave Bands									
			1	2	3	4	5	6	7	8		
1656	0	Inlet	56	63	61	59	48	46	43	36	59	
		Outlet	75	74	63	61	56	50	46	38	64	
	0.1	Inlet	55	63	60	58	47	45	42	35	58	
		Outlet	74	73	62	60	55	49	44	36	63	
	0.125	Inlet	55	63	60	58	46	45	41	34	58	
		Outlet	74	73	62	60	55	48	44	36	62	
	0.25	Inlet	55	63	58	56	46	43	39	32	56	
		Outlet	74	73	61	57	53	46	41	34	61	
	0.375	Inlet	55	62	55	52	45	42	37	30	54	
		Outlet	74	73	58	53	51	44	38	31	60	

90SQN10D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts									L _{WA}
			Octave Bands									
			1	2	3	4	5	6	7	8		
1420	0	Inlet	63	68	66	63	55	51	45	37	63	
		Outlet	79	65	68	62	57	55	46	38	64	
	0.1	Inlet	63	67	66	62	54	50	44	36	63	
		Outlet	78	65	68	61	56	54	46	37	64	
	0.125	Inlet	63	67	66	62	54	50	44	36	63	
		Outlet	78	65	68	61	56	53	46	37	64	
	0.25	Inlet	63	68	66	62	54	49	44	37	63	
		Outlet	79	66	68	61	56	53	46	37	64	
	0.375	Inlet	64	68	67	62	55	50	46	38	63	
		Outlet	80	67	69	61	57	53	47	38	65	
	0.5	Inlet	66	68	67	62	55	50	46	39	63	
		Outlet	82	69	69	61	57	53	47	39	65	
	0.625	Inlet	66	67	66	62	55	50	47	40	63	
		Outlet	83	71	69	61	57	53	47	40	65	

90SQN12D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1600	0	Inlet	67	71	70	67	60	56	50	43	68
		Outlet	82	72	72	67	62	60	53	45	69
	0.1	Inlet	67	70	70	66	59	55	50	43	67
		Outlet	82	71	72	67	62	59	52	44	69
	0.125	Inlet	67	70	70	66	59	55	49	42	67
		Outlet	81	71	72	67	62	59	52	44	69
	0.25	Inlet	67	69	69	66	58	54	49	42	67
		Outlet	82	70	71	66	61	58	51	43	68
	0.375	Inlet	66	69	70	66	58	53	49	42	66
		Outlet	83	69	71	65	60	57	51	43	68
	0.5	Inlet	66	69	70	65	58	53	49	42	66
		Outlet	83	69	71	63	59	56	50	42	67
	0.625	Inlet	66	69	68	64	57	52	49	42	65
		Outlet	83	69	70	63	59	55	49	42	67

90SQN15D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1710	0	Inlet	68	69	72	69	62	57	54	46	70
		Outlet	84	71	73	69	65	62	56	48	71
	0.1	Inlet	68	69	71	69	61	57	53	45	69
		Outlet	84	72	73	69	64	61	55	47	71
	0.125	Inlet	68	69	71	69	61	57	52	45	69
		Outlet	84	72	73	69	64	61	55	47	71
	0.25	Inlet	67	69	71	68	61	56	51	45	68
		Outlet	84	72	72	68	63	60	54	46	70
	0.375	Inlet	68	68	71	68	60	55	51	45	68
		Outlet	85	71	72	67	62	59	53	46	70
	0.5	Inlet	68	68	71	68	60	55	51	44	68
		Outlet	85	70	72	66	62	58	52	45	69
	0.625	Inlet	68	69	70	67	59	54	50	44	67
		Outlet	84	69	72	64	61	57	51	44	68

100SQN10D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1312	0	Inlet	59	62	67	61	56	52	48	40	63
		Outlet	75	65	67	59	64	55	49	40	66
	0.1	Inlet	59	62	67	60	55	50	47	38	62
		Outlet	74	63	64	57	61	54	47	39	64
	0.125	Inlet	59	62	66	59	55	49	46	38	62
		Outlet	73	62	63	57	60	53	47	39	63
	0.25	Inlet	58	61	64	58	53	47	44	37	60
		Outlet	73	60	61	55	57	52	46	38	61
	0.375	Inlet	64	62	62	57	53	47	44	37	59
		Outlet	79	61	60	55	56	53	46	38	61
	0.5	Inlet	72	63	63	57	54	49	45	38	60
		Outlet	86	63	61	56	57	54	46	38	64
	0.625	Inlet	71	65	64	58	55	50	47	40	61
		Outlet	86	64	63	58	58	54	48	41	64

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet L_{Wi}, L_{WA} and outlet L_{Wo}, L_{WA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

100SQN12D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _w A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1500	0	Inlet	63	64	70	65	59	56	52	45	66
		Outlet	77	64	67	61	67	60	53	45	69
	0.1	Inlet	65	64	69	64	58	54	51	44	66
		Outlet	78	64	67	61	65	59	52	44	68
	0.125	Inlet	65	64	69	64	58	54	51	44	65
		Outlet	78	64	67	61	64	59	52	44	67
	0.25	Inlet	67	64	68	63	57	52	50	43	64
		Outlet	78	64	67	60	62	57	51	43	66
	0.375	Inlet	66	63	66	61	56	51	49	42	63
		Outlet	80	62	65	59	60	57	50	43	65
	0.5	Inlet	64	61	64	59	55	51	48	42	61
		Outlet	83	61	62	57	58	57	50	42	64
	0.625	Inlet	72	67	66	61	57	52	49	43	63
		Outlet	87	66	64	59	60	58	51	43	66
	0.75	Inlet	72	67	66	61	57	52	50	44	64
		Outlet	87	67	65	60	60	57	51	44	67

100SQN15D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _w A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1677	0	Inlet	67	65	72	69	62	58	55	49	70
		Outlet	80	68	70	64	68	63	56	48	71
	0.1	Inlet	66	65	71	68	61	57	54	48	69
		Outlet	80	67	70	64	67	62	55	48	70
	0.125	Inlet	66	65	71	68	61	57	54	48	69
		Outlet	81	67	70	64	67	62	55	48	70
	0.25	Inlet	65	65	70	67	60	56	53	47	68
		Outlet	81	67	70	63	65	61	55	47	69
	0.375	Inlet	65	64	69	66	60	55	53	47	67
		Outlet	81	66	69	62	63	60	54	47	68
	0.5	Inlet	65	63	68	64	59	54	52	46	66
		Outlet	82	65	67	61	61	59	54	46	67
	0.625	Inlet	69	64	67	63	58	54	51	45	65
		Outlet	85	66	65	61	61	59	53	46	67
	0.75	Inlet	73	68	68	63	59	54	52	46	65
		Outlet	88	69	66	61	61	60	54	46	68

120SQN10D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _w A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1145	0	Inlet	63	68	71	64	59	64	50	43	69
		Outlet	74	77	65	62	64	63	51	43	69
	0.1	Inlet	64	68	70	63	57	61	49	42	67
		Outlet	74	77	64	61	63	60	49	42	68
	0.125	Inlet	64	68	69	63	57	60	49	42	66
		Outlet	74	77	64	61	63	60	49	42	67
	0.25	Inlet	65	69	68	62	54	57	47	41	64
		Outlet	74	76	64	60	61	57	47	40	66
	0.375	Inlet	60	66	66	59	52	52	45	40	62
		Outlet	71	73	62	58	59	54	46	39	64
	0.5	Inlet	67	65	64	57	51	49	44	39	60
		Outlet	77	71	61	57	57	53	45	38	62

120SQN17D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _w A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1725	0	Inlet	76	76	80	79	72	72	68	56	80
		Outlet	85	81	83	71	72	73	68	56	80
	0.125	Inlet	76	76	80	78	71	71	67	56	79
		Outlet	85	81	83	70	72	73	67	56	79
	0.25	Inlet	76	77	80	78	70	69	65	55	78
		Outlet	85	82	83	70	71	72	66	55	79
	0.375	Inlet	77	78	79	77	70	68	64	55	78
		Outlet	85	82	82	69	70	71	64	55	78
	0.5	Inlet	77	79	79	76	69	66	62	54	77
		Outlet	84	82	82	69	70	70	63	54	78
	0.625	Inlet	77	80	79	76	69	65	61	53	77
		Outlet	84	82	82	68	69	69	62	53	77
	0.75	Inlet	75	78	78	74	68	63	59	53	75
		Outlet	83	80	81	68	68	68	61	53	76
	0.875	Inlet	74	75	77	73	67	61	58	52	74
		Outlet	83	78	80	68	68	67	60	52	75
	1	Inlet	77	75	76	72	65	60	57	51	73
		Outlet	85	76	79	67	67	66	59	51	74

135SQN10D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _w A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1102	0	Inlet	62	68	74	67	64	69	56	46	73
		Outlet	69	75	65	65	67	66	55	46	71
	0.1	Inlet	61	67	74	66	63	67	54	45	72
		Outlet	68	73	64	64	66	65	54	45	70
	0.125	Inlet	61	67	74	66	63	66	54	45	71
		Outlet	67	72	63	64	66	64	53	45	70
	0.25	Inlet	60	66	74	65	62	64	51	43	70
		Outlet	66	70	62	62	65	62	51	43	68
	0.375	Inlet	60	64	72	63	60	61	48	42	68
		Outlet	66	68	60	61	63	60	50	42	66
	0.5	Inlet	62	62	69	61	56	55	47	41	64
		Outlet	68	66	60	59	60	57	49	42	64
	0.625	Inlet	69	68	67	61	55	54	48	42	63
		Outlet	73	69	62	61	60	57	51	43	65

135SQN17D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _w A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1725	0	Inlet	76	77	85	82	76	77	76	62	85
		Outlet	81	79	84	73	75	77	74	62	82
	0.125	Inlet	75	76	85	82	75	77	75	61	84
		Outlet	81	78	83	72	75	76	73	61	82
	0.25	Inlet	75	76	85	81	75	76	74	61	84
		Outlet	80	77	82	72	74	76	72	60	81
	0.375	Inlet	74	76	85	81	75	76	73	60	83
		Outlet	80	76	81	71	74	75	71	60	80
	0.5	Inlet	74	75	85	81	74	75	72	59	83
		Outlet	79	75	80	70	73	75	70	59	80
	0.625	Inlet	74	75	85	80	73	74	70	58	82
		Outlet	79	74	79	70	73	74	69	58	79
	0.75	Inlet	74	74	84	79	73	73	69	58	81
		Outlet	79	74	79	69	72	74	68	58	78
	0.875	Inlet	75	74	83	78	72	73	67	57	80
		Outlet	80	73	78	69	72	73	67	58	78
	1	Inlet	76	73	82	77	71	70	65	56	79
		Outlet	80	72	77	68	71	72	66	57	77
	1.25	Inlet	79	75	80	75	69	67	62	56	77
		Outlet	82	73	77	68	69	70	65	57	76
	1.5	Inlet	82	81	80	74	69	63	62	56	76
		Outlet	85	78	77	70	69	69	65	57	76

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet L_{wi}, L_{wA} and outlet L_{wo}, L_{wA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

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150SQN10D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1103	0	Inlet	68	73	80	75	67	66	58	51	76
		Outlet	71	78	69	71	71	69	60	52	75
	0.1	Inlet	67	72	79	74	66	65	58	51	75
		Outlet	70	78	68	70	71	68	59	52	75
	0.125	Inlet	67	72	79	74	66	65	58	51	75
		Outlet	70	78	68	70	70	68	59	52	74
	0.25	Inlet	66	71	78	73	65	64	57	51	74
		Outlet	69	78	67	69	70	67	59	51	74
	0.375	Inlet	65	70	78	72	64	63	57	51	73
		Outlet	67	78	66	68	69	66	58	51	73
	0.5	Inlet	64	70	78	70	63	62	56	50	73
		Outlet	66	79	65	67	68	65	58	52	72
	0.625	Inlet	62	68	75	68	61	60	55	50	70
		Outlet	65	78	63	65	66	64	57	51	71
	0.75	Inlet	70	71	71	66	59	58	53	48	68
		Outlet	73	77	65	64	65	62	56	49	69

150SQN17D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1725	0	Inlet	80	82	88	88	81	76	73	65	88
		Outlet	79	83	84	79	80	80	75	66	85
	0.125	Inlet	79	81	88	88	80	75	73	65	88
		Outlet	78	83	84	78	80	80	75	65	85
	0.25	Inlet	79	81	88	87	80	75	73	65	87
		Outlet	78	83	84	78	80	79	75	65	85
	0.375	Inlet	79	80	88	87	80	75	72	65	87
		Outlet	78	82	85	78	79	79	74	65	85
	0.5	Inlet	78	80	88	87	80	75	72	64	87
		Outlet	77	82	85	77	79	79	74	65	84
	0.625	Inlet	78	79	88	86	79	74	72	64	86
		Outlet	77	82	85	77	79	78	74	65	84
	0.75	Inlet	77	79	88	86	79	74	71	64	86
		Outlet	76	82	85	77	78	78	74	65	84
	0.875	Inlet	77	78	88	86	79	73	71	64	86
		Outlet	76	81	85	76	78	78	73	65	84
	1	Inlet	77	78	88	85	78	73	71	64	86
		Outlet	76	81	86	76	77	77	73	65	84
	1.25	Inlet	76	76	87	84	76	71	70	63	84
		Outlet	75	80	86	75	76	76	73	65	83
	1.5	Inlet	76	74	85	81	74	70	68	63	82
		Outlet	74	79	86	73	75	75	72	65	82
	1.75	Inlet	83	82	83	78	72	68	66	60	80
		Outlet	81	82	84	74	74	74	70	63	81

165SQN10D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1114	0	Inlet	72	76	84	77	69	69	62	55	79
		Outlet	78	79	71	73	74	71	63	56	78
	0.1	Inlet	71	75	84	76	68	68	62	55	79
		Outlet	77	78	71	72	73	70	63	55	77
	0.125	Inlet	70	75	84	76	68	68	62	55	79
		Outlet	77	78	70	72	73	70	62	55	77
	0.25	Inlet	69	74	84	75	67	67	61	54	78
		Outlet	77	77	70	71	73	69	62	55	76
	0.375	Inlet	68	73	84	74	66	66	60	53	78
		Outlet	77	77	69	71	72	69	61	54	75
	0.5	Inlet	66	72	85	73	65	65	59	53	78
		Outlet	77	76	68	70	71	68	60	54	75
	0.625	Inlet	65	71	83	72	64	64	58	52	76
		Outlet	72	75	66	68	69	67	59	53	73
	0.75	Inlet	65	70	81	70	63	63	56	51	74
		Outlet	68	75	65	67	67	65	58	52	71
	0.875	Inlet	71	71	77	68	62	61	55	50	72
		Outlet	74	75	66	67	66	64	57	51	71

165SQN17D

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1725	0	Inlet	84	84	92	91	82	78	77	69	91
		Outlet	86	88	84	81	83	82	78	69	88
	0.125	Inlet	84	84	92	91	81	78	76	68	91
		Outlet	86	88	84	81	82	82	77	69	87
	0.25	Inlet	83	83	93	91	81	78	76	68	91
		Outlet	86	88	83	81	82	82	77	69	87
	0.375	Inlet	83	83	93	91	81	77	76	68	91
		Outlet	86	88	83	80	82	81	77	68	87
	0.5	Inlet	82	82	93	91	81	77	75	68	91
		Outlet	86	88	83	80	82	81	77	68	87
	0.625	Inlet	82	81	93	91	80	77	75	67	91
		Outlet	86	87	83	80	81	81	76	68	86
	0.75	Inlet	81	81	94	91	80	76	75	67	90
		Outlet	86	87	83	80	81	81	76	68	86
	0.875	Inlet	81	80	94	91	80	76	74	67	90
		Outlet	86	87	82	79	81	80	76	68	86
	1	Inlet	80	80	94	91	79	76	74	67	90
		Outlet	86	87	82	79	80	80	75	67	86
	1.25	Inlet	79	78	94	90	79	75	73	66	90
		Outlet	84	85	82	78	79	79	75	67	85
	1.5	Inlet	78	76	93	88	77	74	72	65	88
		Outlet	81	82	82	76	78	78	74	66	83
	1.75	Inlet	79	76	91	86	76	73	71	64	87
		Outlet	80	80	82	75	77	76	73	66	82
	2	Inlet	85	81	88	83	75	72	69	63	84
		Outlet	85	83	82	76	76	75	72	65	82

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i, LW_iA and outlet LW_o, LW_oA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

70SQN17DEC

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
432	0	Inlet	36	29	28	19	17	15	16	17	25
		Outlet	48	35	37	30	20	15	19	22	33
863	0	Inlet	51	56	49	47	36	33	30	31	48
		Outlet	71	63	50	52	45	35	30	34	54
	0.1	Inlet	48	57	51	46	35	33	30	31	48
		Outlet	70	62	52	52	44	34	30	34	53
1294	0	Inlet	55	62	65	55	48	43	39	36	59
		Outlet	74	71	67	58	54	47	40	37	62
	0.1	Inlet	54	61	64	54	47	41	38	35	58
		Outlet	72	69	66	57	53	45	39	37	61
	0.125	Inlet	53	61	65	54	47	41	38	35	58
		Outlet	72	69	66	57	52	45	39	37	61
	0.25	Inlet	52	59	63	52	46	40	36	34	57
		Outlet	71	67	63	55	51	43	37	37	59
1725	0	Inlet	54	68	64	61	51	49	46	40	62
		Outlet	76	75	66	64	58	52	48	42	66
	0.1	Inlet	53	68	64	60	50	48	44	39	61
		Outlet	75	72	65	63	57	51	46	41	64
	0.125	Inlet	53	67	64	60	50	48	44	39	61
		Outlet	75	71	65	63	57	51	45	41	64
	0.25	Inlet	51	66	62	58	50	47	42	39	60
		Outlet	74	70	63	60	56	49	43	41	62
	0.375	Inlet	51	66	61	56	48	46	40	37	58
		Outlet	74	69	61	57	54	47	41	40	60

90SQN17DEC

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
432	0	Inlet	34	35	33	27	23	18	19	20	30
		Outlet	45	44	37	32	27	19	22	25	35
863	0	Inlet	52	55	54	52	43	38	33	34	52
		Outlet	73	60	59	52	47	42	34	37	55
	0.1	Inlet	52	55	53	50	42	37	33	34	51
		Outlet	72	60	59	51	46	42	34	37	55
863	0.125	Inlet	52	55	52	50	42	37	33	34	50
		Outlet	72	59	57	50	45	41	34	37	54
1294	0	Inlet	59	64	68	62	56	50	45	40	64
		Outlet	77	71	69	63	58	54	47	42	66
	0.1	Inlet	59	63	69	61	55	49	44	40	63
		Outlet	77	71	69	63	58	53	47	42	65
	0.125	Inlet	59	63	69	61	55	49	44	40	63
		Outlet	77	71	69	63	58	53	46	42	65
	0.25	Inlet	58	63	69	60	55	49	44	41	63
		Outlet	77	71	69	62	57	52	46	42	65
	0.375	Inlet	58	62	66	57	52	47	43	40	60
		Outlet	76	69	66	59	55	50	44	41	63
1725	0	Inlet	67	68	73	70	63	58	55	48	70
		Outlet	87	71	73	69	67	62	56	49	72
	0.1	Inlet	67	67	73	69	62	58	54	47	70
		Outlet	87	70	73	69	66	62	55	49	72
	0.125	Inlet	67	67	73	69	62	58	54	47	70
		Outlet	87	70	73	69	66	62	55	49	72
	0.25	Inlet	66	67	73	69	62	57	53	47	69
		Outlet	87	70	73	68	65	61	54	48	71
	0.375	Inlet	66	67	73	69	61	57	53	48	70
		Outlet	87	70	73	68	65	61	54	48	71
	0.5	Inlet	66	67	72	67	60	56	52	47	68
		Outlet	88	70	73	67	64	60	53	48	71
	0.625	Inlet	65	66	69	65	58	54	50	46	66
		Outlet	87	70	72	64	63	58	51	46	69

100SQN17DEC

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
462	0	Inlet	35	36	34	32	26	20	15	10	33
		Outlet	48	42	38	35	30	23	22	21	37
883	0	Inlet	55	54	54	50	46	40	34	29	52
		Outlet	69	62	55	52	49	43	36	35	55
	0.1	Inlet	55	53	52	49	45	36	32	29	50
		Outlet	69	60	52	50	47	41	35	35	53
	0.125	Inlet	55	52	51	48	45	35	32	29	50
		Outlet	69	59	51	49	47	41	35	35	53
1304	0	Inlet	60	63	69	61	56	52	46	41	64
		Outlet	73	68	67	60	58	55	49	43	64
	0.1	Inlet	59	62	68	60	55	51	45	40	63
		Outlet	73	67	66	59	57	54	48	42	63
	0.125	Inlet	59	62	68	60	55	50	45	40	63
		Outlet	73	67	66	59	57	54	48	42	63
	0.25	Inlet	59	62	66	58	54	49	43	39	61
		Outlet	72	67	65	57	56	53	47	41	62
	0.375	Inlet	58	60	63	56	52	48	42	38	59
		Outlet	72	66	64	56	56	52	45	40	61
1725	0	Inlet	68	63	74	69	62	58	56	49	70
		Outlet	83	67	69	65	64	64	58	50	70
	0.1	Inlet	67	62	73	69	61	58	55	49	70
		Outlet	83	67	68	64	63	63	57	50	69
	0.125	Inlet	67	62	73	68	61	58	55	49	70
		Outlet	83	67	68	64	63	63	57	50	69
	0.25	Inlet	66	62	72	67	61	57	54	48	69
		Outlet	82	66	67	63	63	63	56	49	69
	0.375	Inlet	65	62	72	66	60	56	53	47	68
		Outlet	82	66	66	63	62	62	56	48	68
	0.5	Inlet	64	62	70	65	59	55	52	47	67
		Outlet	82	65	66	62	62	62	55	48	68
	0.625	Inlet	64	61	68	63	58	54	51	46	65
		Outlet	82	64	65	61	61	61	54	47	67
0.75	Inlet	70	67	68	63	59	54	52	46	65	
	Outlet	85	68	66	61	61	61	54	47	67	

The sound power level ratings shown are in decibels referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i, LW_{WA} and outlet LW_o, LW_{WA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

120SQN17DEC

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
462	0	Inlet	45	45	42	40	39	29	24	19	43
		Outlet	51	44	44	48	40	30	24	19	47
883	0	Inlet	59	64	62	58	54	53	43	37	61
		Outlet	70	65	57	58	62	54	43	38	64
	0.1	Inlet	58	63	61	56	50	49	41	37	58
		Outlet	68	64	56	57	59	51	42	37	61
	0.125	Inlet	58	63	60	56	50	48	41	37	58
		Outlet	67	63	56	57	58	50	41	37	61
	0.25	Inlet	59	61	56	52	45	44	38	35	54
		Outlet	68	64	55	57	57	47	39	37	60
1304	0	Inlet	65	70	77	68	64	63	58	48	72
		Outlet	75	73	71	66	68	67	58	48	72
	0.1	Inlet	64	69	76	68	63	61	56	48	71
		Outlet	74	72	71	66	67	65	57	47	71
	0.125	Inlet	64	69	76	67	63	61	56	48	71
		Outlet	74	72	71	66	67	65	57	47	71
	0.25	Inlet	63	68	75	66	61	59	54	47	70
		Outlet	73	71	70	65	66	63	55	47	70
	0.375	Inlet	63	67	74	65	60	57	52	46	68
		Outlet	72	70	70	65	65	61	53	46	69
	0.5	Inlet	62	66	72	63	58	55	51	45	66
		Outlet	71	70	70	64	64	60	52	46	68
0.625	Inlet	66	68	71	61	56	53	49	44	65	
	Outlet	73	71	69	63	63	59	50	45	68	
1725	0	Inlet	73	71	80	77	68	71	68	58	78
		Outlet	82	76	73	72	73	74	70	57	79
	0.1	Inlet	72	70	80	76	68	70	67	57	78
		Outlet	81	76	73	72	73	73	69	57	78
	0.125	Inlet	72	70	80	76	67	70	67	57	78
		Outlet	81	76	73	72	73	73	69	57	78
	0.25	Inlet	72	70	79	75	67	69	66	57	77
		Outlet	80	75	72	72	72	72	67	56	77
	0.375	Inlet	71	69	78	74	66	68	64	56	76
		Outlet	79	75	72	71	72	70	66	56	76
	0.5	Inlet	71	69	77	74	66	67	63	55	75
		Outlet	78	74	71	71	72	69	64	55	76
	0.625	Inlet	70	68	77	73	65	66	62	55	74
		Outlet	77	74	71	71	71	68	63	54	75
	0.75	Inlet	69	67	75	72	64	65	61	54	73
		Outlet	76	73	71	70	70	67	62	54	74
	0.875	Inlet	70	67	74	70	63	63	59	54	72
		Outlet	75	73	70	69	70	67	61	54	74
	1	Inlet	72	70	74	69	62	62	58	53	71
		Outlet	76	73	70	69	69	66	60	53	73

135SQN17DEC

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
600	0	Inlet	54	59	52	47	48	42	32	24	52
		Outlet	61	62	50	50	51	44	34	26	54
	0.1	Inlet	52	57	50	44	41	37	30	23	48
		Outlet	61	60	49	48	45	39	31	25	51
	0.125	Inlet	52	57	49	43	40	36	29	23	47
		Outlet	60	60	49	48	44	38	31	25	50
975	0	Inlet	64	69	69	62	57	60	50	40	66
		Outlet	70	71	64	61	61	61	51	42	67
	0.1	Inlet	64	68	68	61	55	57	48	40	64
		Outlet	70	71	64	61	60	59	49	41	65
	0.125	Inlet	64	68	68	61	55	56	48	39	64
		Outlet	71	71	64	60	60	58	49	41	65
	0.25	Inlet	63	67	67	59	53	53	46	38	62
		Outlet	71	70	63	60	58	55	47	40	64
	0.375	Inlet	62	65	64	57	50	50	44	37	60
		Outlet	70	69	62	59	58	53	45	39	63
1350	0	Inlet	69	74	80	71	65	66	65	53	75
		Outlet	76	76	76	68	68	68	64	53	74
	0.1	Inlet	69	73	79	71	65	65	63	52	75
		Outlet	76	76	75	68	68	67	63	53	74
	0.125	Inlet	69	73	79	70	64	65	63	52	74
		Outlet	76	76	75	68	68	67	63	53	74
	0.25	Inlet	68	73	79	70	64	64	61	51	74
		Outlet	76	75	75	68	67	66	62	52	73
	0.375	Inlet	68	73	78	69	63	62	59	50	73
		Outlet	76	75	74	67	67	65	60	51	72
	0.5	Inlet	67	72	78	69	62	61	58	49	72
		Outlet	76	74	73	67	66	64	59	50	72
	0.625	Inlet	66	71	77	68	61	59	56	49	71
		Outlet	74	74	73	67	66	63	57	50	71
	0.75	Inlet	66	70	74	66	60	58	55	48	69
		Outlet	73	73	72	66	65	62	56	50	70
	0.875	Inlet	70	72	74	65	60	58	54	48	69
		Outlet	76	75	73	67	66	62	56	50	71
1725	0	Inlet	76	75	83	78	69	72	76	64	81
		Outlet	82	81	76	74	74	72	75	63	80
	0.1	Inlet	76	75	83	78	68	71	75	64	81
		Outlet	82	81	76	74	74	72	74	63	80
	0.125	Inlet	76	75	83	78	68	71	74	63	81
		Outlet	82	80	76	74	74	72	74	63	80
	0.25	Inlet	75	74	83	78	68	71	73	62	80
		Outlet	82	80	75	73	73	72	73	62	79
	0.375	Inlet	75	74	82	78	67	70	72	62	80
		Outlet	82	80	75	73	73	71	72	61	79
	0.5	Inlet	74	74	82	78	67	70	71	61	79
		Outlet	82	79	75	73	73	71	71	61	78
	0.625	Inlet	73	74	82	77	67	69	69	60	79
		Outlet	82	79	74	73	73	71	70	60	78
	0.75	Inlet	73	74	82	77	66	69	68	59	79
		Outlet	82	79	74	73	73	70	69	59	78
	0.875	Inlet	72	73	81	76	66	68	67	58	78
		Outlet	80	78	73	73	73	70	67	59	77
	1	Inlet	71	72	80	75	65	67	65	58	77
		Outlet	78	77	73	72	72	70	66	59	77
	1.25	Inlet	72	71	77	73	64	66	62	57	74
		Outlet	75	76	72	72	71	68	64	58	76

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i, LW_iA and outlet LW_o, LW_oA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

60 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
800	0.125	Inlet	56	48	40	39	32	30	22	14	41
		Outlet	64	52	51	48	45	37	27	17	50
1200	0.125	Inlet	66	65	62	53	49	43	37	29	57
		Outlet	77	68	62	61	57	52	44	33	63
1600	0.125	Inlet	73	76	69	62	61	51	48	40	67
		Outlet	86	79	68	69	65	62	55	45	71
	0.5	Inlet	70	76	69	59	57	49	46	37	65
		Outlet	86	79	67	66	63	60	52	42	70
2000	0.125	Inlet	74	79	75	71	66	60	55	48	73
		Outlet	87	83	76	74	72	69	62	53	77
	0.5	Inlet	74	78	75	70	64	58	53	46	72
		Outlet	88	83	75	73	70	67	60	51	76
2400	0.125	Inlet	75	81	80	74	71	64	61	54	77
		Outlet	88	85	80	79	76	74	69	59	82
	0.5	Inlet	76	80	79	73	70	63	60	53	76
		Outlet	89	85	80	78	75	73	67	57	81
	1	Inlet	77	79	79	73	68	62	58	52	75
		Outlet	91	85	79	77	74	71	65	58	80
2800	0.125	Inlet	76	84	84	78	75	69	66	59	81
		Outlet	91	89	84	83	80	79	74	64	86
	0.5	Inlet	77	84	83	78	74	68	65	58	80
		Outlet	91	89	83	82	80	78	73	63	85
	1	Inlet	79	83	83	77	73	67	64	57	79
		Outlet	92	89	83	81	78	76	71	62	84
3200	0.125	Inlet	79	86	88	83	79	73	70	64	85
		Outlet	93	92	88	86	84	82	78	69	89
	0.5	Inlet	79	87	88	83	79	73	69	63	85
		Outlet	94	92	87	85	83	81	77	68	89
	1	Inlet	81	86	87	82	78	72	68	62	84
		Outlet	93	92	87	85	82	80	76	67	88
	2	Inlet	82	85	86	82	76	70	66	61	83
		Outlet	97	93	87	84	81	78	74	67	87
3600	0.125	Inlet	81	89	92	88	83	77	73	68	89
		Outlet	95	95	91	89	87	85	81	73	93
	0.5	Inlet	81	89	92	88	82	77	72	67	89
		Outlet	96	95	91	88	87	84	81	73	92
	1	Inlet	82	89	91	87	82	76	71	66	88
		Outlet	95	95	91	88	86	84	80	72	91
	2	Inlet	84	89	90	86	81	75	70	65	87
		Outlet	97	96	90	87	84	82	78	71	90

70 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}	
			Octave Bands									
			1	2	3	4	5	6	7	8		
1000	0.125	Inlet	61	57	53	49	43	38	32	25	51	
		Outlet	72	60	57	54	51	45	35	25	56	
	0.25	Inlet	60	57	53	47	42	38	32	25	50	
		Outlet	68	54	50	47	45	40	32	24	50	
1350	0.125	Inlet	73	69	67	58	55	48	42	35	62	
		Outlet	84	73	65	63	60	55	47	37	66	
	0.25	Inlet	70	68	66	57	54	47	41	34	61	
		Outlet	87	68	60	58	55	51	43	34	64	
1700	0.125	Inlet	78	77	72	66	63	55	50	43	69	
		Outlet	90	81	70	70	66	63	56	46	73	
	0.25	Inlet	78	77	71	65	62	55	49	42	69	
		Outlet	90	81	70	69	65	62	55	45	72	
	0.5	Inlet	74	76	70	64	61	54	48	42	67	
		Outlet	143	50	37	36	35	33	29	25	117	
2050	0.125	Inlet	78	82	77	73	67	62	56	49	75	
		Outlet	90	85	77	75	72	68	62	52	78	
	0.25	Inlet	78	82	77	72	67	61	55	49	74	
		Outlet	90	85	76	74	71	68	61	52	77	
	0.5	Inlet	77	81	76	71	66	60	54	48	73	
		Outlet	90	85	76	73	70	67	60	51	76	
	0.75	Inlet	76	79	75	71	65	59	54	48	72	
		Outlet	124	80	53	52	50	47	43	37	99	
	1	Inlet	74	77	76	70	64	58	54	49	72	
		Outlet	106	81	64	61	58	56	51	45	80	
2400	0.125	Inlet	76	86	82	76	72	66	61	55	78	
		Outlet	90	87	80	79	76	74	67	58	82	
	0.25	Inlet	77	85	81	75	71	65	61	54	78	
		Outlet	91	87	80	78	75	73	67	57	81	
	0.5	Inlet	77	85	81	75	70	65	60	53	77	
		Outlet	91	87	80	78	75	72	66	57	81	
	0.75	Inlet	79	83	80	74	70	64	59	53	77	
		Outlet	90	87	79	76	74	71	66	56	80	
	1	Inlet	79	81	80	74	69	63	59	53	76	
		Outlet	99	88	74	71	69	66	61	53	78	
2750	0.125	Inlet	77	88	86	79	76	70	65	59	82	
		Outlet	92	90	84	82	79	77	72	63	85	
	0.25	Inlet	77	88	86	79	75	69	65	59	82	
		Outlet	92	90	84	82	79	77	72	62	85	
	0.5	Inlet	78	88	85	78	75	69	64	58	82	
		Outlet	93	90	83	81	78	76	71	62	84	
	0.75	Inlet	79	87	85	78	74	68	64	58	81	
		Outlet	92	90	83	81	78	76	70	61	84	
	1	Inlet	81	86	84	77	74	68	63	57	80	
		Outlet	92	90	83	80	77	75	70	61	83	
	1.5	Inlet	82	84	83	77	73	66	63	57	79	
		Outlet	94	88	82	79	76	74	69	61	82	
	3100	0.125	Inlet	79	89	90	84	79	74	69	63	86
			Outlet	94	93	88	85	83	80	76	67	88
0.25		Inlet	79	89	90	84	79	73	69	63	86	
		Outlet	94	93	88	85	82	80	75	67	88	
0.5		Inlet	80	89	90	83	78	73	68	62	86	
		Outlet	95	93	87	84	82	80	75	66	88	
0.75		Inlet	80	89	89	83	78	72	67	62	85	
		Outlet	95	93	87	84	81	79	74	66	87	
1		Inlet	81	89	89	82	78	72	67	61	85	
		Outlet	94	93	87	83	81	79	74	65	87	
1.5		Inlet	84	88	87	82	77	71	66	61	84	
		Outlet	95	93	86	82	80	77	73	65	86	
2		Inlet	84	87	87	82	76	70	66	61	83	
		Outlet	97	92	85	82	79	76	72	65	85	

The sound power level ratings shown are in decibels referred to 10^{-12} watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i, LW_A and outlet LW_o, LW_A sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

80 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1300	0.125	Inlet	60	61	67	60	55	50	45	38	62
		Outlet	77	71	66	62	59	55	48	39	65
1800	0.125	Inlet	67	69	73	71	65	60	56	49	72
		Outlet	84	80	73	71	68	66	59	50	74
	0.5	Inlet	67	68	71	68	62	58	53	47	69
		Outlet	84	80	72	69	66	64	58	50	73
2300	0.125	Inlet	74	74	77	77	72	68	64	57	78
		Outlet	88	85	80	77	75	73	67	58	81
	0.5	Inlet	74	74	75	76	70	66	63	56	77
		Outlet	88	85	79	76	74	72	66	57	80
	1	Inlet	74	74	73	73	67	64	61	55	74
		Outlet	88	84	78	74	72	70	65	58	78
2800	0.125	Inlet	79	80	81	82	77	73	70	64	83
		Outlet	92	89	85	82	80	79	74	65	86
	0.5	Inlet	79	79	80	81	76	72	69	63	82
		Outlet	92	89	85	81	79	78	73	64	85
	1	Inlet	79	79	79	80	75	70	68	62	81
		Outlet	92	89	84	80	78	76	72	64	84
3300	0.125	Inlet	82	85	85	86	82	78	75	69	87
		Outlet	95	94	90	86	84	83	79	71	90
	0.5	Inlet	82	85	85	86	82	77	74	69	87
		Outlet	95	94	89	86	83	82	78	70	89
	1	Inlet	82	85	84	85	81	76	73	68	86
		Outlet	95	94	89	85	82	81	77	70	89
	2	Inlet	82	84	83	82	78	73	71	66	83
		Outlet	95	93	88	83	81	79	76	70	87

100 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts									L _W A
			Octave Bands									
			1	2	3	4	5	6	7	8		
1500	0.125	Inlet	64	66	71	62	57	53	51	42	65	
		Outlet	80	74	67	63	61	59	52	44	67	
	0.5	Inlet	65	66	66	58	54	52	48	41	62	
		Outlet	80	74	65	62	60	59	51	42	66	
2050	0.125	Inlet	70	71	74	74	66	63	60	54	74	
		Outlet	85	81	75	73	69	67	63	55	75	
	0.5	Inlet	70	71	74	72	65	61	59	52	73	
		Outlet	85	81	74	71	68	66	61	53	75	
	1	Inlet	72	73	72	69	63	60	58	51	70	
		Outlet	86	81	74	70	67	66	62	56	74	
2600	0.125	Inlet	78	75	77	80	72	68	69	62	79	
		Outlet	91	85	79	79	75	73	70	63	81	
	0.5	Inlet	78	75	77	79	71	67	67	61	79	
		Outlet	91	85	79	78	74	73	70	62	81	
	1	Inlet	78	75	76	77	70	66	66	60	77	
		Outlet	92	85	79	76	73	72	69	61	80	
3150	0.125	Inlet	81	82	82	84	79	73	73	68	85	
		Outlet	94	91	85	83	80	78	76	69	86	
	0.5	Inlet	81	81	82	83	78	73	72	68	84	
		Outlet	94	91	85	83	80	78	75	69	86	
	1	Inlet	81	81	81	83	77	72	71	66	83	
		Outlet	95	91	85	82	79	77	74	68	85	
	2	Inlet	81	82	80	80	75	70	70	65	81	
		Outlet	95	91	85	80	77	76	74	70	84	

120 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1100	0.125	Inlet	63	65	68	60	55	55	48	41	64
		Outlet	102	105	108	111	111	114	108	104	118
1500	0.125	Inlet	70	71	75	71	64	64	59	51	72
		Outlet	104	104	104	107	108	109	109	102	115
	0.5	Inlet	69	71	73	69	62	61	56	50	70
		Outlet	82	83	83	83	81	79	76	71	86
1900	0.125	Inlet	79	74	77	80	69	69	70	60	80
		Outlet	89	87	80	82	80	80	80	70	87
	0.5	Inlet	78	74	77	79	68	68	67	58	78
		Outlet	86	85	77	79	77	77	74	65	83
	1	Inlet	77	75	74	77	65	66	63	57	76
		Outlet	82	81	73	73	72	71	68	61	78
2300	0.125	Inlet	84	80	81	85	76	73	75	67	84
		Outlet	89	88	81	80	79	78	78	69	85
	0.5	Inlet	83	80	81	84	75	72	73	66	83
		Outlet	88	87	80	79	78	77	76	68	84
	1	Inlet	82	81	81	83	74	71	71	64	82
		Outlet	87	86	79	78	77	76	74	66	83
	2	Inlet	82	87	83	77	72	69	67	62	80
		Outlet	87	89	80	76	75	74	70	64	81
2700	0.125	Inlet	87	87	85	88	82	77	78	73	88
		Outlet	92	92	86	83	83	82	81	75	89
	0.5	Inlet	86	87	85	87	82	76	77	72	88
		Outlet	91	92	86	82	82	81	80	74	88
	1	Inlet	85	86	85	86	81	75	75	70	87
		Outlet	90	91	85	81	82	80	79	73	87
	2	Inlet	84	86	84	84	79	73	72	68	85
		Outlet	89	90	84	79	79	79	76	71	85

135 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
1100	0.125	Inlet	66	68	73	65	60	61	52	45	69
		Outlet	69	72	67	64	64	63	55	47	69
	0.5	Inlet	65	65	68	60	54	55	48	42	64
		Outlet	70	71	65	61	60	58	51	45	66
1400	0.125	Inlet	72	73	79	73	66	68	62	54	76
		Outlet	74	77	74	70	70	70	63	56	75
	0.5	Inlet	70	71	78	71	64	64	59	52	74
		Outlet	74	77	73	68	68	67	61	54	73
1700	0.125	Inlet	77	78	80	81	72	72	70	62	81
		Outlet	79	82	79	76	74	74	71	63	80
	0.5	Inlet	75	76	80	80	71	70	67	60	80
		Outlet	79	81	78	75	73	73	69	61	79
	1	Inlet	74	74	77	78	68	67	64	57	77
		Outlet	79	80	76	74	71	70	66	59	77
2000	0.125	Inlet	81	82	81	88	75	76	77	69	87
		Outlet	83	87	82	81	78	78	77	69	85
	0.5	Inlet	81	79	80	87	75	75	74	67	86
		Outlet	82	86	81	81	78	77	75	67	84
	1	Inlet	80	77	79	87	73	74	72	64	86
		Outlet	89	86	80	80	77	76	73	65	83
2300	0.125	Inlet	84	87	85	90	81	79	80	74	90
		Outlet	85	89	86	83	82	81	80	73	88
	0.5	Inlet	83	84	84	90	81	78	78	72	89
		Outlet	85	88	85	83	81	80	79	72	88
	1	Inlet	83	82	83	90	80	78	76	70	89
		Outlet	88	89	85	83	81	80	78	71	87
	2	Inlet	81	81	81	86	77	75	72	66	86
		Outlet	83	88	84	80	79	77	74	69	85

The sound power level ratings shown are in decibels referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i, LW_iA and outlet LW_o, LW_oA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.</

150 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
850	0.125	Inlet	60	63	68	63	57	56	49	40	65
		Outlet	69	65	62	62	61	58	50	41	65
1150	0.125	Inlet	68	70	77	72	65	64	60	52	73
		Outlet	76	74	70	69	69	67	61	53	73
	0.5	Inlet	66	67	75	69	63	62	56	49	71
		Outlet	75	71	67	66	66	65	58	50	71
1450	0.125	Inlet	75	73	83	77	70	69	67	63	79
		Outlet	82	79	77	74	74	72	68	63	79
	0.5	Inlet	74	72	82	75	69	67	65	58	78
		Outlet	80	77	75	72	72	70	66	60	77
	1	Inlet	74	69	79	71	66	65	63	54	75
		Outlet	81	75	73	70	70	68	64	56	75
1750	0.125	Inlet	81	77	87	83	75	73	72	70	84
		Outlet	87	83	81	79	78	76	72	69	83
	0.5	Inlet	80	76	86	82	74	72	71	67	83
		Outlet	85	82	80	77	77	75	72	67	82
	1	Inlet	79	74	84	80	72	71	70	62	81
		Outlet	84	81	78	76	76	74	71	64	81
2050	0.125	Inlet	84	83	88	90	80	77	76	74	89
		Outlet	90	88	85	83	81	80	77	73	87
	0.5	Inlet	83	82	87	89	79	76	75	72	89
		Outlet	89	87	84	83	81	79	76	72	86
	1	Inlet	82	81	86	88	78	75	74	70	87
		Outlet	87	86	83	82	80	78	76	71	85
	2	Inlet	83	80	83	85	75	73	72	66	84
		Outlet	88	85	81	79	77	76	73	67	83

180 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
700	0.125	Inlet	67	68	67	59	59	55	47	41	64
		Outlet	69	66	65	64	62	56	48	41	66
950	0.125	Inlet	76	75	77	72	66	65	57	50	74
		Outlet	76	76	74	71	71	67	58	51	75
	0.5	Inlet	75	73	75	70	64	63	56	49	72
		Outlet	76	73	71	68	69	64	57	51	72
1200	0.125	Inlet	79	81	84	78	73	72	66	58	81
		Outlet	81	82	80	78	77	74	67	59	82
	0.5	Inlet	80	80	82	77	71	71	64	57	79
		Outlet	81	80	78	76	76	73	65	58	80
	1	Inlet	81	79	80	74	69	68	62	56	77
		Outlet	81	79	76	74	73	70	64	58	78
1450	0.125	Inlet	82	85	89	84	79	78	73	65	86
		Outlet	85	86	85	83	83	80	73	66	87
	0.5	Inlet	82	85	88	83	78	77	71	64	85
		Outlet	85	85	85	82	82	79	72	65	86
	1	Inlet	83	84	87	81	77	76	70	63	84
		Outlet	85	85	84	81	81	78	71	64	85
1700	0.125	Inlet	86	88	92	90	83	83	78	70	91
		Outlet	88	89	89	88	88	85	79	71	92
	0.5	Inlet	86	88	92	90	83	83	77	69	91
		Outlet	88	89	89	87	87	84	78	71	91
	1	Inlet	85	88	91	89	82	82	76	68	90
		Outlet	88	89	88	86	86	83	77	70	90
	2	Inlet	86	88	88	85	79	79	73	67	87
		Outlet	87	89	86	83	83	81	75	68	88

165 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
800	0.125	Inlet	63	72	69	62	59	57	49	43	66
		Outlet	75	69	67	65	64	58	50	43	68
1100	0.125	Inlet	71	72	79	74	67	66	60	53	76
		Outlet	84	78	74	72	72	69	61	54	76
	0.5	Inlet	69	70	77	71	65	64	58	51	73
		Outlet	81	77	74	71	70	67	59	53	75
1400	0.125	Inlet	77	76	86	79	73	72	67	60	81
		Outlet	86	83	79	77	77	74	69	62	81
	0.5	Inlet	75	74	85	78	72	71	66	59	80
		Outlet	83	82	79	76	75	73	67	61	80
	1	Inlet	73	72	83	75	70	69	64	58	78
		Outlet	80	81	77	74	73	71	66	59	78
1700	0.125	Inlet	82	80	89	88	78	77	73	66	87
		Outlet	89	87	83	81	81	79	74	68	86
	0.5	Inlet	81	79	89	87	77	76	72	65	87
		Outlet	86	86	83	81	80	78	73	67	85
	1	Inlet	80	77	88	86	76	75	71	64	86
		Outlet	83	85	82	80	79	76	72	66	84
	2	Inlet	81	78	84	81	72	71	68	62	81
		Outlet	81	83	80	77	76	74	69	64	81
2000	0.125	Inlet	86	86	87	96	82	81	77	72	94
		Outlet	92	91	88	86	85	83	79	73	90
	0.5	Inlet	86	85	87	96	82	80	77	71	94
		Outlet	90	90	87	86	84	82	78	73	89
	1	Inlet	85	84	86	96	81	79	76	70	93
		Outlet	88	89	87	85	83	81	77	72	88
	2	Inlet	84	82	84	95	79	77	74	69	92
		Outlet	83	86	85	83	81	79	75	70	87
	3	Inlet	86	87	84	84	75	74	71	67	84
		Outlet	85	87	86	83	80	78	74	69	86

195 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _W A
			Octave Bands								
			1	2	3	4	5	6	7	8	
725	0.25	Inlet	70	70	70	65	61	57	50	43	67
		Outlet	72	69	67	66	64	59	51	45	68
875	0.25	Inlet	76	75	77	72	66	64	57	50	74
		Outlet	77	75	73	71	70	66	57	51	74
	0.5	Inlet	76	74	75	70	64	62	56	49	72
		Outlet	76	73	72	69	69	64	56	50	73
1025	0.25	Inlet	80	80	82	77	71	69	62	55	79
		Outlet	80	80	78	75	75	71	63	56	79
	0.5	Inlet	79	79	80	76	70	68	61	54	78
		Outlet	80	79	77	74	74	70	62	56	78
	1	Inlet	79	76	78	72	67	66	60	54	75
		Outlet	80	76	74	71	71	68	62	56	75
1175	0.25	Inlet	81	84	86	81	76	73	67	60	83
		Outlet	83	83	82	80	79	76	68	61	83
	0.5	Inlet	81	83	85	80	75	73	66	59	82
		Outlet	83	83	81	79	78	75	67	60	82
	1	Inlet	81	82	83	78	73	71	65	58	80
		Outlet	83	81	79	77	76	73	66	59	80
1325	0.25	Inlet	83	86	90	85	80	78	72	64	87
		Outlet	85	86	86	83	83	80	73	65	87
	0.5	Inlet	83	86	89	84	79	77	71	63	86
		Outlet	85	86	85	83	82	79	72	65	86
	1	Inlet	83	85	88	82	77	75	69	62	85
		Outlet	85	85	84	82	81	77	70	64	85
	1.5	Inlet	83	84	85	80	75	73	68	61	82
		Outlet	85	85	83	79	79	75	69	63	83
1475	0.25	Inlet	86	88	92	88	82	82	76	68	90
		Outlet	88	89	89	86	87	83	76	69	91
	0.5	Inlet	85	88	92	87	82	81	75	67	89
		Outlet	88	88	88	86	86	83	76	68	90
	1	Inlet	85	87	91	86	81	80	74	66	88
		Outlet	88	88	87	85	85	82	75	68	89
	1.5	Inlet	86	87	90	85	79	79	72	65	87
		Outlet	87	88	86	83	84	80	73	67	88
	2	Inlet	84	85	87	81	76	75	70	64	84
		Outlet	87	87	85	81	81	78	72	66	86

210 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
600	0.125	Inlet	66	68	73	65	60	61	52	45	69
		Outlet	69	72	67	64	64	63	55	47	69
775	0.125	Inlet	65	65	68	60	54	55	48	42	64
		Outlet	70	71	65	61	60	58	51	45	66
	0.5	Inlet	72	73	79	73	66	68	62	54	76
		Outlet	74	77	74	70	70	70	63	56	75
950	0.125	Inlet	70	71	78	71	64	64	59	52	74
		Outlet	74	77	73	68	68	67	61	54	73
	0.5	Inlet	77	78	80	81	72	72	70	62	81
		Outlet	79	82	79	76	74	74	71	63	80
	1	Inlet	75	76	80	80	71	70	67	60	80
		Outlet	79	81	78	75	73	73	69	61	79
1125	0.125	Inlet	74	74	77	78	68	67	64	57	77
		Outlet	79	80	76	74	71	70	66	59	77
	0.5	Inlet	81	82	81	88	75	76	77	69	87
		Outlet	83	87	82	81	78	78	77	69	85
1300	0.125	Inlet	81	79	80	87	75	75	74	67	86
		Outlet	82	86	81	81	78	77	75	67	84
	0.5	Inlet	80	77	79	87	73	74	72	64	86
		Outlet	89	86	80	80	77	76	73	65	83
	1	Inlet	84	87	85	90	81	79	80	74	90
		Outlet	85	89	86	83	82	81	80	73	88

225 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts									L _{WA}
			Octave Bands									
			1	2	3	4	5	6	7	8		
650	0.25	Inlet	68	75	70	68	66	60	52	45	70	
		Outlet	67	69	68	69	68	63	55	47	72	
800	0.25	Inlet	72	79	77	73	72	68	60	52	77	
		Outlet	72	73	73	75	74	71	62	55	78	
	0.5	Inlet	70	77	75	71	70	66	58	51	75	
		Outlet	71	72	71	73	72	69	61	54	76	
950	0.25	Inlet	75	81	83	78	76	74	67	58	81	
		Outlet	76	78	78	78	78	75	69	61	82	
	0.5	Inlet	75	80	82	77	75	73	66	57	80	
		Outlet	75	77	77	77	77	74	68	59	81	
	1	Inlet	73	77	78	73	72	69	63	56	77	
		Outlet	73	74	74	74	74	71	65	58	78	
1100	0.25	Inlet	80	82	88	81	79	79	74	63	85	
		Outlet	79	82	81	82	81	79	75	66	86	
	0.5	Inlet	79	81	87	80	78	78	73	62	85	
		Outlet	78	81	81	81	81	78	74	65	85	
	1	Inlet	78	79	85	78	77	76	70	61	83	
		Outlet	76	79	79	79	79	77	72	63	83	
	1.5	Inlet	78	76	81	75	73	73	66	60	79	
		Outlet	76	77	77	77	77	74	69	62	81	
1250	0.25	Inlet	84	82	92	84	81	83	79	69	89	
		Outlet	82	85	84	85	84	82	79	71	89	
	0.5	Inlet	84	82	92	83	81	82	78	68	89	
		Outlet	81	84	84	84	84	82	79	70	88	
	1	Inlet	83	81	91	82	80	81	76	66	88	
		Outlet	79	83	83	83	83	82	77	68	87	
	1.5	Inlet	82	79	89	80	78	80	74	65	86	
		Outlet	78	81	80	82	82	80	75	67	86	
	2	Inlet	84	77	85	77	76	76	70	64	82	
		Outlet	79	80	80	80	80	78	73	66	84	

245 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
550	0.125	Inlet	68	74	68	64	66	62	50	41	70
		Outlet	69	71	66	67	67	64	53	43	71
750	0.125	Inlet	74	81	79	72	72	71	62	52	77
		Outlet	75	78	75	75	73	72	64	55	78
	0.5	Inlet	72	79	77	71	71	68	59	51	76
		Outlet	73	75	73	73	72	69	62	53	76
950	0.125	Inlet	79	83	88	78	75	74	70	60	83
		Outlet	81	82	81	82	79	76	72	63	84
	0.5	Inlet	78	83	87	78	75	74	69	59	82
		Outlet	80	81	80	81	78	75	70	62	83
	1	Inlet	77	80	86	76	74	73	67	59	81
		Outlet	77	79	78	79	76	73	68	61	81
1150	0.125	Inlet	83	87	92	85	80	78	75	67	88
		Outlet	85	86	85	87	84	81	77	69	89
	0.5	Inlet	82	86	92	84	80	78	75	66	88
		Outlet	84	86	84	86	84	80	76	69	88
	1	Inlet	82	86	91	84	79	78	74	66	87
		Outlet	83	84	83	84	82	79	75	67	87
	2	Inlet	79	81	87	79	76	75	70	64	83
		Outlet	81	82	80	81	79	76	73	66	83
1350	0.125	Inlet	86	91	95	91	84	82	80	73	92
		Outlet	88	90	88	90	89	85	82	75	93
	0.5	Inlet	85	90	95	91	84	82	79	72	92
		Outlet	87	89	88	89	88	85	81	74	92
	1	Inlet	85	90	94	90	84	82	79	72	92
		Outlet	86	88	87	88	87	84	80	73	91
	2	Inlet	83	88	93	89	82	81	77	70	90
		Outlet	84	86	84	86	85	82	78	72	89

The sound power level ratings shown are in decibels referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i, LW_A and outlet LW_o, LW_{oA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

270 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
550	0.25	Inlet	71	77	71	67	69	63	52	43	72
		Outlet	71	73	69	70	69	65	55	46	73
650	0.25	Inlet	74	81	76	71	72	69	58	49	76
		Outlet	74	77	74	74	73	71	61	52	77
	0.5	Inlet	73	80	75	70	71	67	57	49	75
		Outlet	73	76	72	72	72	68	59	51	76
750	0.25	Inlet	77	83	81	75	74	72	64	54	79
		Outlet	78	80	78	78	76	73	66	57	80
	0.5	Inlet	76	83	81	74	73	71	63	54	79
		Outlet	77	78	77	77	75	72	65	56	79
	1	Inlet	73	79	77	71	70	66	60	54	75
		Outlet	74	75	74	73	72	68	63	56	76
850	0.25	Inlet	80	85	86	78	76	74	69	59	83
		Outlet	81	82	82	82	79	76	70	62	84
	0.5	Inlet	79	84	86	78	75	74	68	58	82
		Outlet	80	81	81	81	78	75	69	61	83
	1	Inlet	77	82	84	76	74	72	66	58	81
		Outlet	78	79	78	78	76	73	68	60	81
950	0.25	Inlet	83	86	91	81	78	76	73	63	86
		Outlet	84	85	84	85	82	78	74	65	87
	0.5	Inlet	82	86	90	81	78	76	72	62	85
		Outlet	83	84	83	84	81	77	73	65	86
	1	Inlet	81	85	90	80	77	76	70	62	85
		Outlet	81	83	81	83	80	76	72	64	84
	1.5	Inlet	79	82	87	77	75	74	68	62	83
		Outlet	80	81	80	80	77	74	71	64	82
1050	0.25	Inlet	85	88	94	84	80	79	76	66	89
		Outlet	86	87	86	88	85	81	77	69	89
	0.5	Inlet	84	88	93	84	80	79	75	66	88
		Outlet	85	87	85	87	84	80	77	68	89
	1	Inlet	84	87	93	83	80	79	74	66	88
		Outlet	84	86	84	86	83	79	75	67	88
	1.5	Inlet	82	85	92	82	79	78	72	65	87
		Outlet	82	84	82	84	81	78	74	67	86
	2	Inlet	81	82	89	79	77	76	70	65	84
		Outlet	83	83	82	82	79	76	73	67	84

300 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
400	0.125	Inlet	71	74	65	60	58	53	46	39	64
		Outlet	69	68	65	64	61	56	49	41	66
550	0.125	Inlet	76	83	77	69	67	64	57	50	74
		Outlet	76	77	74	73	71	66	60	53	75
	0.5	Inlet	73	81	74	67	65	61	55	48	72
		Outlet	74	74	71	70	68	63	58	50	72
700	0.125	Inlet	81	87	83	76	74	71	65	59	80
		Outlet	81	84	81	80	77	73	68	61	82
	0.5	Inlet	80	85	81	75	72	69	63	57	79
		Outlet	80	82	79	78	76	71	66	59	80
	1	Inlet	77	82	78	72	70	67	62	56	76
		Outlet	78	79	76	75	73	70	65	58	78
850	0.125	Inlet	85	90	87	81	79	76	71	65	85
		Outlet	85	88	86	86	83	79	74	67	88
	0.5	Inlet	84	89	86	80	78	75	70	64	84
		Outlet	84	87	84	84	82	77	73	66	87
	1	Inlet	84	88	85	78	77	74	69	63	83
		Outlet	84	85	82	83	81	76	72	65	85
1000	0.125	Inlet	88	93	93	86	83	81	76	70	90
		Outlet	88	91	91	89	88	83	79	73	92
	0.5	Inlet	87	93	92	85	82	80	75	69	89
		Outlet	88	90	90	88	87	83	78	72	91
	1	Inlet	87	92	91	84	81	79	74	68	88
		Outlet	87	89	89	87	86	82	77	71	90
	2	Inlet	84	89	89	81	79	77	73	68	86
		Outlet	85	86	86	84	83	80	76	70	87

330 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
450	0.25	Inlet	75	81	72	65	64	59	52	45	71
		Outlet	74	74	70	70	67	62	55	47	71
550	0.25	Inlet	79	85	78	72	70	66	59	53	76
		Outlet	79	80	76	76	73	68	63	55	78
	0.5	Inlet	78	84	77	70	69	64	58	51	75
		Outlet	78	78	75	74	72	67	61	54	76
650	0.25	Inlet	83	88	82	77	74	71	65	59	81
		Outlet	82	85	81	81	78	73	68	61	83
	0.5	Inlet	82	87	81	76	73	70	64	58	80
		Outlet	82	84	80	80	77	72	67	60	82
	1	Inlet	79	85	79	73	71	68	63	57	77
		Outlet	80	81	77	77	75	71	66	59	79
750	0.25	Inlet	86	90	86	80	78	75	70	64	84
		Outlet	86	88	85	85	82	77	73	66	87
	0.5	Inlet	85	90	85	79	78	74	69	63	83
		Outlet	85	87	84	84	82	77	72	65	86
	1	Inlet	84	88	83	78	76	73	68	62	82
		Outlet	84	85	82	83	80	75	71	64	85
850	0.25	Inlet	81	85	81	76	75	72	67	62	80
		Outlet	82	83	79	79	78	74	70	64	82
	0.5	Inlet	88	93	90	84	82	79	74	68	88
		Outlet	88	91	88	88	86	81	77	70	90
	1	Inlet	88	92	89	83	81	78	73	67	87
		Outlet	87	90	88	88	85	81	76	70	90
	1.5	Inlet	87	91	88	82	80	77	72	66	86
		Outlet	87	89	86	86	84	79	75	68	88
	2	Inlet	85	90	86	80	79	76	71	65	85
		Outlet	86	87	84	85	83	79	74	68	87
		Inlet	84	87	84	78	77	75	70	65	83
		Outlet	85	86	83	82	81	77	73	67	85

365 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
350	0.125	Inlet	77	75	71	66	63	57	51	44	69
		Outlet	74	71	69	69	66	60	53	45	70
450	0.125	Inlet	80	85	78	71	69	65	58	51	76
		Outlet	78	78	75	75	72	67	62	54	77
	0.5	Inlet	77	83	76	69	67	63	57	51	74
		Outlet	75	75	72	71	69	65	59	52	74
550	0.125	Inlet	82	91	85	77	74	71	65	58	82
		Outlet	82	83	80	80	77	73	68	61	82
	0.5	Inlet	81	91	84	75	73	70	63	57	81
		Outlet	80	81	79	79	76	71	66	59	81
	1	Inlet	76	85	79	71	70	66	61	56	77
		Outlet	79	79	76	75	73	69	64	58	77
650	0.125	Inlet	85	94	91	82	78	75	70	63	87
		Outlet	86	86	85	84	82	78	73	67	86
	0.5	Inlet	84	93	90	82	77	74	69	63	86
		Outlet	84	85	84	83	81	77	72	65	85
	1	Inlet	82	92	89	80	76	73	68	62	85
		Outlet	82	83	82	80	79	75	70	63	83
750	0.125	Inlet	88	96	96	87	81	79	74	68	91
		Outlet	88	90	89	87	85	82	77	71	90
	0.5	Inlet	87	95	96	87	81	79	74	67	90
		Outlet	87	88	88	86	85	81	76	70	89
	1	Inlet	86	95	95	86	80	78	73	66	90
		Outlet	85	87	87	86	84	80	75	69	88

SQN-B Sound Data

402 SQN-B

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
325	0.25	Inlet	78	75	70	65	63	57	51	44	69
		Outlet	73	70	69	69	66	59	53	45	70
375	0.25	Inlet	81	81	75	69	67	62	55	48	73
		Outlet	76	75	73	72	69	64	58	50	74
	0.5	Inlet	78	78	72	67	65	60	54	48	70
		Outlet	73	72	70	69	67	62	56	49	71
425	0.25	Inlet	82	86	79	72	70	65	59	52	77
		Outlet	79	79	77	76	73	68	62	54	77
	0.5	Inlet	81	85	77	71	69	64	58	52	75
		Outlet	77	77	75	74	71	66	60	53	76
475	0.25	Inlet	83	91	83	74	73	69	63	56	80
		Outlet	82	82	79	79	76	71	66	58	81
	0.5	Inlet	82	90	82	74	72	68	62	55	80
		Outlet	80	81	79	78	75	70	64	56	80
525	0.25	Inlet	85	93	86	77	76	72	66	59	83
		Outlet	84	84	82	81	78	74	69	62	83
	0.5	Inlet	84	93	86	77	75	71	65	58	83
		Outlet	83	83	81	81	78	73	68	60	83
	1	Inlet	80	89	82	74	73	69	64	58	80
		Outlet	82	81	78	77	75	71	66	59	79
575	0.25	Inlet	86	95	89	81	78	74	69	62	86
		Outlet	86	86	84	84	81	77	72	65	86
	0.5	Inlet	86	95	89	80	77	74	68	62	85
		Outlet	85	85	84	83	80	76	71	64	85
	1	Inlet	83	94	87	78	76	73	67	61	84
		Outlet	83	83	81	80	78	74	69	62	83

The sound power level ratings shown are in decibels referred to 10^{-12} watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i , LW_iA and outlet LW_o , LW_oA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

135 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
1100	0.25	Inlet	67	62	64	61	55	56	51	43	63
		Outlet	68	69	67	59	58	59	51	44	65
	0.5	Inlet	68	61	60	58	54	55	50	44	61
		Outlet	69	70	67	58	57	57	49	42	64
1350	0.25	Inlet	71	69	70	68	61	62	58	51	69
		Outlet	73	74	71	65	64	65	59	52	71
	0.5	Inlet	71	69	69	66	60	60	56	49	68
		Outlet	72	74	71	64	62	63	57	50	70
1600	0.25	Inlet	73	75	77	72	67	65	64	56	74
		Outlet	78	78	76	70	68	68	65	58	75
	0.5	Inlet	73	74	76	71	65	64	62	55	73
		Outlet	77	77	76	69	67	67	64	56	74
	1	Inlet	74	73	73	68	63	62	60	54	71
		Outlet	75	77	75	68	65	65	61	54	73
1850	0.25	Inlet	76	77	82	76	70	68	70	61	79
		Outlet	82	82	79	72	72	72	71	63	79
	0.5	Inlet	76	77	81	75	69	67	68	60	78
		Outlet	84	82	79	72	71	71	70	62	78
	1	Inlet	77	76	79	74	67	66	66	58	76
		Outlet	80	81	78	71	69	70	68	60	77
	1.5	Inlet	80	77	76	71	66	65	64	57	74
		Outlet	81	81	76	72	69	69	65	59	76
2100	0.25	Inlet	78	80	85	81	73	71	73	65	83
		Outlet	84	85	82	77	75	75	74	67	82
	0.5	Inlet	78	80	84	81	73	71	72	64	82
		Outlet	87	85	82	76	74	74	73	66	82
	1	Inlet	79	80	83	80	72	70	70	63	81
		Outlet	85	84	81	76	73	73	72	65	80
	1.5	Inlet	79	79	81	78	70	69	69	62	79
		Outlet	81	83	81	75	72	72	70	64	79
	2	Inlet	83	81	80	76	69	68	67	61	78
		Outlet	85	84	79	76	72	72	69	63	79
2350	0.25	Inlet	80	83	87	87	77	74	75	69	86
		Outlet	86	87	85	81	77	77	77	71	85
	0.5	Inlet	80	83	87	86	77	73	74	69	86
		Outlet	88	88	85	81	77	77	76	71	85
	1	Inlet	81	83	86	85	76	73	73	67	85
		Outlet	88	88	84	80	76	76	75	69	84
	1.5	Inlet	81	83	85	84	75	72	72	66	84
		Outlet	85	86	84	80	75	75	74	68	83
	2	Inlet	81	83	84	82	73	71	70	65	83
		Outlet	83	85	83	79	74	74	73	67	82
	2.5	Inlet	85	85	83	80	73	70	69	65	81
		Outlet	87	87	83	80	75	74	72	66	82

150 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
825	0.25	Inlet	53	51	53	52	52	50	43	35	56
		Outlet	57	53	52	51	53	51	43	34	57
1050	0.25	Inlet	61	56	61	60	56	57	53	43	63
		Outlet	64	60	59	57	57	58	53	44	63
	0.5	Inlet	63	57	60	57	56	56	49	42	61
		Outlet	65	60	58	57	57	58	50	42	63
1275	0.25	Inlet	67	61	67	66	61	62	60	51	69
		Outlet	70	66	64	62	61	64	60	51	68
	0.5	Inlet	67	62	65	64	60	62	58	50	68
		Outlet	69	65	63	61	61	63	59	50	68
1500	0.25	Inlet	67	68	72	70	67	66	64	57	73
		Outlet	73	73	67	66	66	67	65	57	73
	0.5	Inlet	67	67	71	68	66	65	63	56	72
		Outlet	73	72	66	65	65	66	64	56	72
	1	Inlet	69	69	69	66	65	64	61	54	71
		Outlet	73	72	66	65	65	66	62	54	71
1725	0.25	Inlet	68	71	76	72	71	69	68	61	77
		Outlet	75	79	70	69	69	71	69	62	77
	0.5	Inlet	67	71	75	71	71	68	67	60	76
		Outlet	75	79	69	68	69	70	69	62	76
	1	Inlet	67	71	73	69	70	67	66	59	75
		Outlet	74	79	68	68	68	69	68	60	75
1950	0.25	Inlet	68	73	79	75	75	73	71	65	80
		Outlet	76	85	72	71	72	75	73	66	80
	0.5	Inlet	68	72	79	74	74	72	71	64	79
		Outlet	76	85	72	71	72	74	73	66	79
	1	Inlet	68	72	77	72	74	70	70	63	78
		Outlet	76	85	71	70	71	72	72	65	79
	1.5	Inlet	69	74	76	71	74	70	70	63	78
		Outlet	76	84	71	70	71	72	72	64	78
2175	0.25	Inlet	70	75	81	79	77	75	74	69	83
		Outlet	78	86	77	74	74	77	76	70	82
	0.5	Inlet	70	75	81	78	77	75	74	68	82
		Outlet	78	86	77	74	74	76	76	70	82
	1	Inlet	70	75	80	77	76	73	72	67	81
		Outlet	78	86	76	73	73	75	75	69	81
	1.5	Inlet	70	75	79	76	76	73	72	66	81
		Outlet	78	85	76	73	73	74	74	68	81
2	Inlet	72	76	79	75	75	73	72	66	80	
	Outlet	78	84	75	73	73	74	74	67	80	
2400	0.25	Inlet	72	77	83	83	79	78	77	72	86
		Outlet	79	87	81	76	76	79	78	73	85
	0.5	Inlet	72	77	83	82	79	78	76	71	85
		Outlet	79	87	81	76	76	78	78	73	84
	1	Inlet	72	77	82	82	78	77	75	70	84
		Outlet	80	87	81	76	76	77	77	72	84
	1.5	Inlet	71	77	81	81	78	76	74	70	84
		Outlet	80	87	80	76	75	77	77	71	83
2	Inlet	71	77	81	80	77	76	74	70	83	
	Outlet	79	86	80	75	75	76	76	71	83	

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi, LWiA and outlet LWo, LWoA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

SQN-HP Sound Data

165 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
770	0.25	Inlet	53	60	60	55	52	49	43	35	58
		Outlet	59	56	54	55	55	51	44	36	58
1000	0.25	Inlet	66	62	69	65	60	59	54	46	67
		Outlet	67	63	61	60	61	60	55	46	66
	0.5	Inlet	62	60	66	62	58	56	51	44	64
		Outlet	67	62	61	59	60	58	52	44	64
1230	0.25	Inlet	74	66	75	72	65	65	62	54	73
		Outlet	72	70	67	64	66	66	63	54	71
	0.5	Inlet	73	65	74	70	64	63	60	52	72
		Outlet	72	69	66	64	65	65	61	52	71
	1	Inlet	75	69	68	66	62	60	57	51	68
		Outlet	79	73	67	65	64	63	58	51	70
1460	0.25	Inlet	74	74	79	75	70	68	67	60	77
		Outlet	75	75	71	71	69	70	68	61	76
	0.5	Inlet	74	73	79	74	69	68	65	59	77
		Outlet	75	74	71	70	69	69	66	60	75
	1	Inlet	72	71	77	72	68	66	63	57	75
		Outlet	75	73	70	68	68	68	64	57	74
1690	0.25	Inlet	74	77	84	77	74	71	71	65	81
		Outlet	78	78	76	77	73	73	72	67	80
	0.5	Inlet	73	77	83	77	73	71	70	64	80
		Outlet	78	78	75	77	72	72	71	66	79
	1	Inlet	73	76	82	75	72	70	68	63	79
		Outlet	78	76	75	74	71	72	69	63	78
	1.5	Inlet	73	76	80	73	71	68	66	61	77
		Outlet	80	76	74	71	71	71	68	61	77
1920	0.25	Inlet	74	78	88	80	76	74	74	69	84
		Outlet	80	81	79	83	76	75	75	71	84
	0.5	Inlet	74	78	88	79	76	74	74	69	84
		Outlet	81	81	79	83	76	75	75	70	84
	1	Inlet	73	78	87	78	75	73	72	67	83
		Outlet	83	80	78	81	75	75	74	68	83
	1.5	Inlet	73	78	85	77	74	72	71	66	81
		Outlet	80	78	77	76	74	74	72	66	80
	2	Inlet	75	79	83	75	73	71	70	65	80
		Outlet	84	79	77	74	73	73	71	65	80
2150	0.25	Inlet	76	81	89	85	79	77	77	73	87
		Outlet	81	84	82	85	80	78	78	74	87
	0.5	Inlet	76	80	89	85	79	77	76	72	87
		Outlet	82	83	82	84	79	78	78	74	86
	1	Inlet	75	80	89	84	78	76	75	71	86
		Outlet	84	83	81	84	79	77	77	72	86
	1.5	Inlet	75	80	88	83	77	75	74	70	85
		Outlet	84	82	80	82	78	77	76	71	85
	2	Inlet	75	80	86	81	77	75	73	69	84
		Outlet	81	81	80	78	76	76	75	70	83
	3	Inlet	85	85	85	80	76	73	72	68	83
		Outlet	87	85	81	78	76	75	74	68	82

180 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
800	0.25	Inlet	62	68	65	62	59	56	50	42	64
		Outlet	61	65	61	61	62	57	51	43	65
	0.5	Inlet	64	66	61	58	56	53	49	42	61
		Outlet	67	66	59	58	58	55	49	43	62
1100	0.25	Inlet	68	74	75	71	68	66	61	54	74
		Outlet	69	72	70	69	71	68	62	55	75
	0.5	Inlet	68	73	74	70	67	65	60	53	73
		Outlet	67	70	69	68	69	67	61	54	73
	1	Inlet	76	74	71	66	63	61	57	51	69
		Outlet	78	74	69	65	65	63	58	52	70
1400	0.25	Inlet	78	75	84	77	75	73	69	62	81
		Outlet	78	78	79	74	77	75	71	63	81
	0.5	Inlet	77	74	83	76	74	72	68	61	80
		Outlet	75	77	78	73	76	74	70	62	80
	1	Inlet	77	73	82	74	73	71	66	60	79
		Outlet	72	74	75	72	75	73	68	61	79
	1.5	Inlet	80	77	80	73	71	68	64	59	77
		Outlet	79	78	75	71	72	70	66	60	77
1700	0.25	Inlet	84	79	87	82	79	78	75	68	86
		Outlet	84	83	85	79	81	80	77	70	86
	0.5	Inlet	84	79	87	82	79	78	74	68	85
		Outlet	82	82	83	79	80	80	76	69	85
	1	Inlet	84	78	87	81	79	77	73	67	85
		Outlet	78	80	81	77	80	79	75	68	84
	1.5	Inlet	84	78	86	80	78	76	72	66	84
		Outlet	75	78	79	76	79	78	73	67	83
	2	Inlet	83	78	84	78	76	74	71	65	82
		Outlet	77	78	78	75	77	76	72	66	82
2000	0.25	Inlet	86	85	89	88	83	82	80	74	90
		Outlet	87	87	88	85	84	84	81	75	90
	0.5	Inlet	86	85	89	88	83	82	79	73	90
		Outlet	86	86	87	84	83	84	81	75	90
	1	Inlet	86	85	88	88	83	81	78	73	89
		Outlet	83	85	86	83	83	83	80	74	89
	1.5	Inlet	86	85	88	87	82	81	78	72	89
		Outlet	80	83	84	82	82	83	79	73	88
	2	Inlet	86	85	87	86	81	80	77	71	88
		Outlet	78	81	83	81	81	82	78	72	87
	3	Inlet	88	88	87	84	80	77	74	70	86
		Outlet	85	86	83	80	80	79	76	71	85

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi, LWiA and outlet LWo, LWoA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

210 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
550	0.25	Inlet	56	60	56	53	50	47	41	33	56
		Outlet	57	57	54	55	53	49	42	34	57
625	0.25	Inlet	58	65	61	58	55	52	46	37	61
		Outlet	60	62	58	59	59	54	48	39	62
700	0.25	Inlet	60	69	65	63	60	57	50	41	65
		Outlet	62	66	61	62	63	58	52	43	66
	0.5	Inlet	63	67	61	58	54	53	48	40	61
		Outlet	64	64	59	59	58	55	49	41	62
775	0.25	Inlet	62	72	68	66	64	61	54	45	69
		Outlet	64	69	64	64	67	62	56	47	70
	0.5	Inlet	61	70	65	62	58	57	52	44	65
		Outlet	63	66	62	62	62	59	53	46	66
850	0.25	Inlet	64	73	72	69	67	65	57	49	72
		Outlet	66	70	67	67	69	66	59	51	72
	0.5	Inlet	62	72	70	66	63	61	55	48	69
		Outlet	65	68	65	65	66	63	57	49	69
925	0.25	Inlet	66	74	75	71	70	68	61	52	75
		Outlet	69	71	69	69	71	69	62	54	75
	0.5	Inlet	64	73	74	70	66	64	58	51	72
		Outlet	67	70	68	68	68	66	60	53	72
1000	0.25	Inlet	68	75	78	74	72	72	63	55	78
		Outlet	71	73	71	71	73	72	65	57	77
	0.5	Inlet	66	73	77	73	69	68	61	54	75
		Outlet	69	72	70	70	71	69	63	56	75
	1	Inlet	69	72	73	68	64	62	59	52	71
		Outlet	71	71	69	67	67	65	60	54	71
1075	0.25	Inlet	70	75	80	77	73	75	66	57	80
		Outlet	72	75	73	73	74	75	68	59	80
	0.5	Inlet	68	74	79	76	71	72	64	56	78
		Outlet	71	74	72	72	73	72	66	58	78
	1	Inlet	67	71	77	72	66	66	61	55	74
		Outlet	70	72	70	69	69	68	63	56	74
1150	0.25	Inlet	72	75	82	79	74	79	69	60	83
		Outlet	74	77	75	75	76	78	70	62	82
	0.5	Inlet	70	74	82	78	73	75	67	59	81
		Outlet	73	76	74	74	75	75	69	61	80
	1	Inlet	68	72	79	76	69	69	64	57	77
		Outlet	71	74	72	72	72	71	66	59	77
	1.5	Inlet	80	79	76	72	66	64	62	56	74
		Outlet	80	77	73	71	70	67	64	58	75
1225	0.25	Inlet	73	76	84	81	76	82	71	62	85
		Outlet	75	79	76	76	77	80	73	64	84
	0.5	Inlet	72	75	83	80	74	79	70	61	83
		Outlet	75	79	75	75	76	78	71	63	82
	1	Inlet	70	73	82	79	71	73	67	59	80
		Outlet	73	76	74	74	74	74	69	61	79
	1.5	Inlet	74	74	79	75	68	68	65	59	77
		Outlet	76	76	73	72	72	70	67	60	77

225 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
525	0.25	Inlet	58	61	57	54	51	48	41	33	57
		Outlet	59	58	55	56	54	50	43	35	58
650	0.25	Inlet	62	69	65	63	60	56	50	41	65
		Outlet	63	66	61	63	63	58	52	43	66
	0.5	Inlet	65	66	61	58	55	53	48	40	61
		Outlet	65	64	60	59	58	55	49	41	62
775	0.25	Inlet	65	75	71	68	67	64	56	48	72
		Outlet	67	70	66	67	70	65	58	50	72
	0.5	Inlet	63	73	69	66	62	60	55	46	68
		Outlet	65	68	64	65	66	62	56	48	69
900	0.25	Inlet	68	76	77	73	72	70	62	53	77
		Outlet	71	73	71	71	73	71	64	55	77
	0.5	Inlet	66	75	76	72	68	66	60	52	74
		Outlet	69	72	70	69	70	68	62	54	74
	1	Inlet	73	74	71	67	63	61	57	51	70
		Outlet	73	71	69	67	66	63	59	52	71
1025	0.25	Inlet	71	77	81	77	75	76	67	58	81
		Outlet	74	76	74	74	76	76	68	60	81
	0.5	Inlet	70	76	80	76	73	73	65	57	79
		Outlet	73	75	73	73	74	73	67	59	79
	1	Inlet	68	73	78	73	68	67	62	55	75
		Outlet	71	73	71	71	71	69	64	57	75
1150	0.25	Inlet	75	77	85	81	77	82	71	62	86
		Outlet	77	80	77	77	78	81	73	64	84
	0.5	Inlet	73	76	84	81	75	79	70	61	84
		Outlet	76	79	76	76	77	78	71	63	83
	1	Inlet	71	74	82	79	72	73	67	60	81
		Outlet	74	77	75	75	75	74	69	61	80
	1.5	Inlet	75	75	80	75	69	68	65	59	77
		Outlet	76	76	74	73	73	71	67	60	77
1275	0.25	Inlet	77	79	87	84	79	85	75	66	89
		Outlet	78	82	79	79	80	84	76	68	87
	0.5	Inlet	76	79	87	84	78	82	74	65	87
		Outlet	78	82	78	79	80	82	75	67	86
	1	Inlet	74	77	86	83	76	77	71	63	85
		Outlet	77	80	77	78	78	78	73	65	83
	1.5	Inlet	73	75	84	81	73	74	69	62	82
		Outlet	75	78	76	76	76	75	71	64	81
	2	Inlet	82	81	81	78	71	70	67	62	79
		Outlet	82	81	77	76	75	72	69	63	80
1400	0.25	Inlet	79	82	89	87	82	86	79	69	91
		Outlet	80	84	81	81	82	85	80	71	89
	0.5	Inlet	78	81	88	87	81	85	78	68	90
		Outlet	80	83	80	81	82	84	79	70	88
	1	Inlet	76	80	88	86	80	81	75	67	88
		Outlet	79	82	79	80	80	81	76	69	86
	1.5	Inlet	75	78	86	85	78	77	73	66	86
		Outlet	77	81	78	79	79	79	75	68	84
2	Inlet	75	78	85	82	75	74	71	65	83	
	Outlet	77	80	77	78	77	76	73	67	82	

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi, LWiA and outlet LWo, LWoA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

SQN-HP Sound Data

245 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts									L _{WA}
			Octave Bands									
			1	2	3	4	5	6	7	8		
450	0.25	Inlet	57	60	54	50	49	45	38	31	54	
		Outlet	61	57	54	54	51	48	40	32	56	
600	0.25	Inlet	64	74	68	60	62	57	49	41	67	
		Outlet	67	66	61	63	65	58	51	43	67	
600	0.5	Inlet	66	68	63	57	54	55	47	40	62	
		Outlet	69	66	61	61	59	56	49	42	64	
750	0.25	Inlet	69	77	74	68	68	66	58	50	73	
		Outlet	72	71	67	68	70	68	60	52	73	
	0.5	Inlet	68	75	73	66	65	62	56	48	70	
		Outlet	72	70	66	67	68	64	59	50	71	
900	0.25	Inlet	72	79	80	71	71	74	65	57	79	
		Outlet	75	75	71	72	72	74	67	59	78	
	0.5	Inlet	72	78	79	70	71	71	63	55	77	
		Outlet	74	74	70	71	72	72	65	57	77	
	1	Inlet	70	75	75	67	65	63	60	54	72	
		Outlet	73	72	69	69	69	66	63	55	73	
1050	0.25	Inlet	75	82	84	76	74	79	71	62	83	
		Outlet	78	79	75	76	76	77	73	64	82	
	0.5	Inlet	75	81	83	75	74	77	69	61	82	
		Outlet	77	78	74	75	75	77	71	63	81	
	1	Inlet	74	80	82	73	73	71	66	59	79	
		Outlet	75	77	73	74	74	74	68	61	79	
	1.5	Inlet	77	79	79	71	68	67	64	59	76	
		Outlet	77	77	73	72	72	69	67	60	77	
1200	0.25	Inlet	78	85	88	81	77	81	77	67	86	
		Outlet	81	82	78	79	79	80	79	69	86	
	0.5	Inlet	77	84	87	80	77	80	75	66	85	
		Outlet	80	82	77	78	79	80	77	68	85	
	1	Inlet	77	83	86	79	77	77	72	64	84	
		Outlet	78	81	76	77	77	79	73	66	84	
	1.5	Inlet	76	82	85	77	75	73	69	63	81	
		Outlet	76	81	76	76	76	76	72	65	82	
	2	Inlet	80	83	83	76	72	70	67	63	79	
		Outlet	80	82	76	75	75	72	70	64	80	
1350	0.25	Inlet	80	87	91	85	80	82	81	72	89	
		Outlet	83	84	82	81	82	82	83	73	88	
	0.5	Inlet	80	86	90	85	79	82	80	71	89	
		Outlet	83	84	81	81	82	82	81	72	88	
	1	Inlet	79	86	89	84	79	81	77	69	87	
		Outlet	82	83	80	80	81	81	79	71	87	
	1.5	Inlet	79	85	89	83	78	79	74	67	86	
		Outlet	80	83	79	79	80	80	77	70	86	
	2	Inlet	78	84	87	81	76	75	72	66	84	
		Outlet	78	83	79	78	79	78	75	69	84	
1500	0.25	Inlet	82	89	94	89	82	84	85	76	92	
		Outlet	86	86	85	83	84	84	86	77	91	
	0.5	Inlet	82	88	93	89	82	83	84	75	92	
		Outlet	85	86	85	83	84	84	85	76	91	
	1	Inlet	81	88	93	88	81	83	82	73	91	
		Outlet	84	86	84	82	83	83	84	75	90	
	1.5	Inlet	81	88	92	87	81	82	79	71	90	
		Outlet	84	85	83	82	82	83	82	74	89	
	2	Inlet	80	87	91	86	80	81	77	70	89	
		Outlet	82	85	82	81	82	82	80	73	88	
	3	Inlet	82	87	89	84	77	75	73	69	86	
		Outlet	82	86	82	80	80	79	76	72	85	

270 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
500	0.25	Inlet	65	70	64	59	58	54	45	38	63
		Outlet	66	64	61	62	61	55	48	39	64
600	0.25	Inlet	68	77	71	63	67	61	53	45	70
		Outlet	70	69	65	66	68	62	55	47	71
	0.5	Inlet	67	73	67	61	59	58	50	43	65
		Outlet	70	69	64	64	63	59	53	45	67
700	0.25	Inlet	71	79	75	68	70	67	59	51	74
		Outlet	73	73	69	69	71	68	61	53	75
	0.5	Inlet	70	77	73	67	67	64	56	49	72
		Outlet	72	71	68	68	69	65	59	51	72
800	0.25	Inlet	74	81	79	72	72	73	64	56	78
		Outlet	75	76	72	73	73	73	66	57	78
	0.5	Inlet	73	80	78	71	71	70	62	54	76
		Outlet	74	75	71	72	72	71	64	56	77
	1	Inlet	72	77	74	67	65	63	59	53	71
		Outlet	74	74	70	69	68	65	61	54	73
900	0.25	Inlet	76	83	82	74	74	78	69	60	82
		Outlet	77	78	74	75	75	77	70	62	81
	0.5	Inlet	76	82	81	73	74	75	66	59	80
		Outlet	77	78	74	74	75	76	68	61	80
	1	Inlet	74	80	80	71	72	69	63	57	77
		Outlet	77	76	72	73	73	72	66	59	78
	1.5	Inlet	83	81	77	70	68	66	62	57	75
		Outlet	82	77	74	73	72	68	65	58	76
1000	0.25	Inlet	78	85	86	77	75	81	73	64	85
		Outlet	80	81	77	78	78	80	74	65	84
	0.5	Inlet	78	84	85	76	76	79	71	63	84
		Outlet	79	80	76	77	77	79	72	65	83
	1	Inlet	77	83	84	74	76	75	68	61	81
		Outlet	78	79	75	76	76	77	70	63	81
	1.5	Inlet	76	80	81	72	70	69	66	60	77
		Outlet	78	77	74	74	74	71	68	62	78
1100	0.25	Inlet	80	87	89	81	78	83	76	67	87
		Outlet	81	83	80	80	80	82	77	69	86
	0.5	Inlet	80	86	88	80	78	81	75	66	86
		Outlet	81	82	80	79	79	81	76	68	86
	1	Inlet	79	85	87	78	78	79	72	64	85
		Outlet	80	81	79	78	78	80	74	66	84
	1.5	Inlet	78	84	86	77	76	74	69	63	82
		Outlet	80	80	78	77	77	77	72	65	83
2	Inlet	81	84	84	76	72	71	68	63	80	
	Outlet	82	80	78	76	76	73	71	64	81	

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi, LWiA and outlet LWo, LWoA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

300 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
450	0.25	Inlet	74	67	62	58	59	54	46	37	63
		Outlet	65	64	61	62	61	56	49	41	65
500	0.25	Inlet	76	70	66	61	62	58	50	42	66
		Outlet	67	67	64	64	64	60	54	45	68
	0.5	Inlet	73	67	64	60	58	55	49	41	63
		Outlet	66	66	63	64	61	57	51	44	66
550	0.25	Inlet	76	75	69	64	64	61	54	46	69
		Outlet	69	70	66	67	66	63	57	50	70
	0.5	Inlet	74	73	67	63	61	58	52	44	67
		Outlet	67	68	65	66	64	60	55	48	68
600	0.25	Inlet	76	78	72	67	66	64	57	49	72
		Outlet	71	72	69	69	68	66	60	54	73
	0.5	Inlet	74	77	71	66	64	61	55	48	70
		Outlet	69	70	67	68	67	63	58	52	71
650	0.25	Inlet	76	81	75	69	68	66	60	52	74
		Outlet	73	73	71	71	70	68	63	57	75
	0.5	Inlet	74	80	74	68	66	64	59	51	73
		Outlet	71	72	69	70	69	66	61	55	73
700	0.25	Inlet	75	82	78	71	69	68	63	55	76
		Outlet	74	75	72	73	72	70	66	60	77
	0.5	Inlet	74	82	77	70	68	66	61	54	75
		Outlet	73	74	71	72	71	68	64	58	75
	1	Inlet	75	78	74	68	66	64	59	54	72
		Outlet	73	72	70	71	69	65	62	57	74
750	0.25	Inlet	75	83	81	73	71	70	65	58	78
		Outlet	75	78	74	75	74	72	68	62	79
	0.5	Inlet	73	83	80	72	70	69	64	57	77
		Outlet	74	77	73	74	73	70	67	61	77
	1	Inlet	71	80	77	69	68	66	62	56	74
		Outlet	72	73	71	72	71	67	64	60	75
800	0.25	Inlet	76	84	83	75	72	72	67	60	80
		Outlet	77	79	75	76	75	73	70	64	80
	0.5	Inlet	75	84	82	74	72	71	66	59	79
		Outlet	76	78	74	75	75	72	69	63	79
	1	Inlet	73	81	80	73	70	68	64	58	77
		Outlet	75	76	73	73	73	70	67	61	77
850	0.25	Inlet	77	85	84	77	74	73	69	62	81
		Outlet	78	81	77	77	77	75	73	66	82
	0.5	Inlet	76	85	84	76	73	72	68	61	81
		Outlet	77	80	76	76	76	74	71	65	81
	1	Inlet	74	82	82	75	72	70	66	60	79
		Outlet	76	78	74	75	75	72	69	63	79
	1.5	Inlet	78	82	79	74	71	69	65	60	77
		Outlet	78	76	74	74	74	70	67	63	78
900	0.25	Inlet	78	86	86	79	75	75	71	64	83
		Outlet	79	82	78	79	78	76	75	68	83
	0.5	Inlet	77	86	86	78	75	74	70	63	82
		Outlet	78	82	77	78	78	75	73	67	82
	1	Inlet	75	84	84	78	74	72	68	62	81
		Outlet	77	80	76	76	76	73	71	65	81
	1.5	Inlet	75	83	82	75	72	70	67	61	79
		Outlet	76	77	74	75	75	72	69	64	79

330 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
400	0.25	Inlet	75	67	62	59	58	53	45	36	62
		Outlet	66	64	61	62	60	55	48	40	64
475	0.25	Inlet	78	71	68	63	64	59	52	43	68
		Outlet	70	69	66	66	66	61	55	47	70
	0.5	Inlet	75	68	65	62	59	57	50	42	65
		Outlet	67	67	65	66	63	59	53	46	67
550	0.25	Inlet	78	78	73	67	67	64	57	49	72
		Outlet	72	73	70	70	69	66	61	54	73
	0.5	Inlet	76	77	71	66	65	62	56	48	71
		Outlet	71	71	68	69	67	64	59	52	72
625	0.25	Inlet	77	82	77	71	70	68	62	54	76
		Outlet	75	76	73	73	72	70	65	59	77
	0.5	Inlet	76	81	76	70	68	66	61	53	75
		Outlet	74	75	72	72	71	68	63	58	75
	1	Inlet	77	78	73	69	66	63	59	53	72
		Outlet	74	73	71	71	69	65	61	57	74
700	0.25	Inlet	77	85	82	74	72	71	66	58	79
		Outlet	77	79	75	76	75	73	69	63	80
	0.5	Inlet	76	84	81	73	71	70	65	58	78
		Outlet	76	78	74	75	74	71	68	62	78
	1	Inlet	74	82	78	71	69	67	63	57	76
		Outlet	74	75	73	73	72	69	65	61	77
775	0.25	Inlet	79	87	85	77	75	74	69	62	82
		Outlet	79	81	78	78	77	76	72	66	83
	0.5	Inlet	78	87	84	76	74	73	68	61	81
		Outlet	78	81	77	78	77	74	71	65	81
	1	Inlet	76	84	82	75	73	71	67	60	80
		Outlet	77	79	76	76	75	72	69	64	80
	1.5	Inlet	80	83	80	74	71	69	65	60	78
		Outlet	78	77	75	76	75	71	67	63	79
850	0.25	Inlet	81	88	87	80	77	77	72	65	84
		Outlet	81	83	80	81	80	79	75	69	85
	0.5	Inlet	80	88	87	80	76	76	71	64	84
		Outlet	80	83	80	80	79	77	74	68	84
	1	Inlet	78	87	86	79	76	74	70	63	83
		Outlet	79	81	79	78	78	75	72	67	83
	1.5	Inlet	77	85	84	77	74	72	68	62	81
		Outlet	78	79	77	77	77	74	70	66	81
	2	Inlet	86	85	82	77	74	72	68	63	80
		Outlet	83	80	78	78	77	73	70	66	81

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi, LWiA and outlet LWo, LWoA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.

SQN-HP Sound Data

365 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _w A
			Octave Bands								
			1	2	3	4	5	6	7	8	
325	0.25	Inlet	68	64	60	57	55	49	41	34	59
		Outlet	67	62	60	59	57	52	43	34	61
375	0.25	Inlet	74	69	65	61	60	55	46	38	65
		Outlet	72	66	64	63	62	57	49	39	66
425	0.25	Inlet	76	74	69	64	63	60	52	41	69
		Outlet	74	71	67	66	66	63	55	44	70
	0.5	Inlet	73	71	66	62	60	56	50	43	65
		Outlet	73	68	66	65	63	59	52	44	67
475	0.25	Inlet	78	79	73	67	66	64	59	45	72
		Outlet	76	74	71	69	68	67	62	48	73
	0.5	Inlet	76	77	71	66	64	62	56	45	70
		Outlet	74	72	69	68	66	64	58	47	71
525	0.25	Inlet	78	83	77	70	68	67	65	50	75
		Outlet	79	77	73	72	70	70	68	53	77
	0.5	Inlet	77	81	76	68	67	65	63	48	74
		Outlet	77	75	72	71	69	68	66	51	75
575	0.25	Inlet	79	87	81	72	70	69	72	54	79
		Outlet	81	80	76	75	72	72	75	57	80
	0.5	Inlet	77	85	80	71	69	68	72	53	78
		Outlet	79	79	75	74	71	70	74	55	79
	1	Inlet	78	82	75	67	66	63	59	53	73
		Outlet	80	76	73	73	70	67	62	55	75
625	0.25	Inlet	80	89	84	74	72	71	76	59	82
		Outlet	83	82	78	78	74	74	79	62	83
	0.5	Inlet	78	88	83	73	71	70	76	57	81
		Outlet	82	81	77	77	73	72	78	60	82
	1	Inlet	76	86	80	70	69	66	64	55	77
		Outlet	80	77	75	74	72	69	67	57	77
675	0.25	Inlet	81	91	87	77	74	73	77	62	84
		Outlet	85	83	80	79	77	76	80	66	85
	0.5	Inlet	80	90	86	76	73	72	77	62	83
		Outlet	84	82	79	79	76	74	80	64	84
	1	Inlet	78	88	84	74	71	69	72	59	80
		Outlet	80	79	77	76	74	72	73	61	80
	1.5	Inlet	84	84	79	72	70	67	63	58	77
		Outlet	85	80	78	77	75	71	67	60	80

402 SQN-HP

RPM	SP	Condition	Sound Power re 10 ⁻¹² Watts								L _{WA}
			Octave Bands								
			1	2	3	4	5	6	7	8	
300	0.25	Inlet	69	65	61	58	56	49	41	34	60
		Outlet	67	63	61	61	58	52	43	34	62
350	0.25	Inlet	75	71	66	62	61	56	47	38	66
		Outlet	73	68	65	65	63	58	50	40	67
	0.5	Inlet	71	65	62	58	56	53	46	40	62
		Outlet	72	66	65	63	60	57	49	40	65
400	0.25	Inlet	79	76	71	65	65	62	53	42	70
		Outlet	76	72	69	68	67	65	57	44	72
	0.5	Inlet	76	73	68	64	62	58	51	43	67
		Outlet	74	69	68	67	64	61	54	44	69
450	0.25	Inlet	80	81	75	69	68	67	60	46	74
		Outlet	78	76	72	71	70	69	64	49	75
	0.5	Inlet	79	79	73	67	66	64	58	45	72
		Outlet	76	74	71	70	68	66	60	47	73
500	0.25	Inlet	81	85	79	71	70	70	67	50	77
		Outlet	81	79	75	74	72	72	70	54	79
	0.5	Inlet	80	84	78	70	69	68	66	49	76
		Outlet	79	77	74	73	71	71	69	51	77
	1	Inlet	80	79	72	67	65	62	57	52	71
		Outlet	80	76	74	73	70	66	61	53	75
550	0.25	Inlet	82	89	83	73	72	72	74	55	81
		Outlet	83	81	78	77	74	74	77	58	82
	0.5	Inlet	80	88	82	72	71	71	74	54	80
		Outlet	81	80	77	76	73	73	76	56	81
	1	Inlet	77	85	78	69	68	65	61	54	75
		Outlet	80	76	74	74	71	68	64	56	76
600	0.25	Inlet	83	92	86	76	74	73	79	60	84
		Outlet	86	84	80	80	76	76	81	63	85
	0.5	Inlet	81	91	85	75	73	72	79	59	84
		Outlet	84	83	79	79	76	75	81	61	85
	1	Inlet	79	89	83	73	71	69	71	57	80
		Outlet	81	79	77	77	74	72	73	59	80
650	0.25	Inlet	84	93	89	79	76	75	80	64	86
		Outlet	88	85	82	82	79	78	83	67	87
	0.5	Inlet	83	92	88	78	75	74	80	63	86
		Outlet	86	85	81	81	78	77	82	66	86
	1	Inlet	81	91	86	76	74	72	76	61	83
		Outlet	83	82	80	79	76	74	78	63	83
	1.5	Inlet	82	88	83	74	72	70	65	60	80
		Outlet	85	81	79	78	76	73	69	62	81
700	0.25	Inlet	86	95	91	82	78	77	81	67	88
		Outlet	89	87	84	83	81	80	84	71	88
	0.5	Inlet	85	94	91	81	77	76	81	67	87
		Outlet	88	86	84	83	80	79	83	70	88
	1	Inlet	83	92	89	80	76	75	79	65	86
		Outlet	85	85	82	81	79	77	81	68	86
	1.5	Inlet	81	91	87	78	74	72	71	63	83
		Outlet	85	82	81	80	77	75	73	65	83
	2	Inlet	89	88	83	76	74	71	67	62	81
		Outlet	89	84	82	81	79	75	71	64	84

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi, LWiA and outlet LWo, LWoA sound power levels for Installation Type B: Free inlet, Ducted outlet. Inlet ratings do not include the effects of duct end correction. Outlet ratings include the effects of duct end correction.



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