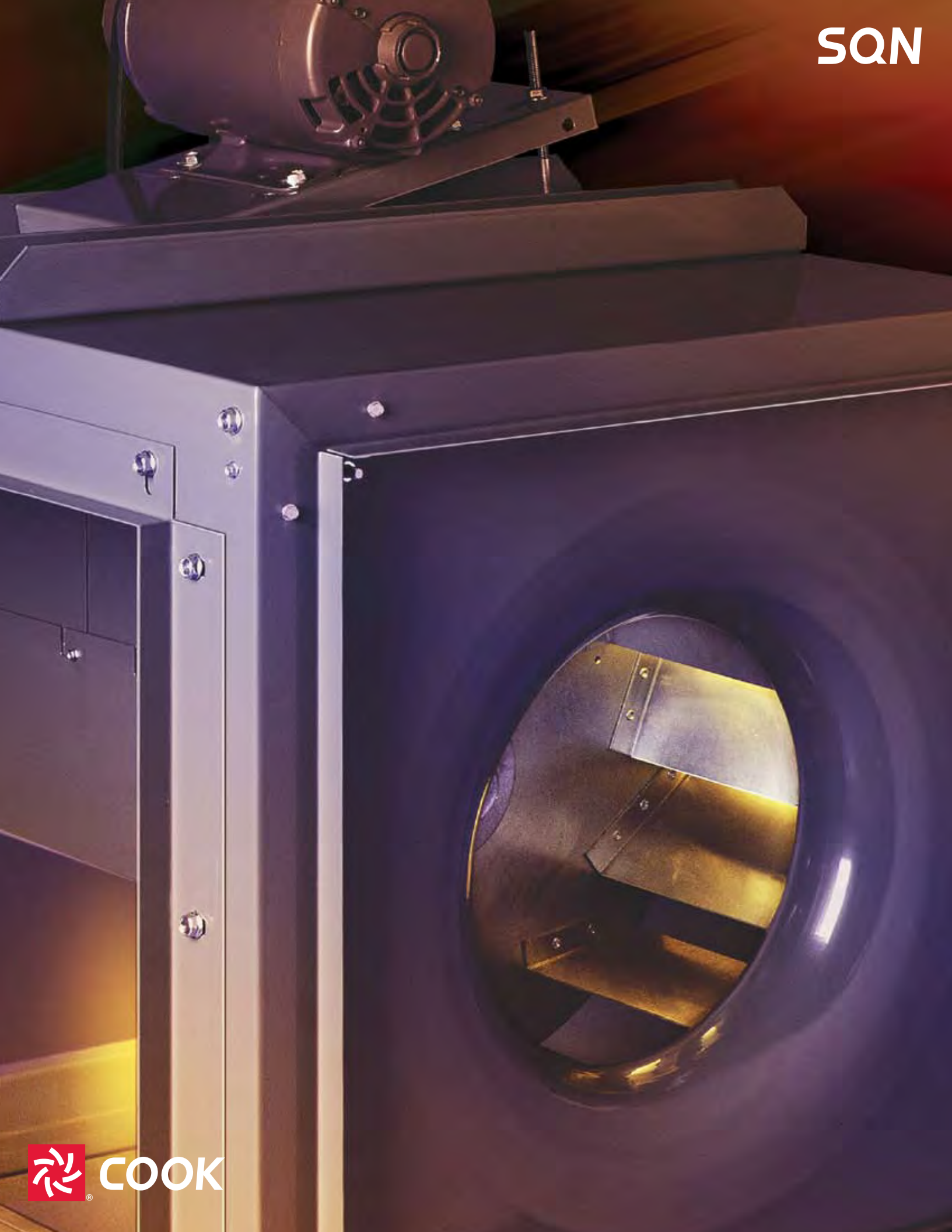

SQN
COOK

SQN

Square Inline Fans with Multi-Directional Discharge

INTRODUCTION

Cook's SQN - Square Inline Fan - is the most versatile fan in the industry. The SQN has the shortest depth of any available square inline fan. Standard universal mounting feet allows 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. By utilizing the side discharge options, installation costs, pressure loss, system effect and space requirements are reduced. (Side discharge options are illustrated on page 10) The SQN-B, SQN-HP and SQN-D are licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance.

SQN-B / SQN-HP

SQN-D

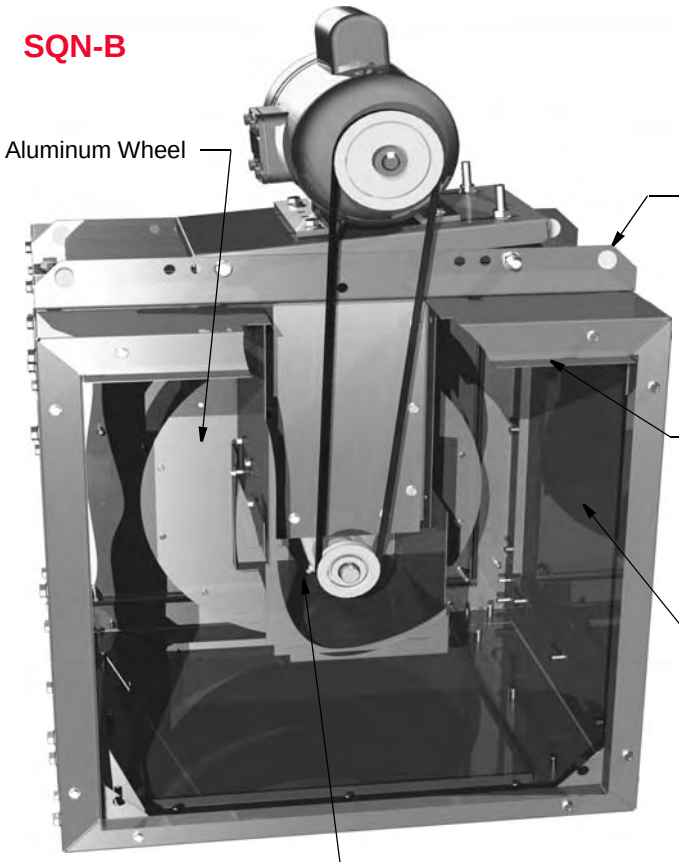
SQN

- Available in 7 direct drive sizes and 18 belt drive sizes. Capacities range from 100 to 26,000 CFM, with static pressures from 0 to 2-1/2 inches.

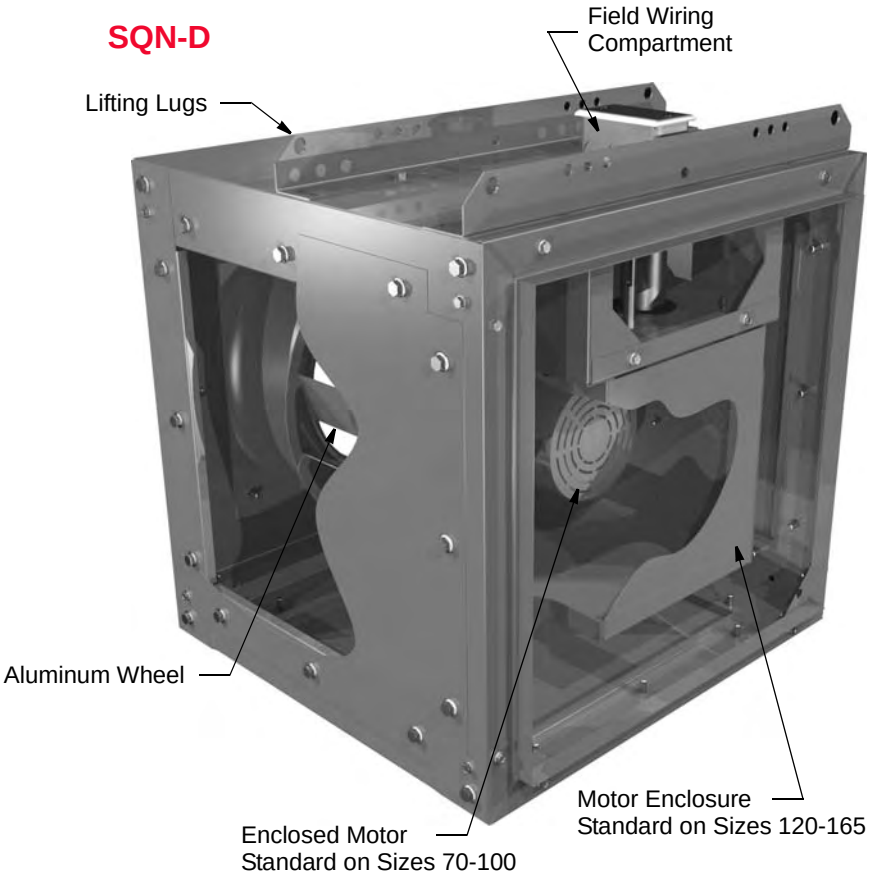
SQN-HP

- Available in 13 belt drive sizes. Capacities range from 1000 to 22,000 CFM, with static pressures from 1/4 to 5 inches.

SQN-B


Aluminum Wheel
Lifting Lugs
Integral Inlet &
Outlet Duct Collars
(3) Access Doors
Regreasable Pillowblock Bearings
in Cast Iron Housing

SQN-D


Field Wiring
Compartment
Lifting Lugs
Aluminum Wheel
Enclosed Motor
Standard on Sizes 70-100
Motor Enclosure
Standard on Sizes 120-165

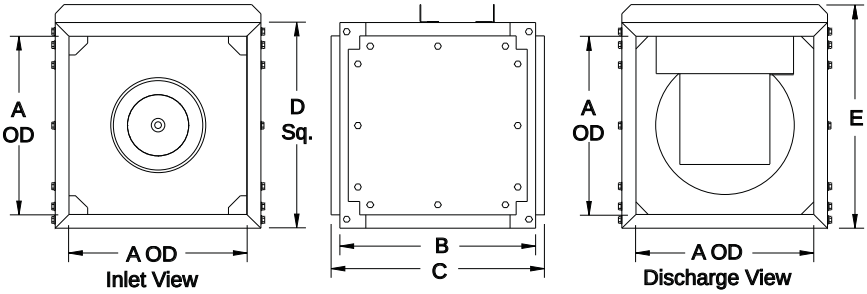
Direct Drive

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

Loren Cook Company certifies that the SQN-D 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 is furnished standard with UL 705 Listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Type SQN-D is furnished standard with $_{C}$UL Listing (Power Ventilator) when furnished with factory supplied motor.



SQN-D Dimension Data

Size	A	B	C	D Sq.	E	Inlet and Rear Discharge Duct Size (ID)	Optional Side Discharge Duct Size (WxH) (ID)	Approx. Ship Wt.-Lbs.
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.

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.

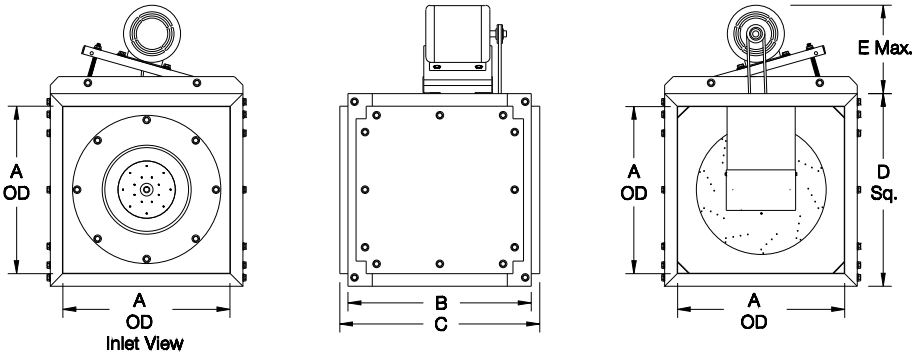
Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory 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 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-B is furnished standard with UL 705 Listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Type SQN-B is furnished standard with $_{C}$UL Listing (Power Ventilator) when furnished with factory supplied motor.



SQN-B Dimension Data

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. Ship Wt.-Lbs. Less Motor and Drive
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.

Belt Drive
High Pressure

Loren Cook Company certifies that the SQN-HP 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-HP is furnished standard with UL 705 Listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Type SQN-HP is furnished standard with cUL Listing (Power Ventilator) 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.

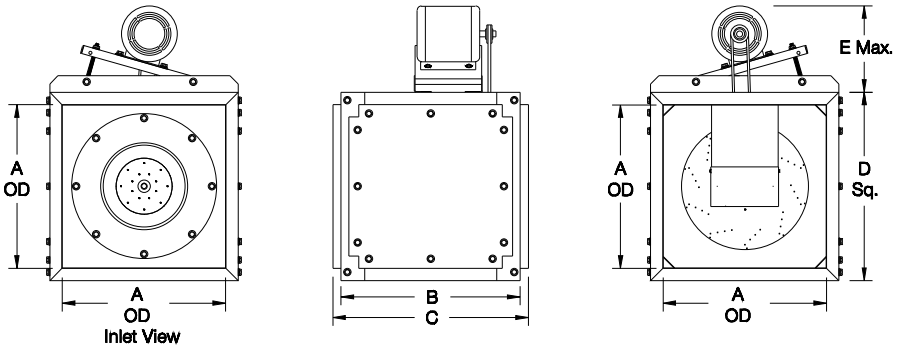
Wheel - Wheel shall be high pressure centrifugal backward inclined, constructed of 100% aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA 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, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent 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.

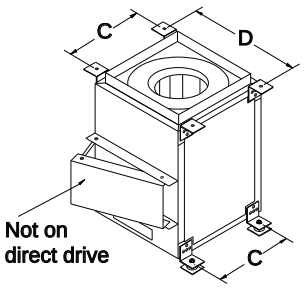


SQN-HP Dimension Data

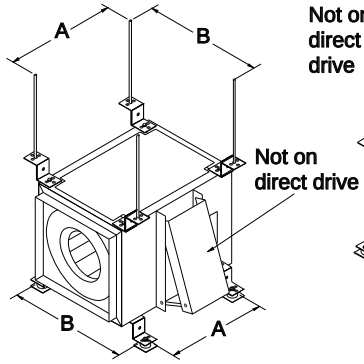
Size	A	B	C	D	E	Inlet and Rear Discharge Duct Size (ID)	Optional Side Discharge Duct Size (WxH) (ID)	Max.Motor Frame Size	Approx. Ship Wt.-Lbs. Less Motor and Drive
135	18	20-1/4	22-1/4	20-3/4	12-1/2	18 sq.	14-1/4 x 13-1/8	145T	125
150	20	21-7/8	23-7/8	23	12-3/4	20 sq.	15-15/16 x 16-1/8	145T	150
165	22	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.

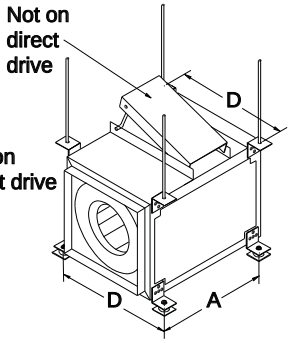
Universal Mounting - The SQN is provided with universal mounting feet for installation in any horizontal or vertical position. These feet are shipped loose for field installation in the desired location. The mounting feet are attached utilizing existing bolts in the fan. See the adjacent drawings for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

SQN-D

Size	A	B	C	D
70	9-15/16	15-11/16	9-15/16	15
90	12-15/16	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

All dimensions in inches.

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.

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.

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.

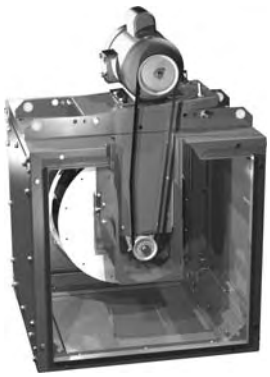
Three-phase motors:

- 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 performance tables are shipped factory installed.

ACCESSORIES

Belt Tensioner - Cook's automatic belt tensioner eliminates the need for regular manual retensioning of fan belts. The risk of inadvertantly 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.

Inlet 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.

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.

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.

Outlet Safety Screen - Outlet safety screens are used on non-ducted installations to protect personnel and prevent debris from entering the fan. This screen is constructed of 16 gauge 1/2" x 1" expanded metal complete with mounting frame. This assembly is Lorenized® and factory installed.

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 and incorporates a removable access panel, washable slide-out filters and integral duct collars. Disposable filters are also available.

Inlet/Outlet 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.

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.

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.

NEMA 1

NEMA 1 (lockable)

NEMA 4

NEMA 7 NEMA 9

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.

Model RC RIS Ceiling

Model SC Spring Ceiling

Model HF Housed Floor

Model SF Spring Floor

Model RF RIS Floor

Optional Coatings

Lorenized® 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.

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.

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.

OPTIONAL SIDE DISCHARGE

Single Side Discharge Package - 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.

Dual Side Discharge Package - 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.

SQN Side Discharge Correction Factors

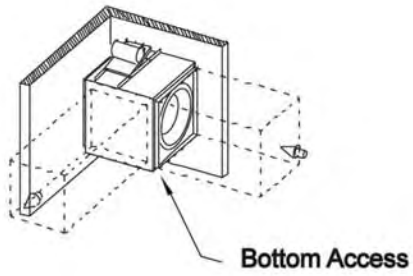
Size	SQN-B				SQN-HP			
	Single		Dual		Single		Dual	
	CFM	HP	CFM	HP	CFM	HP	CFM	HP
60	+3%	+3%	+3%	-3%	-3%	+5%	0%	-2%
70	+2%	+2%	+3%	-3%	-3%	+5%	0%	-2%
80	+2%	+2%	+3%	-4%	-3%	+5%	0%	-3%
100	+1%	+2%	+3%	-5%	-3%	+5%	0%	-3%
120	+1%	+1%	+4%	-6%	-2%	+4%	+1%	-4%
135	+1%	+1%	+4%	-7%	-2%	+4%	+1%	-4%
150	+1%	+1%	+4%	-9%	-1%	+2%	+1%	-4%
165	0%	0%	+4%	-10%	0%	0%	+1%	-5%
180	0%	0%	+5%	-12%	+1%	0%	+2%	-6%

Size	SQN-B				SQN-HP			
	Single		Dual		Single		Dual	
	CFM	HP	CFM	HP	CFM	HP	CFM	HP
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%

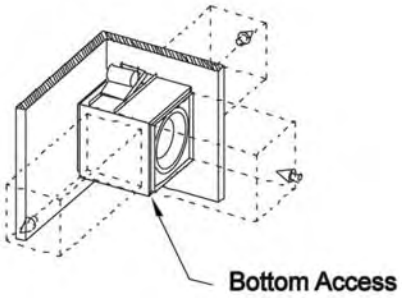
Size	SQN-D			
	Single		Dual	
	CFM	HP	CFM	HP
70	-5%	+4%	+8%	+6%
90	-4%	+3%	+8%	+5%
100	-4%	+3%	+8%	+4%
120	-3%	+2%	+9%	+3%
135	-2%	+1%	+9%	+2%
150	-2%	+1%	+9%	+1%
165	-1%	0%	+10%	0%

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.

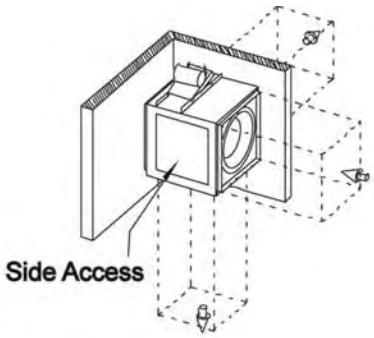
TYPICAL SIDE DISCHARGE APPLICATIONS



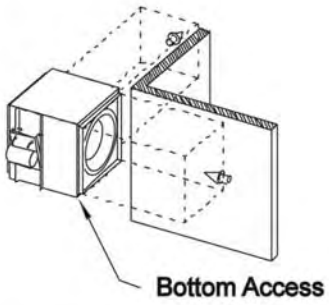
Example 1



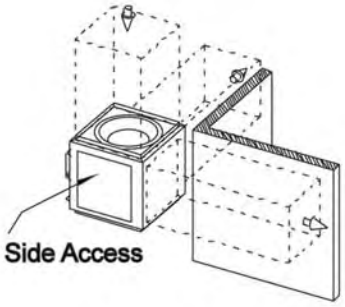
Example 2



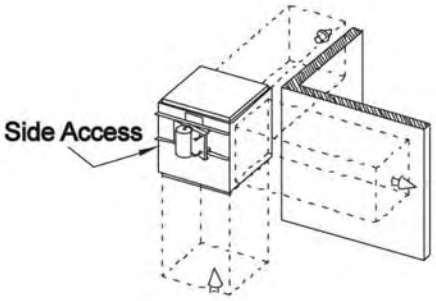
Example 3



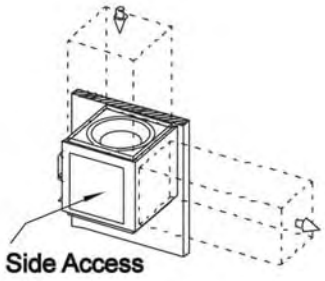
Example 4



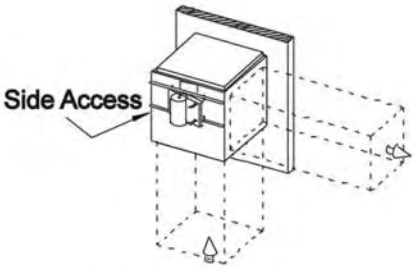
Example 5



Example 6

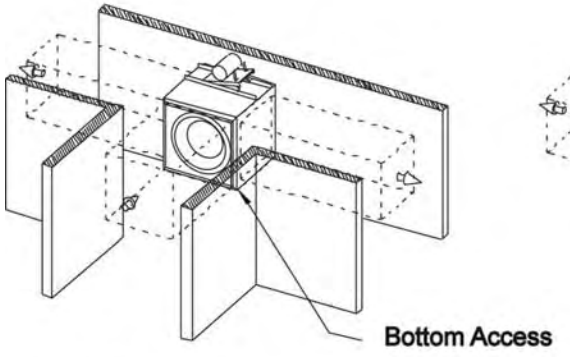


Example 7

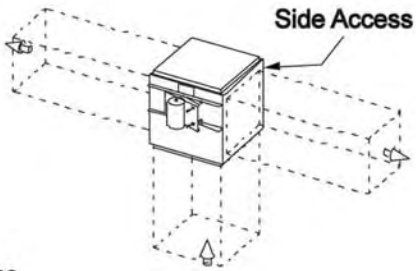


Example 8

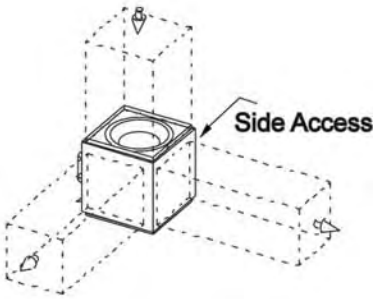
Example 9



Example 10



Example 11



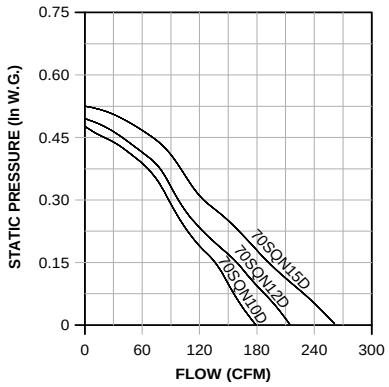
Example 12

70-165 SQN-D

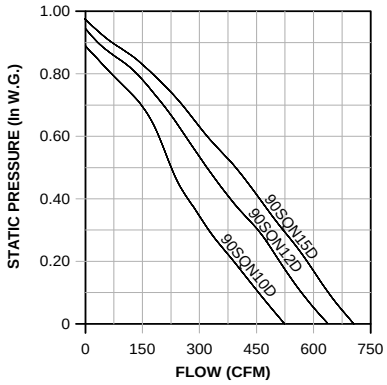
Catalog Number	Max. Watts/BHP	Nominal RPM	Motor HP	CFM vs. Static Pressure													
				0.0	0.100	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000	1.250	1.500	1.750	2.000
70SQN10D	58W	1355	1/20	179	150	144	100	66									
70SQN12D	69W	1415	1/20	214	177	168	113	78									
70SQN15D	114W	1656	1/20	261	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.

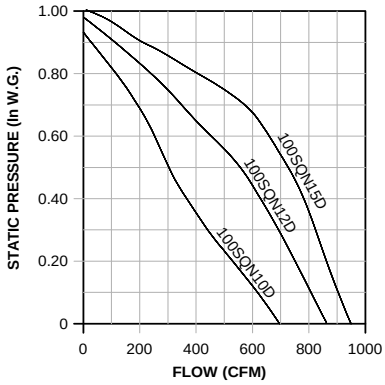
70SQN10D, 70SQN12D, 70SQN15D



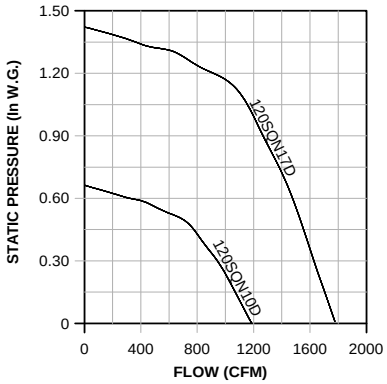
90SQN10D, 90SQN12D, 90SQN15D



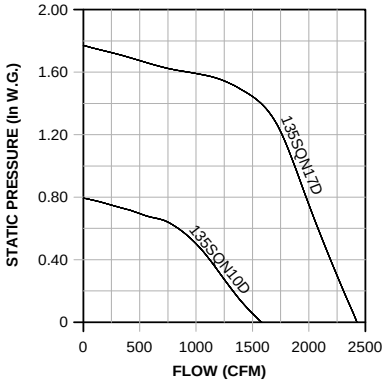
100SQN10D, 100SQN12D, 100SQN15D



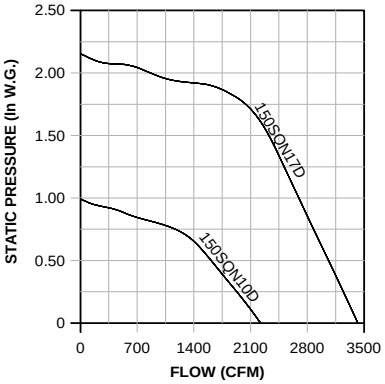
120SQN10D, 120SQN17D



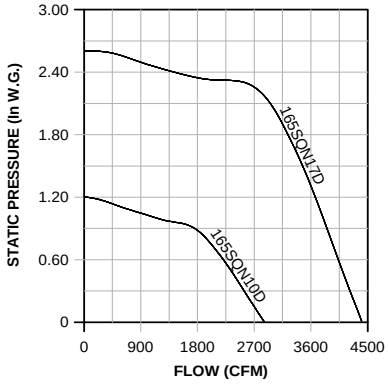
135SQN10D, 135SQN17D



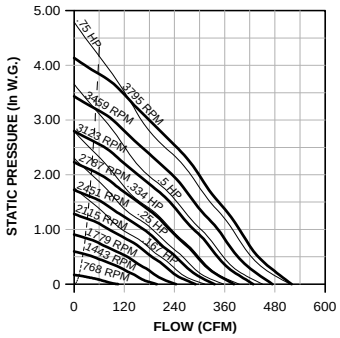
150SQN10D, 150SQN17D

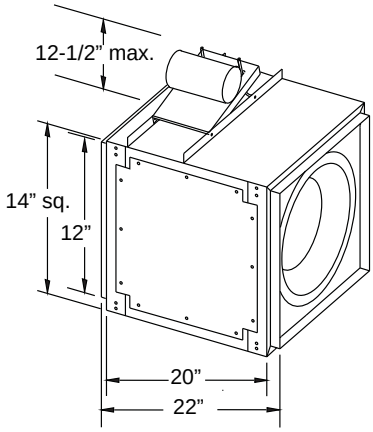


165SQN10D, 165SQN17D



60 SQN-B





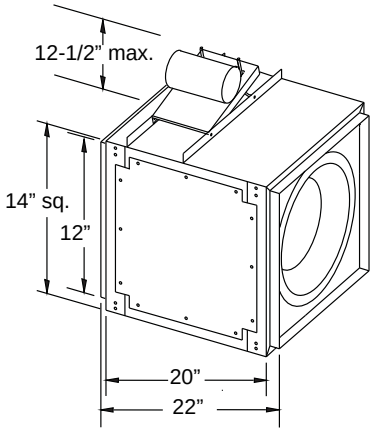
Wheel Diameter – 10"
Tip Speed (FPM) = 2.62 x RPM
60 SQN-B Max. HP = 0.015 x (RPM/1000)^3
70 SQN-B Max. HP = 0.017 x (RPM/1000)^3
Outlet Area = 1.00 FT^2
Outlet Velocity (FPM) = CFM/1.00
Max. Motor Frame Size - 143T
1140 Motor Requirements -
1200 and lower RPM
3450 Motor Requirements -
2500 and greater RPM

60 SQN-B

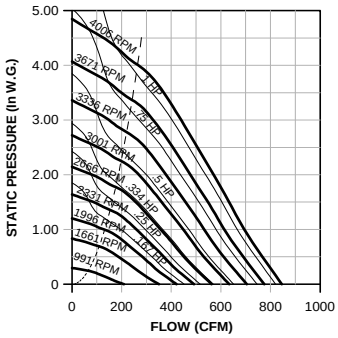
CFM	OV	0.125" SP		0.250"SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
35	35	768	.01	1030	.01	1403	.04	1697	.06	1946	.09								
55	55	849	.01	1108	.02	1479	.05	1761	.07	2002	.11	2414	.18	2766	.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). Underlined figures indicate point of maximum static efficiency.

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 FT^2
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

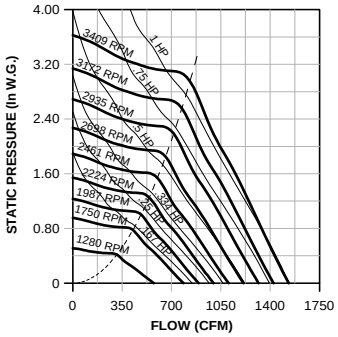


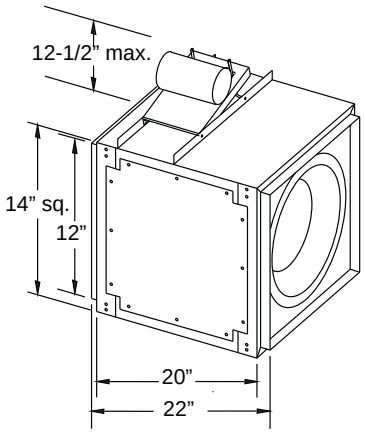
70 SQN-B

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). Underlined figures indicate point of maximum static efficiency.

80 SQN-B





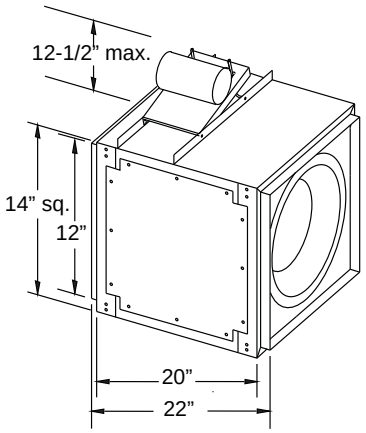
Wheel Diameter – 10"
Tip Speed (FPM) = 2.62 x RPM
80 SQN-B Max. HP = 0.028 x (RPM/1000)^3
100 SQN-B Max. HP = 0.032 x (RPM/1000)^3
Outlet Area = 1.00 FT^2
Outlet Velocity (FPM) = CFM/1.00
Max. Motor Frame Size - 143T
1140 Motor Requirements -
1200 and lower RPM
3450 Motor Requirements -
2500 and greater RPM

80 SQN-B

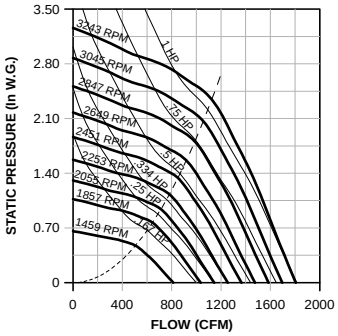
CFM	OV	0.125" SP		0.250"SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
495	495	1280	.05	1417	.08	1661	.12	1840	.17	1999	.22								
540	540	1369	.06	1500	.09	1732	.14	1921	.19	2070	.25								
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). Underlined figures indicate point of maximum static efficiency.

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 FT^2
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

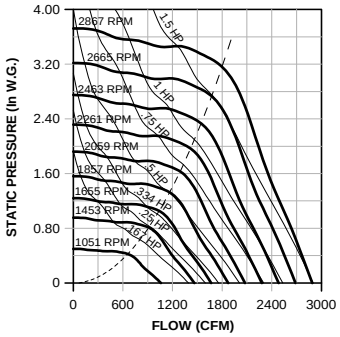


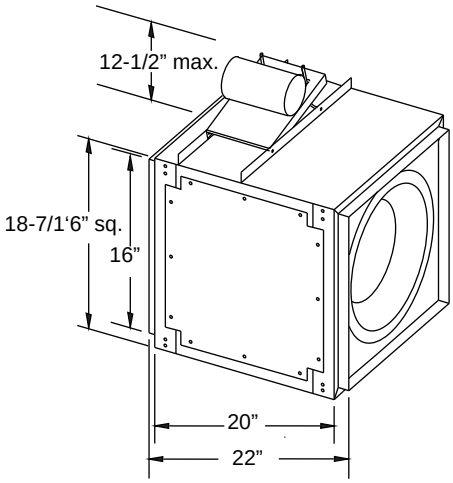
100 SQN-B

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). Underlined figures indicate point of maximum static efficiency.

120 SQN-B





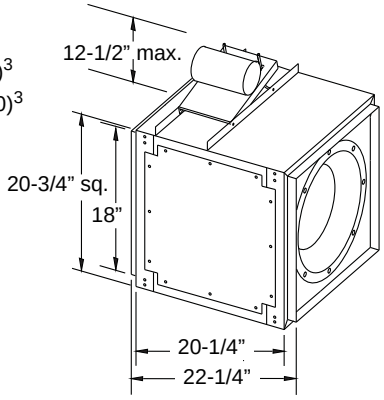
Wheel Diameter – 12"
Tip Speed (FPM) = 3.14 x RPM
120 SQN-B Max. HP = 0.079 x (RPM/1000)^3
Outlet Area = 1.78 FT^2
Outlet Velocity (FPM) = CFM/1.78
Max. Motor Frame Size - 145T
1140 Motor Requirements -
1200 and lower RPM
3450 Motor Requirements -
2700 and greater RPM

120 SQN-B

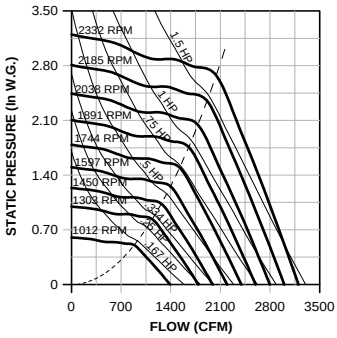
CFM	OV	0.125" SP		0.250"SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
950	533	1051	.08	1150	.11	1290	.17	1431	.23										
1035	581	1127	.10	1222	.13	1361	.19	1484	.26	1622	.34								
1120	629	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). Underlined figures indicate point of maximum static efficiency.

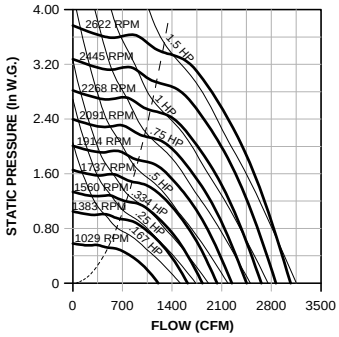
Wheel Diameter – 13.5”
Tip Speed (FPM) = 3.53 x RPM
135 SQN-B Max. HP = 0.138 x (RPM/1000)^3
135 SQN-HP Max. HP = 0.093 x (RPM/1000)^3
Outlet Area = 2.25 FT^2
Outlet Velocity (FPM) = CFM/2.25
Max. Motor Frame Size - 145T
1140 Motor Requirements -
1000 and lower RPM



135 SQN-B



135 SQN-HP



135 SQN-B

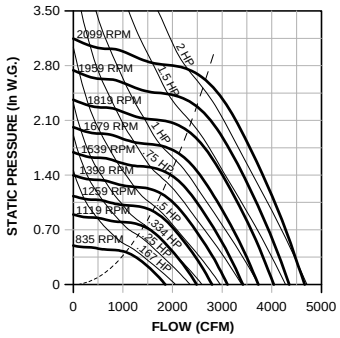
CFM	OV	0.125” SP		0.250”SP		0.500” SP		0.750” SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1275	566	1012	.13	1085	.16	1217	.24	1329	.32	1437	.41								
1360	604	1068	.15	1139	.19	1266	.27	1377	.36	1475	.44								
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

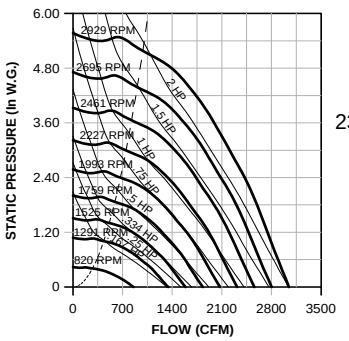
CFM	OV	0.250” SP		0.500”SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP		4.000” SP		5.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	444	1029	.10	1196	.16	1492	.30	1765	.47	2020	.66								
1075	477	1081	.11	1239	.18	1523	.32	1779	.49	2028	.69								
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										

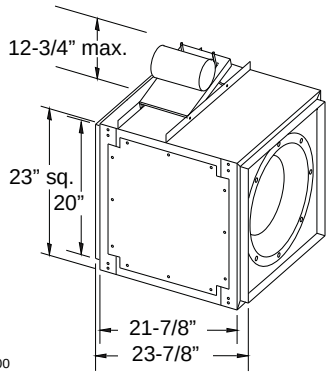
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency.

150 SQN-B



150 SQN-HP





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 FT^2
Outlet Velocity (FPM) = CFM/2.78
Max. Motor Frame Size - 145T
1140 Motor Requirements -
900 and lower RPM

150 SQN-B

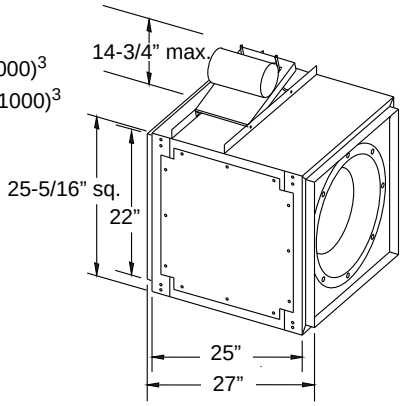
CFM	OV	0.125" SP		0.250"SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1680	604	835	.13	911	.18	1050	.28	1177	.39	1303	.51								
1810	651	888	.16	959	.21	1091	.31	1212	.43	1329	.55								
1940	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

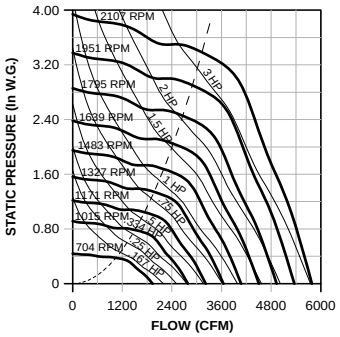
CFM	OV	0.250" SP		0.500"SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600	215	820	.05	1011	.10	1326	.21	1592	.32										
700	251	888	.07	1065	.12	1361	.23	1615	.36	1839	.50								
800	287	959	.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). Underlined figures indicate point of maximum static efficiency.

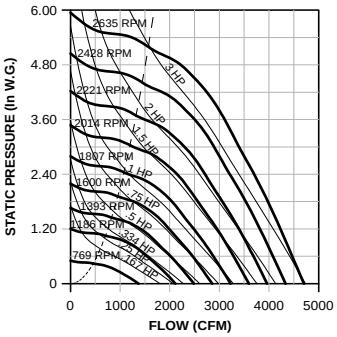
Wheel Diameter – 16.5”
Tip Speed (FPM) = 4.32 x RPM
165 SQN-B Max. HP = 0.396 x (RPM/1000)^3
165 SQN-HP Max. HP = 0.195 x (RPM/1000)^3
Outlet Area = 3.36 FT^2
Outlet Velocity (FPM) = CFM/3.36
Max. Motor Frame Size - 182T
Reinforced Wheel Requirements -
SQN-B = 1833 and greater RPM



165 SQN-B



165 SQN-HP



165 SQN-B

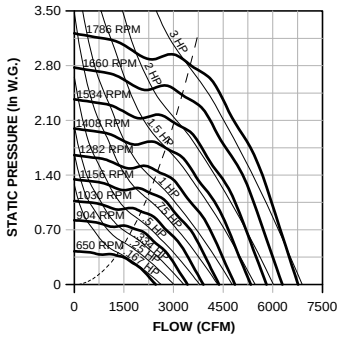
CFM	OV	0.125” SP		0.250”SP		0.500” SP		0.750” SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1750	520	704	.13	777	.18	889	.28	1018	.41	1150	.55								
1950	580	770	.16	835	.22	944	.33	1046	.45	1168	.61								
2150	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

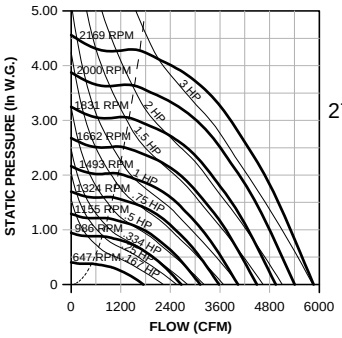
CFM	OV	0.250” SP		0.500”SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP		4.000” SP		5.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	297	769	.09	925	.15	1200	.32	1438	.52	1639	.72								
1150	342	832	.11	979	.18	1234	.36	1457	.57	1660	.79	1838	1.03						
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										

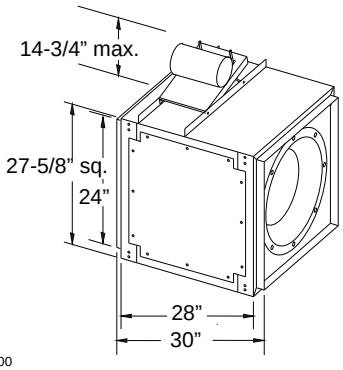
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

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 FT^2
Outlet Velocity (FPM) = CFM/4.00
Max. Motor Frame Size - 182T
Reinforced Wheel Requirements -
SQN-B = 1610 and greater RPM

180 SQN-B

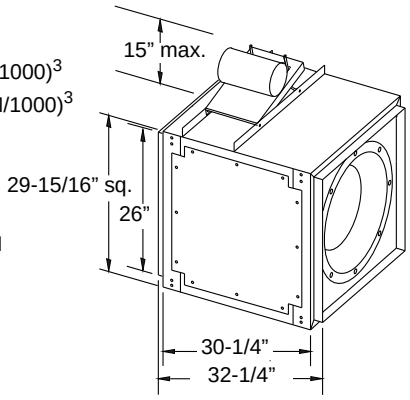
CFM	OV	0.125" SP		0.250"SP		0.500" SP		0.750" SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2200	550	650	.15	712	.21	845	.35	954	.50	1074	.67								
2400	600	698	.19	754	.25	880	.39	983	.55	1088	.73								
2600	650	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

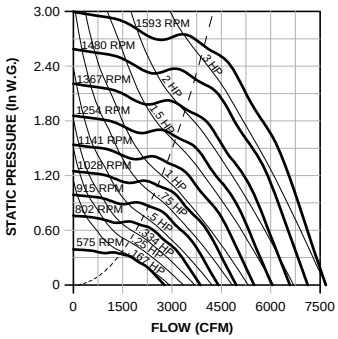
CFM	OV	0.250" SP		0.500"SP		1.000" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		4.000" SP		5.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	300	647	.09	810	.18	1083	.39	1302	.63	1487	.87								
1375	343	691	.11	842	.20	1101	.43	1318	.69	1502	.96	1665	1.24						
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). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates reinforced wheel.**

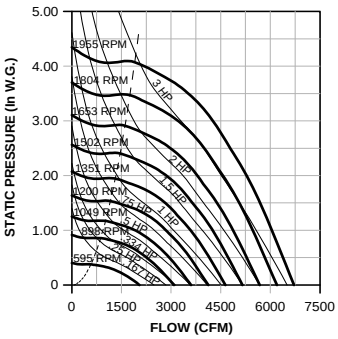
Wheel Diameter – 19.5”
Tip Speed (FPM) = 5.11 x RPM
195 SQN-B Max. HP = 0.880 x (RPM/1000)^3
195 SQN-HP Max. HP = 0.518 x (RPM/1000)^3
Outlet Area = 4.69 FT^2
Outlet Velocity (FPM) = CFM/4.69
Max. Motor Frame Size - 182T
Reinforced Wheel Requirements -
SQN-B = 1429 and greater RPM



195 SQN-B



195 SQN-HP



195 SQN-B

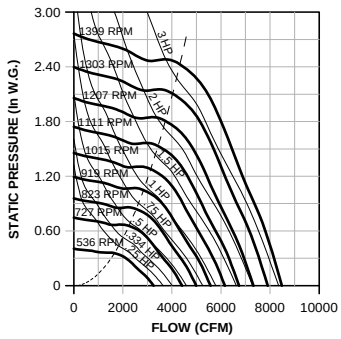
CFM	OV	0.125” SP		0.250”SP		0.500” SP		0.750” SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2450	522	575	.16	636	.23	761	.38	871	.56										
2700	575	622	.20	676	.27	797	.43	893	.61	998	.82								
2950	628	670	.24	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

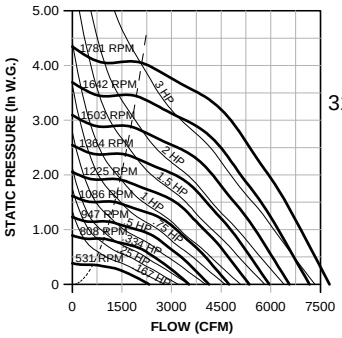
CFM	OV	0.250” SP		0.500”SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP		4.000” SP		5.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1400	298	596	.11	747	.21	999	.46	1201	.74										
1600	341	635	.13	775	.24	1016	.51	1216	.81	1386	1.12	1537	1.44						
1800	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										

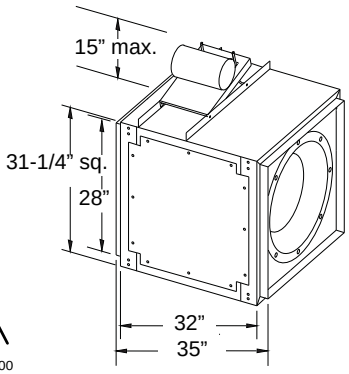
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

210 SQN-B



210 SQN-HP





Wheel Diameter – 21"
Tip Speed (FPM) = 5.50 x RPM
210 SQN-B Max. HP = 1.288 x (RPM/1000)^3
210 SQN-HP Max. HP = 0.746 x (RPM/1000)^3
Outlet Area = 5.44 FT^2
Outlet Velocity (FPM) = CFM/5.44
Max. Motor Frame Size - 182T
Reinforced Wheel Requirements -
SQN-B = 1277 and greater RPM

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										

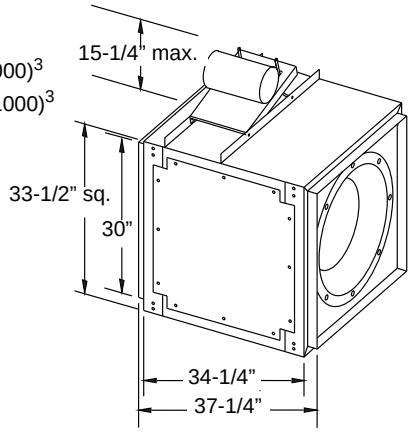
210 SQN-HP

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										

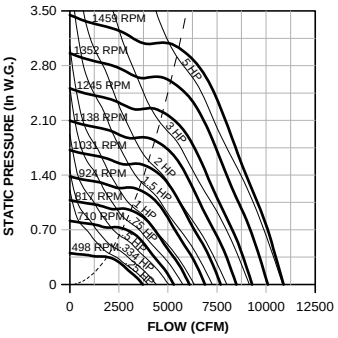
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

225 SQN-B / SQN-HP Data

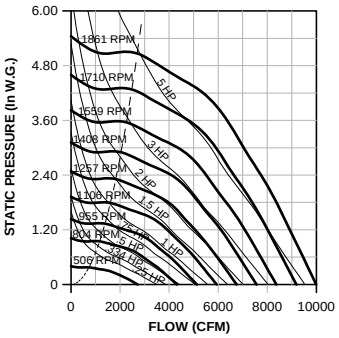
Wheel Diameter – 22.5”
Tip Speed (FPM) = 5.89 x RPM
225 SQN-B Max. HP = 1.819 x (RPM/1000)^3
225 SQN-HP Max. HP = 1.053 x (RPM/1000)^3
Outlet Area = 6.25 FT^2
Outlet Velocity (FPM) = CFM/6.25
Max. Motor Frame Size - 184T
Reinforced Wheel Requirements -
SQN-B =1152 and greater RPM
SQN-HP =1500 and greater RPM



225 SQN-B



225 SQN-HP



225 SQN-B

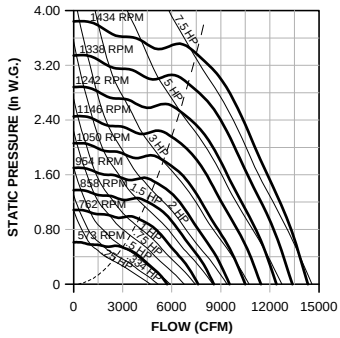
CFM	OV	0.125” SP		0.250”SP		0.500” SP		0.750” SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3250	520	498	.21	558	.30	653	.50	747	.74	841	1.02								
3600	576	538	.26	595	.36	685	.59	769	.81	855	1.10								
3950	632	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

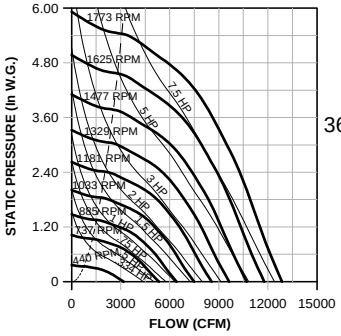
CFM	OV	0.250” SP		0.500”SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP		4.000” SP		5.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	288	506	.14	638	.26	859	.58	1028	.91	1173	1.26								
2100	336	546	.17	663	.30	876	.65	1046	1.02	1188	1.40	1315	1.81						
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										

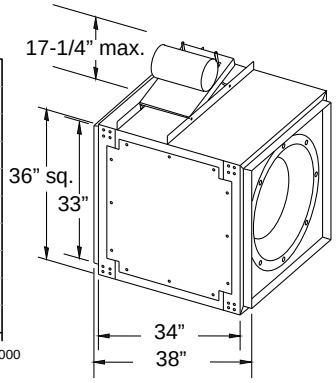
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

245 SQN-B



245 SQN-HP





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
Outlet Area = 7.56 FT^2
Outlet Velocity (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

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												

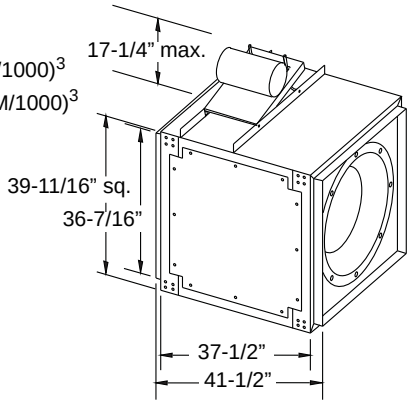
245 SQN-HP

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										

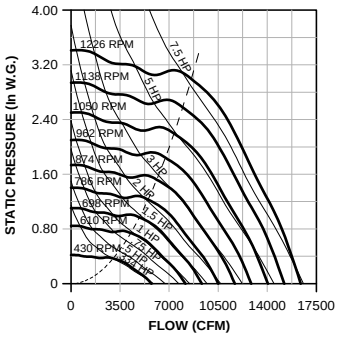
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

270 SQN-B / SQN-HP Data

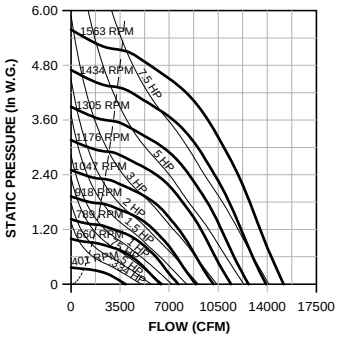
Wheel Diameter – 27”
Tip Speed (FPM) = 7.07 x RPM
270 SQN-B Max. HP = 4.532 x (RPM/1000)^3
270 SQN-HP Max. HP = 2.845 x (RPM/1000)^3
Outlet Area = 9.18 FT^2
Outlet Velocity (FPM) = CFM/9.18
Max. Motor Frame Size - 213T
Reinforced Wheel Requirements -
SQN-B = 876 and greater RPM
SQN-HP = 1025 and greater RPM



270 SQN-B



270 SQN-HP



270 SQN-B

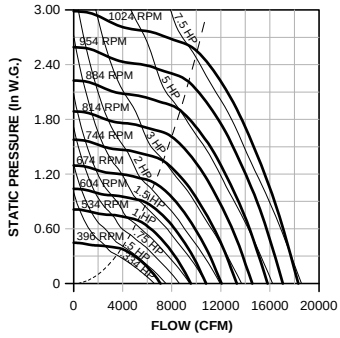
CFM	OV	0.125” SP		0.250”SP		0.500” SP		0.750” SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5100	555	430	.35	480	.50	560	.80	637	1.15										
5600	610	462	.43	509	.60	586	.91	656	1.28	727	1.69								
6100	664	495	.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

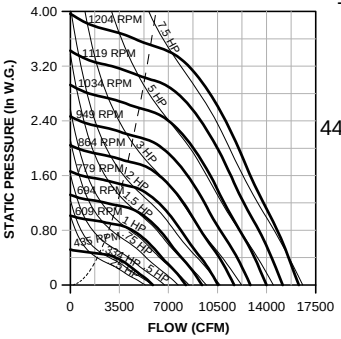
CFM	OV	0.250” SP		0.500”SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP		4.000” SP		5.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	261	401	.18	523	.37	708	.80	852	1.28	977	1.80								
2850	310	430	.23	540	.42	722	.91	865	1.45	986	2.02	1095	2.61						
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								

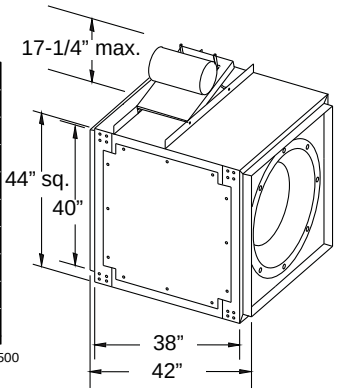
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

300 SQN-B



300 SQN-HP





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 FT^2
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

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								

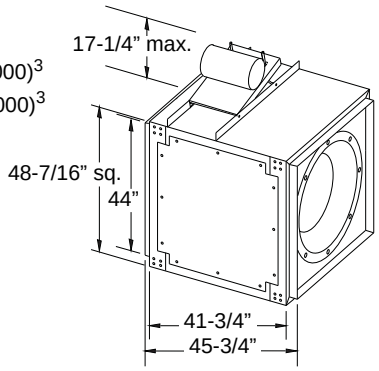
300 SQN-HP

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								

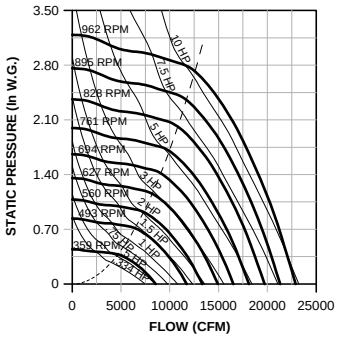
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

330 SQN-B / SQN-HP Data

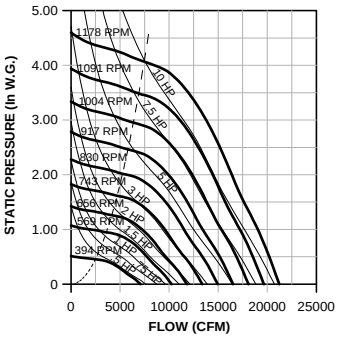
Wheel Diameter – 33”
Tip Speed (FPM) = 8.64 x RPM
330 SQN-B Max. HP = 12.417 x (RPM/1000)^3
330 SQN-HP Max. HP = 7.524 x (RPM/1000)^3
Outlet Area = 13.44 FT^2
Outlet Velocity (FPM) = CFM/13.44
Max. Motor Frame Size - 215T
Reinforced Wheel Requirements -
SQN-B = 716 and greater RPM
SQN-HP = 830 and greater RPM



330 SQN-B



330 SQN-HP



330 SQN-B

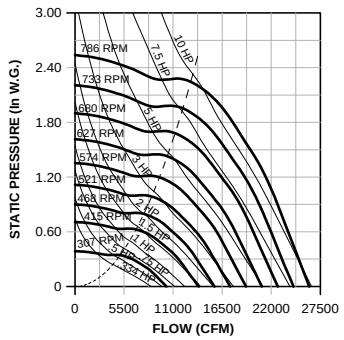
CFM	OV	0.125” SP		0.250”SP		0.500” SP		0.750” SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7700	572	359	.55	394	.76	462	1.22	525	1.76	584	2.33								
8400	625	385	.67	418	.90	481	1.38	541	1.95	597	2.56								
9100	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

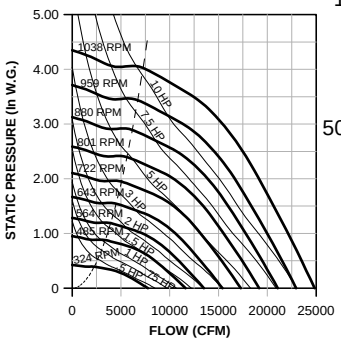
CFM	OV	0.250” SP		0.500”SP		1.000” SP		1.500” SP		2.000” SP		2.500” SP		3.000” SP		4.000” SP		5.000” SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5300	394	394	.46	470	.78	603	1.58	722	2.49										
5850	435	419	.55	489	.88	615	1.71	728	2.68	831	3.70								
6400	476	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										

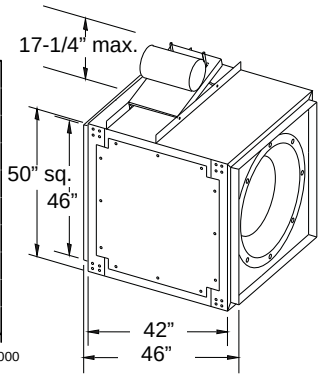
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

365 SQN-B



365 SQN-HP





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 FT^2
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

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								

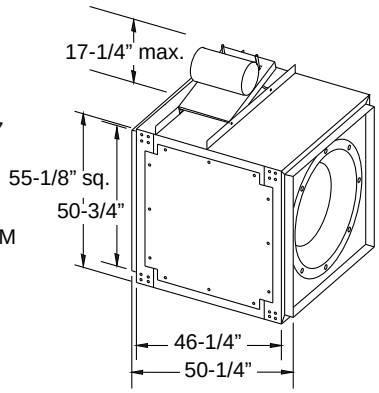
365 SQN-HP

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								

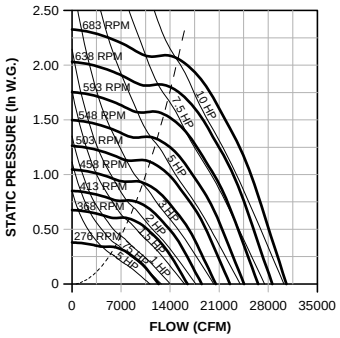
Performance certified is for Installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates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

402 SQN-B / SQN-HP Data

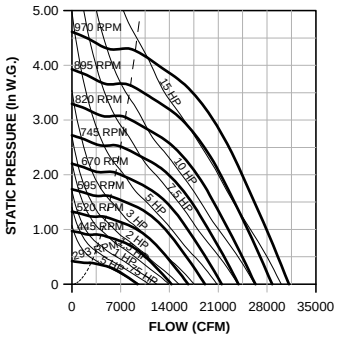
Wheel Diameter – 40.25”
Tip Speed (FPM) = 10.54 x RPM
Max. HP = 37.101 x (RPM/1000)^3
Outlet Area = 17.87 FT^2
Outlet Velocity (FPM) = CFM/17.87
Max. Motor Frame Size - 215T
Reinforced Wheel Requirements -
SQN-B = 539 and greater RPM
SQN-HP = 630 and greater RPM



402 SQN-B



402 SQN-HP



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). Underlined figures indicate point of maximum static efficiency. **Shaded area indicates reinforced wheel.**

70SQN10D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1355	0.00	51	53	52	47	41	34	28	32	49
1355	0.25	57	61	61	55	49	46	45	38	57

70SQN12D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1415	0.00	58	59	60	56	50	44	39	35	57
1415	0.25	56	61	60	58	51	45	38	35	58

70SQN15D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1656	0.00	61	65	65	60	56	51	46	39	62
1656	0.12	61	65	64	59	55	50	45	38	61
1656	0.37	58	66	60	54	52	46	40	35	58

90SQN10D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1420	0.00	62	67	66	64	60	56	48	43	65
1420	0.25	65	67	66	62	59	53	47	44	64
1420	0.62	63	69	66	61	59	54	49	47	64

90SQN12D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1600	0.00	66	70	70	68	65	60	54	52	70
1600	0.25	67	70	70	66	63	58	55	48	68
1600	0.50	67	70	69	65	62	56	51	50	67
1600	0.62	66	70	68	64	61	56	52	51	66

90SQN15D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1710	0.00	66	72	72	70	67	61	57	52	72
1710	0.25	65	70	71	69	65	60	54	48	70
1710	0.62	67	71	69	65	62	57	53	50	68

100SQN10D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1312	0.00	64	64	66	64	64	64	52	49	69
1312	0.25	57	63	62	61	63	50	47	48	65
1312	0.37	63	64	62	59	60	51	47	47	63
1312	0.62	69	68	64	60	59	54	49	48	64

100SQN12D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1500	0.00	63	72	72	67	66	71	58	54	74
1500	0.25	63	64	68	65	65	65	55	53	70
1500	0.50	73	65	66	62	62	56	51	52	66
1500	0.75	69	70	66	63	62	57	53	52	66

100SQN15D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1677	0.00	66	68	72	70	67	69	61	55	74
1677	0.25	64	66	71	69	66	67	58	54	72
1677	0.50	63	65	68	66	64	65	56	49	70
1677	0.75	67	69	68	65	63	60	55	49	68

120SQN10D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1145	0.00	69	73	72	70	66	68	54	52	73
1145	0.25	66	70	69	69	64	60	53	51	70
1145	0.37	67	69	67	67	63	59	51	50	68

120SQN17D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1725	0.00	76	82	83	81	78	76	71	62	83
1725	0.50	74	80	81	79	76	72	66	61	81
1725	1.00	74	79	77	76	74	70	64	59	78

135SQN10D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1102	0.00	69	73	72	74	66	63	56	55	74
1102	0.25	68	72	71	72	64	61	60	53	72
1102	0.50	68	72	68	69	63	60	53	52	70

135SQN17D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1725	0.00	72	78	78	77	71	75	76	62	81
1725	0.37	70	77	78	76	69	73	71	61	79
1725	0.87	69	76	76	75	68	72	68	60	77
1725	1.25	69	75	73	73	67	70	66	58	75

150SQN10D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1103	0.00	70	77	76	74	65	63	59	54	74
1103	0.37	68	76	74	72	64	63	56	51	73
1103	0.75	77	75	68	68	64	63	54	49	70

150SQN17D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1725	0.00	77	85	87	86	80	74	71	67	86
1725	0.50	77	85	88	86	80	73	70	66	87
1725	0.75	76	84	87	85	80	73	70	65	86
1725	1.00	75	83	86	84	79	74	70	63	85
1725	1.25	75	83	85	82	79	74	70	62	84
1725	1.50	79	86	84	80	77	74	70	62	83

165SQN10D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1114	0.00	79	80	79	79	71	70	63	56	79
1114	0.25	77	79	78	78	70	69	61	55	78
1114	0.50	75	78	77	76	69	70	61	57	77
1114	0.75	72	77	76	74	68	69	60	58	76
1114	0.87	72	77	75	73	67	68	60	57	75

165SQN17D

RPM	SP	L_{Wi}-1	L_{Wi}-2	L_{Wi}-3	L_{Wi}-4	L_{Wi}-5	L_{Wi}-6	L_{Wi}-7	L_{Wi}-8	L_{Wi}A
1725	0.00	86	91	90	89	85	80	76	69	90
1725	0.50	85	90	89	88	84	79	76	68	90
1725	0.75	84	89	89	88	84	79	76	68	89
1725	1.00	83	89	89	88	84	79	76	69	89
1725	1.50	81	87	88	87	83	79	76	69	88
1725	2.00	79	86	87	85	81	77	75	68	87

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} and inlet L_{Wi}A sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

60 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
800	0.125	46	46	46	43	41	37	32	26	46
1150	0.125	60	56	58	57	53	49	43	36	58
	0.250	59	55	58	55	51	48	43	37	57
1500	0.125	68	65	66	66	62	58	52	45	67
	0.250	68	64	65	65	61	57	51	45	66
	0.500	67	64	64	63	58	55	51	45	65
1850	0.125	72	73	71	72	69	64	59	52	74
	0.250	72	73	71	72	68	64	58	51	73
	0.500	72	72	70	71	67	63	58	51	72
	0.750	71	72	70	70	66	61	57	51	71
2200	0.125	75	80	76	78	75	69	64	57	79
	0.250	75	79	76	77	74	69	64	57	79
	0.500	75	79	75	77	74	68	64	57	78
	0.750	75	78	75	76	73	68	63	57	78
	1.000	74	78	74	76	72	66	62	57	77
2550	0.125	78	85	80	82	79	74	69	62	84
	0.250	78	85	80	82	79	73	69	62	83
	0.500	78	85	79	81	79	73	68	62	83
	0.750	78	84	79	81	78	72	68	61	83
	1.000	78	84	78	81	78	72	68	61	82
	1.500	77	83	78	80	76	70	66	61	81
2900	0.125	80	88	85	85	83	78	73	66	87
	0.250	80	88	84	85	83	78	73	66	87
	0.500	80	88	84	84	83	77	72	66	87
	0.750	80	88	83	84	83	77	72	66	86
	1.000	80	87	83	84	82	76	72	65	86
	1.500	80	87	83	83	81	75	71	65	85
	2.000	79	86	83	83	80	74	70	65	85

70 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
1000	0.125	57	54	55	54	50	45	40	34	55
1350	0.125	69	63	64	64	60	55	49	43	65
	0.250	68	63	64	63	59	55	49	43	64
1700	0.125	74	73	71	71	68	62	56	50	72
	0.250	74	72	70	71	67	62	56	50	72
	0.500	72	71	69	69	66	61	56	50	71
2050	0.125	77	81	76	77	74	68	62	56	78
	0.250	78	80	76	76	73	68	62	56	78
	0.500	77	79	75	76	72	67	62	56	77
	0.750	76	78	74	75	71	66	61	56	76
	1.000	75	76	73	74	70	65	61	56	75
2400	0.125	80	87	81	81	79	73	67	61	83
	0.250	80	86	80	81	78	73	67	61	83
	0.500	81	85	80	81	78	72	67	60	82
	0.750	80	85	79	80	77	72	66	60	82
	1.000	80	84	78	80	76	71	66	60	81
2750	0.125	82	91	86	85	83	78	71	65	87
	0.250	82	91	85	85	83	77	71	65	87
	0.500	83	90	84	84	82	77	71	65	87
	0.750	83	89	84	84	82	77	71	65	86
	1.000	83	89	83	84	81	76	71	65	86
	1.500	82	87	82	83	80	75	70	64	84
3100	0.125	84	93	90	88	86	81	75	69	91
	0.250	84	93	90	88	86	81	75	69	91
	0.500	85	93	89	88	86	81	75	69	90
	0.750	86	92	89	87	86	81	75	68	90
	1.000	85	92	88	87	85	80	74	68	90
	1.500	85	91	88	86	84	79	74	68	89
	2.000	84	90	86	86	83	78	73	68	88

80 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
1300	0.125	68	63	66	64	59	56	50	43	65
1600	0.125	71	71	71	71	66	62	57	50	72
	0.250	71	71	71	70	65	61	56	50	71
1900	0.125	74	77	76	76	71	67	62	56	77
	0.250	74	77	75	75	71	66	62	55	76
	0.500	74	77	74	74	70	65	61	55	75
	0.750	73	75	73	73	69	65	61	55	74
2200	0.125	76	82	79	81	76	71	67	61	81
	0.250	76	82	79	80	76	71	67	60	81
	0.500	76	82	79	79	75	70	66	60	80
	0.750	77	82	78	79	74	69	65	59	80
	1.000	76	80	77	78	73	69	65	59	79
2500	0.125	79	87	82	85	80	74	71	65	85
	0.250	78	87	82	84	80	74	71	64	85
	0.500	78	87	82	84	80	74	70	64	85
	0.750	79	87	82	83	79	73	70	63	84
	1.000	79	86	81	82	78	72	69	63	83
	1.500	79	84	80	81	77	71	69	63	82
2800	0.125	81	89	86	87	84	78	74	68	88
	0.250	80	89	86	87	84	78	74	68	88
	0.500	80	89	86	86	83	77	74	67	88
	0.750	80	89	86	86	83	77	73	67	87
	1.000	81	89	85	86	82	76	73	67	87
	1.500	81	88	84	85	81	75	72	66	86
3100	0.250	82	91	90	89	87	81	77	71	91
	0.500	82	91	90	89	86	81	76	71	91
	0.750	82	91	90	89	86	80	76	70	91
	1.000	82	91	89	88	86	80	76	70	90
	1.500	83	91	89	88	85	79	75	70	90
	2.000	83	90	88	87	84	78	75	70	89

100 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
1500	0.125	69	66	71	68	63	61	57	51	70
1750	0.125	72	72	73	73	68	65	62	56	74
	0.250	73	72	73	73	68	65	61	55	74
2000	0.125	75	77	75	78	72	69	66	60	78
	0.250	75	77	75	78	71	68	65	60	78
	0.500	75	77	74	77	71	68	64	59	77
	0.750	75	77	74	76	70	67	64	58	77
2250	0.125	77	81	77	82	75	72	69	64	82
	0.250	77	81	77	82	75	71	69	64	82
	0.500	78	82	76	82	74	71	68	63	81
	0.750	78	82	76	81	74	71	68	62	81
	1.000	78	81	76	80	74	70	67	61	80
2500	0.125	79	85	79	86	78	74	73	67	85
	0.250	80	85	79	86	78	74	72	67	85
	0.500	80	86	78	86	77	74	72	66	85
	0.750	80	86	78	85	77	73	71	65	84
	1.000	80	86	78	84	77	73	71	65	84
2750	0.125	81	87	82	88	81	77	75	70	87
	0.250	81	87	82	87	81	77	75	70	87
	0.500	81	88	82	87	81	76	74	69	87
	0.750	82	88	81	87	81	76	74	69	87
	1.000	82	88	81	86	80	76	73	68	86
	1.500	82	87	81	85	80	75	72	67	85
3000	0.500	83	89	85	89	84	79	77	72	89
	0.750	83	90	85	88	84	79	76	71	89
	1.000	83	90	85	88	83	79	76	71	89
	1.500	83	90	85	87	83	78	75	70	88

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} and inlet L_{WiA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

120 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
1250	0.125	70	67	71	65	66	72	65	58	75
	0.250	68	67	70	65	66	70	64	57	74
1500	0.125	75	74	76	72	70	75	72	64	79
	0.250	74	73	75	71	70	74	71	63	78
	0.500	72	71	74	70	69	71	68	64	76
	0.750	72	71	73	69	67	69	67	63	75
1750	0.125	79	79	79	78	74	77	77	70	83
	0.250	78	78	78	77	73	77	76	69	82
	0.500	77	77	78	76	73	75	74	68	81
	0.750	76	76	77	76	72	73	72	68	80
	1.000	76	76	76	75	71	72	71	68	79
2000	0.125	82	83	82	82	76	79	82	74	87
	0.250	82	83	81	82	76	79	81	74	86
	0.500	81	82	81	81	76	78	80	72	85
	0.750	80	81	80	81	75	77	78	72	84
	1.000	79	80	80	80	74	76	76	72	83
	1.500	80	81	78	79	73	74	74	71	82
2250	0.125	85	87	84	87	79	80	85	78	90
	0.250	85	87	84	86	79	80	85	78	90
	0.500	84	87	84	85	78	80	84	77	89
	0.750	83	86	83	85	78	79	83	76	88
	1.000	83	84	83	85	77	79	81	75	87
	1.500	82	83	81	84	76	77	78	75	86
2500	0.125	87	90	87	90	82	82	88	82	93
	0.250	87	90	87	90	81	82	88	81	93
	0.500	87	90	86	89	81	82	87	80	92
	0.750	86	90	86	88	81	81	87	80	91
	1.000	86	89	86	88	80	81	85	79	91
	1.500	85	86	85	87	80	80	82	78	89
	2.000	85	87	84	87	79	79	81	77	88

135 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
1200	0.125	76	74	75	74	67	65	59	52	74
	0.250	76	74	74	73	66	64	58	51	74
1400	0.125	80	79	79	79	71	69	64	57	79
	0.250	80	78	78	78	71	69	63	56	78
	0.500	78	78	78	77	70	68	62	56	77
	0.750	77	77	76	75	68	67	62	55	76
1600	0.125	83	83	82	82	76	73	68	61	83
	0.250	83	83	82	82	76	72	67	61	82
	0.500	82	82	81	81	75	71	67	60	81
	0.750	80	81	81	80	74	71	66	60	81
	1.000	80	81	80	79	73	70	66	59	80
1800	0.125	85	87	85	85	80	76	72	65	86
	0.250	85	87	85	85	80	75	71	65	86
	0.500	85	87	84	84	79	74	70	64	85
	0.750	83	86	84	84	78	74	70	64	84
	1.000	82	85	84	83	78	73	70	63	84
	1.500	81	84	82	81	76	72	69	63	82
2000	0.125	87	91	88	88	84	78	75	68	89
	0.250	87	90	88	88	84	78	75	68	89
	0.500	87	90	87	87	83	77	74	68	88
	0.750	86	90	87	86	83	77	73	67	88
	1.000	85	89	87	86	82	76	73	67	87
	1.500	83	88	86	85	80	75	73	66	86
2200	0.500	88	94	90	89	87	80	77	71	91
	0.750	88	93	90	89	86	79	77	70	91
	1.000	87	93	90	89	86	79	76	70	90
	1.500	85	91	89	88	84	78	76	70	90
	2.000	85	91	88	87	83	77	75	69	88

135 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
1100	0.250	73	68	67	67	64	63	56	48	70
1225	0.250	77	72	71	71	67	67	60	51	73
	0.500	76	72	68	69	65	65	59	51	71
1350	0.250	80	75	73	74	69	71	63	55	76
	0.500	80	75	70	72	68	68	62	54	75
1475	0.250	81	79	75	76	72	73	66	58	79
	0.500	81	78	73	75	71	71	65	57	77
1600	0.250	83	82	77	78	74	75	69	61	81
	0.500	83	81	76	77	73	73	68	60	80
	1.000	82	81	73	74	71	71	66	59	77
1725	0.250	84	84	80	80	77	76	72	64	83
	0.500	84	84	79	79	76	75	71	63	82
	1.000	84	84	77	77	74	73	69	62	80
1850	0.250	85	87	82	82	79	78	74	66	85
	0.500	85	87	82	81	78	77	73	65	84
	1.000	85	87	80	79	77	75	72	65	82
	1.500	85	86	79	77	75	73	70	64	81
1975	0.250	86	89	84	83	81	79	77	68	87
	0.500	87	89	84	83	80	78	76	68	86
	1.000	86	89	83	81	79	77	74	67	85
	1.500	86	89	82	79	77	75	73	66	83
2100	0.250	87	91	86	85	83	80	79	70	88
	0.500	88	91	86	85	82	80	78	70	88
	1.000	87	91	85	83	81	78	77	69	87
	1.500	87	91	84	81	80	77	75	69	85
	2.000	87	91	84	79	78	76	74	68	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 L_{Wi} and inlet $L_{Wi}A$ sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

150 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
850	0.125	65	69	71	67	62	59	53	46	69
1050	0.125	71	74	77	74	68	65	60	53	75
	0.250	71	73	76	74	67	65	59	52	74
	0.500	71	72	74	70	65	63	57	52	72
1250	0.125	76	77	82	80	72	70	65	59	81
	0.250	76	77	81	80	72	70	65	58	80
	0.500	75	76	80	78	71	69	63	57	79
	0.750	76	76	78	76	69	68	62	57	77
1450	0.125	78	81	85	85	77	74	70	64	85
	0.250	78	81	85	84	77	74	69	63	84
	0.500	78	81	84	83	76	73	69	62	84
	0.750	78	80	83	82	75	72	68	62	82
	1.000	79	80	82	80	74	71	67	61	81
1650	0.125	80	85	88	88	82	77	74	68	88
	0.250	80	84	87	88	82	77	73	67	88
	0.500	80	84	87	87	81	77	73	67	87
	0.750	80	84	86	86	80	76	72	66	87
	1.000	80	84	86	85	79	75	71	66	86
	1.500	82	84	84	82	77	74	70	65	83
1850	0.125	82	88	90	91	86	80	77	71	92
	0.250	82	88	90	91	86	80	77	71	91
	0.500	82	87	89	90	85	80	76	71	91
	0.750	82	87	89	90	85	79	76	70	90
	1.000	82	87	88	89	84	79	75	70	90
	1.500	82	87	88	87	82	77	74	69	88

165 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
950	0.125	72	75	76	71	65	63	58	52	73
	0.250	70	74	75	70	65	63	57	50	72
	0.500	68	72	74	68	64	62	56	49	71
1200	0.125	78	81	84	79	71	70	66	59	80
	0.250	77	80	83	78	71	69	65	59	80
	0.500	75	78	82	78	70	69	64	58	79
	0.750	74	76	82	76	69	68	64	57	78
	1.000	73	74	82	74	68	68	63	56	77
1450	0.125	82	86	88	85	78	74	72	66	86
	0.250	81	85	88	85	77	74	71	65	85
	0.500	80	84	86	84	76	74	70	64	84
	0.750	79	82	86	83	76	74	70	64	84
	1.000	78	81	85	83	75	73	69	63	83
	1.500	76	79	86	80	73	72	68	62	82
1700	0.125	85	90	92	90	83	78	76	71	91
	0.250	85	90	92	90	83	78	76	70	90
	0.500	84	89	91	89	82	78	75	70	89
	0.750	82	87	90	88	82	77	75	69	89
	1.000	82	86	89	88	81	77	74	69	88
	1.500	81	85	88	87	80	77	74	68	88
	2.000	79	83	88	86	78	76	73	67	86
1950	0.125	88	94	95	94	88	82	80	75	95
	0.250	87	93	95	94	88	82	79	75	94
	0.500	86	92	94	94	87	81	79	74	94
	0.750	86	92	93	93	87	81	79	74	93
	1.000	85	91	93	92	86	81	78	73	93
	1.500	84	89	91	92	86	80	78	73	92
	2.000	83	88	90	92	85	80	78	72	91
	2.500	82	87	90	91	83	79	77	71	91

150 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
825	0.250	62	58	58	56	55	53	47	39	60
1050	0.250	69	67	65	63	61	59	55	47	66
	0.500	70	67	64	62	60	60	55	47	66
1275	0.250	74	74	70	69	66	64	62	54	72
	0.500	74	74	70	68	64	65	61	53	71
1500	0.250	77	79	73	74	71	69	66	60	76
	0.500	77	79	73	73	70	68	66	59	76
	1.000	78	79	72	72	69	68	66	59	75
1725	0.250	80	83	79	78	75	72	70	64	80
	0.500	80	83	78	77	74	72	69	64	80
	1.000	80	83	78	76	73	71	69	63	79
	1.500	81	84	78	75	72	71	70	64	79
1950	0.250	82	87	83	81	78	76	74	69	84
	0.500	82	87	83	80	77	75	73	68	83
	1.000	82	87	82	80	76	74	73	67	83
	1.500	83	87	82	79	76	74	73	67	82
	2.000	84	88	82	79	75	74	73	68	82
2175	0.250	83	90	87	84	81	78	77	72	87
	0.500	84	90	87	83	81	78	76	72	87
	1.000	84	90	87	83	80	77	75	71	86
	1.500	84	90	86	82	79	76	76	71	86
	2.000	85	91	87	82	79	76	76	71	86
	2.500	86	91	87	82	78	76	76	72	86
2400	0.250	85	92	91	86	84	81	79	76	90
	0.500	85	93	91	86	84	80	79	75	90
	1.000	85	93	90	86	83	79	78	75	89
	1.500	85	93	90	85	82	79	78	74	89
	2.000	86	93	90	85	82	78	78	74	88
	2.500	87	94	90	85	81	78	78	75	88
	3.000	87	95	91	85	81	78	78	75	88

165 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
770	0.250	64	59	61	56	57	54	47	40	61
1000	0.250	72	70	68	66	62	63	56	49	69
	0.500	69	69	67	64	61	61	55	48	67
1230	0.250	78	78	73	73	67	69	64	56	75
	0.500	76	78	73	72	65	69	62	55	75
	1.000	73	76	71	69	65	64	61	55	72
1460	0.250	82	83	77	78	72	72	70	62	80
	0.500	81	83	76	77	71	72	69	61	79
	1.000	78	82	76	76	70	71	67	60	78
	1.500	77	80	74	73	69	68	65	60	76
1690	0.250	84	87	82	82	77	75	74	68	84
	0.500	84	87	82	81	76	75	73	67	83
	1.000	81	86	81	80	75	75	72	65	83
	1.500	80	85	80	79	74	73	71	65	81
	2.000	79	84	79	77	74	71	69	65	80
1920	0.250	87	91	87	85	81	78	78	72	88
	0.500	86	91	87	85	81	78	77	71	87
	1.000	85	90	86	84	80	77	77	70	86
	1.500	83	89	86	83	79	76	76	69	86
	2.000	82	88	85	82	78	75	74	69	85
	2.500	81	87	84	81	77	74	73	69	84
2150	0.250	89	94	91	88	85	80	80	76	91
	0.500	88	94	91	87	85	80	80	76	91
	1.000	88	94	91	87	84	79	80	74	90
	1.500	86	92	91	86	83	79	80	73	89
	2.000	84	91	90	86	82	78	79	73	89
	2.500	84	91	89	85	82	78	78	72	88
	3.000	84	90	89	84	81	77	76	72	87

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} and inlet L_{WiA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

180 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
650	0.125	63	68	65	62	61	59	50	41	66
800	0.125	68	73	72	68	66	64	58	50	72
	0.250	68	72	71	67	65	63	56	48	71
950	0.125	73	77	78	73	70	69	64	57	76
	0.250	72	76	77	72	70	68	63	55	76
	0.500	71	75	75	71	69	67	61	52	74
1100	0.125	77	79	83	77	74	73	69	62	81
	0.250	77	79	82	77	73	72	69	61	80
	0.500	75	78	81	76	73	72	67	59	79
	0.750	75	78	79	75	72	71	66	57	78
	1.000	77	77	77	74	71	69	64	57	77
1250	0.125	81	82	87	81	77	76	74	66	84
	0.250	80	82	86	81	76	76	73	65	84
	0.500	79	81	85	80	76	75	72	64	83
	0.750	78	81	84	79	75	75	71	62	82
	1.000	78	80	83	78	74	74	70	61	81
1400	0.125	83	85	89	85	80	79	77	70	87
	0.250	82	85	89	84	80	79	76	69	87
	0.500	82	84	88	84	79	78	76	68	86
	0.750	81	84	87	83	79	78	75	67	86
	1.000	80	83	86	82	78	77	74	66	85
	1.500	82	83	84	81	77	76	72	65	84
1550	0.125	85	88	91	88	83	81	79	74	90
	0.250	84	87	91	88	83	81	79	73	90
	0.500	84	87	90	87	82	81	79	72	89
	0.750	83	87	90	87	82	80	78	71	89
	1.000	82	86	89	86	81	80	77	70	88
	1.500	82	86	88	85	80	79	76	69	87
	2.000	85	87	86	84	80	78	74	68	86

195 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
575	0.125	63	67	64	61	60	57	48	39	65
725	0.125	69	74	71	68	66	64	57	49	71
	0.250	68	73	70	67	66	63	55	47	70
875	0.125	74	78	78	73	71	69	64	56	77
	0.250	73	77	77	73	70	69	63	54	76
	0.500	72	76	75	71	69	67	61	52	75
	0.750	74	74	73	70	68	65	59	52	73
1025	0.125	78	81	83	78	75	73	70	62	81
	0.250	78	81	82	77	74	73	69	61	81
	0.500	77	80	81	76	73	72	67	59	80
	0.750	76	79	80	75	73	71	66	57	79
	1.000	78	78	78	75	72	69	64	57	77
1175	0.125	82	84	87	82	78	77	74	67	85
	0.250	81	83	87	81	77	77	74	66	85
	0.500	81	83	86	81	77	76	73	64	84
	0.750	80	82	85	80	76	76	71	63	83
	1.000	79	82	84	79	76	75	70	62	82
1325	0.125	85	86	91	85	81	80	78	71	88
	0.250	84	86	90	85	81	80	78	70	88
	0.500	84	86	89	85	80	79	77	69	87
	0.750	83	86	89	84	80	79	76	68	87
	1.000	82	85	88	83	79	78	75	67	86
	1.500	84	85	86	82	78	77	73	66	85
1475	0.125	87	89	93	89	84	82	81	74	91
	0.250	86	89	92	89	84	82	80	74	91
	0.500	86	89	92	88	83	82	80	73	91
	0.750	85	88	91	88	83	82	79	72	90
	1.000	85	88	91	87	83	81	79	71	90
	1.500	84	87	90	86	82	81	77	70	88
	2.000	86	88	88	85	81	79	76	69	87

180 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
650	0.250	52	63	57	56	57	50	43	36	60
800	0.250	55	69	65	63	65	58	50	43	68
950	0.250	61	70	72	68	69	65	56	48	73
	0.500	60	69	70	66	66	62	55	48	70
1100	0.250	66	71	77	72	72	71	62	53	77
	0.500	64	70	77	70	70	69	61	53	75
1250	0.250	70	72	82	76	74	77	67	58	81
	0.500	69	70	82	74	74	75	65	57	80
	1.000	71	71	78	72	70	70	63	56	76
1400	0.250	74	73	86	79	76	81	71	62	85
	0.500	73	71	86	77	76	80	69	61	84
	1.000	71	70	85	76	74	76	68	61	82
	1.500	77	75	80	73	71	71	65	59	78
1550	0.500	75	75	87	81	79	82	74	65	86
	1.000	74	73	87	80	77	79	72	64	85
	1.500	75	75	84	78	75	76	70	63	82
1700	0.500	77	78	88	85	81	84	77	68	89
	1.000	76	77	87	84	80	82	76	67	87
	1.500	75	76	86	83	79	80	74	67	86
	2.000	79	80	84	81	77	77	72	66	84
1850	1.000	78	80	88	87	82	84	79	70	90
	1.500	76	79	87	87	81	82	78	70	89
	2.000	78	80	86	85	80	80	76	69	87
	2.500	81	83	85	83	78	78	74	68	85
2000	1.500	78	81	88	90	84	84	81	73	91
	2.000	77	81	87	89	83	83	80	72	90
	2.500	80	83	87	87	82	81	78	71	89
	3.000	83	86	87	85	80	79	76	70	87

195 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
600	0.250	63	61	60	55	55	51	44	37	60
700	0.250	68	65	65	60	60	57	49	42	65
800	0.250	70	69	69	65	64	62	55	46	69
	0.500	70	68	68	64	62	59	54	47	67
900	0.250	72	73	72	69	66	66	59	50	72
	0.500	72	73	72	68	65	63	57	50	71
1000	0.250	74	77	75	72	69	69	63	54	75
	0.500	74	77	75	71	68	67	61	53	74
	1.000	73	75	72	69	66	64	61	55	72
1100	0.250	76	80	78	75	71	72	67	58	78
	0.500	76	80	78	75	70	70	65	57	77
	1.000	75	79	76	73	69	67	64	57	76
1200	0.250	77	83	81	78	73	74	71	61	81
	0.500	77	83	80	78	72	73	69	60	80
	1.000	77	83	79	76	71	71	66	59	79
1300	0.250	79	86	83	81	74	76	74	64	83
	0.500	79	86	82	80	74	75	72	63	82
	1.000	78	86	82	80	73	74	69	62	81
	1.500	78	85	80	77	73	71	69	62	80
1400	0.250	80	87	84	83	77	78	76	67	85
	0.500	80	87	84	82	76	77	75	66	84
	1.000	80	87	83	82	75	76	72	65	83
	1.500	80	87	82	80	75	74	71	64	82
	2.000	79	86	81	78	75	72	71	65	81
1500	0.250	81	88	86	85	79	79	78	69	87
	0.500	81	88	85	84	78	78	77	69	86
	1.000	81	88	84	84	78	77	74	67	85
	1.500	81	88	84	83	77	76	73	66	85
	2.000	81	88	83	81	77	75	72	67	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 L_{Wi} and inlet L_{WiA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

210 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
540	0.125	65	72	68	60	59	58	49	39	65
660	0.125	69	76	75	68	63	63	57	47	71
	0.250	69	75	75	67	63	62	56	46	71
780	0.125	73	79	81	74	67	67	63	53	77
	0.250	72	78	81	73	67	66	63	53	76
	0.500	72	79	80	72	66	65	60	52	75
900	0.125	76	81	86	79	70	70	69	59	81
	0.250	76	81	86	79	70	70	68	58	81
	0.500	75	81	85	78	69	69	67	57	80
	0.750	75	81	86	76	69	69	64	57	80
1020	0.125	79	83	90	83	74	73	73	63	85
	0.250	78	83	89	83	74	73	72	63	85
	0.500	77	83	88	83	73	72	71	62	84
	0.750	77	83	89	81	73	72	70	61	84
	1.000	78	83	88	80	72	72	68	61	83
1140	0.125	81	85	92	87	78	75	75	67	88
	0.250	80	85	91	87	78	75	75	67	88
	0.500	80	85	91	87	77	75	74	66	87
	0.750	79	85	90	86	77	75	74	66	87
	1.000	79	85	91	85	77	75	72	65	87
	1.500	84	86	85	82	75	73	70	63	83
1260	0.125	83	88	93	90	82	78	77	71	91
	0.250	82	88	93	90	81	77	77	71	90
	0.500	82	87	93	90	81	77	77	70	90
	0.750	81	87	92	90	81	77	76	70	90
	1.000	81	87	92	89	80	77	76	69	90
	1.500	81	87	92	88	79	77	74	68	89

225 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
500	0.125	66	73	68	59	59	58	49	39	66
650	0.125	71	78	77	69	65	65	59	48	73
	0.250	71	77	77	69	65	64	58	48	73
800	0.125	76	81	84	77	70	69	67	56	80
	0.250	76	81	84	76	69	69	66	56	79
	0.500	75	81	83	75	69	69	64	55	79
	0.750	76	80	81	74	68	67	62	54	77
950	0.125	80	84	90	83	74	73	73	63	85
	0.250	80	84	90	83	74	73	73	62	85
	0.500	79	84	89	83	73	73	72	62	84
	0.750	78	84	90	81	73	73	70	61	84
	1.000	79	84	89	79	72	72	68	60	83
1100	0.125	83	87	93	88	79	77	77	68	89
	0.250	82	87	93	88	79	76	76	68	89
	0.500	82	87	92	88	78	76	76	67	89
	0.750	81	87	92	87	78	76	75	67	88
	1.000	81	87	92	86	78	76	74	66	88
	1.500	84	87	88	84	76	75	71	65	85
1250	0.125	85	90	95	92	83	79	79	73	93
	0.250	85	90	95	92	83	79	79	73	92
	0.500	84	90	95	92	83	79	79	72	92
	0.750	84	90	94	92	83	79	78	72	92
	1.000	83	89	94	91	82	79	78	71	92
	1.500	83	89	95	90	82	79	77	70	91
	2.000	87	91	90	87	80	78	75	69	88

210 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
550	0.250	66	66	63	58	58	54	47	41	62
625	0.250	68	71	66	62	60	58	51	44	66
700	0.250	69	75	68	64	62	60	54	47	68
	0.500	72	75	69	65	62	60	55	48	68
775	0.250	70	79	71	67	64	63	57	50	71
	0.500	72	79	73	69	65	64	58	51	72
850	0.250	71	80	73	69	66	65	61	53	73
	0.500	73	81	75	72	67	66	61	54	74
925	0.250	72	82	76	72	68	68	64	56	75
	0.500	73	82	77	73	68	68	64	57	76
	1.000	83	81	76	73	67	66	63	57	75
1000	0.250	74	83	79	74	69	70	66	58	77
	0.500	74	83	79	75	70	70	66	59	78
	1.000	82	83	79	76	70	70	66	59	78
1075	0.250	75	84	82	76	71	72	68	61	80
	0.500	75	84	82	76	72	72	68	61	80
	1.000	79	85	82	79	72	72	68	62	81
1150	0.250	76	85	85	78	73	73	70	63	82
	0.500	75	85	85	78	74	73	69	63	81
	1.000	78	86	85	81	75	74	71	64	83
	1.500	87	87	84	79	74	72	69	63	82
1225	0.250	77	86	87	80	75	74	72	65	84
	0.500	77	86	87	80	75	74	71	65	83
	1.000	79	87	88	82	77	75	72	66	85
	1.500	85	88	87	82	76	74	71	66	84

225 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
525	0.250	67	67	65	59	59	55	48	41	63
650	0.250	70	75	69	64	63	60	54	47	68
	0.500	73	74	69	65	62	60	54	48	68
775	0.250	72	81	73	69	66	65	60	52	73
	0.500	74	81	75	71	67	66	60	53	74
900	0.250	75	84	78	73	69	69	65	57	77
	0.500	75	84	78	74	70	70	65	58	77
	1.000	83	83	78	75	69	68	64	58	77
1025	0.250	77	86	82	77	72	73	69	61	80
	0.500	76	86	82	77	73	73	68	61	80
	1.000	80	86	83	80	73	73	69	62	82
1150	0.250	79	88	87	80	75	75	73	65	84
	0.500	78	88	87	80	76	75	72	65	84
	1.000	80	88	87	82	77	76	72	66	85
	1.500	86	89	87	82	76	75	72	66	84
1275	0.250	81	89	91	84	78	77	76	69	87
	0.500	80	89	91	83	78	77	75	69	87
	1.000	81	89	91	84	79	78	75	69	87
	1.500	83	90	92	86	80	78	75	69	88
	2.000	90	92	91	85	79	77	74	69	87
1400	0.250	83	91	95	86	81	79	78	72	90
	0.500	82	90	95	86	81	79	78	72	90
	1.000	82	90	95	86	81	79	77	71	90
	1.500	83	91	95	88	83	80	78	72	91
	2.000	87	93	95	88	83	80	78	72	91
	2.500	93	95	94	87	82	78	77	72	90

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} and inlet $L_{Wi}A$ sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

245 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								$L_{Wi}A$
		1	2	3	4	5	6	7	8	
475	0.125	70	72	68	63	60	55	48	43	66
650	0.125	77	81	79	72	69	65	58	51	75
	0.250	77	81	78	71	68	65	58	52	75
	0.500	75	81	75	68	67	64	58	53	73
825	0.125	82	86	86	80	75	72	66	59	82
	0.250	81	86	85	79	75	72	66	59	82
	0.500	80	86	85	78	74	71	66	59	81
	0.750	79	85	84	77	73	70	65	60	80
	1.000	78	85	82	74	71	69	65	60	78
1000	0.125	85	91	91	86	80	78	73	65	88
	0.250	85	91	91	86	80	77	72	65	88
	0.500	84	90	91	85	79	77	72	65	87
	0.750	84	90	91	85	79	76	72	65	87
	1.000	83	89	90	84	78	76	71	65	86
	1.500	81	88	89	80	75	74	70	65	84
1175	0.125	88	95	96	92	84	82	78	70	93
	0.250	88	95	96	92	84	82	78	70	93
	0.500	88	94	96	91	84	81	77	70	92
	0.750	87	94	96	91	83	81	77	70	92
	1.000	87	93	95	90	83	81	77	70	92
	1.500	85	92	95	89	81	80	76	70	91
	2.000	84	91	95	86	79	78	75	70	89
1350	0.125	91	98	99	96	89	86	82	75	97
	0.250	90	97	99	96	88	86	82	75	97
	0.500	90	97	99	96	88	85	82	74	96
	0.750	90	97	99	95	88	85	81	74	96
	1.000	89	96	99	95	87	85	81	74	96
	1.500	89	96	99	94	86	84	81	74	95
	2.000	88	95	99	93	85	83	80	74	95
	2.500	87	94	98	91	83	82	79	74	93

270 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								$L_{Wi}A$
		1	2	3	4	5	6	7	8	
430	0.125	72	72	67	63	60	55	48	43	66
540	0.125	77	79	76	69	67	62	55	49	73
	0.250	76	79	75	69	66	62	55	50	72
650	0.125	81	84	82	75	72	69	61	54	79
	0.250	81	84	81	74	72	68	61	55	78
	0.500	79	84	80	73	71	67	61	56	77
	0.750	77	84	76	70	68	66	61	56	75
760	0.125	84	88	86	80	76	73	66	59	83
	0.250	84	88	86	80	76	72	66	59	83
	0.500	83	88	85	79	75	72	66	60	82
	0.750	82	87	84	77	74	71	66	60	81
	1.000	80	87	82	75	72	70	65	61	79
870	0.125	86	91	90	85	80	77	71	63	87
	0.250	86	91	90	84	79	76	71	63	87
	0.500	85	91	90	84	79	76	70	64	86
	0.750	85	90	89	83	78	75	70	64	86
	1.000	84	90	89	82	77	75	70	64	85
980	0.125	89	94	94	89	83	80	75	67	91
	0.250	88	94	94	89	83	80	75	67	90
	0.500	88	93	93	88	82	79	74	67	90
	0.750	87	93	93	87	81	79	74	67	90
	1.000	87	93	93	87	81	79	74	68	89
	1.500	85	92	92	84	79	77	73	68	87
1090	0.125	90	96	97	92	86	83	78	71	94
	0.250	90	96	97	92	85	83	78	71	94
	0.500	90	96	97	92	85	82	78	70	93
	0.750	89	96	96	91	84	82	78	71	93
	1.000	89	95	96	91	84	82	77	71	93
	1.500	88	94	96	89	83	81	77	71	92
	2.000	87	93	95	87	81	79	76	71	90

245 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								$L_{Wi}A$
		1	2	3	4	5	6	7	8	
450	0.250	65	65	59	55	53	51	46	39	59
600	0.250	69	76	69	64	61	60	55	48	68
	0.500	73	75	68	62	60	59	55	48	67
750	0.250	73	81	77	71	68	66	62	55	75
	0.500	72	81	76	70	66	65	62	56	74
900	0.250	77	84	84	77	73	71	68	61	81
	0.500	76	84	83	76	72	70	67	61	80
	1.000	79	84	82	75	70	69	66	61	79
1050	0.250	79	87	89	82	77	75	73	66	85
	0.500	79	86	89	82	76	74	72	66	85
	1.000	78	85	88	80	75	73	71	66	84
	1.500	83	89	88	79	74	72	70	66	83
1200	0.250	82	89	94	86	80	79	77	71	89
	0.500	82	89	94	86	80	78	76	71	89
	1.000	81	88	93	85	79	77	75	71	88
	1.500	81	88	93	84	78	76	75	70	88
	2.000	86	93	92	84	77	75	74	70	87
1350	0.250	84	91	97	90	84	82	80	75	93
	0.500	84	91	97	90	84	81	80	74	92
	1.000	83	90	96	89	83	80	79	74	92
	1.500	82	89	96	89	82	79	78	74	91
	2.000	84	91	96	88	81	78	77	74	91
	2.500	88	95	95	88	81	78	77	73	91
	3.000	92	99	95	87	81	77	76	73	91
1500	0.500	86	93	99	94	87	84	82	78	95
	1.000	85	92	98	93	86	83	82	77	95
	1.500	84	91	98	93	86	82	81	77	94
	2.000	84	91	98	92	85	82	80	77	94
	2.500	86	93	98	92	84	81	80	77	93
	3.000	89	96	97	91	84	80	79	76	93

270 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								$L_{Wi}A$
		1	2	3	4	5	6	7	8	
500	0.250	69	73	66	62	60	58	53	46	66
600	0.250	73	80	73	67	65	64	58	51	72
	0.500	74	79	71	66	63	62	58	51	70
700	0.250	76	83	78	72	69	68	63	56	76
	0.500	74	83	77	71	68	67	63	57	75
800	0.250	78	86	83	77	73	71	67	60	80
	0.500	77	85	82	76	72	70	67	61	79
	1.000	81	85	81	74	70	69	66	60	78
900	0.250	80	88	87	80	76	74	71	64	84
	0.500	80	87	87	80	75	74	70	64	83
	1.000	79	87	86	78	74	72	70	64	82
	1.500	87	89	85	77	73	71	69	63	81
1000	0.250	82	89	91	84	79	77	74	68	87
	0.500	82	89	91	83	78	76	74	68	86
	1.000	81	88	90	82	77	75	73	68	85
	1.500	84	90	89	81	76	74	72	67	85
	2.000	90	93	89	80	75	73	71	67	85
1100	0.250	84	91	94	87	81	80	77	71	90
	0.500	84	91	94	86	81	79	77	71	89
	1.000	83	90	93	85	80	78	76	71	89
	1.500	83	90	93	84	79	77	75	71	88
	2.000	88	93	92	84	78	76	75	70	88
	2.500	93	97	92	83	78	75	74	69	88

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} and inlet $L_{Wi}A$ sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

300 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
400	0.125	77	77	69	65	67	60	52	46	70
500	0.125	80	84	77	71	71	69	59	53	77
	0.250	80	84	77	70	70	68	58	53	76
600	0.125	82	91	84	76	74	77	66	58	83
	0.250	82	91	83	75	73	76	65	58	82
	0.500	82	91	82	75	73	74	63	58	81
	0.750	82	90	81	76	74	70	62	59	80
700	0.125	85	94	89	81	77	81	72	64	87
	0.250	84	94	89	80	77	80	71	63	86
	0.500	84	94	88	80	77	79	69	63	86
	0.750	85	94	88	79	77	78	68	63	85
	1.000	85	93	87	80	78	75	67	63	85
800	0.125	87	96	94	86	81	83	77	68	90
	0.250	87	95	94	85	81	83	76	68	90
	0.500	86	95	93	85	80	82	75	67	89
	0.750	87	95	93	84	80	81	74	67	89
	1.000	87	95	92	84	80	80	73	66	89
	1.500	87	95	91	85	81	77	71	67	88
900	0.125	90	97	98	90	84	85	82	72	94
	0.250	89	97	98	90	84	85	81	72	94
	0.500	88	97	98	89	83	84	80	71	93
	0.750	89	97	97	89	83	83	79	70	93
	1.000	89	97	97	88	83	83	78	70	92
	1.500	89	97	96	88	83	82	77	70	92

330 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
450	0.125	82	84	77	71	72	68	59	52	77
	0.250	82	84	76	71	71	67	58	53	76
550	0.125	85	91	84	77	75	76	66	59	83
	0.250	84	91	83	76	75	75	65	59	82
	0.500	84	91	82	75	75	74	63	59	81
	0.750	84	90	82	77	74	71	63	59	81
650	0.125	87	96	90	82	78	83	72	64	88
	0.250	86	96	90	81	78	82	71	64	88
	0.500	86	96	89	80	78	81	69	64	87
	0.750	87	96	88	80	78	80	68	64	86
	1.000	87	96	87	81	79	77	68	64	86
750	0.125	90	98	95	87	82	85	78	69	92
	0.250	89	98	95	86	82	85	77	69	91
	0.500	89	98	94	85	81	84	75	68	91
	0.750	89	98	94	85	81	83	74	68	90
	1.000	89	98	93	85	81	82	73	68	90
	1.500	89	98	92	85	83	79	72	68	89
850	0.125	92	100	99	91	86	87	82	73	95
	0.250	92	100	99	91	85	87	82	73	95
	0.500	91	99	99	90	85	86	81	72	94
	0.750	91	99	98	90	84	85	80	72	94
	1.000	91	99	98	89	84	85	79	71	94
	1.500	91	99	97	89	85	84	78	71	93
	2.000	91	99	97	89	86	82	76	71	93

300 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
450	0.250	76	74	68	69	66	58	51	46	70
500	0.250	77	79	71	71	71	63	55	49	74
550	0.250	78	82	74	72	75	68	58	52	77
	0.500	79	82	73	71	70	63	57	51	74
600	0.250	78	85	77	73	78	73	61	55	80
	0.500	81	86	76	74	75	66	59	54	78
650	0.250	79	88	79	74	80	77	63	57	83
	0.500	81	89	79	75	78	71	62	57	81
700	0.250	80	89	82	76	81	80	67	60	85
	0.500	82	90	82	77	80	75	65	59	83
	1.000	81	89	79	76	74	69	64	58	80
750	0.250	81	90	85	78	82	82	70	62	87
	0.500	82	91	84	79	81	78	68	61	85
	1.000	83	91	83	78	77	72	66	60	83
800	0.250	82	91	87	80	82	84	73	64	88
	0.500	83	92	87	80	83	81	71	63	87
	1.000	85	93	86	81	81	75	68	62	85
	1.500	82	91	83	78	74	72	68	62	82
850	0.250	84	92	89	82	83	85	76	66	90
	0.500	84	92	89	82	84	83	74	65	89
	1.000	86	94	89	83	83	78	70	64	87
	1.500	84	92	87	81	78	75	69	64	85
900	0.250	85	93	91	84	84	86	78	68	91
	0.500	84	93	91	84	84	86	77	67	91
	1.000	87	94	91	84	84	81	73	66	89
	1.500	86	94	90	83	81	77	71	66	87

330 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
400	0.250	77	73	68	69	65	57	51	45	70
475	0.250	79	80	73	73	73	65	56	51	76
	0.500	79	79	72	70	67	61	55	50	72
550	0.250	81	85	77	75	78	72	61	55	81
	0.500	83	86	77	75	75	67	60	55	79
625	0.250	82	90	81	76	82	79	65	59	85
	0.500	83	90	81	77	80	74	64	59	83
	1.000	82	89	78	75	73	69	63	58	79
700	0.250	84	92	85	79	84	83	70	63	88
	0.500	84	93	85	79	83	80	69	62	87
	1.000	86	93	83	80	80	73	67	61	84
775	0.250	85	94	89	82	85	86	74	66	90
	0.500	86	95	89	82	85	84	73	66	90
	1.000	88	95	88	83	84	78	70	65	88
	1.500	86	94	86	81	79	75	70	64	85
850	0.250	87	95	92	85	86	88	79	69	93
	0.500	87	96	92	85	87	87	77	68	92
	1.000	89	96	92	85	86	83	75	68	91
	1.500	89	96	91	85	84	79	73	67	89
	2.000	86	95	89	83	79	77	72	67	87

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} and inlet L_{WiA} sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

365 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
375	0.125	78	80	77	72	67	63	57	50	74
	0.250	77	79	75	70	66	61	55	50	73
450	0.125	82	85	83	77	72	68	64	56	80
	0.250	82	85	81	76	71	67	62	56	79
	0.500	80	82	79	75	70	66	61	55	77
525	0.125	86	88	87	82	77	73	69	62	84
	0.250	86	88	87	81	76	72	67	61	84
	0.500	84	88	85	80	75	71	66	60	82
	0.750	83	85	83	79	74	70	65	59	81
600	0.125	89	91	91	86	81	77	73	66	88
	0.250	88	91	90	86	80	76	72	65	88
	0.500	87	91	90	85	79	75	70	64	87
	0.750	86	89	88	84	79	75	69	64	85
	1.000	85	87	86	83	78	74	69	63	84
675	0.125	91	93	94	90	84	80	76	70	91
	0.250	90	93	94	90	84	80	76	70	91
	0.500	90	93	93	89	83	79	74	68	90
	0.750	89	93	92	88	82	78	73	67	90
	1.000	88	91	91	87	82	78	73	67	89
	1.500	87	89	88	85	81	77	72	66	87

402 SQN-B

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
325	0.125	78	79	75	70	66	61	55	49	73
	0.250	77	78	74	69	65	60	54	48	71
375	0.125	81	83	80	75	70	66	60	53	77
	0.250	81	83	79	74	69	64	59	53	76
	0.500	78	79	76	72	68	63	58	52	74
425	0.125	85	87	84	79	74	70	65	58	81
	0.250	84	86	83	78	73	69	63	57	80
	0.500	82	84	81	77	72	68	62	56	79
	0.750	81	82	79	76	70	67	61	55	77
475	0.125	87	89	88	82	77	73	69	61	84
	0.250	87	89	87	81	76	72	67	61	84
	0.500	86	89	85	80	75	71	65	60	82
	0.750	84	86	83	80	74	71	65	59	81
525	0.125	90	91	91	85	80	76	72	65	87
	0.250	89	92	90	85	79	76	71	64	87
	0.500	88	92	89	83	78	74	69	63	86
	0.750	87	90	87	83	77	74	68	63	85
	1.000	86	88	85	82	77	73	68	62	84
575	0.125	91	93	93	88	83	79	75	68	90
	0.250	91	93	93	88	82	78	74	67	90
	0.500	90	93	92	87	81	77	72	66	89
	0.750	89	92	90	86	80	77	71	65	88
	1.000	88	90	89	85	80	76	71	65	87

365 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
325	0.250	71	67	67	63	57	53	48	42	64
375	0.250	77	71	71	68	62	58	52	46	69
425	0.250	79	75	74	72	66	63	56	50	73
	0.500	78	74	72	71	64	58	56	50	71
475	0.250	81	78	77	76	69	66	60	54	76
	0.500	81	77	75	75	68	64	59	53	75
525	0.250	83	81	80	79	72	70	64	57	79
	0.500	83	80	78	78	71	68	62	56	78
575	0.250	85	86	82	81	76	72	67	61	82
	0.500	84	84	81	80	74	71	65	59	81
	1.000	84	83	79	79	73	65	64	59	80
625	0.250	87	89	85	83	79	75	70	64	85
	0.500	86	88	83	83	77	73	68	62	84
	1.000	85	87	82	81	76	70	66	61	82
675	0.250	88	92	87	85	81	77	73	67	87
	0.500	88	91	86	85	80	76	71	65	86
	1.000	87	90	84	83	79	74	69	64	85
	1.500	86	90	83	82	78	69	66	64	84

402 SQN-HP

RPM	SP	Sound Power re 10^{-12} Watts Octave Bands								L_{WiA}
		1	2	3	4	5	6	7	8	
300	0.250	71	68	68	63	58	54	48	42	65
350	0.250	78	73	72	69	64	59	53	47	70
400	0.250	82	77	76	73	68	64	58	52	74
	0.500	81	75	74	72	65	60	57	51	73
450	0.250	84	80	79	77	71	68	62	55	78
	0.500	83	79	77	77	70	66	60	55	77
500	0.250	86	83	82	81	74	72	66	59	81
	0.500	85	82	80	80	73	70	64	58	80
	1.000	84	81	78	79	72	61	64	58	79
550	0.250	88	87	84	83	78	74	69	62	84
	0.500	87	86	83	83	76	73	67	61	83
	1.000	86	85	81	82	75	68	66	61	82
600	0.250	89	91	87	86	81	77	72	66	87
	0.500	89	90	86	85	79	76	70	64	86
	1.000	88	89	84	84	78	73	69	63	84
	1.500	88	88	83	83	78	67	67	63	83
650	0.250	91	94	89	88	83	79	75	69	89
	0.500	90	93	88	87	82	78	73	67	88
	1.000	90	92	87	86	81	77	72	66	87
	1.500	89	92	86	85	80	72	69	66	86
700	0.250	92	97	92	90	86	81	77	71	92
	0.500	92	96	90	89	85	80	76	70	91
	1.000	91	95	89	88	84	79	74	68	89
	1.500	91	95	88	87	83	76	72	68	89
	2.000	90	94	87	86	83	73	70	68	88

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} and inlet $L_{Wi}A$ sound power levels for Installation Type B: Free inlet, Ducted outlet. Ratings do not include the effects of duct end correction.

LOREN COOK COMPANY

2015 E. DALE STREET

SPRINGFIELD, MO 65803-4637

417.869.6474

FAX 417.862.3820

lorencook.com

SQN - July 2008