

S&P in the World

At present, S&P is a company that is established and recognized all over the world with its own subsidiaries in Spain, Portugal, France, Great Britain, Holland, Belgium, Germany, Italy, Latvia, Austria, Mexico, the United States, Canada, Romania and Australia; with a network of exclusive, independent distributors in most of the countries of the rest of the world, and an expansive project to continue its growth in the Asian market.



- Subsidiaries
- Distributors
- Factories



Ripoll Factory (Spain)



Factory in USA



Mexico Factory



Logistics Center in Parets (Spain)



Factory in UK



Factory in France

S&P: A Global Strategy - A Local Policy

S&P was founded in the locality of Ripoll (Spain) in 1951 by the engineers Eduard Soler and Josep Palau. From the beginning they had the clear vision that the future would depend on the expansion abroad, at first towards Europe, then to continue in the rest of the world markets.



philosophy

The principle philosophy on which S&P was based on and continues to base its projects are:

Own technology: Key to any S&P projects, the concept has to be strong and consolidated over time. It is necessary that it is based on creativity and innovation to provide products, that offer benefits to the market. S&P has registered, throughout its history, over 140 patents, on more than 20 industrial models and some 120 on utility models.

Internationalization and Growth: It was clear that the guarantee of the future of the company was to open up to the world and to enter into new markets with high levels of competitiveness. This requires both a constant improvement of the existing products and development of new innovative designs. At present S&P is a world leader in ventilation, with production centers in Europe, America and Asia. A powerful distribution structure, through subsidiaries and exclusive distributors, allows S&P to be present in all the world markets, giving coverage and excellent service.

Self-financing: One of the strengths of S&P has been the constant growth and the policy of reinvestment of profits in a continuous technology improvement in the field of research & development, production and commercialization. This has allowed S&P to be a self-financed company with total independence in the decision making.



basic pillars

On the philosophical principles of the project of S&P, there are some basic pillars on which the company is sustained:

Personal development: At S&P we promote the human factor encouraging teamwork, the contribution of ideas, internal promotion and training. We encourage the delegation of responsibilities, giving confidence and full respect of the individual with the aim of ensuring that people feel part of a common project and are reflected by the Company's values.

Excellence in the management: Factors we consider fundamental are dedication, honesty, self demand, and determination to do all things well, to achieve the levels of quality and service required by our customers.

Research: In the R+D+I department, more than 60 engineers and technicians, equipped with the most modern design systems, work to obtain products with the best features. Sophisticated software allows the simulation of the behavior of the equipment already in the process of design. The goal is clear: A commitment to our customers to achieve the quality levels they expect from us.

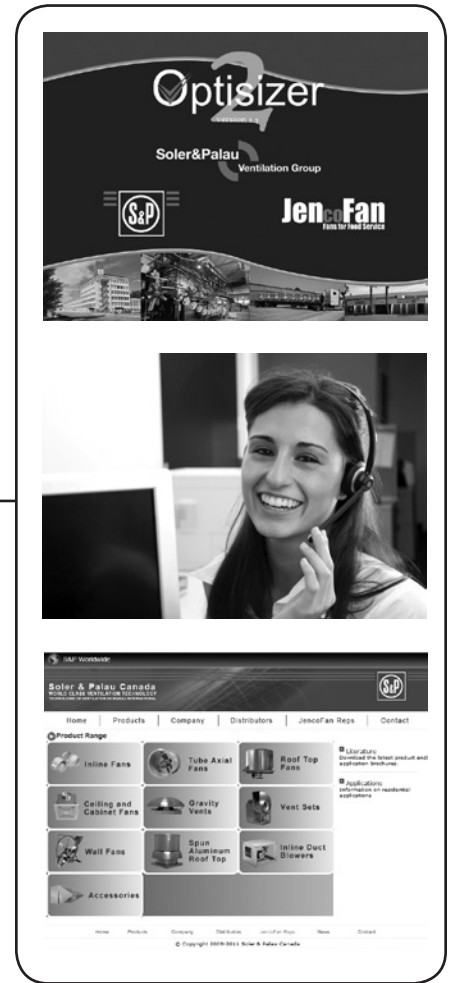
Product: Today the S&P catalog offers a range of ventilation products, both commercial and residential, with solutions for every need. With constant development work to ensure our customers and end users, not only the choice of the best model, but also the required design for ease of installation, and a full guarantee.

Quality: At S&P the contribution to the final quality begins in the design of the products. From that point on, quality remains at the center of the development throughout the company, finishing in the after-sales service. For this reason, our company is recognized all over the world for its high level of reliability of all the products offered in our catalog.

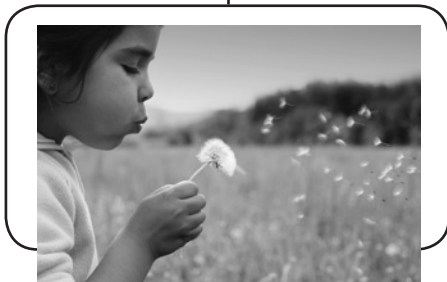


Customer service: In a market as competitive as the current one it is simply not enough to produce excellent quality. A company should offer products and a wide range of services for its customers and consultants. At S&P this principle is very clear. Thus, our customers know that they have at disposal:

- Salesmen with high technical skills
- Technical Support Service and a software designed by S&P to help professionals to choose the most suitable product for every case and a complete website on which S&P, besides showing its catalog, puts much of the knowledge accumulated throughout more than 60 years of experience of the company at the professional's disposal.



Respect for the environment: A policy that was not respectful with the environment would be incompatible with the S&P philosophy. Our actions today implicate us deeply in the legacy that we are going to leave our children.





Model	Mounting Location				Airflow		Application								Drives		Impeller Type			Warranty		
	Roof Curb	Floor/Base	Hanging	Wall	Ceiling	Exhaust	Supply	General/Clean Air	Contaminated Air	Spark Resistant	Grease/Restaurant (UL762)	Smoke Control (UL)	High Wind Load (Certified)	High Temp above 200° F	Energy Recovery	Belt	Direct	Centrifugal	Propeller	Mixed Flow	Fan (years)	Motor (years)
Centrifugal Filtered Supply																						
CSF/LSF	X						X	X								X		X			5	1
KSF	X						X	X								X		X			5	1
Centrifugal Inline																						
SQB		X	X		X	X	X	X	X							X		X			2	1
SQD		X	X		X	X	X	X	X								X	X			2	1
CFD		X	X		X	X	X	X								X		X			2	1
CTB		X	X		X	X	X	X								X		X			2	1
CVTT		X				X	X	X			X		X			X		X			1	1
Utility Sets																						
CM		X	X			X	X	X	X					X		X		X			5	1
B/FCB		X	X			X	X	X		X			X			X		X			1	1
CM-RHUL		X	X			X	X	X	X	X			X			X		X			2	1
PW/KE		X	X			X		X									X	X			1	1
D		X	X			X		X									X	X			1	1
Gravity Vents Intake/Relief																						
RCXII	X	X				X	X	X	X												5	-
BGH	X					X	X	X	X												5	-
RLX	X					X	X	X	X												5	-

See Warranty Statement on Page 7



Limited Warranty

Soler & Palau Canada 5600 Ambler Rd. Mississauga ON., warrants equipment of its manufacture to be free from defects in design, materials and workmanship (exclusive of abrasion, corrosion or erosion) for one (1) , two (2) or five (5) year(s) as noted from the date of shipment to the original purchaser or the date of notification of readiness to ship. Motor warranty is one (1) or three (3) year(s) as noted. In order to claim the benefit of this warranty, buyer must notify manufacturer in writing of the claimed defect within ten (10) days after discovering it and return this equipment or parts to the manufacturer with transportation prepaid. In the event of on-site repair, no service technician will be dispatched until manufacturer receives your written purchase order. If any of the following conditions exist, the warranty will be null and void: (1) Buyer has permitted other persons not approved or authorized by manufacturer to alter, adjust, replace or repair the equipment or any part thereof. (2) Buyer has not followed instructions or other directions given in the contract documents or our maintenance manual. (3) When breakage or other loss or damage is the result of any negligence, misuse or fault on the part of any operator or other person not under our supervision or control. (4) The defect is the result of designs or drawings made, furnished or specified by others. (5) In the case of goods not manufactured but supplied by the manufacturer as part of a contract, manufacturer shall only be liable to the same extent that our supplier is to manufacturer, not to exceed any liability manufacturer would have for warranty on our own equipment. (6) Buyer has not paid in full invoices submitted to the buyer which are due for payment. (7) Unusual wear and tear of the equipment.

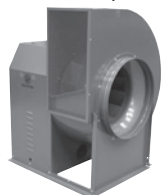
Statements relating to the product, its use or installation made prior to the execution of the agreement, are not warranties except to the extent that the contrary is expressly set forth herein. It is understood that such statements were not intended to, and did not, form a part of the agreement; they were merely made in the course of negotiations of the parties.

THIS WARRANTY IS IN LIEU OF ANY OTHER EXPRESSED OF IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. OUR SOLE AND EXCLUSIVE OBLIGATION UNDER THIS WARRANTY IS TO REPAIR OR REPLACE DEFECTIVE EQUIPMENT OR PARTS OR, AT OUR OPTION, TO PAY THE REASONABLE COST OF REPAIR OR REPLACEMENT. BUYER AGREES THAT NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES, DAMAGE FOR LOST PROFITS OR SALES, OR DAMAGES FOR INJURIES TO PERSON OR PROPERTY) SHALL BE AVAILABLE. NOTWITHSTANDING THE ABOVE, THE TOTAL AMOUNT THAT MAY IN ANY EVENT BE PAYABLE IN SETTLEMENT OR LIABILITY, HOWEVER INCURRED, SHALL NOT EXCEED THE CONTRACT PRICE.

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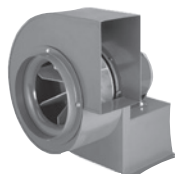
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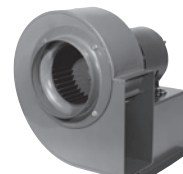
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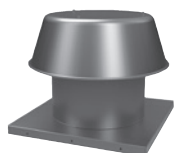
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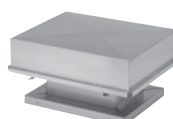
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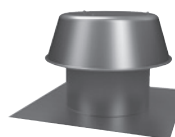
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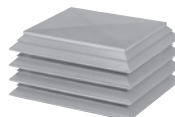
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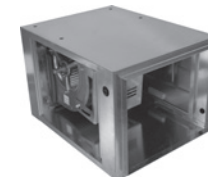
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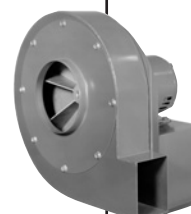
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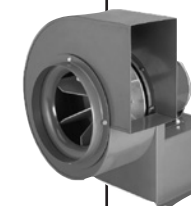
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MODEL CM

BELT DRIVEN UTILITY VENT SET OVERVIEW

The CM Series belt driven backward inclined Utility Vent Set fans from S&P offer an excellent choice of product for all medium and high pressure exhaust or supply applications for commercial, institutional or light industrial air moving projects. Both models are supplied complete with motor mounted on an adjustable base; v-belt drives; heavy duty ball bearings and integral mounting platform. The installer friendly design simplifies and reduces the cost of installation. Each complete fan is tested prior to shipping to ensure smooth, vibration free and consistently reliable operation to provide years of dependable service with minimal maintenance.

The CM, CME & CMI Series from S&P are available in four distinctly different construction arrangements to meet a wide range of demanding specialist exhaust or supply applications.

CM

Heavy Duty

Suitable for general, grease laden or high temperature (Smoke & Heat) airstream exhaust applications.



Standard Features

- AMCA Air and Sound Certified (except size 10)
- Performance: 500-25,000 CFM with Static Pressures up to 5.5 in. W.G.
- Backward inclined CW or CCW orientation non-overloading wheels, sizes 10 - 36 ins
- Steel sheet metal construction with corrosion resistant Epoxy Powder Coating, and welded scroll for airtight lock seam
- Adjustable rotation and discharge orientations in accordance with AMCA 99-2406-83 Standards

Models CM

- cULus 705, Power Ventilator
- Operating Temp -20°F to +200°F continuous

Models CM-RHUL

- cULus 762, Power Ventilator for Restaurant Exhaust Applications
- Operating Temp -20°F to +400°F continuous

Models CM-HT

- cULus 793, Power Ventilator for Smoke Control Systems
- Designed and UL Listed to withstand inlet temperatures of 500°F for 4 hours and 1000°F for 45 minutes.

Models CME and CMI are available by special quote only and at longer delivery schedules than regular CM units. Please contact the factory for pricing and size availability.

CME

Heavy Duty

Suitable for potentially explosive or flammable airstream exhaust applications.



Standard Features:

- AMCA Air & Sound Certified
- Performance: 500-25,000 CFM with Static Pressures up to 5.5 in. W.G.
- Backward inclined CW or CCW orientation non-overloading wheels, sizes 10 - 36 ins.
- Various construction configurations available dependant upon the AMCA 99-0401-86 Standard requirements
- Adjustable rotation and discharge orientations in accordance with AMCA 99-2406-83 Standards

Models CME-C

- cULus705, Power Ventilator
- Operating Temp -20°F to +200°F continuous.
- AMCA TYPE-C Spark Proof Rating
- Corrosion resistant epoxy coated steel wheel and scroll with non-ferrous inlet venturi

Please contact factory for availability and delivery schedules of CME models.

CMI

Heavy Duty

Suitable for corrosive airstream exhaust applications.



Standard Features:

- AMCA Air & Sound Certified
- Performance: 500-25,000 CFM with Static Pressures up to 5.5 in. W.G.
- Backward inclined CW or CCW orientation non-overloading wheels.
- Stainless Steel construction. Includes, scroll (housing), wheel, inlet venturi and shaft
- Adjustable rotation and discharge orientations in accordance with AMCA 99-2406-83 Standards.

Models CMI

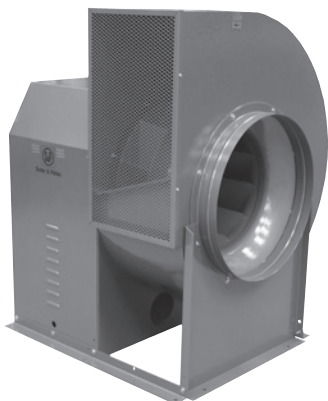
- cULus 705, Power Ventilator
- Unit is designed to operate at temperatures of -20°F to +600°F continuous.

Not available in all sizes, please contact factory for availability and delivery schedules of CMI models.



MODEL CM

BELT DRIVEN UTILITY VENT SET



MODEL FEATURES

- Exhaust air to over 21,000 CFM in static pressure capabilities to 5.5"
- Belt drives permit easy performance adjustments when needed
- Backward inclined CW or CCW orientation non-overloading wheels, sizes 10 - 36 ins.
- Steel sheet metal construction with corrosion resistant Epoxy Powder Coating, and welded scroll for airtight lock seam
- Adjustable rotation and discharge orientations in accordance with AMCA 99-2406-83 Standards
- AMCA Air and Sound Licensed
- cULus 705,762, 793 Listed

APPLICATION CONSTRUCTION OPTIONS

MODEL NAME	TYPICAL APPLICATIONS
CM	<ul style="list-style-type: none"> • Suitable for removal of clean or contaminated air in general applications • UL705 listed • Operating Temp -20°F to +200°F continuous
CM-RHUL	<ul style="list-style-type: none"> • Suitable grease laden airstream exhaust applications. • UL762 listed for grease removal • Operating Temp -20°F to +400°F continuous
CM-HT	<ul style="list-style-type: none"> • Suitable for high temperature (Smoke & Heat) airstream exhaust applications. • UL793 listed for smoke control systems • Listed for emergency heat and smoke removal. Designed and UL Listed to withstand inlet temperatures of 500°F for 4 hours and 1000°F for 45 minutes.
CME-C	<ul style="list-style-type: none"> • Suitable for potentially explosive or flammable airstream exhaust applications. • AMCA Type-C Spark Proof Rating • Operating Temp -20°F to +200°F continuous • <i>Contact Factory for availability and delivery schedules.</i>
CMI	<ul style="list-style-type: none"> • Suitable for corrosive airstream exhaust applications. • UL705 listed • Unit is designed to operate at temperatures of -20°F to +600°F continuous. • <i>Contact Factory for size availability and delivery schedules.</i>

MODEL OVERVIEW

S&P's Model CM is available in a full range of sizes (10 through 36) provides airflow performance from 500 CFM to over 24,500 CFM with static pressure up to 5.5 in. w.g. This single inlet backward inclined utility fan provides substantial benefits for pressure flow, low power consumption and low noise level, ideal for commercial and industrial applications. Typical applications include either supply or exhaust service for ducted systems in schools, theaters, gymnasiums, manufacturing plants, hotels, office buildings, restaurant hoods, and many other general ventilation applications.

The turbine performance, minimizes unnecessary energy losses resulting in a system with high efficiency.

Its design, manufacture and testing guarantee a long operating life with low maintenance. Also having great versatility in arrangements, and available positions with a complete series of mounting accessories for installation and proper operation of equipment for each application.

The mechanical design and construction determines the maximum operating speed and power. The performance ranges shown on the following pages comply with the Class I operating limits as defined in AMCA standard 99.

1 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.



STANDARD CONSTRUCTION FEATURES

Inlet/L-Flange (Standard): This standard feature allows for easy duct attachment. The inlet collar allows the fan to be removed with minimal disconnecting of the duct work.

Weather cover (Standard): Sheet metal ventilated enclosure for the motor, shaft, belts and drives for safety and weather protection.

Access door (Standard): This standard feature is a bolted access door that allows inspection or cleaning of the wheel compartment.

Threaded Drain Fitting (Standard): This standard feature is a 3/4" I.P.S. coupling positioned at the lowest point in fan housing to drain moisture from the bottom of the fan housing.

Integral Mounting Flanges (Standard): Integral flanges for easy roof mounting of all units.

cULus705 (Standard on CM Units): For electrical reliability. Includes standard construction features listed above and cULus705 label. Clockwise or counter clockwise top horizontal (CW-TH or CCW-TH) discharge configuration are standard but other positions are available (must specify discharge orientation on order).

cULus762 (Standard on CM-RHUL units): For use in grease laden air or temperatures up to 400 degrees F. Ships with standard construction features listed above and cULus762 label. Clockwise or counter clockwise upblast (CW-UB or CCW-UB) discharge configuration are standard but top angular up (CW-TAU and CCW-TAU) positions are also available (must specify discharge orientation on order).

cULus793 (Standard on CM-HT units): Listed for emergency heat and smoke removal. Designed and UL Listed to withstand inlet temperatures of 500°F for 4 hours and 1000°F for 45 minutes. With this option the fan ships with standard construction features listed above, heat slinger, and cULus793 label. Clockwise or counter clockwise upblast (CW-UB or CCW-UB) discharge configuration are standard but other positions are also available (must specify discharge orientation on order).

ACCESSORIES/OPTIONS

Inlet/outlet Guard (Option): Heavy-gauge wire protects people and the fan entrance from unwanted debris in nonducted installations. Outlet Guard comes with outlet flange. (Not for UL762 use).

Outlet Flange (Option): Required on the discharge for mounting of either the optional damper or the optional outlet screen.

U-flange inlet (Option): Available for easy connection to flanged ductwork.

Discharge damper (Option): Heavy-duty interconnecting blade design opens by velocity. It helps prevent the entry of unwanted objects. Outlet Flange is required (included with damper). Maximum temperature is 200 degrees F and maximum face velocity is 3500 FPM. (Not for UL762 use). Damper cannot be used with TAD, DB, & BAD positions.

RIS Vibration Pads (Option): Set of RIS (rubber in shear) or spring type isolators help reduce vibration, improve motion restraint, help provide proper leveling, reduce torque forces, and provide improved stability in the fan installation.

Spring Vibration Pads (Option): Set of spring pads, ship loose for field mounting.

Grease trough (Option): Allows grease to collect in an easy to service container keeping roof area clean. Design allows for water and grease separation.

Shaft seal (Option): Nonasbestos fibrous material is sandwiched between the fan housing and cover plate. It helps reduce heat and the transfer of air from the wheel compartment. Seal does not make the fan air or gas tight.

Disconnect (Option): Available in either open or rain tight enclosure and matches the motor electrical characteristics. Allows for fan electrical cut off for servicing or inspection safety. (Ships loose).

Heat Slinger (Option): An aluminum cooling disc mounted on the fan shaft between the inboard bearing and the fan housing. The disc dissipates heat conducted along the fan shaft, and it also promotes circulation in the motor compartment. The additional circulation in the motor compartment extends motor life, because it allows the motor to operate at lower temperatures. Heat Slinger comes standard when ordering cULus793 listing.



CONSTRUCTION/SPECIFICATION CHECKLIST

Type: UTILITY VENT SET

Type of Wheel: Backward Inclined

Rotation: CW and CCW

Sizes: 10, 12, 14, 16, 18, 20, 22, 24, 27, 30, 36

Construction

Housing & Drive Frame Structure

The unit is solidly built, housing joints are welded intervals (*continuous welding on request, contact factory for availability and delivery schedules*), this provides greater strength, accuracy on the boards and makes a robust unit, which is an added value.

Wheel

Backward inclined centrifugal wheel is constructed of steel blades protected with a polyester powder coat finish. All wheels are statically and dynamically balanced to ISO 1940 and AMCA 204-G2.5 standards.

Paint

The unit is subjected to a coil coating process, where the steel is treated chemically to ensure the adherence of the polyester paint. Subsequently, powder coating is bonded to the parts through an electrostatic process, where after baking the piece takes on its highest characteristics corrosion resistance, with great adhesion properties and impact resistance.

Shafts and Bearings

Turned, ground and polished allow steel shafts sized so the first critical speed is at least 30% over the maximum operating speed. Standard bearings are heavy-duty, self-aligning pillow block ball bearings with minimum L10 life in excess of 100,000 hours at maximum cataloged operating conditions.

Motors

Heavy-duty ball bearing motors are factory mounted on an adjustable base for ease of service and belt maintenance. Standard motor enclosures are available as Open Drip Proof (ODP), Totally Enclosed Fan Cooled (TEFC). Explosion Proof motors are available by special request.

Drives

V-belt drives are selected for a minimum safety factor of 150% of the driven horsepower. Cast iron motor pulleys are adjustable for final system balancing and are factory set to the required RPM range. Dual groove v-belt drives are standard for motors 5 HP thru 10 HP. Three groove v-belt drives are standard on 15 HP units.

Temperature

Standard operating temperature range for cULus 705 units is -20°F to 200°F. For fans with cULus 762 construction the range is -20°F to 400°F. For CM-HT models with cULus 793 listing for emergency heat and smoke removal, designed and UL Listed to withstand inlet temperatures of 500°F for 4 hours and 1000°F for 45 minutes.

cULus 762 Fan Installation

Model CM is available with the 762 grease listing from UL. The fan will operate with continuous airstream temperatures of 400°F. Per NFPA 96, the fan discharge must be at least 40 inches above the roof line and the duct must be of all welded construction with a minimum distance of 18 inches above the roof line.



PHYSICAL DATA

CM Model	Wheel Diameter (in.)	Wheel Weight (lbs.)	WR ² (lbs-ft ²)	Max. Wheel RPM	Max. Motor Frame Size	Fan Weight* (lbs.)
10	10-1/16	4	0.600	3850	145T	62
12	12-11/16	11	1.90	3200	184T	89
14	14-7/8	13	3.56	2800	184T	102
16	16	18	5.22	2500	184T	119
18	17-15/16	24	9.73	2200	213T	160
20	20-3/16	31	16.85	1950	213T	188
22	22-7/16	42	26.10	1800	215T	269
24	25-3/16	59	41.77	1500	215T	340
27	28-1/4	84	78.31	1350	254T	549
30	31-7/8	108	132.18	1200	256T	739
36	35-5/8	140	200	1050	284T	959

*Weight is fan only (without accessories, motors, bases, drives, etc.)

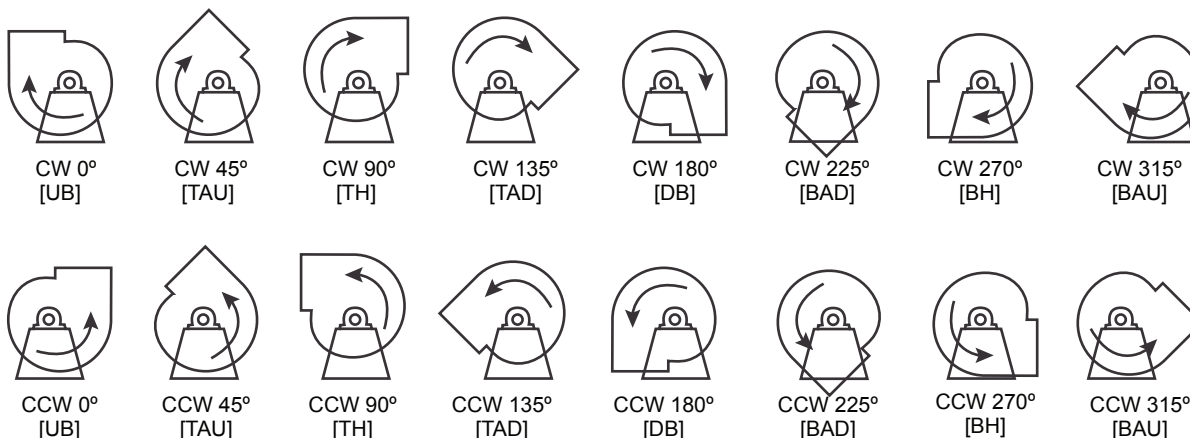
ELEVATED TEMPERATURE DERATE

When elevated temperatures are encountered, maximum RPMs shown above must be derated according to the following table.

Temperature (°F)	Standard Steel	
70	1.00	
200	0.98	Standard Temperature Range
300	0.96	
400	0.95	
500	0.90	High Temperature Range
600	0.86	

ROTATION AND DISCHARGE

The direction of rotation is determined from the drive side of the fan. The direction of discharge is determined in accordance with the diagrams below. The angle of discharge is referred to the horizontal axis of fan and designated in degrees above or below such standard reference axis. **Not all positions are available for all sizes, see chart below.**



SIZE	OPTIONS OF ROTATIONS								TURN	
	UB	TAU	TH	TAD	DB	BAD	BH	BAU	CW	CCW
10-24	•	•	•	•	•	•	•	•	•	•
27-36	•	•	•						•	•

PERFORMANCE/DIMENSIONS

CM 10

Wheel Diameter: 10-1/16"
Outlet Area: 0.625 Sq. Ft.
Average Weight: CM - 62 lbs
Shaft Diameter: 3/4"
Tip Speed: 2.64 x RPM=FPM
Max Fan RPM: 2,998 RPM
Max Motor HP: 3/4 HP

CFM	OV	Static Pressure (Inches W.G.)													
		0.5		1		1.5		2		2.5		3		3.5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
499	800	1316	0.07	1655	0.12	1939	0.18	-	-	-	-	-	-	-	-
531	850	1353	0.07	1682	0.13	1962	0.19	-	-	-	-	-	-	-	-
562	900	1392	0.08	1710	0.14	1986	0.20	2229	0.27	-	-	-	-	-	-
593	950	1431	0.08	1740	0.15	2011	0.21	2251	0.29	-	-	-	-	-	-
624	1000	1472	0.09	1772	0.16	2037	0.23	2274	0.30	2490	0.38	-	-	-	-
656	1050	1513	0.10	1804	0.17	2065	0.24	2299	0.31	2511	0.40	-	-	-	-
687	1100	1556	0.11	1839	0.18	2093	0.25	2324	0.33	2534	0.41	2729	0.50	-	-
718	1150	1600	0.12	1875	0.19	2123	0.27	2350	0.35	2558	0.43	2751	0.52	-	-
749	1200	1643	0.13	1912	0.20	2154	0.28	2377	0.36	2583	0.45	2774	0.54	2953	0.64
780	1250	1687	0.14	1950	0.21	2186	0.30	2405	0.38	2608	0.47	2798	0.56	2975	0.66
812	1300	1732	0.15	1989	0.23	2219	0.31	2435	0.40	2635	0.49	2822	0.58	2998	0.68
843	1350	1776	0.16	2029	0.24	2254	0.33	2465	0.42	2662	0.51	2847	0.61	-	-
874	1400	1820	0.17	2070	0.26	2290	0.34	2496	0.44	2691	0.53	2873	0.63	-	-
905	1450	1864	0.18	2111	0.27	2327	0.36	2528	0.46	2720	0.56	2900	0.66	-	-
936	1500	1908	0.20	2153	0.29	2365	0.38	2562	0.48	2750	0.58	2928	0.68	-	-
968	1550	1953	0.21	2196	0.30	2404	0.40	2596	0.50	2781	0.61	2957	0.71	-	-
999	1600	1998	0.22	2239	0.32	2442	0.42	2632	0.52	2813	0.63	2987	0.74	-	-
1030	1650	2043	0.24	2283	0.34	2482	0.44	2669	0.54	2846	0.66	-	-	-	-
1061	1700	2089	0.25	2327	0.36	2523	0.46	2706	0.57	2880	0.68	-	-	-	-
1093	1750	2135	0.27	2371	0.38	2564	0.49	2745	0.59	2915	0.71	-	-	-	-
1124	1800	2181	0.29	2415	0.40	2606	0.51	2783	0.62	2951	0.74	-	-	-	-
1155	1850	2228	0.31	2459	0.42	2648	0.54	2822	0.65	-	-	-	-	-	-
1186	1900	2275	0.33	2503	0.45	2691	0.56	2862	0.68	-	-	-	-	-	-
1217	1950	2323	0.35	2547	0.47	2734	0.59	2902	0.70	-	-	-	-	-	-
1249	2000	2371	0.38	2591	0.49	2778	0.62	2943	0.74	-	-	-	-	-	-
1280	2050	2422	0.40	2635	0.52	2821	0.64	-	-	-	-	-	-	-	-
1311	2100	2470	0.43	2680	0.54	2865	0.67	-	-	-	-	-	-	-	-
1342	2150	2519	0.44	2724	0.57	2909	0.70	-	-	-	-	-	-	-	-
1373	2200	2568	0.47	2769	0.59	2954	0.74	-	-	-	-	-	-	-	-
1405	2250	2619	0.50	2814	0.60	-	-	-	-	-	-	-	-	-	-
1436	2300	2669	0.52	2859	0.65	-	-	-	-	-	-	-	-	-	-
1467	2350	2718	0.56	2905	0.68	-	-	-	-	-	-	-	-	-	-
1498	2400	2768	0.59	2950	0.71	-	-	-	-	-	-	-	-	-	-
1530	2450	2820	0.62	2996	0.75	-	-	-	-	-	-	-	-	-	-
1561	2500	2870	0.66	-	-	-	-	-	-	-	-	-	-	-	-
1592	2550	2920	0.68	-	-	-	-	-	-	-	-	-	-	-	-
1623	2600	2971	0.72	-	-	-	-	-	-	-	-	-	-	-	-

Performance certified is for installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating (BHP) does not include transmission losses.

The AMCA Certified Ratings Seal does not apply to CM 10.



UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793
 Optional - Must be specified

CM 12

Wheel Diameter: 12-11/16"
Outlet Area: 0.97 Sq. Ft.
Average Weight: CM - 89 lbs
Shaft Diameter: 1"
Tip Speed: 3.33 x RPM=FPM
Max Fan RPM: 2,873 RPM
Max Motor HP: 2 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
778	800	1039	0.10	1309	0.19	1539	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
875	900	1095	0.12	1352	0.22	1572	0.33	1770	0.44	-	-	-	-	-	-	-	-	-	-	-	-
972	1000	1157	0.14	1399	0.25	1611	0.36	1801	0.48	1977	0.61	-	-	-	-	-	-	-	-	-	-
1069	1100	1220	0.17	1451	0.28	1654	0.40	1838	0.53	2008	0.67	2166	0.81	-	-	-	-	-	-	-	-
1118	1150	1253	0.18	1479	0.30	1678	0.42	1858	0.55	2025	0.69	2182	0.84	-	-	-	-	-	-	-	-
1166	1200	1286	0.20	1507	0.32	1701	0.44	1879	0.58	2043	0.72	2197	0.87	2343	1.03	-	-	-	-	-	-
1215	1250	1320	0.21	1536	0.34	1727	0.47	1901	0.61	2063	0.75	2215	0.91	2359	1.07	-	-	-	-	-	-
1264	1300	1355	0.23	1566	0.36	1753	0.49	1924	0.63	2083	0.78	2233	0.94	2375	1.10	2511	1.27	-	-	-	-
1312	1350	1389	0.25	1596	0.38	1779	0.52	1947	0.66	2104	0.81	2252	0.97	2392	1.14	2526	1.31	2654	1.49	-	-
1361	1400	1424	0.27	1626	0.40	1807	0.54	1972	0.69	2126	0.85	2272	1.01	2411	1.18	2543	1.36	2669	1.54	-	-
1409	1450	1459	0.29	1658	0.42	1834	0.57	1997	0.72	2149	0.88	2293	1.05	2429	1.22	2560	1.40	2685	1.58	2806	1.77
1458	1500	1496	0.31	1690	0.45	1863	0.60	2023	0.75	2173	0.92	2314	1.09	2449	1.26	2578	1.45	2702	1.63	2821	1.83
1507	1550	1532	0.33	1722	0.48	1892	0.63	2050	0.79	2197	0.95	2337	1.13	2470	1.31	2597	1.49	2720	1.68	2838	1.88
1555	1600	1568	0.35	1755	0.50	1921	0.66	2077	0.82	2222	0.99	2360	1.17	2491	1.35	2617	1.54	2738	1.73	2855	1.93
1604	1650	1604	0.38	1788	0.53	1952	0.69	2105	0.86	2248	1.03	2384	1.21	2513	1.40	2637	1.59	2757	1.79	2873	1.99
1652	1700	1641	0.40	1820	0.56	1983	0.73	2133	0.90	2274	1.07	2408	1.26	2535	1.45	2658	1.64	2777	1.84	-	-
1701	1750	1678	0.43	1855	0.59	2014	0.76	2162	0.93	2301	1.12	2433	1.30	2559	1.50	2680	1.69	2797	1.90	-	-
1750	1800	1715	0.46	1889	0.63	2046	0.80	2191	0.98	2328	1.16	2459	1.35	2583	1.55	2703	1.75	2819	1.96	-	-
1798	1850	1753	0.49	1923	0.66	2077	0.84	2221	1.02	2356	1.20	2484	1.40	2607	1.60	2726	1.80	2840	2.00	-	-
1847	1900	1791	0.52	1958	0.70	2110	0.87	2251	1.06	2384	1.25	2511	1.45	2632	1.65	2750	1.86	-	-	-	-
1895	1950	1828	0.55	1993	0.73	2142	0.92	2281	1.10	2413	1.30	2538	1.50	2658	1.71	2774	1.92	-	-	-	-
1944	2000	1866	0.59	2028	0.77	2175	0.96	2313	1.15	2442	1.35	2566	1.55	2684	1.76	2798	1.98	-	-	-	-
1993	2050	1905	0.62	2064	0.81	2209	1.00	2344	1.20	2472	1.40	2594	1.61	2711	1.82	-	-	-	-	-	-
2090	2150	1981	0.70	2136	0.90	2276	1.10	2408	1.30	2532	1.51	2651	1.73	2766	1.95	-	-	-	-	-	-
2138	2200	2019	0.74	2171	0.94	2310	1.14	2440	1.35	2563	1.57	2680	1.79	2793	2.00	-	-	-	-	-	-
2187	2250	2058	0.78	2208	0.99	2344	1.20	2473	1.41	2594	1.63	2710	1.85	-	-	-	-	-	-	-	-
2236	2300	2097	0.83	2244	1.04	2379	1.25	2506	1.47	2626	1.69	2741	1.91	-	-	-	-	-	-	-	-
2284	2350	2136	0.87	2280	1.09	2414	1.30	2539	1.52	2657	1.75	2770	1.98	-	-	-	-	-	-	-	-
2333	2400	2175	0.92	2318	1.14	2449	1.36	2572	1.58	2690	1.81	-	-	-	-	-	-	-	-	-	-
2381	2450	2213	0.97	2355	1.19	2484	1.42	2606	1.64	2721	1.88	-	-	-	-	-	-	-	-	-	-
2430	2500	2252	1.02	2392	1.25	2520	1.48	2640	1.71	2754	1.95	-	-	-	-	-	-	-	-	-	-
2479	2550	2292	1.07	2429	1.30	2556	1.54	2674	1.78	-	-	-	-	-	-	-	-	-	-	-	-
2527	2600	2331	1.13	2466	1.36	2591	1.60	2708	1.84	-	-	-	-	-	-	-	-	-	-	-	-
2576	2650	2371	1.19	2504	1.43	2627	1.67	2743	1.91	-	-	-	-	-	-	-	-	-	-	-	-
2673	2750	2450	1.30	2579	1.55	2700	1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2722	2800	2490	1.37	2617	1.62	2737	1.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2770	2850	2529	1.43	2655	1.69	2772	1.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2819	2900	2569	1.50	2694	1.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2867	2950	2608	1.57	2732	1.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2916	3000	2649	1.64	2770	1.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2965	3050	2689	1.72	2809	1.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3013	3100	2729	1.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3110	3200	2808	1.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Power rating (BHP) does not include transmission losses.



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UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793

Optional - Must be specified

CM 14

Wheel Diameter: 14-7/8"
Outlet Area: 1.20 Sq. Ft.
Average Weight: CM - 102 lbs
Shaft Diameter: 1"
Tip Speed: 3.74 x RPM=FPM
Max Fan RPM: 2,672 RPM
Max Motor HP: 3 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
960	800	907	0.12	1143	0.22	1350	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1080	900	958	0.15	1179	0.26	1375	0.38	1554	0.51	-	-	-	-	-	-	-	-	-	-	-	-
1200	1000	1014	0.17	1221	0.29	1407	0.42	1577	0.56	1736	0.71	-	-	-	-	-	-	-	-	-	-
1320	1100	1072	0.21	1267	0.33	1444	0.47	1606	0.62	1759	0.77	1903	0.94	-	-	-	-	-	-	-	-
1380	1150	1101	0.22	1292	0.35	1464	0.49	1623	0.65	1772	0.81	1913	0.98	2048	1.15	-	-	-	-	-	-
1440	1200	1132	0.24	1317	0.38	1485	0.52	1640	0.68	1787	0.84	1926	1.01	2058	1.19	-	-	-	-	-	-
1500	1250	1162	0.26	1344	0.40	1507	0.55	1659	0.71	1802	0.88	1939	1.05	2069	1.24	2193	1.43	-	-	-	-
1560	1300	1193	0.28	1370	0.43	1530	0.58	1679	0.74	1819	0.91	1953	1.09	2081	1.28	2203	1.47	-	-	-	-
1620	1350	1224	0.31	1398	0.45	1554	0.61	1699	0.78	1837	0.95	1968	1.13	2094	1.33	2215	1.52	2331	1.73	-	-
1680	1400	1256	0.33	1425	0.48	1578	0.64	1721	0.81	1856	0.99	1985	1.18	2108	1.37	2227	1.57	2342	1.78	2452	2.00
1740	1450	1288	0.36	1454	0.51	1603	0.68	1743	0.85	1875	1.03	2002	1.22	2123	1.42	2240	1.63	2353	1.84	2463	2.06
1800	1500	1320	0.38	1483	0.54	1629	0.71	1766	0.89	1896	1.08	2020	1.27	2140	1.47	2255	1.68	2366	1.90	2474	2.12
1860	1550	1352	0.41	1512	0.58	1655	0.75	1790	0.93	1917	1.12	2039	1.32	2157	1.52	2270	1.74	2380	1.96	2486	2.18
1920	1600	1385	0.44	1542	0.61	1682	0.79	1814	0.97	1939	1.17	2059	1.37	2174	1.58	2286	1.79	2394	2.02	2499	2.25
1980	1650	1418	0.47	1571	0.65	1710	0.83	1839	1.02	1962	1.22	2080	1.42	2193	1.63	2303	1.85	2410	2.08	2513	2.31
2040	1700	1451	0.51	1602	0.69	1738	0.87	1864	1.06	1985	1.27	2101	1.48	2213	1.69	2321	1.92	2426	2.14	2528	2.38
2100	1750	1484	0.54	1632	0.72	1766	0.92	1891	1.11	2009	1.32	2123	1.53	2233	1.75	2339	1.98	2443	2.21	2543	2.45
2160	1800	1517	0.58	1663	0.77	1794	0.96	1917	1.16	2034	1.37	2146	1.59	2254	1.81	2359	2.04	2460	2.28	2560	2.52
2220	1850	1551	0.61	1694	0.81	1823	1.01	1944	1.22	2059	1.43	2169	1.65	2275	1.88	2378	2.11	2479	2.35	2577	2.60
2340	1950	1618	0.70	1757	0.90	1882	1.11	1999	1.33	2110	1.55	2217	1.78	2320	2.01	2420	2.25	2518	2.50	2613	2.75
2400	2000	1652	0.74	1788	0.95	1912	1.17	2027	1.39	2137	1.61	2242	1.84	2343	2.08	2442	2.33	2538	2.58	2632	2.84
2460	2050	1686	0.79	1821	1.00	1942	1.22	2056	1.45	2164	1.68	2267	1.91	2367	2.15	2465	2.40	2559	2.66	2652	2.92
2520	2100	1720	0.84	1853	1.06	1973	1.28	2084	1.51	2191	1.74	2293	1.98	2392	2.23	2487	2.48	2581	2.74	2672	3.00
2580	2150	1754	0.89	1885	1.11	2003	1.34	2113	1.57	2218	1.81	2319	2.06	2416	2.31	2511	2.56	2603	2.82	-	-
2640	2200	1789	0.94	1917	1.17	2034	1.40	2142	1.64	2246	1.88	2345	2.13	2441	2.38	2534	2.64	2626	2.91	-	-
2700	2250	1823	0.99	1950	1.23	2065	1.47	2172	1.71	2274	1.96	2372	2.21	2467	2.47	2559	2.73	2649	3.00	-	-
2760	2300	1857	1.05	1983	1.29	2096	1.53	2202	1.78	2303	2.03	2399	2.29	2493	2.55	2584	2.82	-	-	-	-
2880	2400	1927	1.17	2049	1.42	2159	1.68	2262	1.93	2360	2.19	2455	2.46	2546	2.73	2634	3.00	-	-	-	-
3000	2500	1996	1.30	2115	1.56	2223	1.83	2323	2.09	2419	2.36	2511	2.63	2600	2.91	-	-	-	-	-	-
3060	2550	2031	1.37	2148	1.64	2255	1.91	2355	2.18	2449	2.45	2540	2.73	-	-	-	-	-	-	-	-
3120	2600	2066	1.44	2182	1.71	2287	1.99	2386	2.26	2479	2.54	2569	2.82	-	-	-	-	-	-	-	-
3180	2650	2101	1.51	2216	1.79	2320	2.07	2417	2.35	2509	2.64	2598	2.92	-	-	-	-	-	-	-	-
3240	2700	2136	1.59	2249	1.87	2352	2.16	2448	2.44	2539	2.73	-	-	-	-	-	-	-	-	-	-
3300	2750	2171	1.66	2283	1.96	2385	2.25	2480	2.54	2570	2.83	-	-	-	-	-	-	-	-	-	-
3360	2800	2206	1.75	2317	2.04	2418	2.34	2511	2.64	2601	2.93	-	-	-	-	-	-	-	-	-	-
3420	2850	2241	1.83	2351	2.13	2450	2.43	2544	2.74	-	-	-	-	-	-	-	-	-	-	-	-
3480	2900	2276	1.92	2385	2.23	2483	2.53	2575	2.84	-	-	-	-	-	-	-	-	-	-	-	-
3540	2950	2312	2.01	2419	2.32	2516	2.63	2607	2.94	-	-	-	-	-	-	-	-	-	-	-	-
3600	3000	2347	2.10	2453	2.42	2549	2.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3720	3100	2418	2.29	2521	2.63	2616	2.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3840	3200	2489	2.50	2590	2.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3960	3300	2560	2.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4020	3350	2596	2.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4080	3400	2631	2.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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CM 16

Wheel Diameter: 16"
Outlet Area: 1.49 Sq. Ft.
Average Weight: CM - 119 lbs
Shaft Diameter: 1"
Tip Speed: 4.19 x RPM=FPM
Max Fan RPM: 2,268 RPM
Max Motor HP: 3 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1192	800	816	0.15	1026	0.28	1209	0.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1341	900	863	0.18	1060	0.32	1234	0.48	1391	0.65	-	-	-	-	-	-	-	-	-	-	-	-
1416	950	887	0.20	1079	0.34	1248	0.50	1402	0.68	-	-	-	-	-	-	-	-	-	-	-	-
1490	1000	912	0.22	1098	0.37	1263	0.53	1414	0.71	1554	0.90	-	-	-	-	-	-	-	-	-	-
1639	1100	964	0.26	1141	0.42	1297	0.59	1442	0.78	1577	0.98	1704	1.19	-	-	-	-	-	-	-	-
1788	1200	1017	0.30	1185	0.47	1335	0.66	1474	0.85	1603	1.06	1726	1.28	1843	1.51	-	-	-	-	-	-
1863	1250	1045	0.33	1209	0.50	1356	0.69	1491	0.89	1618	1.11	1739	1.33	1853	1.56	1963	1.80	-	-	-	-
1937	1300	1072	0.35	1233	0.53	1376	0.73	1509	0.93	1634	1.15	1752	1.38	1865	1.62	1973	1.86	-	-	-	-
2012	1350	1100	0.38	1258	0.57	1398	0.77	1528	0.98	1650	1.20	1767	1.43	1878	1.68	1985	1.93	2087	2.19	-	-
2086	1400	1128	0.41	1283	0.60	1420	0.81	1547	1.02	1668	1.25	1782	1.49	1891	1.73	1996	1.99	2098	2.25	2195	2.52
2161	1450	1156	0.44	1308	0.64	1443	0.85	1568	1.07	1686	1.30	1798	1.55	1906	1.80	2009	2.06	2109	2.33	2206	2.60
2235	1500	1184	0.48	1334	0.68	1466	0.89	1589	1.12	1704	1.36	1815	1.60	1921	1.86	2023	2.12	2121	2.40	2216	2.68
2310	1550	1213	0.51	1360	0.72	1490	0.94	1611	1.17	1724	1.41	1833	1.67	1937	1.93	2037	2.19	2134	2.47	2228	2.76
2384	1600	1242	0.55	1386	0.76	1514	0.99	1632	1.22	1744	1.47	1851	1.73	1953	1.99	2052	2.27	2148	2.55	2241	2.84
2459	1650	1271	0.59	1413	0.81	1539	1.04	1655	1.28	1765	1.53	1870	1.79	1971	2.06	2068	2.34	2163	2.63	2254	2.92
2533	1700	1300	0.63	1440	0.86	1564	1.09	1678	1.34	1786	1.59	1889	1.86	1989	2.13	2085	2.42	2178	2.71	2268	3.00
2608	1750	1329	0.67	1467	0.91	1589	1.15	1702	1.40	1808	1.66	1910	1.93	2007	2.21	2102	2.50	2194	2.79	-	-
2682	1800	1358	0.72	1494	0.96	1614	1.20	1725	1.46	1830	1.73	1930	2.00	2026	2.29	2120	2.58	2210	2.88	-	-
2757	1850	1388	0.77	1522	1.01	1641	1.26	1750	1.53	1853	1.80	1951	2.08	2046	2.37	2138	2.66	2227	2.97	-	-
2831	1900	1418	0.82	1550	1.07	1666	1.33	1774	1.59	1876	1.87	1973	2.15	2067	2.45	2157	2.75	-	-	-	-
2906	1950	1448	0.87	1578	1.13	1693	1.39	1799	1.66	1899	1.94	1995	2.23	2087	2.53	2177	2.84	-	-	-	-
2980	2000	1477	0.92	1606	1.19	1719	1.46	1824	1.74	1923	2.02	2017	2.32	2108	2.62	2196	2.93	-	-	-	-
3055	2050	1508	0.98	1634	1.25	1747	1.53	1850	1.81	1947	2.10	2040	2.40	2130	2.71	-	-	-	-	-	-
3129	2100	1537	1.04	1663	1.32	1773	1.60	1875	1.89	1972	2.19	2063	2.49	2152	2.80	-	-	-	-	-	-
3204	2150	1567	1.10	1691	1.39	1801	1.67	1901	1.97	1996	2.27	2087	2.58	2174	2.90	-	-	-	-	-	-
3278	2200	1598	1.17	1720	1.46	1828	1.75	1927	2.05	2021	2.36	2111	2.68	2197	3.00	-	-	-	-	-	-
3353	2250	1628	1.23	1749	1.53	1856	1.83	1954	2.14	2047	2.45	2135	2.77	-	-	-	-	-	-	-	-
3427	2300	1658	1.30	1778	1.61	1883	1.92	1980	2.23	2072	2.55	2159	2.87	-	-	-	-	-	-	-	-
3502	2350	1689	1.38	1807	1.69	1911	2.00	2007	2.32	2098	2.64	2184	2.98	-	-	-	-	-	-	-	-
3576	2400	1719	1.45	1836	1.77	1939	2.09	2034	2.41	2124	2.74	-	-	-	-	-	-	-	-	-	-
3651	2450	1750	1.53	1865	1.86	1967	2.18	2062	2.51	2150	2.85	-	-	-	-	-	-	-	-	-	-
3725	2500	1780	1.61	1894	1.95	1996	2.28	2089	2.61	2176	2.95	-	-	-	-	-	-	-	-	-	-
3800	2550	1811	1.70	1924	2.04	2024	2.38	2116	2.72	-	-	-	-	-	-	-	-	-	-	-	-
3874	2600	1841	1.79	1953	2.13	2053	2.48	2143	2.82	-	-	-	-	-	-	-	-	-	-	-	-
3949	2650	1872	1.88	1983	2.23	2081	2.58	2171	2.94	-	-	-	-	-	-	-	-	-	-	-	-
4023	2700	1903	1.97	2013	2.33	2110	2.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4098	2750	1934	2.07	2042	2.44	2139	2.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4172	2800	1964	2.17	2072	2.55	2168	2.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4247	2850	1995	2.27	2102	2.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4321	2900	2026	2.38	2132	2.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4470	3000	2088	2.61	2192	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4545	3050	2119	2.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4619	3100	2150	2.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4694	3150	2182	2.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance certified is for installation type B - free inlet, ducted outlet.
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 Power rating (BHP) does not include transmission losses.



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CM 18

Wheel Diameter: 17-15/16"
Outlet Area: 1.88 Sq. Ft.
Average Weight: CM - 160 lbs
Shaft Diameter: 1-1/2"
Tip Speed: 4.69 x RPM=FPM
Max Fan RPM: 2,137 RPM
Max Motor HP: 5 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1504	800	713	0.19	900	0.35	1062	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1692	900	753	0.22	929	0.39	1083	0.58	1222	0.79	-	-	-	-	-	-	-	-	-	-	-	-
1786	950	774	0.24	945	0.42	1095	0.61	1232	0.83	-	-	-	-	-	-	-	-	-	-	-	-
1880	1000	795	0.27	961	0.45	1108	0.65	1242	0.87	1366	1.10	-	-	-	-	-	-	-	-	-	-
1974	1050	817	0.29	979	0.48	1122	0.68	1253	0.91	1375	1.14	-	-	-	-	-	-	-	-	-	-
2162	1150	862	0.34	1016	0.54	1152	0.76	1278	0.99	1395	1.24	1506	1.50	-	-	-	-	-	-	-	-
2350	1250	909	0.40	1055	0.62	1186	0.85	1307	1.09	1420	1.35	1526	1.62	1628	1.90	-	-	-	-	-	-
2444	1300	932	0.43	1076	0.66	1204	0.89	1322	1.14	1433	1.41	1538	1.68	1638	1.97	1734	2.27	-	-	-	-
2538	1350	956	0.47	1097	0.70	1222	0.94	1338	1.20	1447	1.46	1550	1.75	1649	2.04	1743	2.35	1834	2.66	-	-
2632	1400	981	0.50	1118	0.74	1241	0.99	1354	1.25	1461	1.53	1563	1.81	1660	2.11	1753	2.42	1843	2.75	-	-
2726	1450	1005	0.54	1140	0.79	1260	1.04	1372	1.31	1477	1.59	1577	1.88	1672	2.19	1764	2.50	1852	2.83	1938	3.17
2820	1500	1030	0.58	1162	0.83	1280	1.10	1390	1.37	1493	1.66	1591	1.96	1685	2.27	1775	2.59	1863	2.92	1947	3.26
3008	1600	1080	0.67	1207	0.94	1321	1.21	1426	1.50	1526	1.80	1621	2.11	1713	2.43	1800	2.76	1885	3.10	1967	3.46
3102	1650	1105	0.72	1230	0.99	1342	1.28	1446	1.57	1544	1.87	1637	2.19	1727	2.52	1814	2.85	1898	3.20	1979	3.56
3196	1700	1130	0.77	1253	1.05	1363	1.34	1465	1.64	1562	1.95	1654	2.27	1743	2.61	1828	2.95	1910	3.30	1990	3.67
3290	1750	1156	0.82	1276	1.11	1385	1.41	1485	1.71	1580	2.03	1671	2.36	1758	2.70	1842	3.05	1924	3.41	2003	3.77
3384	1800	1182	0.88	1300	1.18	1407	1.48	1505	1.79	1599	2.11	1689	2.45	1774	2.79	1857	3.15	1938	3.51	2016	3.89
3572	1900	1233	1.00	1348	1.31	1451	1.63	1547	1.95	1638	2.29	1725	2.64	1808	2.99	1889	3.36	1967	3.73	2043	4.12
3666	1950	1259	1.06	1372	1.38	1474	1.71	1568	2.04	1658	2.38	1743	2.74	1826	3.10	1906	3.47	1983	3.85	2058	4.24
3760	2000	1286	1.13	1397	1.46	1497	1.79	1590	2.13	1678	2.48	1762	2.84	1844	3.21	1922	3.58	1999	3.97	2073	4.37
3948	2100	1338	1.27	1446	1.61	1543	1.96	1634	2.32	1720	2.68	1801	3.05	1881	3.43	1957	3.82	2032	4.22	2104	4.63
4042	2150	1364	1.34	1471	1.70	1566	2.05	1656	2.42	1741	2.79	1822	3.16	1900	3.55	1975	3.95	2049	4.35	2120	4.76
4136	2200	1391	1.42	1496	1.79	1590	2.15	1678	2.52	1762	2.90	1842	3.28	1919	3.67	1994	4.08	2066	4.49	2137	4.91
4324	2300	1444	1.59	1546	1.97	1638	2.35	1724	2.73	1805	3.12	1883	3.52	1959	3.93	2032	4.34	2102	4.77	-	-
4418	2350	1471	1.68	1571	2.07	1662	2.46	1747	2.85	1827	3.24	1905	3.65	1979	4.06	2051	4.48	2121	4.91	-	-
4512	2400	1498	1.77	1597	2.17	1686	2.56	1770	2.96	1850	3.37	1926	3.78	1999	4.20	2070	4.63	-	-	-	-
4606	2450	1524	1.87	1622	2.27	1711	2.68	1794	3.08	1872	3.50	1947	3.91	2020	4.34	2090	4.77	-	-	-	-
4700	2500	1551	1.97	1648	2.38	1735	2.79	1817	3.21	1895	3.63	1969	4.05	2041	4.49	2110	4.93	-	-	-	-
4794	2550	1578	2.07	1673	2.49	1760	2.91	1841	3.33	1917	3.76	1991	4.19	2062	4.63	-	-	-	-	-	-
4888	2600	1605	2.18	1699	2.61	1784	3.04	1865	3.47	1940	3.90	2013	4.34	2083	4.79	-	-	-	-	-	-
4982	2650	1632	2.29	1725	2.73	1809	3.16	1889	3.60	1964	4.04	2036	4.49	2105	4.94	-	-	-	-	-	-
5076	2700	1659	2.40	1751	2.85	1834	3.30	1913	3.74	1987	4.19	2058	4.65	-	-	-	-	-	-	-	-
5264	2800	1714	2.64	1803	3.11	1885	3.57	1961	4.03	2034	4.50	2104	4.97	-	-	-	-	-	-	-	-
5358	2850	1741	2.77	1829	3.25	1910	3.71	1986	4.19	2057	4.66	-	-	-	-	-	-	-	-	-	-
5452	2900	1768	2.90	1855	3.39	1935	3.86	2010	4.34	2081	4.82	-	-	-	-	-	-	-	-	-	-
5546	2950	1796	3.04	1882	3.53	1961	4.02	2035	4.50	2105	4.99	-	-	-	-	-	-	-	-	-	-
5640	3000	1823	3.18	1908	3.68	1986	4.17	2060	4.67	-	-	-	-	-	-	-	-	-	-	-	-
5828	3100	1878	3.47	1961	3.99	2037	4.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6016	3200	1933	3.78	2014	4.32	2089	4.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6204	3300	1988	4.11	2067	4.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6298	3350	2016	4.28	2094	4.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6392	3400	2043	4.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6486	3450	2071	4.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793

Optional - Must be specified



CM 20

Wheel Diameter: 20-3/16"
Outlet Area: 2.33 Sq. Ft.
Average Weight: CM - 188 lbs
Shaft Diameter: 1-1/2"
Tip Speed: 5.26 x RPM=FPM
Max Fan RPM: 1,823 RPM
Max Motor HP: 5 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1864	800	635	0.22	804	0.42	950	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2097	900	669	0.27	828	0.48	967	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2330	1000	706	0.31	856	0.54	989	0.79	1110	1.05	-	-	-	-	-	-	-	-	-	-	-	-
2563	1100	744	0.37	887	0.61	1014	0.87	1130	1.15	1237	1.45	-	-	-	-	-	-	-	-	-	-
2680	1150	764	0.40	904	0.65	1027	0.92	1141	1.20	1247	1.51	1346	1.83	-	-	-	-	-	-	-	-
2796	1200	784	0.43	921	0.69	1042	0.96	1153	1.26	1257	1.57	1355	1.90	1447	2.24	-	-	-	-	-	-
2913	1250	805	0.47	938	0.73	1056	1.01	1165	1.32	1267	1.64	1364	1.97	1455	2.32	-	-	-	-	-	-
3029	1300	825	0.50	956	0.78	1072	1.07	1179	1.38	1279	1.70	1374	2.04	1464	2.40	1550	2.77	-	-	-	-
3146	1350	846	0.54	974	0.82	1088	1.12	1193	1.44	1291	1.77	1384	2.12	1473	2.48	1558	2.86	-	-	-	-
3262	1400	867	0.58	993	0.87	1104	1.18	1207	1.50	1304	1.84	1395	2.20	1483	2.57	1567	2.95	1647	3.35	-	-
3379	1450	889	0.63	1012	0.93	1121	1.24	1222	1.57	1317	1.92	1407	2.28	1493	2.66	1576	3.05	1655	3.45	1732	3.86
3495	1500	910	0.68	1031	0.98	1138	1.30	1237	1.64	1331	2.00	1419	2.37	1504	2.75	1586	3.14	1664	3.55	1740	3.97
3612	1550	932	0.72	1050	1.04	1156	1.37	1253	1.71	1345	2.08	1432	2.45	1516	2.84	1596	3.25	1674	3.66	1749	4.09
3728	1600	954	0.78	1070	1.10	1173	1.44	1269	1.79	1360	2.16	1446	2.54	1528	2.94	1607	3.35	1684	3.77	1758	4.21
3845	1650	976	0.83	1090	1.16	1192	1.51	1286	1.87	1375	2.25	1460	2.64	1541	3.04	1619	3.46	1695	3.89	1768	4.33
3961	1700	998	0.89	1110	1.23	1210	1.58	1303	1.95	1390	2.33	1474	2.73	1554	3.14	1631	3.57	1706	4.00	1778	4.45
4078	1750	1021	0.95	1131	1.30	1229	1.66	1320	2.04	1406	2.43	1489	2.83	1568	3.25	1644	3.68	1717	4.13	1789	4.58
4194	1800	1043	1.01	1151	1.37	1248	1.74	1338	2.12	1423	2.52	1504	2.94	1582	3.36	1657	3.80	1729	4.25	1800	4.71
4311	1850	1066	1.08	1172	1.44	1268	1.82	1356	2.22	1439	2.62	1519	3.04	1596	3.48	1670	3.92	1742	4.38	1811	4.85
4427	1900	1088	1.14	1193	1.52	1287	1.91	1374	2.31	1457	2.73	1535	3.15	1611	3.59	1684	4.05	1755	4.51	1823	4.99
4660	2000	1134	1.29	1235	1.69	1327	2.10	1411	2.51	1491	2.94	1568	3.38	1642	3.84	1713	4.31	1782	4.78	-	-
4777	2050	1156	1.37	1257	1.78	1347	2.19	1430	2.62	1509	3.06	1585	3.51	1658	3.97	1728	4.44	1796	4.93	-	-
4893	2100	1179	1.45	1278	1.87	1367	2.29	1450	2.73	1527	3.17	1602	3.63	1674	4.10	1743	4.58	-	-	-	-
5010	2150	1203	1.54	1300	1.96	1388	2.40	1469	2.84	1546	3.29	1619	3.76	1690	4.24	1759	4.73	-	-	-	-
5126	2200	1226	1.63	1322	2.06	1408	2.51	1488	2.96	1564	3.42	1637	3.89	1707	4.38	1775	4.87	-	-	-	-
5243	2250	1249	1.72	1344	2.17	1429	2.62	1508	3.08	1583	3.55	1655	4.03	1724	4.52	-	-	-	-	-	-
5359	2300	1272	1.82	1366	2.27	1450	2.73	1528	3.20	1602	3.68	1673	4.17	1741	4.67	-	-	-	-	-	-
5476	2350	1295	1.92	1388	2.38	1471	2.85	1548	3.33	1621	3.82	1691	4.31	1759	4.82	-	-	-	-	-	-
5592	2400	1319	2.02	1410	2.50	1492	2.98	1568	3.46	1641	3.96	1710	4.46	-	-	-	-	-	-	-	-
5709	2450	1342	2.13	1432	2.62	1513	3.10	1589	3.60	1660	4.10	1729	4.62	-	-	-	-	-	-	-	-
5825	2500	1366	2.24	1454	2.74	1535	3.24	1609	3.74	1680	4.25	1748	4.77	-	-	-	-	-	-	-	-
6058	2600	1413	2.48	1499	3.00	1578	3.51	1651	4.04	1720	4.57	-	-	-	-	-	-	-	-	-	-
6175	2650	1436	2.60	1522	3.13	1600	3.66	1672	4.19	1740	4.73	-	-	-	-	-	-	-	-	-	-
6291	2700	1460	2.73	1545	3.27	1621	3.81	1693	4.35	1760	4.90	-	-	-	-	-	-	-	-	-	-
6408	2750	1484	2.87	1567	3.42	1643	3.96	1714	4.51	-	-	-	-	-	-	-	-	-	-	-	-
6524	2800	1507	3.01	1590	3.56	1665	4.12	1735	4.68	-	-	-	-	-	-	-	-	-	-	-	-
6757	2900	1555	3.30	1636	3.88	1709	4.45	1778	5.03	-	-	-	-	-	-	-	-	-	-	-	-
6990	3000	1603	3.61	1682	4.21	1754	4.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7107	3050	1627	3.77	1705	4.38	1776	4.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7223	3100	1651	3.94	1728	4.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7340	3150	1675	4.11	1751	4.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7456	3200	1699	4.29	1774	4.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7573	3250	1723	4.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7689	3300	1747	4.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7806	3350	1771	4.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance certified is for installation type B - free inlet, ducted outlet.
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UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793

Optional - Must be specified

CM 22

Wheel Diameter: 22-7/16"
Outlet Area: 2.95 Sq. Ft.
Average Weight: CM - 269 lbs
Shaft Diameter: 1-1/2"
Tip Speed: 5.88 x RPM=FPM
Max Fan RPM: 1,716 RPM
Max Motor HP: 7-1/2 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2360	800	573	0.28	723	0.53	854	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2655	900	604	0.34	746	0.60	870	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2950	1000	637	0.40	772	0.68	890	0.99	998	1.33	-	-	-	-	-	-	-	-	-	-	-	-
3245	1100	672	0.47	800	0.77	913	1.10	1016	1.46	1112	1.83	-	-	-	-	-	-	-	-	-	-
3540	1200	709	0.55	831	0.87	939	1.22	1038	1.59	1130	1.99	1218	2.40	-	-	-	-	-	-	-	-
3688	1250	727	0.59	847	0.93	952	1.29	1049	1.67	1140	2.07	1226	2.49	1308	2.93	-	-	-	-	-	-
3835	1300	746	0.64	863	0.98	966	1.35	1062	1.74	1151	2.15	1235	2.58	1316	3.03	1393	3.49	-	-	-	-
3983	1350	765	0.69	880	1.04	981	1.42	1074	1.82	1162	2.24	1245	2.68	1325	3.14	1400	3.61	-	-	-	-
4130	1400	784	0.74	896	1.11	996	1.50	1088	1.90	1174	2.33	1256	2.78	1334	3.25	1409	3.73	1480	4.22	-	-
4278	1450	803	0.80	914	1.17	1011	1.57	1101	1.99	1186	2.43	1267	2.89	1343	3.36	1417	3.85	1488	4.36	-	-
4425	1500	822	0.86	931	1.24	1027	1.65	1116	2.08	1199	2.53	1278	2.99	1354	3.48	1426	3.98	1496	4.49	1564	5.02
4720	1600	862	0.98	967	1.39	1059	1.82	1145	2.27	1226	2.74	1302	3.22	1376	3.72	1446	4.24	1515	4.77	1581	5.32
4868	1650	881	1.05	985	1.47	1076	1.91	1160	2.37	1240	2.85	1315	3.34	1387	3.85	1457	4.38	1524	4.92	1590	5.47
5015	1700	901	1.12	1003	1.56	1093	2.01	1176	2.47	1254	2.96	1328	3.46	1400	3.98	1468	4.52	1535	5.07	1599	5.63
5163	1750	921	1.20	1022	1.64	1110	2.10	1192	2.58	1269	3.08	1342	3.59	1412	4.12	1480	4.66	1545	5.22	1609	5.80
5310	1800	941	1.28	1040	1.74	1127	2.21	1208	2.69	1284	3.20	1356	3.72	1425	4.26	1492	4.81	1557	5.38	1619	5.96
5605	1900	982	1.45	1078	1.93	1163	2.42	1241	2.93	1314	3.46	1385	4.00	1452	4.55	1517	5.13	1580	5.71	1641	6.31
5753	1950	1002	1.54	1097	2.03	1181	2.54	1258	3.06	1330	3.59	1400	4.14	1466	4.71	1530	5.29	1593	5.88	1653	6.49
5900	2000	1022	1.64	1116	2.14	1199	2.66	1275	3.18	1346	3.73	1415	4.29	1480	4.87	1544	5.46	1605	6.06	1665	6.68
6195	2100	1063	1.84	1155	2.37	1235	2.91	1309	3.46	1379	4.02	1446	4.60	1510	5.20	1572	5.81	1631	6.43	1690	7.07
6343	2150	1084	1.95	1174	2.49	1254	3.04	1327	3.60	1396	4.18	1462	4.77	1525	5.37	1586	5.99	1645	6.62	1703	7.27
6490	2200	1105	2.06	1194	2.62	1272	3.18	1345	3.75	1413	4.33	1478	4.93	1540	5.55	1601	6.18	1659	6.82	1716	7.47
6638	2250	1125	2.18	1213	2.75	1291	3.32	1363	3.90	1430	4.50	1494	5.11	1556	5.73	1616	6.37	1673	7.02	-	-
6785	2300	1146	2.30	1233	2.88	1310	3.47	1381	4.06	1447	4.66	1511	5.28	1572	5.92	1631	6.57	1688	7.23	-	-
7080	2400	1188	2.56	1273	3.17	1348	3.77	1417	4.39	1482	5.02	1544	5.66	1604	6.31	1662	6.98	-	-	-	-
7375	2500	1230	2.84	1313	3.47	1386	4.10	1454	4.74	1518	5.39	1578	6.05	1637	6.73	1693	7.41	-	-	-	-
7523	2550	1251	2.99	1333	3.63	1406	4.28	1473	4.93	1536	5.59	1596	6.26	1654	6.94	-	-	-	-	-	-
7670	2600	1272	3.14	1353	3.80	1425	4.46	1491	5.12	1554	5.79	1613	6.47	1671	7.16	-	-	-	-	-	-
7818	2650	1293	3.30	1373	3.97	1445	4.64	1510	5.31	1572	5.99	1631	6.69	1688	7.39	-	-	-	-	-	-
7965	2700	1314	3.47	1394	4.15	1464	4.83	1529	5.51	1590	6.21	1649	6.91	-	-	-	-	-	-	-	-
8260	2800	1356	3.81	1434	4.52	1503	5.22	1567	5.93	1627	6.65	1685	7.38	-	-	-	-	-	-	-	-
8555	2900	1399	4.18	1475	4.92	1543	5.65	1606	6.38	1665	7.12	-	-	-	-	-	-	-	-	-	-
8703	2950	1420	4.38	1496	5.13	1563	5.87	1625	6.61	1684	7.36	-	-	-	-	-	-	-	-	-	-
8850	3000	1441	4.58	1516	5.34	1583	6.09	1645	6.85	-	-	-	-	-	-	-	-	-	-	-	-
8998	3050	1463	4.78	1537	5.56	1603	6.33	1664	7.09	-	-	-	-	-	-	-	-	-	-	-	-
9145	3100	1484	4.99	1558	5.78	1623	6.56	1684	7.34	-	-	-	-	-	-	-	-	-	-	-	-
9293	3150	1505	5.21	1578	6.02	1643	6.81	1703	-	-	-	-	-	-	-	-	-	-	-	-	-
9440	3200	1527	5.44	1599	6.26	1663	7.06	1723	-	-	-	-	-	-	-	-	-	-	-	-	-
9735	3300	1570	5.91	1640	6.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9883	3350	1591	6.16	1661	7.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10030	3400	1613	6.41	1682	7.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10325	3500	1656	6.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10473	3550	1678	7.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10620	3600	1699	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793

Optional - Must be specified



MODELS CM
BELT DRIVEN UTILITY VENT SET



CM 24

Wheel Diameter: 25-3/16"
Outlet Area: 3.70 Sq. Ft.
Average Weight: CM - 340 lbs
Shaft Diameter: 1-1/2"
Tip Speed: 6.60 x RPM=FPM
Max Fan RPM: 1,533 RPM
Max Motor HP: 10 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2960	800	495	0.34	631	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3330	900	521	0.40	648	0.72	761	1.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3700	1000	549	0.47	669	0.81	776	1.19	874	1.60	-	-	-	-	-	-	-	-	-	-	-	-
4070	1100	579	0.55	692	0.92	794	1.32	887	1.75	975	2.21	-	-	-	-	-	-	-	-	-	-
4440	1200	610	0.64	718	1.03	814	1.46	903	1.91	988	2.39	1068	2.90	-	-	-	-	-	-	-	-
4625	1250	626	0.70	731	1.10	825	1.53	913	2.00	995	2.49	1073	3.00	1148	3.54	-	-	-	-	-	-
4810	1300	642	0.75	744	1.16	836	1.61	922	2.08	1003	2.59	1080	3.11	1154	3.66	-	-	-	-	-	-
4995	1350	658	0.81	758	1.23	848	1.69	932	2.18	1012	2.69	1087	3.22	1159	3.78	1229	4.36	-	-	-	-
5180	1400	674	0.87	773	1.31	861	1.78	943	2.27	1021	2.79	1095	3.34	1166	3.91	1234	4.50	1300	5.10	-	-
5365	1450	691	0.93	787	1.38	874	1.86	954	2.37	1030	2.90	1103	3.46	1173	4.04	1240	4.64	1305	5.26	-	-
5550	1500	707	1.00	802	1.46	887	1.96	966	2.47	1040	3.02	1112	3.59	1181	4.18	1247	4.79	1311	5.41	1373	6.06
5735	1550	724	1.07	817	1.55	900	2.05	978	2.58	1051	3.14	1121	3.72	1189	4.32	1254	4.94	1317	5.58	1378	6.23
5920	1600	741	1.15	832	1.64	914	2.15	990	2.69	1062	3.26	1131	3.85	1197	4.46	1262	5.09	1324	5.74	1384	6.41
6290	1700	775	1.31	863	1.83	942	2.37	1015	2.93	1085	3.52	1152	4.13	1216	4.76	1278	5.41	1339	6.09	1397	6.77
6475	1750	792	1.40	879	1.93	957	2.48	1029	3.06	1097	3.66	1163	4.28	1226	4.92	1287	5.58	1347	6.26	1405	6.96
6660	1800	809	1.49	895	2.03	971	2.60	1042	3.19	1109	3.80	1174	4.43	1236	5.08	1297	5.76	1355	6.45	1412	7.16
6845	1850	827	1.58	911	2.14	986	2.72	1056	3.32	1122	3.94	1186	4.59	1247	5.25	1306	5.94	1364	6.64	1420	7.36
7030	1900	844	1.68	927	2.26	1001	2.85	1070	3.46	1135	4.10	1198	4.75	1258	5.42	1317	6.12	1373	6.83	1429	7.56
7215	1950	862	1.79	943	2.38	1016	2.98	1084	3.61	1148	4.25	1210	4.92	1269	5.60	1327	6.31	1383	7.03	1438	7.77
7400	2000	879	1.90	960	2.50	1032	3.12	1099	3.76	1162	4.41	1222	5.09	1281	5.79	1338	6.50	1393	7.24	1447	7.99
7585	2050	897	2.01	976	2.63	1047	3.26	1113	3.91	1175	4.58	1235	5.27	1293	5.98	1349	6.70	1404	7.45	1457	8.21
7770	2100	914	2.13	993	2.77	1063	3.41	1128	4.07	1189	4.75	1248	5.45	1305	6.17	1361	6.91	1414	7.67	1467	8.44
8140	2200	950	2.39	1026	3.05	1095	3.72	1158	4.41	1218	5.11	1275	5.84	1331	6.58	1384	7.34	1437	8.12	1488	8.91
8325	2250	968	2.52	1043	3.20	1111	3.89	1173	4.59	1232	5.30	1289	6.04	1344	6.79	1397	7.56	1448	8.35	1499	9.16
8510	2300	986	2.66	1060	3.36	1127	4.06	1188	4.77	1247	5.50	1303	6.25	1357	7.01	1409	7.79	1460	8.59	1510	9.41
8695	2350	1003	2.81	1077	3.52	1143	4.23	1204	4.96	1262	5.70	1317	6.46	1370	7.24	1422	8.03	1472	8.84	1522	9.67
8880	2400	1021	2.96	1094	3.69	1159	4.41	1220	5.15	1277	5.91	1331	6.68	1384	7.47	1435	8.27	1485	9.09	1533	9.93
9250	2500	1057	3.28	1129	4.04	1192	4.79	1251	5.56	1307	6.34	1360	7.14	1412	7.95	1461	8.78	1510	9.62	-	-
9620	2600	1094	3.63	1163	4.42	1225	5.20	1283	5.99	1338	6.80	1390	7.62	1440	8.46	1489	9.31	-	-	-	-
9990	2700	1130	4.00	1198	4.82	1259	5.63	1315	6.45	1369	7.28	1420	8.13	1469	8.99	1517	9.87	-	-	-	-
10360	2800	1166	4.40	1233	5.24	1293	6.09	1348	6.94	1400	7.80	1450	8.67	1499	9.55	-	-	-	-	-	-
10545	2850	1185	4.60	1251	5.47	1310	6.33	1365	7.19	1416	8.06	1466	8.95	1513	9.85	-	-	-	-	-	-
10730	2900	1203	4.82	1268	5.70	1327	6.57	1381	7.45	1432	8.33	1481	9.23	-	-	-	-	-	-	-	-
10915	2950	1221	5.04	1286	5.94	1344	6.83	1398	7.72	1448	8.62	1497	9.53	-	-	-	-	-	-	-	-
11100	3000	1240	5.27	1304	6.18	1361	7.09	1414	7.99	1465	8.91	1513	9.83	-	-	-	-	-	-	-	-
11470	3100	1276	5.75	1339	6.70	1396	7.63	1448	8.56	1497	9.50	-	-	-	-	-	-	-	-	-	-
11840	3200	1313	6.26	1375	7.24	1430	8.20	1482	9.17	-	-	-	-	-	-	-	-	-	-	-	-
12025	3250	1332	6.53	1393	7.52	1448	8.50	1499	9.48	-	-	-	-	-	-	-	-	-	-	-	-
12210	3300	1350	6.80	1411	7.81	1465	8.81	1516	9.80	-	-	-	-	-	-	-	-	-	-	-	-
12395	3350	1369	7.08	1429	8.11	1483	9.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12580	3400	1387	7.37	1447	8.42	1500	9.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12765	3450	1406	7.67	1465	8.73	1518	9.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12950	3500	1424	7.98	1483	9.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13320	3600	1462	8.62	1519	9.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13505	3650	1480	8.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Wheel Diameter: 28-1/4"
Outlet Area: 4.70 Sq. Ft.
Average Weight: CM - 549 lbs
Shaft Diameter: 1-3/4"
Tip Speed: 7.40 x RPM=FPM
Max Fan RPM: 1,297 RPM
Max Motor HP: CM - 15 HP
FEG: 80

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3760	800	448	0.43	568	0.81	672	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4230	900	472	0.51	585	0.92	684	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4700	1000	497	0.60	605	1.04	699	1.5	785	2.0	-	-	-	-	-	-	-	-	-	-	-	-
5170	1100	524	0.71	626	1.18	716	1.7	799	2.2	875	2.8	-	-	-	-	-	-	-	-	-	-
5405	1150	538	0.77	638	1.25	726	1.8	807	2.3	882	2.9	952	3.5	-	-	-	-	-	-	-	-
5640	1200	552	0.83	649	1.33	736	1.9	815	2.4	889	3.0	958	3.7	-	-	-	-	-	-	-	-
5875	1250	567	0.90	661	1.41	746	2.0	824	2.6	896	3.2	965	3.8	1029	4.5	-	-	-	-	-	-
6110	1300	581	0.97	674	1.49	757	2.1	833	2.7	904	3.3	971	4.0	1035	4.6	1097	5.4	-	-	-	-
6345	1350	596	1.04	687	1.58	768	2.2	842	2.8	912	3.4	979	4.1	1042	4.8	1102	5.5	-	-	-	-
6580	1400	611	1.12	700	1.68	779	2.3	852	2.9	921	3.6	986	4.3	1049	5.0	1108	5.7	1165	6.5	-	-
6815	1450	626	1.20	713	1.78	791	2.4	863	3.0	930	3.7	995	4.4	1056	5.1	1115	5.9	1171	6.7	-	-
7050	1500	641	1.29	726	1.88	803	2.5	873	3.2	940	3.9	1003	4.6	1064	5.3	1122	6.1	1177	6.9	1231	7.7
7520	1600	672	1.48	754	2.11	827	2.8	896	3.5	960	4.2	1021	4.9	1080	5.7	1136	6.5	1191	7.3	1243	8.1
7755	1650	688	1.59	768	2.23	840	2.9	907	3.6	971	4.3	1031	5.1	1089	5.9	1144	6.7	1198	7.5	1250	8.4
7990	1700	703	1.70	782	2.35	853	3.0	919	3.8	981	4.5	1041	5.3	1098	6.1	1153	6.9	1206	7.8	1257	8.6
8460	1800	735	1.93	811	2.62	879	3.3	943	4.1	1004	4.9	1062	5.7	1117	6.5	1171	7.4	1222	8.2	1272	9.1
8695	1850	751	2.06	825	2.76	893	3.5	956	4.3	1015	5.1	1072	5.9	1127	6.7	1180	7.6	1231	8.5	1280	9.4
8930	1900	767	2.19	840	2.91	907	3.7	969	4.4	1027	5.3	1083	6.1	1137	6.9	1189	7.8	1240	8.7	1289	9.7
9165	1950	783	2.33	855	3.07	920	3.8	981	4.6	1039	5.5	1095	6.3	1148	7.2	1199	8.1	1249	9.0	1297	9.9
9400	2000	799	2.48	870	3.23	934	4.0	995	4.8	1052	5.7	1106	6.5	1159	7.4	1209	8.3	1259	9.3	1306	10.2
9635	2050	815	2.63	885	3.40	948	4.2	1008	5.0	1064	5.9	1118	6.8	1170	7.7	1220	8.6	1268	9.5	1316	10.5
9870	2100	832	2.79	900	3.58	963	4.4	1021	5.2	1077	6.1	1130	7.0	1181	7.9	1230	8.9	1278	9.8	1325	10.8
10105	2150	848	2.95	916	3.76	977	4.6	1035	5.5	1089	6.3	1142	7.2	1192	8.2	1241	9.1	1289	10.1	1335	11.1
10340	2200	865	3.13	931	3.95	992	4.8	1048	5.7	1102	6.6	1154	7.5	1204	8.4	1252	9.4	1299	10.4	1345	11.4
10575	2250	881	3.31	946	4.15	1006	5.0	1062	5.9	1116	6.8	1167	7.8	1216	8.7	1264	9.7	1310	10.7	1355	11.7
10810	2300	897	3.49	962	4.35	1021	5.2	1076	6.1	1129	7.1	1179	8.0	1228	9.0	1275	10.0	1321	11.0	1365	12.1
11280	2400	931	3.89	993	4.78	1051	5.7	1105	6.6	1156	7.6	1205	8.6	1253	9.6	1299	10.6	1343	11.7	1387	12.7
11750	2500	964	4.32	1025	5.25	1081	6.2	1133	7.2	1183	8.2	1231	9.2	1278	10.2	1323	11.3	1367	12.3	1409	13.4
11985	2550	981	4.55	1041	5.49	1096	6.5	1148	7.4	1197	8.5	1245	9.5	1291	10.5	1335	11.6	1378	12.7	1421	13.8
12220	2600	998	4.78	1057	5.74	1111	6.7	1162	7.7	1211	8.8	1258	9.8	1304	10.9	1348	12.0	1390	13.1	1432	14.2
12455	2650	1014	5.03	1073	6.00	1126	7.0	1177	8.0	1225	9.1	1272	10.1	1317	11.2	1360	12.3	1403	13.4	-	-
12690	2700	1031	5.28	1089	6.27	1142	7.3	1192	8.3	1240	9.4	1286	10.5	1330	11.6	1373	12.7	1415	13.8	-	-
12925	2750	1048	5.54	1105	6.55	1157	7.6	1207	8.6	1254	9.7	1299	10.8	1343	11.9	1386	13.0	1427	14.2	-	-
13160	2800	1065	5.81	1121	6.84	1173	7.9	1222	9.0	1268	10.0	1313	11.2	1357	12.3	1399	13.4	1440	14.6	-	-
13630	2900	1099	6.38	1153	7.44	1204	8.5	1252	9.6	1298	10.7	1342	11.9	1384	13.0	1425	14.2	-	-	-	-
14100	3000	1133	6.98	1186	8.08	1236	9.2	1282	10.3	1327	11.5	1370	12.7	1412	13.9	1452	15.1	-	-	-	-
14335	3050	1150	7.30	1202	8.42	1251	9.6	1298	10.7	1342	11.9	1385	13.1	1426	14.3	-	-	-	-	-	-
14570	3100	1167	7.63	1219	8.76	1267	9.9	1313	11.1	1357	12.3	1399	13.5	1440	14.7	-	-	-	-	-	-
14805	3150	1184	7.96	1235	9.12	1283	10.3	1328	11.5	1372	12.7	1414	13.9	1454	15.1	-	-	-	-	-	-
15040	3200	1201	8.31	1252	9.48	1299	10.7	1344	11.9	1387	13.1	1428	14.3	-	-	-	-	-	-	-	-
15275	3250	1218	8.67	1268	9.86	1315	11.1	1359	12.3	1402	13.5	1443	14.8	-	-	-	-	-	-	-	-
15510	3300	1236	9.04	1285	10.25	1331	11.5	1375	12.7	1417	14.0	-	-	-	-	-	-	-	-	-	-
15745	3350	1253	9.42	1302	10.65	1347	11.9	1391	13.1	1432	14.4	-	-	-	-	-	-	-	-	-	-
15980	3400	1270	9.81	1318	11.05	1363	12.3	1406	13.6	1448	14.9	-	-	-	-	-	-	-	-	-	-

Performance certified is for installation type B - free inlet, ducted outlet.
 Performance ratings do not include the effects of appurtenances (accessories).
 Power rating (BHP) does not include transmission losses.



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UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793

Optional - Must be specified



CM 30

Wheel Diameter: 31-7/8"
Outlet Area: 5.76 Sq. Ft.
Average Weight: CM - 739 lbs
Shaft Diameter: 1-3/4"
Tip Speed: 8.33 x RPM=FPM
Max Fan RPM: 1,093 RPM
Max Motor HP: CM - 15 HP
FEG: 85

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4608	800	394	0.5	502	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5184	900	415	0.6	516	1.1	604	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5760	1000	437	0.8	533	1.3	617	1.9	693	2.5	-	-	-	-	-	-	-	-	-	-	-	-
6048	1050	448	0.8	542	1.4	624	2.0	699	2.6	768	3.3	-	-	-	-	-	-	-	-	-	-
6336	1100	460	0.9	551	1.5	632	2.1	705	2.8	773	3.5	-	-	-	-	-	-	-	-	-	-
6624	1150	472	1.0	561	1.6	640	2.2	712	2.9	779	3.6	842	4.4	-	-	-	-	-	-	-	-
6912	1200	484	1.0	571	1.7	648	2.3	719	3.0	785	3.8	847	4.5	-	-	-	-	-	-	-	-
7200	1250	496	1.1	581	1.8	657	2.4	726	3.2	791	3.9	852	4.7	910	5.5	-	-	-	-	-	-
7488	1300	509	1.2	592	1.9	666	2.6	734	3.3	798	4.1	858	4.9	915	5.7	-	-	-	-	-	-
7776	1350	521	1.3	603	2.0	676	2.7	742	3.5	805	4.3	864	5.1	920	5.9	974	6.8	-	-	-	-
8064	1400	534	1.4	614	2.1	685	2.8	751	3.6	813	4.4	871	5.3	926	6.2	979	7.1	1030	8.0	-	-
8352	1450	547	1.5	625	2.2	695	3.0	760	3.8	820	4.6	878	5.5	932	6.4	985	7.3	1035	8.2	-	-
8640	1500	560	1.6	637	2.3	706	3.1	769	3.9	829	4.8	885	5.7	939	6.6	990	7.5	1040	8.5	1088	9.5
8928	1550	573	1.7	649	2.5	716	3.3	778	4.1	837	5.0	893	5.9	946	6.8	997	7.8	1046	8.8	1093	9.8
9216	1600	587	1.8	661	2.6	727	3.4	788	4.3	846	5.2	901	6.1	953	7.1	1003	8.0	1052	9.0	1098	10.1
9504	1650	600	2.0	673	2.8	738	3.6	798	4.5	855	5.4	909	6.3	960	7.3	1010	8.3	1058	9.3	1104	10.4
9792	1700	613	2.1	685	2.9	749	3.8	808	4.7	864	5.6	917	6.6	968	7.6	1017	8.6	1064	9.6	1110	10.7
10080	1750	627	2.2	697	3.1	760	4.0	819	4.9	874	5.8	926	6.8	976	7.8	1025	8.8	1071	9.9	1116	11.0
10368	1800	641	2.4	710	3.3	772	4.2	829	5.1	883	6.1	935	7.1	985	8.1	1032	9.1	1078	10.2	1123	11.3
10656	1850	654	2.5	722	3.4	783	4.4	840	5.3	893	6.3	944	7.3	993	8.4	1040	9.4	1086	10.5	1130	11.6
10944	1900	668	2.7	735	3.6	795	4.6	851	5.5	903	6.5	954	7.6	1002	8.6	1048	9.7	1093	10.8	1137	12.0
11232	1950	682	2.9	748	3.8	807	4.8	862	5.8	914	6.8	963	7.8	1011	8.9	1057	10.0	1101	11.2	1144	12.3
11520	2000	696	3.1	761	4.0	819	5.0	873	6.0	924	7.0	973	8.1	1020	9.2	1066	10.3	1109	11.5	1152	12.7
11808	2050	710	3.2	773	4.2	831	5.2	884	6.3	935	7.3	983	8.4	1030	9.5	1074	10.7	1118	11.8	1160	13.0
12096	2100	724	3.4	787	4.4	843	5.5	896	6.5	946	7.6	993	8.7	1039	9.8	1084	11.0	1126	12.2	1168	13.4
12384	2150	738	3.6	800	4.7	855	5.7	908	6.8	957	7.9	1004	9.0	1049	10.2	1093	11.3	1135	12.6	1176	13.8
12672	2200	752	3.9	813	4.9	868	6.0	919	7.0	968	8.2	1014	9.3	1059	10.5	1102	11.7	1144	12.9	1185	14.2
13248	2300	780	4.3	839	5.4	893	6.5	943	7.6	991	8.8	1036	10.0	1080	11.2	1122	12.4	1163	13.7	1203	15.0
13536	2350	795	4.5	853	5.6	906	6.8	955	7.9	1002	9.1	1047	10.3	1090	11.5	1132	12.8	1172	14.1	-	-
13824	2400	809	4.8	866	5.9	919	7.1	967	8.2	1014	9.4	1058	10.7	1101	11.9	1142	13.2	1182	14.5	-	-
14112	2450	823	5.1	880	6.2	932	7.4	980	8.6	1026	9.8	1069	11.0	1112	12.3	1152	13.6	1192	14.9	-	-
14400	2500	838	5.3	894	6.5	944	7.7	992	8.9	1037	10.1	1081	11.4	1122	12.7	1163	14.0	-	-	-	-
14688	2550	852	5.6	907	6.8	958	8.0	1005	9.2	1049	10.5	1092	11.8	1133	13.1	1173	14.4	-	-	-	-
14976	2600	866	5.9	921	7.1	971	8.3	1017	9.6	1061	10.9	1104	12.2	1145	13.5	1184	14.9	-	-	-	-
15552	2700	895	6.5	948	7.7	997	9.0	1043	10.3	1086	11.6	1127	13.0	1167	14.4	-	-	-	-	-	-
15840	2750	910	6.8	962	8.1	1010	9.4	1055	10.7	1098	12.0	1139	13.4	1179	14.8	-	-	-	-	-	-
16128	2800	924	7.1	976	8.4	1024	9.8	1068	11.1	1110	12.5	1151	13.9	-	-	-	-	-	-	-	-
16416	2850	939	7.5	990	8.8	1037	10.1	1081	11.5	1123	12.9	1163	14.3	-	-	-	-	-	-	-	-
16704	2900	954	7.8	1004	9.2	1050	10.5	1094	11.9	1136	13.3	1175	14.8	-	-	-	-	-	-	-	-
16992	2950	968	8.2	1018	9.6	1064	11.0	1107	12.4	1148	13.8	-	-	-	-	-	-	-	-	-	-
17280	3000	983	8.6	1032	10.0	1077	11.4	1120	12.8	1161	14.2	-	-	-	-	-	-	-	-	-	-
17568	3050	998	9.0	1046	10.4	1091	11.8	1133	13.2	1174	14.7	-	-	-	-	-	-	-	-	-	-
17856	3100	1012	9.4	1060	10.8	1105	12.2	1147	13.7	-	-	-	-	-	-	-	-	-	-	-	-
18144	3150	1027	9.8	1074	11.2	1118	12.7	1160	14.2	-	-	-	-	-	-	-	-	-	-	-	-

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 Performance ratings do not include the effects of appurtenances (accessories).
 Power rating (BHP) does not include transmission losses.



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UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793

Optional - Must be specified



CM 36

Wheel Diameter: 35-5/8"
Outlet Area: 7.26 Sq. Ft.
Inlet Area: 6.945 Sq. Ft.
Average Weight: 959 lb
Shaft Diameter: 2-3/16"
Tip Speed: 9.33 x RPM=FPM
Max Fan RPM: 1,061 RPM
Max Motor HP: 15 HP
FEG: 85

CFM	OV	Static Pressure (Inches W.G.)																			
		0.5		1		1.5		2		2.5		3		3.5		4		4.5		5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5808	800	352	0.68	448	1.27	531	1.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6534	900	371	0.80	461	1.44	540	2.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7260	1000	391	0.94	476	1.63	551	2.38	619	3.18	-	-	-	-	-	-	-	-	-	-	-	-
7623	1050	401	1.02	484	1.73	558	2.50	624	3.33	686	4.20	-	-	-	-	-	-	-	-	-	-
7986	1100	412	1.11	493	1.84	564	2.64	630	3.49	691	4.38	-	-	-	-	-	-	-	-	-	-
8349	1150	422	1.20	501	1.95	572	2.77	636	3.65	696	4.57	752	5.52	-	-	-	-	-	-	-	-
8712	1200	433	1.29	510	2.07	579	2.92	642	3.81	701	4.76	756	5.74	-	-	-	-	-	-	-	-
9075	1250	445	1.40	520	2.20	587	3.07	649	3.99	707	4.95	761	5.96	813	7.00	-	-	-	-	-	-
9438	1300	456	1.51	529	2.33	595	3.22	656	4.17	713	5.15	766	6.18	817	7.25	866	8.35	-	-	-	-
9801	1350	467	1.62	539	2.47	604	3.39	663	4.35	719	5.36	772	6.42	822	7.51	870	8.63	916	9.8	-	-
10164	1400	479	1.74	549	2.62	613	3.56	671	4.55	726	5.58	778	6.66	827	7.77	875	8.92	920	10.1	-	-
10527	1450	491	1.87	560	2.78	622	3.74	679	4.75	733	5.81	784	6.91	833	8.04	880	9.21	925	10.4	968	11.6
10890	1500	503	2.01	570	2.94	631	3.92	687	4.96	740	6.04	790	7.16	839	8.32	885	9.51	929	10.7	972	12.0
11253	1550	515	2.16	581	3.11	640	4.12	696	5.17	748	6.28	797	7.42	845	8.61	890	9.82	934	11.1	977	12.4
11616	1600	527	2.31	592	3.29	650	4.32	704	5.40	756	6.53	804	7.70	851	8.90	896	10.1	939	11.4	981	12.7
12342	1700	551	2.65	613	3.67	670	4.75	722	5.88	772	7.05	819	8.27	865	9.52	909	10.8	951	12.1	992	13.5
12705	1750	563	2.83	625	3.87	680	4.98	732	6.13	781	7.33	827	8.56	872	9.84	915	11.2	957	12.5	997	13.9
13068	1800	576	3.01	636	4.09	690	5.21	741	6.39	789	7.61	835	8.87	880	10.2	922	11.5	963	12.9	1003	14.3
13431	1850	588	3.21	647	4.31	701	5.46	751	6.66	798	7.91	844	9.19	887	10.5	929	11.9	970	13.3	1009	14.7
13794	1900	601	3.42	659	4.54	712	5.72	761	6.94	808	8.21	852	9.52	895	10.9	937	12.2	977	13.7	1016	15.1
14157	1950	613	3.64	670	4.78	722	5.98	771	7.23	817	8.52	861	9.9	903	11.2	944	12.6	984	14.1	-	-
14520	2000	626	3.86	682	5.04	733	6.26	781	7.53	826	8.85	870	10.2	912	11.6	952	13.0	991	14.5	-	-
15246	2100	651	4.35	706	5.57	755	6.85	802	8.17	846	9.53	888	10.9	929	12.4	968	13.8	-	-	-	-
15609	2150	664	4.61	718	5.86	767	7.16	812	8.50	856	9.89	898	11.3	938	12.8	977	14.3	-	-	-	-
15972	2200	677	4.88	730	6.15	778	7.48	823	8.85	866	10.3	907	11.7	947	13.2	985	14.7	-	-	-	-
16335	2250	690	5.16	742	6.46	789	7.81	834	9.20	876	10.6	917	12.1	956	13.6	-	-	-	-	-	-
16698	2300	702	5.45	754	6.78	801	8.15	845	9.57	886	11.0	927	12.5	965	14.1	-	-	-	-	-	-
17061	2350	715	5.76	766	7.11	812	8.51	856	10.0	897	11.4	937	13.0	975	14.5	-	-	-	-	-	-
17424	2400	728	6.07	778	7.45	824	8.88	867	10.3	907	11.9	947	13.4	984	15.0	-	-	-	-	-	-
18150	2500	754	6.74	803	8.18	847	9.65	889	11.2	929	12.7	967	14.3	-	-	-	-	-	-	-	-
18513	2550	767	7.10	815	8.56	859	10.1	900	11.6	940	13.2	977	14.8	-	-	-	-	-	-	-	-
18876	2600	781	7.47	828	8.95	871	10.5	912	12.0	951	13.6	-	-	-	-	-	-	-	-	-	-
19239	2650	794	7.85	840	9.36	883	10.9	923	12.5	962	14.1	-	-	-	-	-	-	-	-	-	-
19602	2700	807	8.24	853	9.8	895	11.4	935	13.0	973	14.6	-	-	-	-	-	-	-	-	-	-
19965	2750	820	8.65	865	10.2	907	11.8	946	13.5	984	15.1	-	-	-	-	-	-	-	-	-	-
20328	2800	833	9.1	878	10.7	919	12.3	958	14.0	-	-	-	-	-	-	-	-	-	-	-	-
21054	2900	860	10.0	903	11.6	943	13.3	981	15.0	-	-	-	-	-	-	-	-	-	-	-	-
21417	2950	873	10.4	916	12.1	956	13.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21780	3000	886	10.9	929	12.6	968	14.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22143	3050	900	11.4	941	13.1	980	14.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22506	3100	913	11.9	954	13.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22869	3150	926	12.5	967	14.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23232	3200	940	13.0	980	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23958	3300	966	14.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance certified is for installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating (BHP) does not include transmission losses.



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UL STANDARD 705
 UL STANDARD 762
 UL STANDARD 793
 Optional - Must be specified



SOUND CHARACTERISTICS

CM 10

RPM	Sound Performance Sones / LwA (Inches w.g.)						
	0.5	1	1.5	2	2.5	3	3.5
1325	4.4 / 60.1	-	-	-	-	-	-
1500	5.7 / 64.2	-	-	-	-	-	-
1700	7.5 / 68.6	6.6 / 65.9	-	-	-	-	-
1875	9.5 / 72.1	8.2 / 69.5	-	-	-	-	-
2050	11.7 / 75.4	9.9 / 72.6	9.3 / 70.9	-	-	-	-
2250	14.4 / 78.7	12.2 / 76.0	11.4 / 74.6	11.1 / 73.2	-	-	-
2450	17.0 / 81.5	14.5 / 78.9	13.5 / 77.5	13.1 / 76.6	-	-	-
2625	19.1 / 83.5	17.1 / 81.5	15.7 / 80.0	15.0 / 79.1	14.6 / 78.1	-	-
2825	21 / 85.2	19.6 / 84.0	17.9 / 82.3	17.1 / 81.3	16.6 / 80.6	16.3 / 79.7	-
3000	23 / 86.7	22 / 85.9	19.8 / 84.1	19.0 / 83.2	18.4 / 82.5	18.1 / 81.8	18.1 / 81.2

CM 12

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
1025	4.7 / 60.7	-	-	-	-	-	-	-	-	-
1225	7.1 / 67.4	-	-	-	-	-	-	-	-	-
1450	10.2 / 73.3	8.8 / 70.4	-	-	-	-	-	-	-	-
1650	13.7 / 77.9	11.5 / 75.1	10.7 / 73.3	-	-	-	-	-	-	-
1850	17.6 / 81.9	14.8 / 79.2	13.7 / 77.5	13.1 / 76.3	-	-	-	-	-	-
2050	21 / 84.9	18.6 / 82.8	17.2 / 81.3	16.3 / 80.1	15.9 / 79.2	-	-	-	-	-
2275	25 / 88.0	24 / 86.8	21 / 85	20 / 84	19.6 / 83.1	19.3 / 82.4	-	-	-	-
2475	30 / 90.5	28 / 89.9	26 / 88.1	24 / 87.1	23 / 86.3	23 / 85.5	23 / 85	-	-	-
2700	34 / 92.8	34 / 92.6	31 / 91.3	29 / 90.0	28 / 89.3	27 / 88.6	26 / 87.9	26 / 87.5	26 / 87.2	-
2900	38 / 94.5	38 / 94.3	36 / 93.6	33 / 92.3	32 / 91.4	31 / 90.9	30 / 90.3	29 / 89.7	29 / 89.3	29 / 89.1

CM 14

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
900	4.8 / 60.6	-	-	-	-	-	-	-	-	-
1100	7.7 / 68.7	-	-	-	-	-	-	-	-	-
1300	10.8 / 74.4	9.4 / 71.7	-	-	-	-	-	-	-	-
1500	14.4 / 79.0	12.5 / 76.8	11.3 / 74.8	-	-	-	-	-	-	-
1700	18.4 / 82.9	16.5 / 81.2	15.0 / 79.7	13.9 / 78.2	-	-	-	-	-	-
1900	23 / 86.3	21 / 85.1	19.3 / 83.9	18.0 / 82.8	17.0 / 81.7	15.5 / 79.4	-	-	-	-
2100	27 / 89.4	25 / 88.4	24 / 87.5	23 / 86.7	22 / 85.9	21 / 85.2	19.4 / 83.9	-	-	-
2300	32 / 92.2	30 / 91.3	29 / 90.6	28 / 90.1	26 / 89.4	25 / 88.8	25 / 88.4	23 / 87.5	-	-
2500	37 / 94.2	35 / 93.5	33 / 92.9	32 / 92.4	31 / 91.8	30 / 91.2	29 / 90.7	28 / 90.3	27 / 89.7	26 / 88.7
2700	41 / 96.2	40 / 95.6	38 / 95.0	37 / 94.5	36 / 94.1	34 / 93.6	33 / 93.1	32 / 92.6	31 / 92.2	31 / 91.8

The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lwi(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for: Installation type B: free inlet hemispherical sone levels.



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CM 16

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
800	5.0 / 61.1	-	-	-	-	-	-	-	-	-
1000	8.6 / 70.3	-	-	-	-	-	-	-	-	-
1150	11.6 / 75.3	9.4 / 71.6	-	-	-	-	-	-	-	-
1300	15.2 / 79.7	12.4 / 76.4	10.7 / 73.7	-	-	-	-	-	-	-
1450	19.3 / 83.5	16.1 / 80.7	14.2 / 78.5	12.4 / 75.9	-	-	-	-	-	-
1625	24 / 87.0	21 / 85.0	18.6 / 83.0	17.1 / 81.5	15.3 / 79.3	-	-	-	-	-
1800	29 / 90.1	27 / 88.9	24 / 87.1	22 / 85.5	20 / 84.4	18.5 / 82.6	-	-	-	-
1950	34 / 92.6	32 / 92.0	29 / 90.1	26 / 88.8	25 / 87.6	23 / 86.7	21 / 85.1	20.0 / 83.4	-	-
2150	39 / 95.1	39 / 94.8	35 / 93.5	32 / 92.2	30 / 91.1	28 / 90.1	27 / 89.4	26 / 88.4	24 / 86.8	23 / 85.5
2300	44 / 96.7	43 / 96.5	40 / 95.7	37 / 94.4	35 / 93.4	33 / 92.4	31 / 91.6	30 / 91.0	29 / 90.2	27 / 88.8

CM 18

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
700	4.8 / 60.4	-	-	-	-	-	-	-	-	-
875	8.4 / 69.5	-	-	-	-	-	-	-	-	-
1025	12.3 / 75.4	9.5 / 71.5	-	-	-	-	-	-	-	-
1175	17.0 / 80.3	13.9 / 77.4	11.3 / 74.2	-	-	-	-	-	-	-
1350	23 / 85.2	19.9 / 83.2	16.9 / 80.7	14.6 / 78	14.4 / 76.9	-	-	-	-	-
1500	27 / 88.0	24 / 86.6	22 / 84.7	19.0 / 82.7	16.9 / 80.5	16.5 / 79.3	-	-	-	-
1650	31 / 90.4	29 / 89.6	26 / 88.1	24 / 86.5	21 / 84.8	19.4 / 83	18.4 / 81.4	-	-	-
1825	35 / 93.1	34 / 92.6	32 / 91.5	29 / 90.3	27 / 89.0	25 / 87.6	23 / 86.1	21 / 84.6	22 / 84.3	-
2000	42 / 95.8	40 / 95.4	39 / 94.7	36 / 93.7	34 / 92.7	32 / 91.6	30 / 90.5	28 / 89.2	26 / 88.0	25 / 86.7
2150	48 / 98.0	47 / 97.7	46 / 97.3	43 / 96.5	41 / 95.6	38 / 94.7	36 / 93.7	34 / 92.7	32 / 91.6	30 / 90.5

CM 20

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
650	5.6 / 62.7	-	-	-	-	-	-	-	-	-
775	8.4 / 69.7	-	-	-	-	-	-	-	-	-
900	12.0 / 75.3	9.3 / 71.1	-	-	-	-	-	-	-	-
1050	17.3 / 81	13.9 / 77.7	12.2 / 74.8	-	-	-	-	-	-	-
1175	22 / 85.0	18.4 / 82.1	16.5 / 80.2	14.9 / 77.8	-	-	-	-	-	-
1300	27 / 88.4	24 / 86.3	21 / 84.4	19.7 / 82.9	18.0 / 81	-	-	-	-	-
1450	33 / 91.5	31 / 90.2	27 / 88.3	25 / 87	24 / 85.9	22 / 84.6	20 / 82.6	-	-	-
1550	37 / 93.2	34 / 92.2	31 / 90.6	28 / 89.2	27 / 88.1	25 / 87.1	24 / 85.7	22 / 84.1	-	-
1700	42 / 95.6	40 / 94.8	37 / 93.6	34 / 92.3	32 / 91.3	30 / 90.4	29 / 89.4	28 / 88.5	26 / 86.9	-
1825	47 / 97.5	45 / 96.9	43 / 96.0	39 / 94.9	36 / 93.7	35 / 92.9	33 / 92.2	32 / 91.3	31 / 90.5	29 / 89.3

The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for: Installation type B: free inlet hemispherical sone levels.



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CM 22

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
575	5.7 / 62.7	-	-	-	-	-	-	-	-	-
700	9.0 / 70.3	-	-	-	-	-	-	-	-	-
825	13.1 / 76.4	10.6 / 72.9	-	-	-	-	-	-	-	-
950	18.1 / 81.5	14.9 / 78.4	13.4 / 76.1	-	-	-	-	-	-	-
1075	23 / 85.7	19.9 / 83.2	17.8 / 81.1	16.5 / 79.3	-	-	-	-	-	-
1225	30 / 89.7	27 / 88.2	24 / 86.4	22 / 84.9	21 / 83.3	19.8 / 82.1	-	-	-	-
1350	35 / 92.6	34 / 91.7	31 / 90.2	28 / 88.9	26 / 87.6	25 / 86.2	24 / 85.0	-	-	-
1475	40 / 94.8	39 / 94.4	36 / 93.2	34 / 91.9	32 / 90.9	30 / 89.8	28 / 88.7	27 / 87.7	26 / 86.9	-
1600	46 / 96.9	45 / 96.7	42 / 95.8	40 / 94.7	37 / 93.7	35 / 92.8	33 / 91.9	32 / 91.0	31 / 90.2	30 / 89.4
1725	51 / 98.9	50 / 98.7	49 / 98.2	46 / 97.3	43 / 96.4	41 / 95.6	39 / 94.8	37 / 94.0	36 / 93.3	35 / 92.6

CM 24

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
500	5.2 / 61.9	-	-	-	-	-	-	-	-	-
625	9.5 / 71.7	-	-	-	-	-	-	-	-	-
725	13.4 / 77.1	10.2 / 72.8	-	-	-	-	-	-	-	-
825	17.6 / 81.4	14.3 / 78.4	12.1 / 75.2	-	-	-	-	-	-	-
950	23 / 85.9	20.0 / 84.0	17.4 / 81.4	15.5 / 79.2	-	-	-	-	-	-
1050	28 / 88.9	25 / 87.5	22 / 85.7	19.9 / 83.6	18.4 / 81.9	16.4 / 79.1	-	-	-	-
1175	34 / 92.1	32 / 91.4	29 / 90.1	26 / 88.5	24 / 86.8	23 / 85.5	20 / 83.2	-	-	-
1275	39 / 94.4	39 / 94.1	35 / 92.9	32 / 91.8	30 / 90.3	28 / 89.0	26 / 87.9	24 / 86.0	-	-
1400	45 / 96.8	45 / 96.5	42 / 95.8	39 / 94.9	36 / 93.9	34 / 92.7	32 / 91.5	30 / 90.6	29 / 89.7	26 / 87.6
1500	50 / 98.6	50 / 98.3	48 / 97.9	45 / 97.1	42 / 96.4	40 / 95.4	37 / 94.4	35 / 93.3	34 / 92.5	33 / 91.7

CM 27

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
450	5.6 / 62.1	-	-	-	-	-	-	-	-	-
550	9.4 / 71.0	-	-	-	-	-	-	-	-	-
650	14.0 / 77.5	10.8 / 73.1	-	-	-	-	-	-	-	-
750	18.9 / 82.5	15.6 / 79.4	12.9 / 75.9	-	-	-	-	-	-	-
825	22 / 85.4	19.4 / 83.2	16.7 / 80.5	14.4 / 77.5	-	-	-	-	-	-
925	27 / 88.7	25 / 87.4	22 / 85.5	19.6 / 83.2	17.5 / 80.8	-	-	-	-	-
1025	32 / 91.6	31 / 91.0	28 / 89.5	25 / 87.9	23 / 86.0	21 / 83.9	19.8 / 82.5	-	-	-
1100	36 / 93.6	36 / 93.3	33 / 92.1	30 / 90.8	28 / 89.3	25 / 87.6	23 / 85.8	22 / 84.5	-	-
1200	42 / 96.1	42 / 95.8	40 / 95.2	37 / 94.2	34 / 93.1	32 / 91.8	29 / 90.3	27 / 88.7	26 / 87.5	-
1300	48 / 98.2	47 / 98.0	47 / 97.7	44 / 96.9	41 / 96.0	39 / 95.0	36 / 93.9	34 / 92.7	31 / 91.3	30 / 90.1

The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lwi(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for: Installation type B: free inlet hemispherical sone levels.



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CM 30

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
400	5.6 / 62.2	-	-	-	-	-	-	-	-	-
475	8.8 / 69.9	-	-	-	-	-	-	-	-	-
550	12.7 / 75.7	9.5 / 70.8	-	-	-	-	-	-	-	-
625	16.8 / 80.4	13.3 / 76.5	11.1 / 73.1	-	-	-	-	-	-	-
700	21 / 84.2	17.6 / 81.3	14.9 / 78.3	13.5 / 76	-	-	-	-	-	-
775	26 / 87.5	22 / 85.3	19.4 / 82.8	17.2 / 80.5	16.3 / 78.9	-	-	-	-	-
875	32 / 91.2	29 / 89.8	26 / 87.9	23 / 86.0	21 / 84.1	20 / 82.8	-	-	-	-
950	38 / 93.7	35 / 92.7	32 / 91.1	29 / 89.5	26 / 87.8	24 / 86.3	23 / 85.2	-	-	-
1025	43 / 96.0	41 / 95.1	38 / 93.9	34 / 92.6	32 / 91.1	29 / 89.7	28 / 88.4	27 / 87.4	27 / 87.4	-
1100	49 / 97.9	46 / 97.1	44 / 96.2	40 / 95.1	37 / 93.9	35 / 92.7	32 / 91.4	31 / 90.3	29 / 89.3	29 / 89.0

CM 36

RPM	Sound Performance Sones / LwA (Inches w.g.)									
	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
350	5.6 / 61.6	-	-	-	-	-	-	-	-	-
425	9.1 / 69.9	-	-	-	-	-	-	-	-	-
500	13.7 / 76.6	10.4 / 72.0	-	-	-	-	-	-	-	-
575	19.8 / 82.1	16.0 / 78.3	13.1 / 75.0	-	-	-	-	-	-	-
650	26 / 86.4	22 / 83.4	19.3 / 81.1	16.8 / 78.3	-	-	-	-	-	-
725	32 / 89.8	28 / 87.7	25 / 85.5	22 / 83.5	20.0 / 81.3	-	-	-	-	-
800	37 / 92.6	34 / 91.2	30 / 89.1	28 / 87.6	25 / 85.9	23 / 84.0	23 / 83.1	-	-	-
875	43 / 95.2	40 / 94.2	37 / 92.5	33 / 90.9	31 / 89.7	29 / 88.2	26 / 86.6	26 / 85.4	-	-
950	49 / 97.6	47 / 96.7	44 / 95.6	40 / 94.1	37 / 93.0	35 / 91.9	33 / 90.7	30 / 89.3	30 / 88.2	30 / 87.7
1025	56 / 99.9	54 / 99.2	51 / 98.4	48 / 97.2	44 / 96.0	42 / 95.1	40 / 94.2	37 / 93.1	35 / 91.9	34 / 90.9

The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lwi(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for: Installation type B: free inlet hemispherical sone levels.

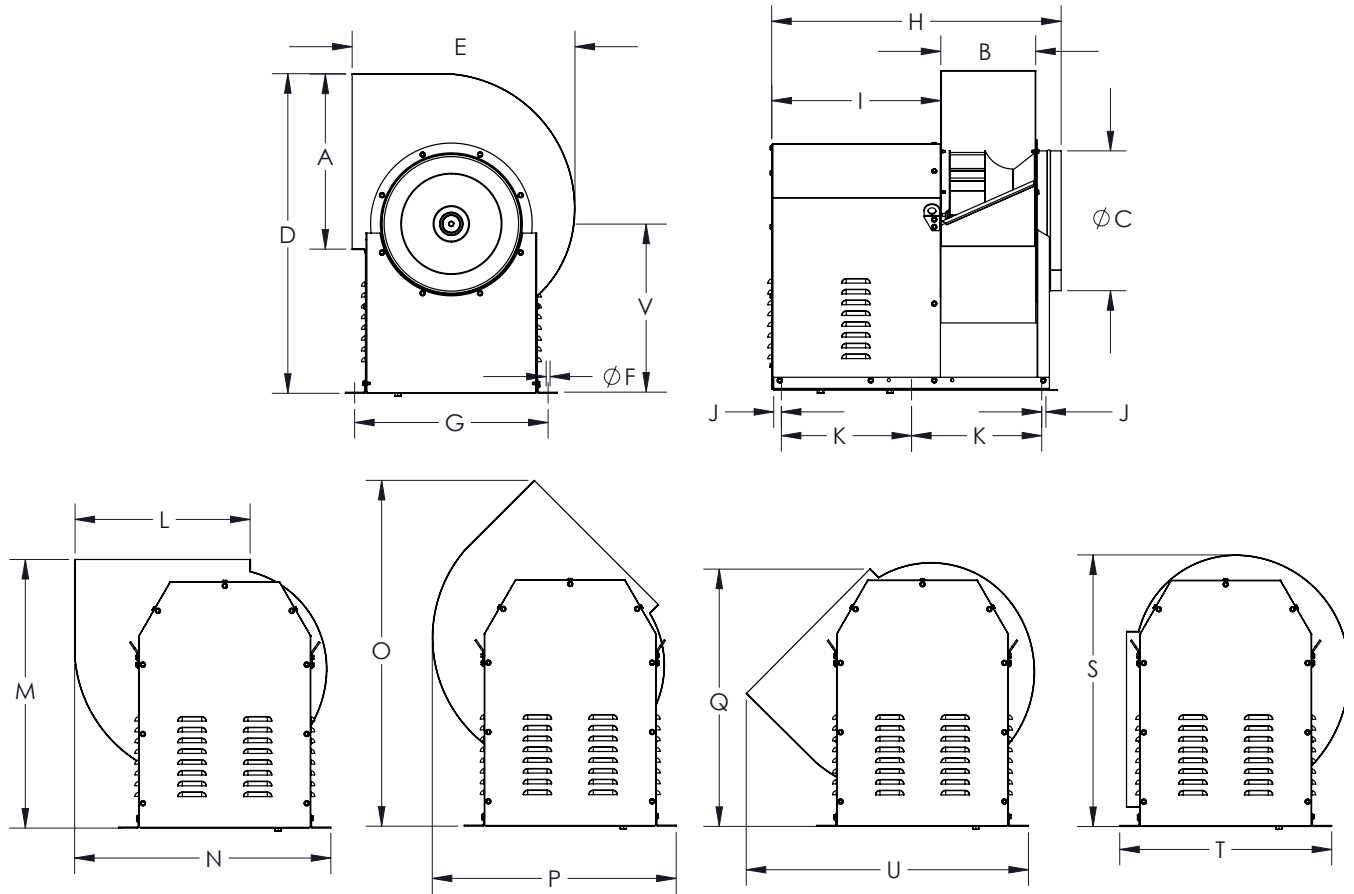


S&P Canada Ventilation Products, Inc., Div. of Soler & Palau Ventilation Group certifies that the Models CM shown herein are licensed to bear the AMCA Seal (except CM10). The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



MODEL CM

Dimensional Data

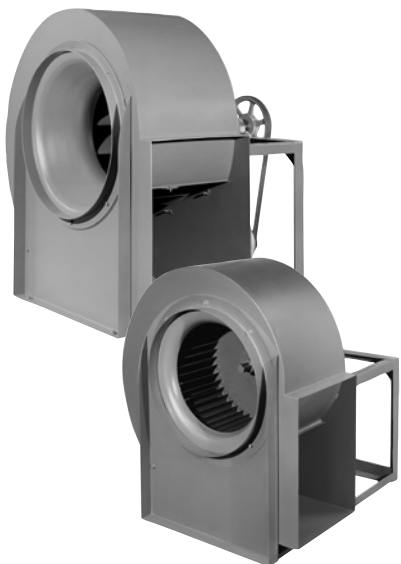


Model	A	B	C	D	E	F	G	H	I	J	K
10	12 5/8	7 1/16	9 13/16	23 7/8	17 3/16	1/2	16 7/8	25 3/8	15 1/2	1	10 13/16
12	15 7/8	8 3/4	12 3/8	29 3/16	21 3/8	1/2	19 5/8	28 11/16	17 1/16	1	12 1/2
14	17 7/8	9 3/4	14	32 3/4	22 3/4	1/2	19 5/8	30 3/4	17 13/16	1	13 5/16
16	19 15/16	10 13/16	15 3/4	36 3/4	25 1/4	1/2	21 7/8	31 9/16	17 15/16	1	13 7/8
18	22 3/8	12 1/8	17 11/16	40 7/8	28 7/16	1/2	24 3/4	36 15/16	21 9/16	1	16 5/8
20	25 1/8	13 9/16	19 11/16	44 7/8	31 5/16	1/2	27 7/16	38 7/16	21 9/16	1	17 7/16
22	28 1/8	15 3/16	22 1/16	49 3/8	34 15/16	1/2	29 7/8	40 1/8	21 5/8	1	18 1/4
24	31 1/2	17 1/16	24 13/16	57 1/8	39 1/8	1/2	33 1/4	41 15/16	21 5/8	1	19 1/8
27	35 3/8	18 7/8	27 15/16	59	44	1/2	35 1/8	50 1/8	27 1/8	2	19 13/16
30	39 5/8	21	31 1/2	64	49 1/4	1/2	39 7/16	53 13/16	28 11/16	2	23 5/8
36	44 1/2	23 7/16	35 7/16	71 7/8	55 1/4	1/2	44 5/8	54 15/16	27 5/16	2	24 3/16

Model	L	M	N	O	P	Q	S	T	U	V
10	12-3/4	21-5/8	20	25-7/8	19-3/8	21-5/8	20-3/8	18-7/8	22-7/8	13-1/4
12	16	26	24-1/4	32-1/2	23-1/8	24-3/4	24-7/8	21-7/8	27-1/2	15-3/4
14	18	28	25-7/8	35-5/8	24-5/8	27	28-1/4	23-1/4	29-3/8	17-11/16
16	20	31-1/8	29-1/4	39-7/8	27-5/8	29-7/8	31-3/8	26	32-1/4	19-11/16
18	22-1/2	34-3/8	32-3/4	44-1/8	38-1/4	33-3/4	34-3/4	29-1/4	36-7/8	21-5/8
20	25-1/4	37-1/2	36-1/8	48-3/8	34-1/4	37-1/8	38-1/8	32-3/8	40-1/2	23-5/8
22	28-1/4	41	40-1/8	53-1/4	37-3/4	40-3/4	42	35-3/4	45-3/8	25-9/16
24	31-5/8	45-7/8	44-5/8	59-3/4	42-1/8	45-1/2	47	39-7/8	50-3/4	30-1/4
27	35-1/2	55-5/8	50-5/8	71-1/2	46-1/8	54-7/8	57-1/4	44	57-1/2	28-3/4
30	39-3/4	62-3/8	57-1/8	80-1/8	51-1/4	62-1/2	63-1/4	49-1/4	61-1/4	30
36	44-3/4	70-1/2	64-3/8	89-3/4	57-1/2	70-5/8	70-5/8	55-1/4	72-3/8	33-1/2

MODELS B & FCB

BELT DRIVEN UTILITY VENT SETS



MODEL FEATURES

- Exhaust air to over 32,000 CFM with static pressure capabilities up to 8.5" w.g.
- Belt drives permit easy performance adjustments when needed
- Backward inclined or forward curved type wheels
- Airtight all welded construction
- Rotatable to 8 discharge orientations
- AMCA Seal for Air Performance
- cULus 705 and 762 Listings available

MODEL OPTIONS

MODEL NAME	TYPICAL APPLICATIONS	
B	Backward Inclined wheels	page 33
FCB	Forward Curved Wheel	page 49

MODEL OVERVIEW

ULTRAFAN-PAK fan wheels are the versatile, quiet, energy efficient backward inclined and forward curved type. Models B (backward inclined) and FCB (forward curved) utility sets are the best selection for many industrial, commercial and institutional projects. Typical applications include hood exhaust, welding fume exhaust and flammable gas exhaust. Ventilation of theaters, restaurants, stores, hotels, kitchens, gymnasiums, laundry rooms, lavatories and locker rooms are other common applications for utility sets.

ULTRAFAN-PAK fans by S&P are available in 13 sizes with wheel diameters from 7-3/4" through 36-1/2". Wheel diameters are readily recognized from the model number. For example Model B 10 has a 10-1/2" diameter wheel and Model B 330 has a 33" diameter wheel. ULTRAFAN-PAK Class I fans deliver up to 26,000 cubic feet of air per minute (CFM) at static pressures (SP) up to 5" W.G. Class II fans deliver up to 32,000 CFM at SP up to 8.5" W.G.

For small or medium size general ventilation applications ULTRAFAN-PAK utility sets are the ideal choice. These easy to select, easy to install fans come prepackaged from the factory. Each self-contained unit includes the motor and adjustable drive as well as the fan assembly.

1 year fan housing warranty, 1 year motor warranty



CONSTRUCTION/SPECIFICATIONS

Wheels

Flat Blade Wheel—backwardly inclined non-overloading wheels standard on sizes 105 thru 245.

Airfoil Wheel—backward curved airfoil wheels standard on sizes 270 thru 365. All wheels are statically and dynamically balanced.

Inlet

Circular stamped ring. Rigid streamlined inlet.

Frame

All welded steel construction. Easy access to motor for servicing.

Housing

All are convertible and may be rotated easily to any of eight 45° positions.

Motor Base

Heavy construction assures sturdy base for motor mounting and features easy adjustment for belt tension.

Bearings

Self-aligning ball bearing pillow blocks. These bearings are designed to operate under the most severe atmospheric conditions.

Shaft

Ground and polished solid steel key-wayed on each end.

Motor

Commercial standard Fan and Blower duty motors are job-matched to each requirement. All types of current characteristics, enclosures and bearing construction are available. Adjustable V-Belt Drive High quality CAST Iron adjustable pitch motor sheaves are standard equipment. V-Belts with ample service factor are also employed. When performance data is specified, the blowers are factory set to exact blower speed to meet job requirements. Constant speed drives are also available.

Material Specifications Class 1 & 2

FAN SIZE	WHEEL DIAMETER	SHAFT DIAMETER		HOUSING GAUGES		NO. OF BLADES	WHEEL GAUGES				FRAME GAUGES	
		CLASS 1	CLASS 2	BAND	FACE		NO. OF BLADES	BLADES			DRIVE	INLET
								BACK PLATE	CLASS 1	CLASS 2		
105	10 ^{1/2}	3/4	1	20	16	12	10	12	10	14	16	—
122	12 ^{1/4}	1	1 ^{3/16}	16	16	12	3/16	12	3/16	14	14	16
135	13 ^{1/2}	1	1 ^{3/16}	16	14	12	3/16	12	3/16	14	14	16
150	15	1	1 ^{3/16}	16	14	12	3/16	12	3/16	14	14	16
165	16 ^{1/2}	1	1 ^{3/16}	16	14	12	3/16	10	3/16	14	14	16
182	18 ^{1/4}	13/16	1 ^{7/16}	16	14	12	3/16	10	3/16	14	14	14
200	20	13/16	1 ^{7/16}	14	14	12	3/16	3/16	3/16	14	12	14
222	22 ^{1/4}	13/16	1 ^{11/16}	14	12	12	3/16	3/16	10	14	12	14
245	24 ^{1/2}	17/16	1 ^{11/16}	14	12	12	3/16	3/16	10	14	12	12
270	27	17/16	1 ^{11/16}	14	12	11	3/16	16	16	14	12	12
300	30	1 ^{11/16}	1 ^{11/16}	14	12	11	3/16	16	16	14	12	12
330	33	1 ^{11/16}	1 ^{11/16}	14	12	11	1/4	16	16	14	10	10
365	36 ^{1/2}	1 ^{11/16}	2 ^{3/16}	12	10	11	1/4	16	16	14	10	10



Performance Characteristics

B-105

TIP SPEED (FPM) = 2.749 x RPM OUTLET { .636 Sq. Ft. Inside
113/4" x 8" Outside

MAX. HP = .0387 $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER—101/2" INLET { .894 Sq. Ft. Inside
127/8" Dia. Outside

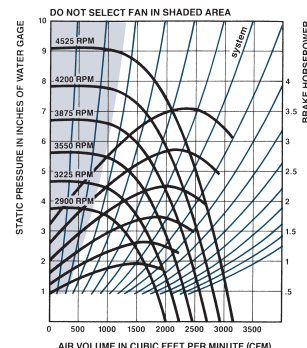
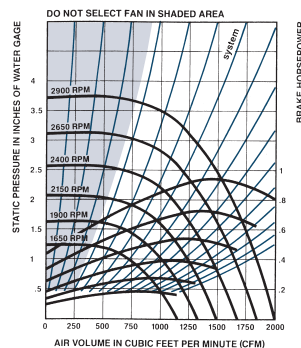
MAX. RPM
CL.1 3623
CL.2 4724

VOL. CFM	OUT-LET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
509	800	965	0.03	1177	0.06	1369	0.09	1545	0.13	1709	0.16	—	—	—	—	—	—	—	—	—	—
572	900	1034	0.04	1227	0.07	1407	0.10	1574	0.14	1729	0.18	1876	0.22	—	—	—	—	—	—	—	—
363	1000	1106	0.05	1283	0.08	1451	0.11	1609	0.15	1757	0.19	1898	0.23	2159	0.33	—	—	—	—	—	—
700	1100	1183	0.06	1345	0.09	1502	0.13	1651	0.17	1792	0.21	1926	0.25	2178	0.35	2412	0.46	—	—	—	—
763	1200	1261	0.07	1411	0.11	1557	0.14	1698	0.18	1832	0.23	1961	0.27	2204	0.37	2429	0.48	2641	0.60	—	—
827	1300	1342	0.09	1481	0.12	1618	0.16	1750	0.20	1878	0.25	2001	0.29	2234	0.40	2452	0.51	2658	0.62	2853	0.75
890	1400	1425	0.10	1554	0.14	1682	0.18	1807	0.23	1928	0.27	2046	0.32	2270	0.42	2481	0.54	2680	0.66	2870	0.79
954	1500	1509	0.12	1629	0.16	1749	0.20	1867	0.25	1982	0.30	2095	0.35	2310	0.45	2514	0.57	2707	0.69	2892	0.82
1018	1600	1594	0.14	1707	0.18	1820	0.23	1931	0.28	2040	0.33	2148	0.38	2354	0.49	2551	0.60	2739	0.73	2919	0.86
1081	1700	1681	0.17	1786	0.21	1892	0.25	1998	0.30	2102	0.36	2204	0.41	2403	0.52	2593	0.64	2774	0.77	2949	0.91
1145	1800	1768	0.19	1867	0.23	1967	0.28	2067	0.34	2166	0.39	2264	0.45	2454	0.56	2637	0.68	2814	0.82	2983	0.95
1208	1900	1865	0.22	1949	0.27	2044	0.32	2139	0.37	2233	0.43	2326	0.48	2509	0.60	2686	0.73	2857	0.86	3021	1.00
1272	2000	1945	0.25	2032	0.30	2122	0.35	2213	0.41	2302	0.46	2391	0.52	2567	0.65	2737	0.78	2903	0.91	3063	1.06
1336	2100	2033	0.29	2116	0.34	2202	0.39	2288	0.45	2374	0.51	2459	0.57	2627	0.70	2792	0.83	2952	0.97	3107	1.12
1399	2200	2121	0.33	2201	0.38	2283	0.43	2365	0.49	2447	0.55	2529	0.61	2690	0.75	2849	0.89	3003	1.03	3154	1.18
1463	2300	2210	0.37	2287	0.42	2365	0.47	2443	0.53	2522	0.60	2600	0.66	2755	0.80	2908	0.94	3058	1.09	3204	1.24
1526	2400	2298	0.41	2373	0.47	2447	0.52	2523	0.58	2598	0.65	2673	0.72	2822	0.86	2970	1.01	3115	1.16	3257	1.31
1654	2600	2475	0.51	2548	0.57	2615	0.63	2685	0.70	2754	0.76	2824	0.84	2962	0.98	3099	1.14	3235	1.30	3369	1.46
1781	2800	2655	0.63	2725	0.70	2786	0.76	2850	0.82	2915	0.90	2979	0.97	3108	1.13	3236	1.29	3363	1.46	3489	1.63
1908	3000	2841	0.77	2902	0.84	2960	0.90	3018	0.97	3078	1.05	3138	1.12	3259	1.28	3379	1.46	3498	1.63	3617	1.81
2035	3200	3027	0.93	3078	0.99	3135	1.07	3189	1.14	3244	1.21	3301	1.29	3414	1.46	3527	1.64	3639	1.82	3751	2.01
2162	3400	3200	1.09	3255	1.17	3311	1.25	3362	1.32	3413	1.40	3466	1.49	3573	1.66	3679	1.84	3785	2.04	3890	2.23

VOL. CFM	OUT-LET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1208	1900	3181	1.15	3335	1.31	3485	1.47	3630	1.63	3772	1.81	3910	1.98	4045	2.17	4176	2.36	—	—	—	—
1272	2000	3218	1.21	3368	1.36	3515	1.53	3657	1.70	3796	1.87	3931	2.05	4063	2.24	4192	2.43	4319	2.63	4443	2.83
1336	2100	3258	1.27	3405	1.43	3548	1.59	3687	1.76	3823	1.94	3955	2.12	4085	2.31	4212	2.50	4336	2.70	4458	2.91
1399	2200	3301	1.33	3444	1.50	3584	1.66	3720	1.84	3853	2.01	3983	2.20	4110	2.39	4235	2.58	4357	2.78	4477	2.99
1463	2300	3347	1.40	3487	1.57	3623	1.74	3756	1.91	3886	2.09	4013	2.28	4138	2.47	4261	2.67	4380	2.87	4498	3.08
1526	2400	3396	1.47	3532	1.64	3665	1.81	3795	1.99	3922	2.18	4047	2.37	4169	2.56	4289	2.76	4407	2.96	4523	3.17
1654	2600	3500	1.63	3629	1.81	3756	1.98	3880	2.17	4002	2.36	4122	2.55	4239	2.75	4355	2.96	4468	3.16	4580	3.38
1781	2800	3613	1.81	3736	1.99	3856	2.17	3975	2.36	4091	2.56	4206	2.76	4319	2.96	4430	3.17	4540	3.39	4647	3.60
1908	3000	3734	2.00	3850	2.19	3965	2.38	4078	2.58	4189	2.78	4299	2.98	4408	3.19	4515	3.41	4620	3.63	4724	3.85
2035	3200	3862	2.21	3972	2.41	4081	2.61	4189	2.81	4295	3.02	4401	3.23	4505	3.45	4607	3.67	4709	3.89	—	—
2162	3400	3995	2.44	4100	2.64	4204	2.85	4306	3.06	4408	3.28	4509	3.50	4609	3.72	4708	3.95	—	—	—	—
2290	3600	4134	2.68	4234	2.90	4332	3.12	4430	3.34	4528	3.56	4624	3.79	4720	4.02	—	—	—	—	—	—
2417	3800	4278	2.95	4372	3.18	4466	3.40	4560	3.63	4653	3.87	—	—	—	—	—	—	—	—	—	—
2544	4000	4425	3.24	4515	3.48	4605	3.71	4694	3.95	—	—	—	—	—	—	—	—	—	—	—	—
2671	4200	4576	3.56	4662	3.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





MODEL B
BELT DRIVEN UTILITY VENT SET-BACKWARD INCLINED



Performance B-165

TIP SPEED (FPM) = 4.320 x RPM OUTLET { 1.560 Sq. Ft. Inside
173/4" x 13" Outside MAX. HP = .4142 $\left(\frac{RPM}{1000}\right)^3$

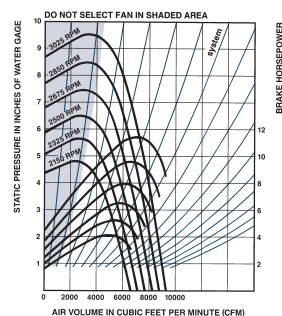
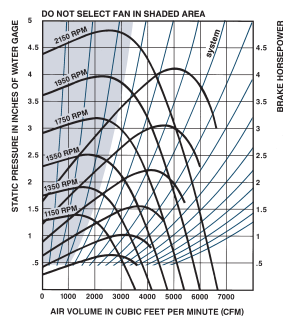
WHEEL DIAMETER—161/2" INLET { 1.67 Sq. Ft. Inside
177/8" Dia. Outside MAX. RPM
CL.1 2235
CL.2 2914

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1248	800	573	0.08	719	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1404	900	609	0.09	742	0.16	867	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1560	1000	648	0.11	769	0.18	885	0.26	995	0.36	—	—	—	—	—	—	—	—	—	—	—	—
1716	1100	688	0.13	800	0.21	908	0.29	1011	0.38	1111	0.51	—	—	—	—	—	—	—	—	—	—
1872	1200	730	0.16	835	0.24	934	0.33	1031	0.42	1125	0.53	1216	0.67	—	—	—	—	—	—	—	—
2028	1300	773	0.18	871	0.27	965	0.37	1056	0.46	1144	0.56	1230	0.69	—	—	—	—	—	—	—	—
2184	1400	817	0.21	910	0.31	998	0.41	1083	0.51	1167	0.61	1248	0.73	1406	1.03	—	—	—	—	—	—
2340	1500	861	0.25	950	0.35	1033	0.45	1114	0.56	1193	0.67	1270	0.78	1420	1.06	—	—	—	—	—	—
2496	1600	906	0.28	992	0.40	1070	0.50	1146	0.62	1221	0.73	1295	0.85	1438	1.11	1576	1.45	—	—	—	—
2652	1700	952	0.32	1034	0.45	1109	0.56	1181	0.68	1252	0.80	1322	0.93	1459	1.18	1592	1.49	1720	1.88	—	—
2808	1800	999	0.37	1077	0.50	1149	0.62	1218	0.74	1286	0.87	1352	1.00	1483	1.27	1610	1.56	1734	1.92	—	—
2964	1900	1046	0.42	1120	0.56	1190	0.68	1256	0.81	1321	0.94	1384	1.08	1509	1.36	1631	1.65	1750	1.98	1866	2.40
3120	2000	1094	0.47	1164	0.62	1231	0.76	1295	0.89	1357	1.02	1418	1.17	1538	1.46	1655	1.75	1770	2.07	1882	2.46
3276	2100	1142	0.53	1208	0.69	1274	0.83	1335	0.97	1395	1.11	1453	1.26	1568	1.57	1681	1.87	1791	2.19	1900	2.54
3432	2200	1190	0.60	1253	0.76	1317	0.91	1376	1.06	1434	1.20	1490	1.35	1600	1.67	1709	2.00	1815	2.32	1920	2.66
3588	2300	1238	0.67	1299	0.83	1360	1.00	1418	1.16	1474	1.30	1528	1.46	1634	1.79	1738	2.13	1841	2.46	1942	2.80
3744	2400	1286	0.74	1345	0.91	1403	1.09	1460	1.26	1514	1.41	1567	1.57	1669	1.90	1770	2.26	1869	2.61	1967	2.96
4056	2600	1383	0.91	1438	1.10	1492	1.29	1546	1.48	1597	1.65	1647	1.82	1743	2.16	1837	2.54	1929	2.92	2021	3.30
4368	2800	1481	1.10	1533	1.31	1583	1.51	1633	1.72	1682	1.91	1730	2.10	1821	2.46	1909	2.84	1996	3.25	2081	3.67
4680	3000	1582	1.33	1629	1.55	1675	1.76	1722	1.98	1769	2.20	1814	2.41	1901	2.79	1984	3.19	2066	3.61	2147	4.05
4992	3200	1682	1.59	1726	1.81	1769	2.04	1812	2.27	1857	2.51	1900	2.74	1983	3.16	2063	3.58	2141	4.01	2217	4.46
5304	3400	1776	1.84	1822	2.11	1864	2.35	1904	2.59	1946	2.85	1987	3.10	2068	3.57	2144	4.01	2218	4.45	2291	4.91

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3276	2100	2005	2.97	2109	3.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3432	2200	2022	3.06	2123	3.53	2221	4.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3588	2300	2042	3.18	2139	3.61	2235	4.12	2329	4.67	—	—	—	—	—	—	—	—	—	—	—	—
3744	2400	2063	3.33	2158	3.73	2251	4.21	2342	4.74	2432	5.33	—	—	—	—	—	—	—	—	—	—
4056	2600	2111	3.68	2200	4.07	2288	4.49	2375	4.96	2461	5.49	2545	6.08	2628	6.72	—	—	—	—	—	—
4368	2800	2166	4.08	2250	4.48	2334	4.90	2416	5.33	2497	5.80	2577	6.33	2656	6.91	2735	7.54	2812	8.22	—	—
4680	3000	2227	4.50	2307	4.94	2385	5.37	2463	5.81	2540	6.26	2617	6.74	2692	7.26	2767	7.83	2841	8.45	2914	9.13
4992	3200	2293	4.93	2368	5.41	2443	5.88	2517	6.34	2590	6.81	2663	7.28	2735	7.77	2806	8.29	2877	8.85	—	—
5304	3400	2363	5.40	2434	5.90	2505	6.41	2575	6.91	2645	7.40	2714	7.90	2783	8.39	2851	8.90	—	—	—	—
5616	3600	2436	5.91	2504	6.43	2571	6.96	2638	7.49	2705	8.02	2771	8.55	2836	9.07	2901	9.59	—	—	—	—
5928	3800	2512	6.47	2577	7.00	2641	7.54	2705	8.10	2768	8.67	2831	9.23	2894	9.79	—	—	—	—	—	—
6240	4000	2591	7.09	2653	7.62	2714	8.18	2775	8.75	2836	9.34	2896	9.93	—	—	—	—	—	—	—	—
6552	4200	2671	7.75	2731	8.30	2790	8.87	2848	9.45	2907	10.05	—	—	—	—	—	—	—	—	—	—
6864	4400	2753	8.47	2811	9.04	2868	9.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7176	4600	2836	9.24	2892	9.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





Performance B-182

TIP SPEED (FPM) = 4.778 x RPM **OUTLET** { 1.899 Sq. Ft. Inside
195/8" x 141/4" Outside MAX. HP = .6444 $\left(\frac{\text{RPM}}{1000}\right)^3$

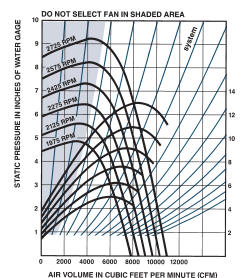
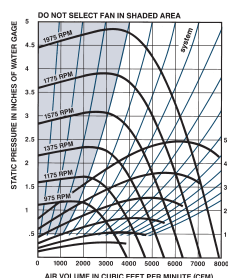
WHEEL DIAMETER—181/4" **INLET** { 2.02 Sq. Ft. Inside
195/8" Dia. Outside MAX. RPM
CL.1 2044
CL.2 2666

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1519	800	527	0.09	658	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1709	900	562	0.11	679	0.19	793	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1899	1000	599	0.14	705	0.22	809	0.31	911	0.42	—	—	—	—	—	—	—	—	—	—	—	—
2089	1100	638	0.16	736	0.25	831	0.35	925	0.46	1016	0.59	—	—	—	—	—	—	—	—	—	—
2279	1200	677	0.19	769	0.29	857	0.39	944	0.50	1029	0.63	1113	0.77	—	—	—	—	—	—	—	—
2469	1300	718	0.23	805	0.33	886	0.44	967	0.55	1047	0.68	1125	0.82	—	—	—	—	—	—	—	—
2659	1400	759	0.27	842	0.38	918	0.49	993	0.61	1068	0.74	1142	0.88	1286	1.19	—	—	—	—	—	—
2849	1500	801	0.31	880	0.43	952	0.55	1023	0.67	1093	0.81	1163	0.95	1299	1.26	1432	1.62	—	—	—	—
3038	1600	844	0.36	919	0.49	988	0.62	1055	0.74	1121	0.88	1186	1.02	1316	1.34	1442	1.70	—	—	—	—
3228	1700	888	0.42	959	0.55	1026	0.69	1089	0.82	1151	0.96	1213	1.11	1335	1.43	1456	1.79	1574	2.18	—	—
3418	1800	933	0.48	1000	0.62	1064	0.76	1124	0.91	1183	1.05	1242	1.20	1358	1.53	1473	1.89	1586	2.28	1697	2.70
3608	1900	978	0.55	1040	0.69	1103	0.85	1161	1.00	1217	1.15	1273	1.30	1383	1.63	1493	2.00	1601	2.39	1707	2.82
3798	2000	1023	0.63	1082	0.77	1142	0.94	1198	1.09	1252	1.25	1305	1.41	1411	1.75	1515	2.12	1619	2.52	1721	2.94
3988	2100	1068	0.71	1124	0.86	1182	1.03	1237	1.20	1289	1.36	1340	1.53	1440	1.88	1540	2.25	1639	2.65	1738	3.08
4178	2200	1114	0.80	1167	0.96	1222	1.13	1275	1.31	1326	1.49	1375	1.66	1471	2.01	1567	2.39	1662	2.80	1756	3.23
4368	2300	1159	0.90	1210	1.06	1263	1.24	1315	1.43	1364	1.61	1411	1.79	1504	2.16	1596	2.54	1687	2.95	1778	3.39
4558	2400	1204	1.01	1254	1.18	1305	1.36	1355	1.56	1403	1.75	1449	1.94	1538	2.32	1626	2.71	1714	3.12	1801	3.57
4937	2600	1296	1.25	1344	1.44	1389	1.62	1436	1.83	1481	2.04	1525	2.25	1609	2.66	1691	3.07	1772	3.50	1853	3.95
5317	2800	1388	1.53	1434	1.74	1475	1.93	1518	2.14	1562	2.37	1604	2.60	1684	3.04	1761	3.48	1837	3.93	1912	4.39
5697	3000	1481	1.85	1525	2.07	1563	2.28	1603	2.49	1643	2.73	1684	2.98	1760	3.46	1834	3.93	1905	4.40	1976	4.89
6077	3200	1573	2.20	1615	2.45	1653	2.67	1689	2.90	1727	3.14	1765	3.40	1839	3.92	1909	4.42	1977	4.93	2044	5.43
6457	3400	1669	2.63	1706	2.87	1743	3.12	1777	3.35	1811	3.60	1847	3.86	1918	4.41	1986	4.96	2051	5.50	2115	6.03

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3988	2100	1834	3.54	1930	4.03	2023	4.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4178	2200	1850	3.69	1942	4.18	2033	4.69	2122	5.23	—	—	—	—	—	—	—	—	—	—	—	—
4368	2300	1868	3.86	1957	4.35	2044	4.86	2131	5.40	2216	5.97	—	—	—	—	—	—	—	—	—	—
4558	2400	1888	4.04	1974	4.53	2059	5.04	2143	5.58	2226	6.15	2307	6.74	—	—	—	—	—	—	—	—
4937	2600	1934	4.43	2014	4.93	2094	5.45	2172	6.00	2251	6.57	2328	7.15	2405	7.77	2480	8.40	—	—	—	—
5317	2800	1987	4.88	2062	5.39	2136	5.92	2211	6.47	2284	7.04	2357	7.64	2430	8.25	2502	8.89	2573	9.54	2643	10.22
5697	3000	2046	5.38	2116	5.90	2186	6.44	2256	7.00	2325	7.58	2394	8.19	2463	8.81	2531	9.44	2599	10.10	2666	10.78
6077	3200	2110	5.95	2176	6.48	2241	7.03	2307	7.60	2372	8.19	2438	8.80	2503	9.42	2567	10.07	2631	10.73	—	—
6457	3400	2177	6.57	2240	7.12	2302	7.68	2364	8.26	2425	8.86	2487	9.48	2548	10.11	2610	10.77	—	—	—	—
6836	3600	2248	7.24	2307	7.81	2366	8.39	2425	8.99	2483	9.60	2542	10.23	2600	10.87	2658	11.53	—	—	—	—
7216	3800	2321	7.98	2378	8.57	2434	9.17	2490	9.79	2545	10.41	2601	11.05	2656	11.70	—	—	—	—	—	—
7596	4000	2396	8.76	2451	9.39	2504	10.02	2558	10.65	2611	11.29	2664	11.94	—	—	—	—	—	—	—	—
7976	4200	2473	9.60	2526	10.26	2577	10.92	2628	11.58	—	—	—	—	—	—	—	—	—	—	—	—
8356	4400	2551	10.49	2602	11.19	2652	11.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8735	4600	2630	11.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers
 Class II Blowers





MODEL B
BELT DRIVEN UTILITY VENT SET-BACKWARD INCLINED



Performance B-200

TIP SPEED (FPM) = 5.236 x RPM OUTLET { 2.318 Sq. Ft. Inside
211/2" x 157/8" Outside MAX. HP = 1.0139 $\left(\frac{\text{RPM}}{1000}\right)^3$

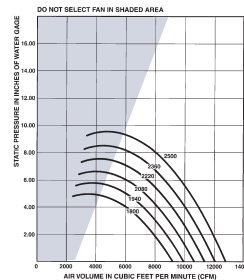
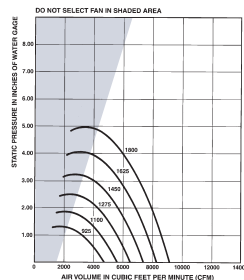
WHEEL DIAMETER—20" INLET { 2.435 Sq. Ft. Inside
211/2" Dia. Outside MAX. RPM
CL.1 1866
CL.2 2432

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1854	800	492	0.12	610	0.22	716	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2086	900	524	0.15	632	0.26	731	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2318	1000	558	0.18	658	0.29	751	0.42	838	0.56	920	0.70	—	—	—	—	—	—	—	—	—	—
2550	1100	594	0.21	686	0.33	774	0.47	856	0.62	934	0.77	—	—	—	—	—	—	—	—	—	—
2782	1200	632	0.25	717	0.38	799	0.53	877	0.68	951	0.84	1022	1.00	—	—	—	—	—	—	—	—
3013	1300	670	0.30	750	0.43	827	0.58	901	0.75	971	0.91	1039	1.09	—	—	—	—	—	—	—	—
3245	1400	710	0.35	784	0.49	857	0.65	926	0.82	994	1.00	1059	1.18	1182	1.56	—	—	—	—	—	—
3477	1500	750	0.41	820	0.56	888	0.72	954	0.90	1019	1.08	1081	1.28	1200	1.67	1312	2.09	—	—	—	—
3709	1600	791	0.47	857	0.63	921	0.80	984	0.99	1045	1.18	1105	1.38	1219	1.79	1328	2.23	1431	2.68	—	—
3941	1700	833	0.55	895	0.71	955	0.89	1015	1.08	1074	1.28	1131	1.49	1241	1.92	1346	2.37	1446	2.84	1542	3.33
4172	1800	875	0.63	933	0.80	991	0.99	1048	1.18	1104	1.39	1158	1.61	1264	2.06	1365	2.53	1463	3.01	1556	3.51
4404	1900	917	0.73	972	0.90	1027	1.09	1081	1.29	1135	1.51	1187	1.73	1289	2.20	1387	2.68	1481	3.19	1572	3.71
4636	2000	960	0.83	1012	1.01	1064	1.20	1116	1.42	1167	1.64	1218	1.87	1316	2.35	1410	2.85	1502	3.37	1590	3.91
4868	2100	1003	0.94	1053	1.13	1102	1.33	1152	1.55	1201	1.77	1249	2.01	1344	2.51	1435	3.03	1524	3.57	1609	4.12
5100	2200	1046	1.06	1093	1.26	1141	1.47	1188	1.69	1235	1.92	1282	2.17	1373	2.68	1461	3.21	1547	3.77	1631	4.34
5331	2300	1089	1.20	1134	1.40	1180	1.61	1225	1.84	1271	2.08	1315	2.33	1403	2.86	1489	3.41	1572	3.98	1653	4.57
5563	2400	1132	1.34	1176	1.55	1220	1.77	1263	2.00	1307	2.25	1350	2.51	1434	3.05	1517	3.61	1598	4.20	1677	4.80
6027	2600	1220	1.67	1260	1.89	1301	2.12	1341	2.37	1381	2.63	1421	2.90	1500	3.46	1578	4.06	1654	4.68	1728	5.31
6490	2800	1308	2.05	1345	2.28	1382	2.53	1420	2.79	1457	3.06	1495	3.34	1568	3.93	1641	4.55	1713	5.20	1784	5.87
6954	3000	1396	2.49	1431	2.73	1466	2.99	1501	3.26	1536	3.55	1571	3.84	1640	4.46	1709	5.10	1776	5.78	1843	6.48
7418	3200	1485	2.98	1517	3.24	1550	3.51	1583	3.80	1616	4.09	1648	4.40	1714	5.04	1778	5.71	1842	6.42	1906	7.14
7881	3400	1573	3.54	1604	3.82	1635	4.10	1666	4.40	1697	4.71	1727	5.02	1789	5.69	1850	6.39	1911	7.12	1971	7.87

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4868	2100	1693	4.69	1774	5.27	1852	5.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5100	2200	1712	4.92	1791	5.52	1867	6.13	1942	6.75	2016	7.39	—	—	—	—	—	—	—	—	—	—
5331	2300	1732	5.17	1809	5.78	1884	6.41	1957	7.05	2029	7.70	—	—	—	—	—	—	—	—	—	—
5563	2400	1754	5.42	1829	6.06	1902	6.70	1974	7.36	2044	8.03	2113	8.71	2180	9.40	—	—	—	—	—	—
6027	2600	1801	5.97	1873	6.63	1943	7.31	2011	8.01	2078	8.71	2144	9.42	2209	10.15	2273	10.88	2335	11.62	—	—
6490	2800	1853	6.55	1921	7.25	1988	7.97	2053	8.69	2118	9.43	2181	10.18	2243	10.94	2304	11.71	2365	12.48	2424	13.27
6954	3000	1909	7.19	1973	7.92	2037	8.67	2100	9.43	2162	10.20	2222	10.99	2282	11.78	2341	12.58	2399	13.39	—	—
7418	3200	1968	7.89	2030	8.65	2091	9.43	2151	10.22	2210	11.03	2268	11.85	2326	12.67	2382	13.51	—	—	—	—
7881	3400	2030	8.64	2089	9.43	2147	10.24	2205	11.07	2261	11.91	2318	12.76	2373	13.62	2427	14.49	—	—	—	—
8345	3600	2095	9.46	2152	10.28	2207	11.12	2262	11.98	2317	12.85	2370	13.73	2424	14.62	—	—	—	—	—	—
8808	3800	2163	10.35	2216	11.20	2270	12.07	2322	12.95	2375	13.85	2426	14.76	—	—	—	—	—	—	—	—
9272	4000	2232	11.32	2284	12.20	2335	13.09	2385	14.00	—	—	—	—	—	—	—	—	—	—	—	—
9736	4200	2304	12.37	2353	13.27	2402	14.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10199	4400	2377	13.50	2424	14.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





MODEL B
BELT DRIVEN UTILITY VENT SET-BACKWARD INCLINED



Performance B-222

TIP SPEED (FPM) = 5.825 x RPM OUTLET { 2.827 Sq. Ft. Inside
24" x 173/8" Outside MAX. HP = 1.8739 (RPM)³
/1000

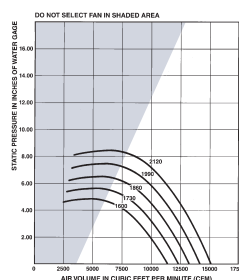
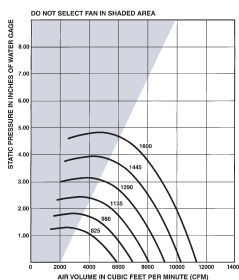
WHEEL DIAMETER—22 1/4" INLET { 3.015 Sq. Ft. Inside
237/8" Dia. Outside MAX. RPM
CL.1 1661
CL.2 2166

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2262	800	428	0.15	536	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2544	900	456	0.18	553	0.30	645	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2827	1000	486	0.21	574	0.35	659	0.50	741	0.67	—	—	—	—	—	—	—	—	—	—	—	—
3110	1100	517	0.25	598	0.39	677	0.56	753	0.73	827	0.93	—	—	—	—	—	—	—	—	—	—
3392	1200	550	0.30	624	0.45	697	0.62	768	0.80	838	1.00	905	1.22	—	—	—	—	—	—	—	—
3675	1300	584	0.36	653	0.51	720	0.69	787	0.88	852	1.09	916	1.30	—	—	—	—	—	—	—	—
3958	1400	619	0.42	683	0.59	746	0.77	808	0.97	870	1.18	930	1.40	1046	1.89	—	—	—	—	—	—
4241	1500	655	0.49	714	0.67	773	0.86	831	1.06	889	1.28	946	1.51	1058	2.01	—	—	—	—	—	—
4523	1600	691	0.57	746	0.76	802	0.95	857	1.16	911	1.39	965	1.63	1071	2.14	1173	2.69	—	—	—	—
4806	1700	727	0.66	779	0.86	832	1.06	883	1.28	935	1.51	986	1.75	1087	2.28	1185	2.84	—	—	—	—
5089	1800	764	0.76	813	0.97	863	1.18	912	1.40	961	1.64	1009	1.89	1105	2.43	1199	3.00	1291	3.62	1380	4.27
5371	1900	801	0.88	848	1.09	894	1.31	941	1.54	988	1.79	1034	2.04	1125	2.59	1215	3.18	1303	3.81	1389	4.47
5654	2000	838	1.00	883	1.22	927	1.45	971	1.69	1016	1.94	1060	2.21	1147	2.77	1233	3.37	1318	4.01	1401	4.68
5937	2100	876	1.13	918	1.36	960	1.60	1003	1.85	1045	2.11	1087	2.38	1171	2.95	1253	3.57	1335	4.22	1415	4.91
6219	2200	913	1.28	954	1.52	994	1.76	1035	2.02	1075	2.29	1115	2.57	1195	3.16	1275	3.78	1353	4.45	1430	5.14
6502	2300	951	1.44	990	1.69	1029	1.94	1067	2.21	1106	2.49	1145	2.77	1221	3.37	1297	4.01	1373	4.69	1447	5.40
6785	2400	989	1.61	1027	1.87	1064	2.14	1101	2.41	1138	2.70	1175	2.99	1248	3.61	1322	4.26	1394	4.95	1466	5.67
7350	2600	1066	2.01	1100	2.28	1134	2.56	1169	2.86	1203	3.16	1237	3.47	1305	4.11	1373	4.80	1441	5.51	1508	6.26
7916	2800	1143	2.46	1175	2.75	1206	3.06	1238	3.37	1270	3.68	1302	4.01	1365	4.69	1428	5.40	1491	6.14	1554	6.92
8481	3000	1220	2.98	1250	3.29	1279	3.61	1309	3.94	1339	4.28	1368	4.62	1428	5.33	1487	6.07	1546	6.85	1604	7.65
9046	3200	1297	3.57	1325	3.90	1353	4.24	1381	4.59	1409	4.94	1437	5.30	1492	6.05	1548	6.82	1603	7.62	1658	8.45
9612	3400	1375	4.24	1401	4.59	1428	4.95	1454	5.31	1480	5.69	1506	6.07	1559	6.84	1611	7.65	1663	8.48	1715	9.34

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5937	2100	1493	5.62	1570	6.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6219	2200	1506	5.87	1580	6.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6502	2300	1521	6.14	1593	6.91	1664	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6785	2400	1537	6.42	1607	7.21	1676	8.02	1743	8.86	—	—	—	—	—	—	—	—	—	—	—	—
7350	2600	1574	7.04	1640	7.84	1705	8.68	1769	9.54	1832	10.43	1894	11.35	—	—	—	—	—	—	—	—
7916	2800	1616	7.72	1678	8.55	1739	9.41	1800	10.30	1860	11.21	1919	12.15	1978	13.11	2036	4.10	2093	15.11	—	—
8481	3000	1663	8.48	1721	9.33	1779	10.22	1836	11.13	1893	12.07	1949	13.03	2005	14.01	2060	15.02	2115	16.05	—	—
9046	3200	1713	9.31	1768	10.19	1823	11.10	1877	12.04	1931	13.00	1984	13.99	2037	15.00	2090	16.03	2142	17.08	—	—
9612	3400	1767	10.23	1819	11.14	1870	12.08	1922	13.04	1973	14.02	2024	15.03	2074	16.07	2125	17.12	—	—	—	—
10177	3600	1823	11.23	1872	12.17	1921	13.13	1970	14.12	2019	15.13	2067	16.17	2115	17.23	2163	18.31	—	—	—	—
10743	3800	1882	12.32	1929	13.29	1975	14.29	2022	15.30	2068	16.34	2114	17.40	2160	18.48	—	—	—	—	—	—
11308	4000	1943	13.51	1987	14.51	2031	15.53	2076	16.58	2120	17.64	2164	18.73	—	—	—	—	—	—	—	—
11873	4200	2005	14.80	2048	15.82	2090	16.88	2132	17.95	—	—	—	—	—	—	—	—	—	—	—	—
12439	4400	2070	16.18	2110	17.25	2150	18.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13004	4600	2135	17.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





MODEL B
BELT DRIVEN UTILITY VENT SET-BACKWARD INCLINED



Performance B-245

TIP SPEED (FPM) = 6.414 x RPM

OUTLET { 3.458 Sq. Ft. Inside
261/4" x 191/4" Outside

MAX. HP = 3.0246 $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER—241/2"

INLET { 3.650 Sq. Ft. Inside
263/8" Dia. Outside

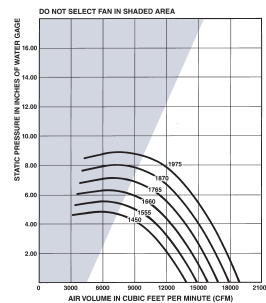
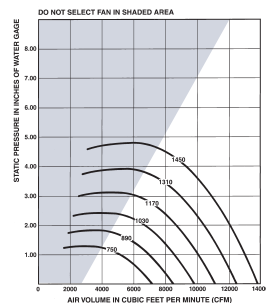
MAX. RPM
CL.1 1508
CL.2 1967

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3458	1000	444	0.26	523	0.42	600	0.61	674	0.82	—	—	—	—	—	—	—	—	—	—	—	—
3804	1100	473	0.31	545	0.48	616	0.68	685	0.90	752	1.13	—	—	—	—	—	—	—	—	—	—
4150	1200	503	0.37	570	0.55	635	0.76	700	0.98	762	1.23	823	1.49	—	—	—	—	—	—	—	—
4495	1300	534	0.44	596	0.63	657	0.85	717	1.08	776	1.33	833	1.59	—	—	—	—	—	—	—	—
4841	1400	566	0.52	623	0.72	680	0.94	736	1.18	792	1.44	846	1.71	951	2.31	—	—	—	—	—	—
5187	1500	599	0.61	652	0.82	705	1.05	758	1.30	810	1.57	862	1.85	962	2.45	—	—	—	—	—	—
5533	1600	632	0.71	682	0.93	732	1.17	781	1.43	831	1.70	879	1.99	975	2.61	1067	3.29	—	—	—	—
5879	1700	665	0.82	712	1.06	759	1.31	806	1.57	853	1.85	899	2.15	990	2.79	1078	3.47	1164	4.21	—	—
6224	1800	699	0.95	743	1.19	788	1.45	832	1.73	876	2.02	920	2.32	1007	2.97	1091	3.67	1174	4.42	—	—
6570	1900	733	1.09	775	1.34	817	1.61	859	1.90	901	2.20	943	2.51	1025	3.17	1106	3.89	1186	4.65	1263	5.46
6916	2000	767	1.24	807	1.51	847	1.79	887	2.08	927	2.39	967	2.71	1046	3.39	1123	4.12	1200	4.90	1274	5.72
7262	2100	802	1.41	840	1.68	878	1.98	916	2.28	954	2.60	992	2.93	1067	3.63	1142	4.37	1215	5.17	1287	6.00
7608	2200	836	1.59	873	1.88	909	2.18	946	2.50	982	2.82	1018	3.16	1090	3.88	1162	4.64	1232	5.45	1302	6.30
7953	2300	871	1.79	906	2.09	941	2.40	975	2.73	1010	3.06	1045	3.41	1114	4.15	1183	4.92	1251	5.75	1318	6.61
8299	2400	906	2.00	939	2.32	973	2.64	1006	2.98	1039	3.32	1073	3.68	1139	4.43	1205	5.23	1270	6.07	1335	6.95
8991	2600	976	2.49	1007	2.83	1038	3.17	1069	3.53	1099	3.90	1130	4.28	1191	5.07	1253	5.90	1313	6.77	1374	7.68
9682	2800	1046	3.05	1075	3.41	1104	3.78	1132	4.16	1161	4.55	1190	4.95	1247	5.78	1304	6.64	1360	7.55	1417	8.49
10374	3000	1117	3.70	1144	4.08	1171	4.48	1197	4.88	1224	5.29	1251	5.71	1304	6.58	1357	7.48	1411	8.42	1463	9.40
11066	3200	1188	4.44	1213	4.84	1238	5.26	1263	5.68	1289	6.12	1314	6.56	1364	7.47	1414	8.41	1463	9.39	1513	10.40
11757	3400	1259	5.26	1283	5.69	1307	6.13	1330	6.58	1354	7.04	1377	7.50	1425	8.45	1472	9.43	1519	10.45	1566	11.50
12449	3600	1331	6.20	1353	6.65	1375	7.11	1398	7.58	1420	8.06	1442	8.55	1487	9.54	1531	10.56	1576	11.62	1620	12.70
13140	3800	1402	7.23	1423	7.71	1445	8.20	1466	8.69	1487	9.19	1508	9.70	1550	10.74	1592	11.80	1634	12.90	1676	14.02

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7262	2100	1358	6.87	1427	7.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7608	2200	1370	7.18	1437	8.11	1503	9.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7953	2300	1384	7.51	1449	8.45	1513	9.43	1576	10.44	—	—	—	—	—	—	—	—	—	—	—	—
8299	2400	1399	7.86	1462	8.82	1524	9.81	1585	10.83	1646	11.88	—	—	—	—	—	—	—	—	—	—
8991	2600	1434	8.62	1493	9.61	1551	10.62	1609	11.67	1666	12.76	1723	13.87	1778	15.01	—	—	—	—	—	—
9682	2800	1473	9.47	1528	10.48	1584	11.53	1638	12.61	1692	13.72	1746	14.86	1799	16.03	1851	17.23	1903	18.45	—	—
10374	3000	1516	10.41	1568	11.45	1620	12.53	1672	13.64	1723	14.78	1774	15.94	1825	17.14	1874	18.37	1924	19.63	—	—
11066	3200	1563	11.44	1612	12.52	1661	13.63	1710	14.77	1759	15.93	1807	17.13	1855	18.36	1902	19.62	1950	20.90	—	—
11757	3400	1612	12.57	1659	13.69	1705	14.83	1752	16.00	1798	17.20	1844	18.43	1889	19.69	1934	20.97	—	—	—	—
12449	3600	1664	13.82	1709	14.97	1753	16.14	1796	17.34	1840	18.58	1884	19.84	1927	21.12	—	—	—	—	—	—
13140	3800	1718	15.17	1760	16.36	1802	17.57	1844	18.80	1886	20.07	1927	21.36	—	—	—	—	—	—	—	—
13832	4000	1774	16.65	1814	17.87	1854	19.11	1894	20.38	1934	21.68	—	—	—	—	—	—	—	—	—	—
14524	4200	1832	18.24	1870	19.50	1908	20.78	1946	22.09	—	—	—	—	—	—	—	—	—	—	—	—
15215	4400	1891	19.96	1927	21.26	1963	22.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15907	4600	1951	21.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers

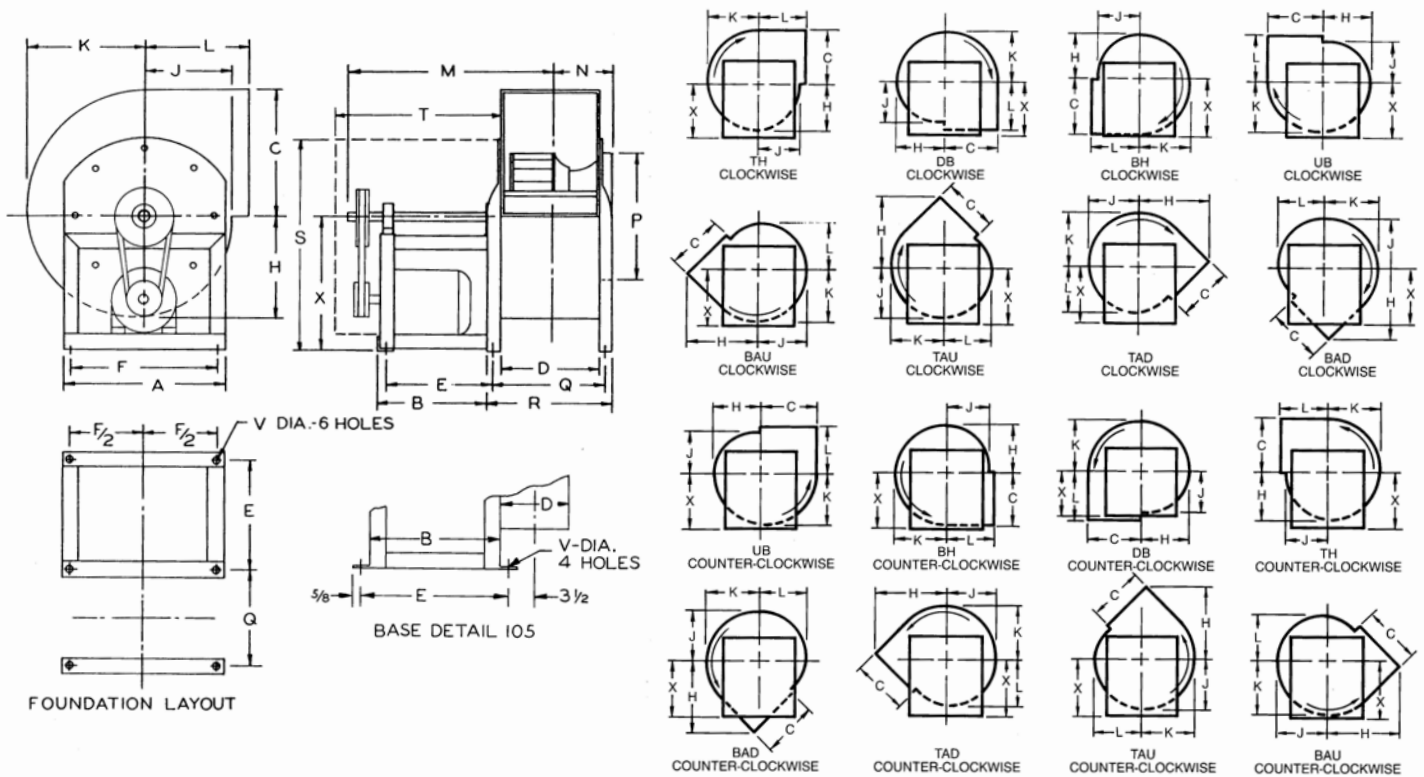




MODEL B
BELT DRIVEN UTILITY VENT SET-BACKWARD INCLINED



Non-Overloading Belt Drive — Arrangement #10 — SWSI — Class 1



SIZE	WHEEL DIA.	SHAFT DIA.	A	B	C*	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				BAU, TAU, TAD, BAD ANGULAR DISCHARGE			
									H	J	K	L	H	J	K	L
105	10 1/2	3/4	12 7/8	13	11 3/4	8	14 1/4	10 3/4	7 7/8	6 3/4	9 1/8	8 1/16	13 1/4	8 7/8	9 5/8	7 1/8
122	12 1/4	1	16 3/8	13 1/2	13 1/4	9 5/8	13 1/2	14 3/4	10 1/8	8 1/2	11 1/2	10 1/2	16 5/8	10 3/4	12 1/2	9 1/8
135	13 1/2	1	17 5/8	13 1/2	14 5/8	10 3/4	13 1/2	16	11 1/8	9 3/8	12 5/8	11 3/8	18 1/4	11 7/8	13 3/4	10
150	15	1	19 1/4	15 1/2	16 1/4	11 3/4	15 1/2	17 5/8	12 3/8	10 3/8	14 1/8	12 3/8	20 1/8	13 1/4	15 1/4	11 1/8
165	16 1/2	1	21 3/8	15	17 3/4	13	15 1/2	19 3/4	13 5/8	11 3/8	15 1/2	13 3/8	21 7/8	14 5/8	16 3/4	12 1/4
182	18 1/4	1 3/16	23 1/8	17	19 5/8	14 1/4	17 1/2	21 1/2	15	12 5/8	17 1/8	14 5/8	24 1/8	16	18 1/2	13 5/8
200	20	1 3/16	25	17	21 1/2	15 7/8	17	23 3/8	16 1/2	13 3/4	18 3/4	15 3/4	26 3/8	17 5/8	20 3/8	14 7/8
222	22 1/4	1 3/16	27 3/8	16 1/2	24	17 3/8	17	25 3/4	18 1/4	15 1/4	20 7/8	17 1/4	29	19 1/2	22 5/8	16 1/2
245	24 1/2	1 7/16	30 1/4	16 1/2	26 1/4	19 1/4	16 3/4	23 5/8	20 1/8	16 7/8	23	19 7/8	32 1/2	21 1/2	24 7/8	18 1/4
270	27	1 7/16	33	16 1/2	29	21 1/4	16 1/2	26 1/4	22 1/8	18 1/2	25 1/4	21 1/2	35 3/8	23 5/8	27 3/8	20
300	30	1 11/16	36 1/4	16 1/2	32 1/4	23 3/8	16 1/2	29 1/2	24 5/8	20 1/2	28 1/8	23 5/8	39 3/8	26 3/8	30 1/2	22 1/2
330	33	1 11/16	39 1/2	21 3/8	35 3/8	25 7/8	21 5/8	33 1/8	27 1/8	22 1/2	30 7/8	25 5/8	43	28 7/8	33 1/2	24 3/8
365	36 1/2	1 15/16	43 1/8	21 3/8	39 1/4	28 1/2	21 5/8	36 7/8	30	24 7/8	34 1/8	28	47 3/8	32	37 1/8	27

NOTE: Letters "C" and "D" are outside housing dimensions.
*C" dimension on 105 extends 11/16" beyond center-line.

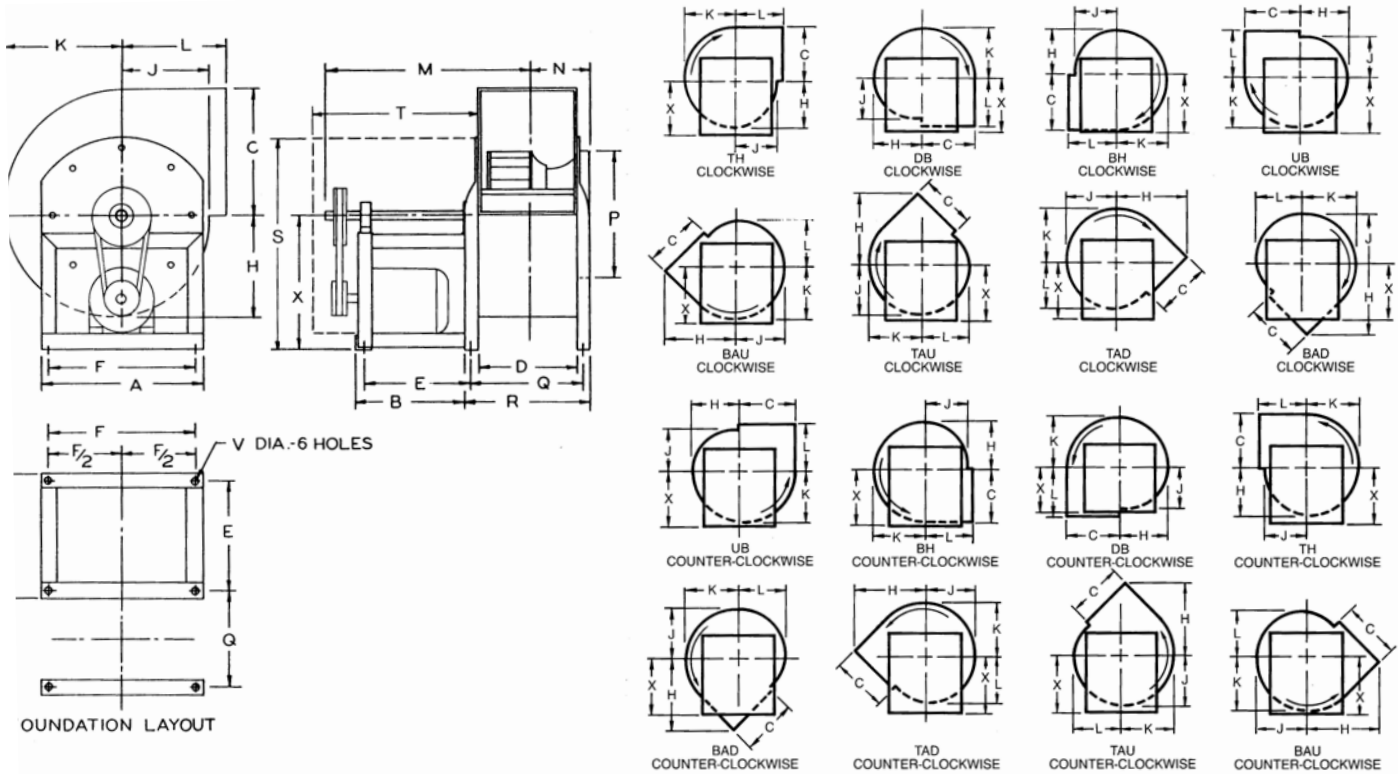
SIZE	M	N	P	Q	R	S	T	V	X	MAX MOTOR FRAME
105	19 5/8	6	12 7/8	—	—	20 1/2	17	7/16	14	145T
122	23 7/8	6 3/8	13 1/4	11 1/4	12 3/4	25 1/4	20	1/2	17	182T
135	24 3/8	7	14 1/2	12 3/8	13 7/8	25 7/8	20	1/2	17	182T
150	26 7/8	7 1/2	16 1/8	13 3/8	14 7/8	27 5/8	22	1/2	17 7/8	182T
165	27 1/2	8 1/2	17 7/8	14 1/2	17	30 1/8	22	1/2	19 1/2	184T
182	30 5/8	9 1/8	19 5/8	15 3/4	18 1/4	33 3/8	25	1/2	21 7/8	184T
200	31 1/2	10	21 1/2	17 7/8	20 1/8	36 1/4	25	1/2	23 3/4	213T
222	32 3/4	10 5/8	23 7/8	19 3/8	22 5/8	39 3/4	26	1/2	26 1/8	213T
245	33 5/8	11 3/4	26 3/8	21 1/4	24 1/2	42 7/8	26	1/2	27 3/4	215T
270	34 5/8	12 5/8	29	23 3/4	26 1/2	47	26	1/2	30 1/2	215T
300	36	13 3/4	32 1/4	26	28 3/4	51 7/8	27	1/2	33 3/4	254T
330	41 3/8	15	35 3/8	28 3/8	31 1/8	58 1/2	30 3/8	7/8	38 3/8	254T
365	43 1/4	16 1/4	39	31	33 3/4	63 3/4	30 3/8	7/8	42 1/8	254T

TEMPERATURE OPERATING LIMITS TEMPERATURE RPM DERATING FACTORS IN PERCENT:	
STEEL WHEEL	ALUMINUM WHEEL
300°F 100%	150°F 100%
301-400°F 96%	151-200°F 95%
401-500°F 92%	201-250°F 80%
501-600°F 85%	





Non-Overloading Belt Drive — Arrangement #10 — SWSI — Class 2



SIZE	WHEEL DIA.	SHAFT DIA.	A	B	C*	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				BAU, TAU, TAD, BAD ANGULAR DISCHARGE			
									H	J	K	L	H	J	K	L
105	10 1/2	1	16 3/8	15	11 3/4	8	13 1/2	14 3/4	7 7/8	6 3/4	9 1/8	8 1/16	13 1/4	8 7/8	9 5/8	7 1/8
122	12 1/4	1 3/16	16 3/8	15 1/2	13 1/4	9 5/8	15 1/2	14 3/4	10 1/8	8 1/2	11 1/2	10 1/2	16 5/8	10 3/4	12 1/2	9 1/8
135	13 1/2	1 3/16	17 5/8	15 1/2	14 5/8	10 3/4	15 1/2	16	11 1/8	9 3/8	12 5/8	11 3/8	18 1/4	11 7/8	13 3/4	10
150	15	1 3/16	19 1/4	15 1/2	16 1/4	11 3/4	15 1/2	17 5/8	12 3/8	10 3/8	14 1/8	12 3/8	20 1/8	13 1/4	15 1/4	11 1/8
165	16 1/2	1 3/16	21 3/8	21	17 3/4	13	21 1/2	19 3/4	13 5/8	11 3/8	15 1/2	13 3/8	21 7/8	14 5/8	16 3/4	12 1/4
182	18 1/4	1 7/16	23 3/8	21	19 5/8	14 1/4	21 1/2	21 1/2	15	12 5/8	17 1/8	14 5/8	24 1/8	16	18 1/2	13 5/8
200	20	1 7/16	25	21	21 1/2	15 7/8	21	23 3/8	16 1/2	13 3/4	18 3/4	15 3/4	26 3/8	17 5/8	20 3/8	14 7/8
222	22 1/4	1 11/16	27 3/8	22 1/2	24	17 3/8	23	25 3/4	18 1/4	15 1/4	20 7/8	17 1/4	29	19 1/2	22 5/8	16 1/2
245	24 1/2	1 11/16	30 1/4	22 1/2	26 1/4	19 1/4	22 3/4	23 5/8	20 1/8	16 7/8	23	19 7/8	32 1/2	21 1/2	24 7/8	18 1/4
270	27	1 11/16	33	21	29	21 1/4	21 1/8	26 1/4	22 1/8	18 1/2	25 1/4	21 1/2	35 3/8	23 5/8	27 3/8	20
300	30	1 15/16	36 1/4	23	32 1/4	23 3/8	23 1/8	29 1/2	24 5/8	20 1/2	28 1/8	23 5/8	39 3/8	26 3/8	30 1/2	22 1/2
330	33	1 15/16	39 1/2	23	35 3/8	25 7/8	23 1/4	33 1/8	27 1/8	22 1/2	30 7/8	25 5/8	43	28 7/8	33 1/2	24 3/8
365	36 1/2	2 3/16	43 1/8	23	39 1/4	28 1/2	23 1/4	36 7/8	30	24 7/8	34 1/8	28	47 3/8	32	37 1/8	27

NOTE: Letters "C" and "D" are outside housing dimensions.

*"C" dimension on 105 extends 11/16" beyond center-line.

SIZE	M	N	P	Q	R	S	T	V	X	MAX MOTOR FRAME
105	22 3/8	6	12 7/8	—	—	25 1/4	20	1/2	17	128T
122	25 3/8	6 3/8	13 1/4	11 1/4	12 3/4	25 1/4	22	1/2	17	184T
135	25 7/8	7	14 1/2	12 3/8	13 7/8	25 7/8	22	1/2	17	184T
150	27	7 1/2	16 1/8	13 3/8	14 7/8	27 5/8	22	1/2	17 7/8	213T
165	34 1/8	8 1/2	17 7/8	14 1/2	17	30 5/8	29	1/2	19 1/2	254T
182	34 3/4	9 1/8	19 5/8	15 3/4	18 1/4	33 3/8	29	1/2	21 7/8	254T
200	35 5/8	10	21 1/2	17 7/8	20 1/8	36 1/4	29	1/2	23 3/4	254T
222	38 3/8	10 5/8	23 7/8	19 3/8	22 5/8	39 1/4	31 1/2	1/2	26 1/8	256T
245	40 1/2	11 3/4	26 3/8	21 1/4	24 1/2	42 7/8	33	1/2	27 3/4	284T
270	39 5/8	12 5/8	29	23 3/4	26 1/2	47	32	1/2	30 1/2	284T
300	42 5/8	13 3/4	32 1/4	26	28 3/4	51 7/8	33	1/2	33 3/4	286T
330	45	15	35 3/8	28 3/8	31 1/8	58 1/8	34	7/8	38 3/8	324T
365	46 1/4	16 1/4	39	31	33 3/4	63 3/4	34	7/8	42 1/8	234T

TEMPERATURE OPERATING LIMITS TEMPERATURE RPM DERATING FACTORS IN PERCENT:	
STEEL WHEEL	ALUMINUM WHEEL
300°F 100%	150°F 100%
301-400°F 96%	151-200°F 95%
401-500°F 92%	201-250°F 80%
501-600°F 85%	



CONSTRUCTION/SPECIFICATIONS

Wheels

Die-formed identical blades machine riveted to die-punched back plate and rim. Dynamically and statically balanced.

Inlet

Circular angle ring. Rigid streamlined inlet.

Frame

All welded steel construction. Easy access to motor for servicing.

Housing

All are convertible and may be rotated easily to any of eight 45° positions.

Motor Base

Heavy construction assures sturdy base for motor mounting and features easy adjustment for belt tension.

Bearings

Self-aligning ball bearing pillow blocks. These bearings are designed to operate under the most severe atmospheric conditions.

Shaft

Ground and polished solid steel key-wayed on each end.

Motor

Commercial standard Fan and Blower duty motors are job-matched to each requirement. All types of current characteristics, enclosures and bearing construction are available.

Adjustable V-Belt Drive

High quality CAST Iron adjustable pitch motor sheaves are standard equipment. V-Belts with ample service factor are also employed. When performance data is specified, the blowers are factory set to exact blower speed to meet job requirements. Constant speed drives are also available.



Performance FCB-15

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.375 S.P.		.5 S.P.		.625 S.P.		.75 S.P.		.875 S.P.		1.0 S.P.		1.25 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1024	800	346	0.07	409	0.10	—	—	—	—	—	—	—	—	—	—	—	—
1152	900	359	0.09	415	0.12	471	0.15	—	—	—	—	—	—	—	—	—	—
1280	1000	375	0.11	426	0.14	476	0.17	527	0.21	—	—	—	—	—	—	—	—
1408	1100	393	0.14	439	0.17	485	0.20	531	0.24	577	0.28	—	—	—	—	—	—
1536	1200	412	0.17	455	0.20	497	0.23	539	0.27	582	0.31	624	0.35	—	—	—	—
1664	1300	432	0.20	473	0.23	512	0.27	551	0.31	590	0.35	628	0.39	667	0.44	—	—
1792	1400	453	0.24	491	0.27	528	0.31	564	0.35	600	0.39	636	0.44	672	0.49	745	0.59
1920	1500	474	0.28	511	0.32	546	0.36	580	0.40	613	0.44	647	0.49	681	0.54	748	0.64
2048	1600	496	0.33	531	0.37	564	0.41	596	0.46	628	0.50	660	0.55	691	0.60	754	0.70
2176	1700	518	0.39	552	0.43	583	0.47	614	0.52	644	0.56	674	0.61	704	0.66	763	0.77
2304	1800	540	0.45	573	0.49	603	0.54	633	0.59	662	0.63	690	0.68	718	0.73	774	0.84
2432	1900	562	0.51	594	0.56	624	0.61	652	0.66	680	0.71	707	0.76	734	0.81	787	0.92
2560	2000	585	0.59	616	0.64	645	0.69	672	0.74	699	0.79	725	0.85	750	0.90	801	1.02
2816	2200	630	0.76	660	0.82	687	0.87	713	0.93	738	0.99	762	1.04	786	1.10	833	1.22
3072	2400	676	0.96	705	1.02	731	1.09	756	1.15	779	1.21	802	1.27	824	1.33	868	1.46
3328	2600	722	1.19	750	1.26	775	1.33	799	1.40	821	1.47	843	1.53	864	1.60	905	1.74
3584	2800	768	1.46	795	1.54	820	1.62	843	1.69	865	1.76	885	1.83	906	1.91	945	2.05
3840	3000	814	1.76	841	1.86	865	1.94	888	2.02	909	2.10	929	2.18	948	2.25	985	2.41
4096	3200	861	2.11	888	2.21	911	2.30	933	2.39	953	2.48	972	2.56	991	2.65	1027	2.81
4352	3400	908	2.51	934	2.61	957	2.71	978	2.81	998	2.90	1017	2.99	1035	3.08	1070	3.26
4608	3600	954	2.94	980	3.06	1003	3.17	1024	3.28	1043	3.37	1061	3.47	1079	3.57	1113	3.76
4864	3800	1001	3.43	1027	3.56	1049	3.68	1069	3.79	1088	3.90	1107	4.00	1124	4.10	1157	4.30
5120	4000	1048	3.97	1073	4.11	1095	4.24	1115	4.36	1134	4.47	1152	4.59	1169	4.69	1201	4.91
5376	4200	1095	4.56	1120	4.72	1142	4.85	1162	4.98	1180	5.10	1198	5.22	1214	5.34	1246	5.57
5632	4400	1142	5.21	1167	5.38	1188	5.53	1208	5.66	1226	5.79	1243	5.92	1260	6.05	1291	6.28
5888	4600	1189	5.92	1214	6.10	1235	6.26	1254	6.40	1272	6.54	1289	6.68	1305	6.81	1336	7.07
6144	4800	1236	6.70	1261	6.88	1282	7.05	1301	7.21	1319	7.36	1335	7.50	1351	7.64	1381	7.91
6400	5000	1283	7.53	1308	7.73	1328	7.91	1347	8.08	1365	8.24	1381	8.39	1397	8.54	—	—
6656	5200	1331	8.43	1354	8.65	1375	8.84	1394	9.02	—	—	—	—	—	—	—	—
6912	5400	1378	9.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—

VOL. CFM	OUTLET VEL. FPM	1.50 S.P.		1.75 S.P.		2.0 S.P.		2.5 S.P.		3.0 S.P.		3.5 S.P.		4.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2048	1600	818	0.81	—	—	—	—	—	—	—	—	—	—	—	—
2176	1700	823	0.88	882	1.00	—	—	—	—	—	—	—	—	—	—
2304	1800	830	0.96	886	1.08	943	1.21	—	—	—	—	—	—	—	—
2432	1900	840	1.04	893	1.17	946	1.30	—	—	—	—	—	—	—	—
2560	2000	851	1.13	902	1.26	952	1.39	1054	1.68	—	—	—	—	—	—
2816	2200	879	1.34	925	1.47	970	1.61	1062	1.90	1155	2.22	—	—	—	—
3072	2400	910	1.59	953	1.73	995	1.87	1079	2.16	1163	2.49	1248	2.83	—	—
3328	2600	945	1.87	985	2.02	1024	2.16	1101	2.47	1179	2.80	1257	3.14	1335	3.52
3584	2800	982	2.20	1019	2.35	1056	2.50	1128	2.82	1201	3.15	1273	3.51	1345	3.88
3840	3000	1021	2.56	1056	2.72	1091	2.88	1159	3.21	1227	3.56	1294	3.92	1361	4.30
4096	3200	1062	2.98	1095	3.14	1128	3.31	1193	3.65	1256	4.01	1319	4.38	1382	4.77
4352	3400	1103	3.43	1135	3.61	1167	3.78	1228	4.14	1288	4.51	1348	4.90	—	—
4608	3600	1145	3.94	1176	4.13	1207	4.31	1265	4.69	1323	5.07	1380	5.47	—	—
4864	3800	1188	4.50	1218	4.70	1247	4.89	1304	5.29	1359	5.68	—	—	—	—
5120	4000	1232	5.12	1261	5.32	1289	5.53	1344	5.94	1397	6.35	—	—	—	—
5376	4200	1275	5.79	1304	6.00	1332	6.22	1385	6.65	—	—	—	—	—	—
5632	4400	1320	6.52	1348	6.75	1374	6.97	—	—	—	—	—	—	—	—
5888	4600	1364	7.31	1392	7.56	—	—	—	—	—	—	—	—	—	—



Performance FCB-16

VOL. CFM	OUTLET VEL.FPM	.25 S.P.		.375 S.P.		.5 S.P.		.625 S.P.		.75 S.P.		.875 S.P.		1.0 S.P.		1.25 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1248	800	328	0.10	388	0.13	—	—	—	—	—	—	—	—	—	—	—	—
1404	900	340	0.12	394	0.15	448	0.19	—	—	—	—	—	—	—	—	—	—
1560	1000	355	0.15	403	0.18	452	0.22	500	0.27	—	—	—	—	—	—	—	—
1716	1100	371	0.18	416	0.22	460	0.26	504	0.30	548	0.35	—	—	—	—	—	—
1872	1200	389	0.21	430	0.26	471	0.30	511	0.35	552	0.40	592	0.45	—	—	—	—
2028	1300	408	0.26	447	0.30	484	0.35	522	0.40	559	0.45	596	0.50	634	0.56	—	—
2184	1400	427	0.31	464	0.35	499	0.40	534	0.45	569	0.51	603	0.56	638	0.62	708	0.74
2340	1500	447	0.36	482	0.41	515	0.46	548	0.52	581	0.57	613	0.63	645	0.69	710	0.82
2496	1600	467	0.42	501	0.48	533	0.53	564	0.59	594	0.65	625	0.71	655	0.77	716	0.90
2652	1700	488	0.49	520	0.55	551	0.61	580	0.67	609	0.73	638	0.79	666	0.85	724	0.99
2808	1800	509	0.57	540	0.63	569	0.69	597	0.75	625	0.82	652	0.88	679	0.95	733	1.09
2964	1900	530	0.66	560	0.72	588	0.78	615	0.85	642	0.92	668	0.98	694	1.05	745	1.19
3120	2000	551	0.75	581	0.82	608	0.89	634	0.95	659	1.02	684	1.09	709	1.16	758	1.31
3432	2200	594	0.96	622	1.04	648	1.12	672	1.19	696	1.27	719	1.34	742	1.42	787	1.57
3744	2400	637	1.22	664	1.31	689	1.39	712	1.47	735	1.55	756	1.63	778	1.71	820	1.88
4056	2600	681	1.52	707	1.61	731	1.70	753	1.79	774	1.88	795	1.97	815	2.06	855	2.23
4368	2800	725	1.86	750	1.97	773	2.06	795	2.16	815	2.25	835	2.35	854	2.44	891	2.63
4680	3000	769	2.26	794	2.37	816	2.48	837	2.58	856	2.68	875	2.79	894	2.89	929	3.09
4992	3200	814	2.71	838	2.83	859	2.94	879	3.06	898	3.17	917	3.28	934	3.38	969	3.60
5304	3400	859	3.21	882	3.34	903	3.47	922	3.59	941	3.71	958	3.82	976	3.94	1009	4.17
5616	3600	903	3.78	926	3.92	946	4.05	965	4.18	983	4.31	1001	4.44	1017	4.56	1049	4.80
5928	3800	948	4.41	970	4.56	990	4.70	1009	4.84	1026	4.98	1043	5.11	1059	5.24	1090	5.50
6240	4000	993	5.10	1015	5.27	1034	5.42	1053	5.57	1070	5.71	1086	5.86	1102	5.99	1132	6.27
6552	4200	1038	5.87	1059	6.04	1079	6.21	1097	6.37	1113	6.52	1129	6.67	1145	6.82	1174	7.11
6864	4400	1084	6.71	1104	6.90	1123	7.07	1141	7.24	1157	7.40	1173	7.56	1188	7.72	1217	8.03
7176	4600	1129	7.63	1149	7.83	1168	8.02	1185	8.19	1201	8.37	1216	8.53	1231	8.70	1259	9.02
7488	4800	1174	8.63	1194	8.84	1212	9.04	1229	9.23	1245	9.41	1260	9.59	1275	9.76	1302	10.10
7800	5000	1220	9.72	1239	9.94	1257	10.15	1274	10.35	1289	10.54	1304	10.72	—	—	—	—
8112	5200	1265	10.90	1284	11.13	1302	11.35	—	—	—	—	—	—	—	—	—	—
8424	5400	1311	12.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—

VOL. CFM	OUTLET VEL FPM	1.5 S.P.		1.75 S.P.		2.0 S.P.		2.5 S.P.		3.0 S.P.		3.5 S.P.		4.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2496	1600	776	1.03	—	—	—	—	—	—	—	—	—	—	—	—
2652	1700	781	1.13	838	1.27	—	—	—	—	—	—	—	—	—	—
2808	1800	787	1.23	841	1.38	895	1.54	—	—	—	—	—	—	—	—
2964	1900	796	1.34	847	1.50	898	1.66	—	—	—	—	—	—	—	—
3120	2000	807	1.46	855	1.62	904	1.78	1001	2.13	—	—	—	—	—	—
3432	2200	832	1.74	876	1.90	920	2.07	1008	2.43	1097	2.81	—	—	—	—
3744	2400	861	2.05	901	2.23	942	2.41	1023	2.79	1104	3.18	1185	3.59	—	—
4056	2600	893	2.42	931	2.60	968	2.79	1043	3.19	1118	3.60	1193	4.03	1268	4.47
4368	2800	927	2.83	963	3.02	998	3.23	1068	3.64	1137	4.07	1207	4.51	1276	4.97
4680	3000	964	3.29	998	3.50	1031	3.71	1096	4.14	1161	4.59	1226	5.05	1291	5.53
4992	3200	1001	3.82	1034	4.04	1065	4.26	1127	4.71	1188	5.18	1249	5.65	1310	6.15
5304	3400	1040	4.40	1071	4.63	1101	4.87	1160	5.34	1218	5.82	1276	6.32	—	—
5616	3600	1080	5.05	1109	5.29	1138	5.54	1195	6.03	1250	6.54	1305	7.06	—	—
5928	3800	1120	5.76	1149	6.02	1177	6.28	1231	6.80	1284	7.32	—	—	—	—
6240	4000	1161	6.54	1189	6.81	1216	7.08	1268	7.63	—	—	—	—	—	—
6552	4200	1202	7.40	1229	7.68	1255	7.97	1306	8.54	—	—	—	—	—	—
6864	4400	1244	8.33	1270	8.63	1296	8.93	—	—	—	—	—	—	—	—
7176	4600	1286	9.34	1312	9.66	—	—	—	—	—	—	—	—	—	—



Performance FCB-18

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.375 S.P.		.5 S.P.		.625 S.P.		.75 S.P.		.875 S.P.		1.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1519	800	296	0.11	352	0.16	—	—	—	—	—	—	—	—	—	—
1709	900	306	0.14	356	0.19	406	0.24	—	—	—	—	—	—	—	—
1899	1000	318	0.17	364	0.22	409	0.27	454	0.33	—	—	—	—	—	—
2089	1100	331	0.20	374	0.25	416	0.31	457	0.37	497	0.44	—	—	—	—
2279	1200	346	0.24	386	0.29	425	0.35	463	0.42	500	0.49	537	0.56	—	—
2469	1300	361	0.29	399	0.34	435	0.40	471	0.47	506	0.54	540	0.61	575	0.69
2659	1400	377	0.34	413	0.40	447	0.46	481	0.53	513	0.60	546	0.68	578	0.76
2849	1500	394	0.40	428	0.46	460	0.53	492	0.60	523	0.67	554	0.75	584	0.83
3038	1600	411	0.46	443	0.53	475	0.60	504	0.67	534	0.75	563	0.83	591	0.91
3228	1700	428	0.54	459	0.61	489	0.68	518	0.76	546	0.84	573	0.92	601	1.00
3418	1800	445	0.62	476	0.69	505	0.77	532	0.85	559	0.93	585	1.02	611	1.10
3608	1900	463	0.71	493	0.79	520	0.87	547	0.95	573	1.04	598	1.12	623	1.21
3798	2000	481	0.81	510	0.89	537	0.98	562	1.06	587	1.15	611	1.24	635	1.33
4178	2200	517	1.03	544	1.13	570	1.22	594	1.32	617	1.41	640	1.51	662	1.60
4558	2400	553	1.30	580	1.41	604	1.51	627	1.61	649	1.72	671	1.82	691	1.92
4937	2600	590	1.61	616	1.73	639	1.84	661	1.95	682	2.06	702	2.18	722	2.29
5317	2800	627	1.97	652	2.10	675	2.22	696	2.35	716	2.46	735	2.58	754	2.70
5697	3000	665	2.38	689	2.52	711	2.66	731	2.79	750	2.92	769	3.05	787	3.17
6077	3200	702	2.85	726	3.00	747	3.15	767	3.29	786	3.43	804	3.57	821	3.70
6457	3400	740	3.37	763	3.54	784	3.70	803	3.85	821	4.00	839	4.15	855	4.29
6836	3600	778	3.95	800	4.13	820	4.31	839	4.47	857	4.63	874	4.79	890	4.94
7216	3800	816	4.60	838	4.80	857	4.98	876	5.16	893	5.33	910	5.50	926	5.66
7596	4000	854	5.32	875	5.53	895	5.73	913	5.92	930	6.10	946	6.28	961	6.46
7976	4200	892	6.11	913	6.34	932	6.55	950	6.75	966	6.95	982	7.14	997	7.32
8356	4400	931	6.98	951	7.22	970	7.44	987	7.66	1003	7.87	1019	8.07	1034	8.27
8735	4600	969	7.92	989	8.18	1007	8.42	1024	8.65	1040	8.87	1055	9.08	—	—
9115	4800	1008	8.95	1027	9.22	1045	9.48	—	—	—	—	—	—	—	—
9495	5000	1046	10.07	—	—	—	—	—	—	—	—	—	—	—	—

VOL. CFM	OUTLET VEL. FPM	1.25 S.P.		1.50 S.P.		1.75 S.P.		2.0 S.P.		2.5 S.P.		3.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2659	1400	642	0.93	—	—	—	—	—	—	—	—	—	—
2849	1500	644	1.00	—	—	—	—	—	—	—	—	—	—
3038	1600	648	1.09	704	1.28	—	—	—	—	—	—	—	—
3228	1700	654	1.18	707	1.38	760	1.58	—	—	—	—	—	—
3418	1800	662	1.29	713	1.48	763	1.69	812	1.92	—	—	—	—
3608	1900	671	1.40	720	1.60	767	1.81	814	2.04	—	—	—	—
3798	2000	682	1.52	728	1.73	773	1.94	819	2.17	908	2.66	—	—
4178	2200	705	1.81	748	2.02	790	2.24	831	2.47	914	2.97	995	3.51
4558	2400	732	2.14	772	2.36	810	2.59	849	2.83	925	3.33	1000	3.88
4937	2600	760	2.51	798	2.75	834	2.98	870	3.23	941	3.75	1011	4.31
5317	2800	791	2.94	826	3.19	860	3.44	894	3.70	961	4.24	1027	4.81
5697	3000	822	3.43	856	3.69	889	3.95	921	4.22	984	4.78	1046	5.37
6077	3200	855	3.97	887	4.25	918	4.52	949	4.81	1009	5.39	—	—
6457	3400	888	4.58	919	4.87	949	5.16	979	5.45	1036	6.06	—	—
6836	3600	922	5.25	952	5.56	981	5.86	1009	6.17	—	—	—	—
7216	3800	956	5.99	985	6.31	1013	6.64	1041	6.96	—	—	—	—
7596	4000	991	6.80	1019	7.14	1047	7.48	—	—	—	—	—	—
7976	4200	1026	7.69	1054	8.05	—	—	—	—	—	—	—	—



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VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.375 S.P.		.5 S.P.		.625 S.P.		.75 S.P.		.875 S.P.		1.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1853	800	256	0.14	308	0.19	—	—	—	—	—	—	—	—	—	—
2084	900	263	0.16	309	0.22	—	—	—	—	—	—	—	—	—	—
2316	1000	272	0.20	314	0.26	356	0.33	—	—	—	—	—	—	—	—
2548	1100	282	0.24	321	0.30	360	0.37	398	0.45	—	—	—	—	—	—
2780	1200	294	0.29	330	0.35	366	0.42	401	0.50	436	0.59	—	—	—	—
3011	1300	307	0.34	341	0.41	374	0.48	406	0.56	439	0.65	471	0.74	—	—
3242	1400	320	0.40	352	0.47	383	0.55	413	0.63	444	0.72	474	0.81	503	0.91
3474	1500	333	0.47	364	0.55	393	0.63	422	0.71	450	0.80	478	0.90	506	1.00
3706	1600	347	0.55	376	0.63	404	0.71	431	0.80	458	0.89	485	0.99	511	1.09
3937	1700	362	0.64	389	0.72	416	0.81	442	0.90	467	0.99	493	1.09	518	1.19
4169	1800	376	0.74	403	0.83	428	0.92	453	1.01	477	1.10	501	1.21	525	1.31
4400	1900	391	0.85	417	0.94	441	1.03	465	1.13	488	1.23	511	1.33	534	1.44
4632	2000	406	0.97	431	1.07	455	1.16	477	1.26	500	1.37	522	1.47	543	1.58
5095	2200	437	1.25	460	1.35	482	1.46	504	1.57	524	1.67	544	1.79	564	1.90
5558	2400	468	1.57	490	1.69	511	1.80	531	1.92	550	2.04	569	2.16	588	2.28
6022	2600	499	1.96	520	2.08	540	2.21	559	2.33	578	2.46	595	2.59	613	2.71
6485	2800	531	2.40	551	2.54	570	2.67	588	2.81	606	2.94	623	3.08	639	3.21
6948	3000	563	2.90	582	3.05	601	3.20	618	3.34	634	3.49	651	3.63	667	3.78
7411	3200	595	3.48	614	3.64	631	3.80	648	3.95	664	4.11	679	4.26	695	4.41
7875	3400	628	4.13	646	4.30	663	4.47	679	4.64	694	4.80	709	4.96	723	5.13
8338	3600	660	4.85	678	5.04	694	5.22	709	5.40	724	5.57	739	5.74	753	5.92
8801	3800	693	5.66	710	5.86	726	6.05	740	6.24	755	6.43	769	6.61	782	6.79
9264	4000	726	6.55	742	6.77	757	6.97	772	7.17	786	7.37	799	7.56	812	7.76
9727	4200	759	7.54	775	7.76	789	7.98	803	8.19	817	8.40	830	8.61	843	8.81
10190	4400	792	8.62	807	8.86	822	9.09	835	9.31	848	9.53	861	9.75	873	9.96
10654	4600	825	9.80	840	10.05	854	10.30	867	10.53	880	10.76	892	10.99	904	11.22
11117	4800	859	11.09	873	11.36	886	11.61	899	11.86	912	12.10	924	12.34	936	12.58
11580	5000	892	12.49	906	12.76	919	13.03	932	13.29	944	13.55	955	13.80	—	—
12043	5200	925	14.00	939	14.29	952	14.57	—	—	—	—	—	—	—	—

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.375 S.P.		.5 S.P.		.625 S.P.		.75 S.P.		.875 S.P.		1.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3474	1500	562	1.21	—	—	—	—	—	—	—	—	—	—	—	—
3706	1600	564	1.31	—	—	—	—	—	—	—	—	—	—	—	—
3937	1700	567	1.42	616	1.66	—	—	—	—	—	—	—	—	—	—
4169	1800	572	1.54	619	1.78	665	2.04	—	—	—	—	—	—	—	—
4400	1900	579	1.67	623	1.92	667	2.18	711	2.46	—	—	—	—	—	—
4632	2000	586	1.81	629	2.06	671	2.33	712	2.61	—	—	—	—	—	—
5095	2200	604	2.14	643	2.40	681	2.67	720	2.96	796	3.58	—	—	—	—
5558	2400	624	2.53	661	2.80	696	3.08	732	3.37	802	4.00	871	4.68	—	—
6022	2600	647	2.98	681	3.26	714	3.54	747	3.85	813	4.49	877	5.18	941	5.93
6485	2800	672	3.49	703	3.78	735	4.08	766	4.39	827	5.05	887	5.75	947	6.50
6948	3000	697	4.07	727	4.37	757	4.69	786	5.01	844	5.68	901	6.40	—	—
7411	3200	724	4.72	753	5.04	781	5.37	808	5.70	863	6.39	917	7.12	—	—
7875	3400	752	5.46	779	5.79	806	6.12	832	6.47	884	7.19	935	7.94	—	—
8338	3600	780	6.26	806	6.61	832	6.97	857	7.33	906	8.07	955	8.84	—	—
8801	3800	808	7.16	834	7.52	859	7.89	883	8.27	930	9.04	—	—	—	—
9264	4000	838	8.14	862	8.52	886	8.91	909	9.30	955	10.10	—	—	—	—
9727	4200	867	9.22	891	9.62	914	10.02	937	10.43	—	—	—	—	—	—
10190	4400	897	10.39	920	10.81	943	11.23	—	—	—	—	—	—	—	—
10654	4600	928	11.67	950	12.11	—	—	—	—	—	—	—	—	—	—



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VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.375 S.P.		.5 S.P.		.625 S.P.		.75 S.P.		.875 S.P.		1.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2262	800	232	0.16	—	—	—	—	—	—	—	—	—	—	—	—
2544	900	236	0.19	—	—	—	—	—	—	—	—	—	—	—	—
2827	1000	242	0.23	285	0.31	—	—	—	—	—	—	—	—	—	—
3110	1100	250	0.27	289	0.35	328	0.45	—	—	—	—	—	—	—	—
3392	1200	259	0.32	294	0.40	330	0.50	367	0.60	—	—	—	—	—	—
3675	1300	269	0.38	302	0.47	335	0.56	368	0.67	401	0.78	—	—	—	—
3958	1400	280	0.45	310	0.54	341	0.63	372	0.74	403	0.86	434	0.99	—	—
4241	1500	291	0.52	320	0.62	348	0.72	377	0.82	406	0.94	435	1.07	464	1.21
4523	1600	303	0.61	330	0.71	357	0.81	384	0.92	410	1.04	437	1.17	465	1.30
4806	1700	315	0.70	341	0.80	366	0.91	391	1.02	416	1.15	442	1.27	467	1.41
5089	1800	328	0.81	352	0.92	376	1.03	400	1.14	424	1.27	448	1.40	471	1.53
5371	1900	340	0.93	364	1.04	387	1.15	409	1.27	432	1.40	454	1.53	477	1.67
5654	2000	353	1.05	376	1.17	398	1.29	419	1.42	441	1.54	462	1.68	483	1.82
6219	2200	379	1.35	401	1.48	421	1.61	441	1.74	460	1.88	480	2.02	499	2.17
6785	2400	406	1.70	426	1.84	445	1.98	464	2.12	482	2.27	500	2.42	518	2.57
7350	2600	433	2.10	452	2.26	470	2.41	488	2.57	505	2.72	521	2.88	538	3.04
7916	2800	460	2.57	479	2.74	496	2.91	512	3.07	529	3.24	544	3.40	560	3.57
8481	3000	488	3.11	505	3.29	522	3.47	538	3.65	553	3.82	568	4.00	583	4.18
9046	3200	515	3.72	532	3.91	548	4.11	563	4.30	578	4.49	592	4.67	606	4.86
9612	3400	543	4.40	560	4.61	575	4.82	590	5.03	604	5.23	617	5.43	631	5.63
10177	3600	571	5.17	587	5.40	602	5.62	616	5.84	630	6.05	643	6.26	656	6.47
10743	3800	599	6.02	615	6.27	629	6.50	643	6.73	656	6.96	669	7.19	681	7.41
11308	4000	628	6.96	643	7.22	656	7.48	670	7.72	682	7.96	695	8.20	707	8.44
11873	4200	656	8.00	670	8.28	684	8.55	697	8.81	709	9.06	721	9.31	733	9.56
12439	4400	684	9.14	698	9.44	712	9.72	724	10.00	736	10.27	748	10.53	759	10.79
13004	4600	713	10.38	726	10.69	739	11.00	751	11.29	763	11.57	774	11.85	785	12.13
13570	4800	741	11.74	755	12.07	767	12.39	779	12.69	790	12.99	801	13.29	812	13.58
14135	5000	770	13.20	783	13.55	795	13.89	807	14.21	818	14.52	829	14.83	839	15.14
14700	5200	798	14.79	811	15.16	823	15.51	834	15.85	845	16.18	856	16.50	—	—
15266	5400	827	16.50	840	16.89	851	17.26	—	—	—	—	—	—	—	—
15831	5600	856	18.34	—	—	—	—	—	—	—	—	—	—	—	—

VOL. CFM	OUTLET VEL. FPM	1.25 S.P.		1.50 S.P.		1.75 S.P.		2.0 S.P.		2.5 S.P.		3.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4806	1700	518	1.71	—	—	—	—	—	—	—	—	—	—
5089	1800	520	1.84	—	—	—	—	—	—	—	—	—	—
5371	1900	522	1.97	568	2.30	—	—	—	—	—	—	—	—
5654	2000	526	2.12	570	2.46	613	2.82	—	—	—	—	—	—
6219	2200	538	2.48	577	2.81	617	3.17	656	3.56	—	—	—	—
6785	2400	553	2.89	589	3.23	625	3.60	661	3.99	733	4.83	—	—
7350	2600	571	3.37	603	3.72	636	4.09	669	4.48	736	5.34	803	6.28
7916	2800	590	3.92	621	4.28	651	4.66	682	5.06	743	5.92	805	6.86
8481	3000	611	4.55	640	4.92	668	5.31	697	5.72	754	6.59	811	7.53
9046	3200	634	5.25	660	5.64	687	6.04	714	6.46	767	7.35	821	8.30
9612	3400	657	6.03	682	6.44	707	6.86	732	7.29	783	8.20	833	9.17
10177	3600	680	6.90	705	7.33	729	7.76	753	8.21	800	9.14	847	10.13
10743	3800	705	7.86	728	8.31	751	8.76	774	9.23	819	10.19	—	—
11308	4000	730	8.91	752	9.38	774	9.85	796	10.34	839	11.33	—	—
11873	4200	755	10.06	777	10.55	798	11.05	819	11.55	—	—	—	—
12439	4400	781	11.31	802	11.83	822	12.35	842	12.87	—	—	—	—
13004	4600	807	12.67	827	13.22	847	13.76	—	—	—	—	—	—
13570	4800	833	14.15	853	14.72	—	—	—	—	—	—	—	—

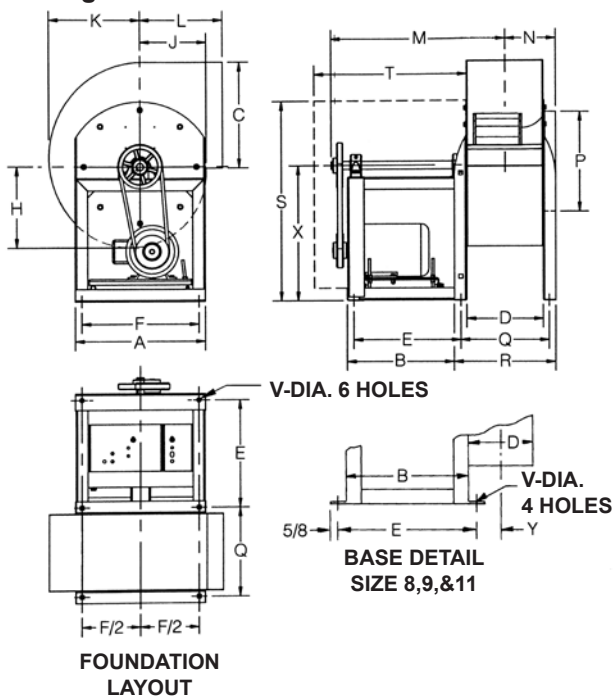


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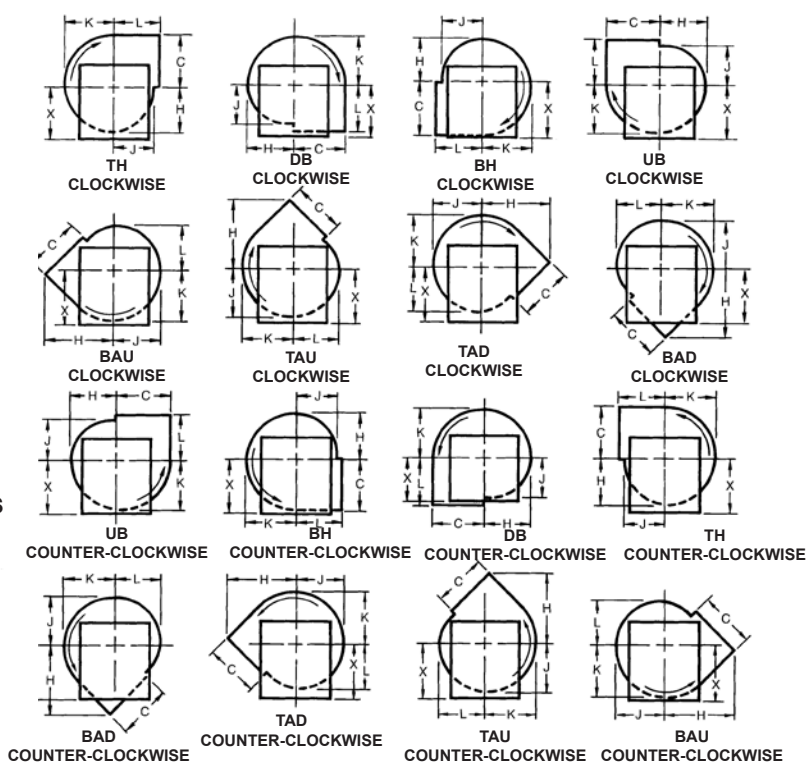
VOL CFM.	OUTLET VEL. FPM	.25 S.P.		.375 S.P.		.5 S.P.		.625 S.P.		.75 S.P.		.875 S.P.		1.0 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2766	800	209	0.19	252	0.28	—	—	—	—	—	—	—	—	—	—
3112	900	214	0.23	254	0.32	—	—	—	—	—	—	—	—	—	—
3458	1000	220	0.28	257	0.37	292	0.47	—	—	—	—	—	—	—	—
3804	1100	228	0.33	262	0.43	295	0.53	326	0.64	—	—	—	—	—	—
4150	1200	236	0.39	268	0.49	299	0.60	329	0.72	357	0.84	—	—	—	—
4495	1300	245	0.47	275	0.57	304	0.68	332	0.80	360	0.93	386	1.06	—	—
4841	1400	254	0.55	283	0.66	311	0.77	337	0.89	363	1.03	388	1.16	413	1.31
5187	1500	263	0.64	291	0.75	318	0.88	343	1.00	368	1.14	392	1.28	415	1.43
5533	1600	273	0.74	300	0.86	325	0.99	350	1.12	373	1.26	396	1.41	419	1.56
5879	1700	283	0.85	309	0.98	334	1.12	357	1.25	379	1.40	401	1.55	423	1.70
6224	1800	294	0.98	319	1.12	342	1.26	365	1.40	386	1.55	407	1.70	428	1.86
6570	1900	304	1.12	329	1.27	351	1.41	373	1.56	394	1.71	414	1.87	434	2.03
6916	2000	315	1.27	339	1.43	361	1.58	382	1.74	402	1.89	422	2.06	441	2.22
7608	2200	337	1.62	359	1.79	380	1.96	400	2.13	419	2.30	437	2.47	455	2.65
8299	2400	359	2.03	381	2.22	400	2.41	419	2.59	437	2.77	455	2.96	472	3.15
8991	2600	381	2.50	402	2.72	421	2.92	439	3.12	456	3.32	473	3.52	489	3.72
9682	2800	404	3.05	424	3.28	442	3.51	460	3.72	476	3.94	492	4.15	508	4.37
10374	3000	427	3.67	446	3.93	464	4.17	481	4.41	497	4.64	512	4.87	527	5.10
11066	3200	450	4.38	469	4.66	486	4.92	502	5.18	518	5.43	532	5.68	547	5.92
11757	3400	473	5.17	491	5.48	508	5.76	524	6.04	539	6.31	553	6.57	567	6.83
12449	3600	496	6.06	514	6.39	531	6.69	546	6.99	560	7.28	574	7.56	588	7.84
13140	3800	520	7.04	537	7.39	553	7.73	568	8.04	582	8.35	596	8.66	609	8.95
13832	4000	543	8.12	560	8.51	576	8.86	590	9.20	604	9.53	617	9.86	630	10.17
14524	4200	567	9.32	583	9.73	599	10.11	613	10.47	626	10.83	639	11.17	652	11.51
15215	4400	590	10.62	607	11.06	622	11.47	636	11.86	649	12.23	661	12.60	673	12.95
15907	4600	614	12.05	630	12.52	645	12.95	658	13.36	671	13.76	684	14.15	696	14.52
16598	4800	638	13.60	654	14.09	668	14.55	681	14.99	694	15.41	706	15.82	718	16.22
17290	5000	662	15.28	677	15.80	691	16.29	704	16.75	717	17.20	729	17.63	740	18.05
17982	5200	686	17.10	701	17.65	714	18.16	727	18.65	740	19.12	751	19.58	763	20.02
18673	5400	710	19.05	724	19.63	738	20.17	751	20.69	763	21.19	774	21.67	—	—
19365	5600	734	21.15	748	21.76	761	22.33	774	22.88	—	—	—	—	—	—
20056	5800	758	23.40	772	24.04	—	—	—	—	—	—	—	—	—	—

VOL CFM.	OUTLET VEL. FPM	1.25 S.P.		1.50 S.P.		1.75 S.P.		2.0 S.P.		2.5 S.P.		3.0 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5187	1500	461	1.75	—	—	—	—	—	—	—	—	—	—	—	—
5533	1600	462	1.88	505	2.23	—	—	—	—	—	—	—	—	—	—
5879	1700	465	2.03	506	2.39	—	—	—	—	—	—	—	—	—	—
6224	1800	468	2.19	507	2.55	546	2.94	—	—	—	—	—	—	—	—
6570	1900	473	2.38	510	2.74	547	3.13	583	3.54	—	—	—	—	—	—
6916	2000	478	2.57	514	2.94	550	3.34	584	3.75	—	—	—	—	—	—
7608	2200	490	3.02	524	3.41	557	3.81	590	4.24	653	5.15	—	—	—	—
8299	2400	505	3.54	536	3.94	567	4.36	598	4.80	657	5.73	715	6.73	—	—
8991	2600	520	4.13	550	4.55	580	4.99	609	5.44	665	6.40	719	7.42	772	8.50
9682	2800	537	4.80	566	5.25	594	5.71	621	6.18	674	7.16	726	8.21	776	9.32
10374	3000	555	5.56	583	6.03	609	6.51	635	7.00	686	8.02	735	9.09	—	—
11066	3200	574	6.41	600	6.91	626	7.41	651	7.92	699	8.98	746	10.08	—	—
11757	3400	593	7.35	619	7.88	644	8.40	667	8.94	714	10.03	759	11.18	—	—
12449	3600	613	8.40	638	8.95	662	9.50	685	10.06	730	11.20	773	12.38	—	—
13140	3800	634	9.54	658	10.12	681	10.71	703	11.29	746	12.48	—	—	—	—
13832	4000	654	10.80	678	11.41	700	12.02	722	12.64	763	13.88	—	—	—	—
14524	4200	675	12.17	698	12.81	720	13.46	741	14.10	—	—	—	—	—	—
15215	4400	697	13.65	719	14.34	740	15.01	761	15.69	—	—	—	—	—	—
15907	4600	718	15.26	740	15.98	761	16.70	—	—	—	—	—	—	—	—
16598	4800	740	17.00	761	17.76	—	—	—	—	—	—	—	—	—	—
17290	5000	762	18.87	—	—	—	—	—	—	—	—	—	—	—	—

Arrangement #10



All Positions Viewed From Drive Side



SIZE	WHEEL DIA.	SHAFT DIA.	A	B	C*	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				BAU, TAU, TAD, BAD ANGULAR DISCHARGE			
									H	J	K	L	H	J	K	L
8	7 3/4	3/4	9 1/8	13	8 1/4	5 3/8	14 1/4	7 1/2	6	4 5/8	6 3/4	6 7/8	10 3/8	6 1/4	7 3/8	5 1/4
9	9	3/4	10 3/8	13	10 3/4	6 1/2	14 1/4	8 3/8	6 3/4	5 5/8	7 3/4	7 1/8	11 5/8	7 1/2	8 1/4	6 1/8
11	10 1/2	3/4	12 7/8	13	11 3/4	8	14 1/4	10 3/4	7 7/8	6 3/4	9 1/8	8 1/16	13 1/4	8 7/8	9 5/8	7 1/8
12	12 1/4	1	16 3/8	13 1/2	13 1/4	9 5/8	13 1/2	14 3/4	10 1/8	8 1/2	11 1/2	10 1/2	16 5/8	10 3/4	12 1/2	9 1/8
13	13 1/2	1	17 5/8	13 1/2	14 5/8	10 3/4	13 1/2	16	11 1/8	9 3/8	12 5/8	11 3/8	18 1/4	11 7/8	13 3/4	10
15	15	1	19 1/4	15 1/2	16 1/4	11 3/4	15 1/2	17 5/8	12 3/8	10 3/8	14 1/8	12 3/8	20 1/8	13 1/4	15 1/4	11 1/8
16	16 1/4	1	21 3/8	15	17 3/4	13	15 1/2	19 3/4	13 5/8	11 3/8	15 1/2	13 3/8	21 7/8	14 5/8	16 3/4	12 1/4
18	18 1/4	1 3/16	23 1/8	17	19 5/8	14 1/4	17 1/2	21 1/2	15	12 5/8	17 1/8	14 5/8	24 1/8	16	18 1/2	13 5/8
20	20	1 3/16	25	17	21 1/2	15 7/8	17	23 3/8	16 1/2	13 3/4	18 3/4	15 3/4	26 3/8	17 5/8	20 3/8	14 7/8
22	22 1/4	1 3/16	27 3/8	16 1/2	24	17 3/8	17	25 3/4	18 1/4	15 1/4	20 7/8	17 1/4	29	19 1/2	22 5/8	16 1/2
24	24 1/2	1 3/16	30 1/4	16 1/2	26 1/4	19 1/4	16 3/4	25 5/8	20 1/8	16 7/8	23	19 7/8	32 1/2	21 1/2	24 7/8	18 1/4

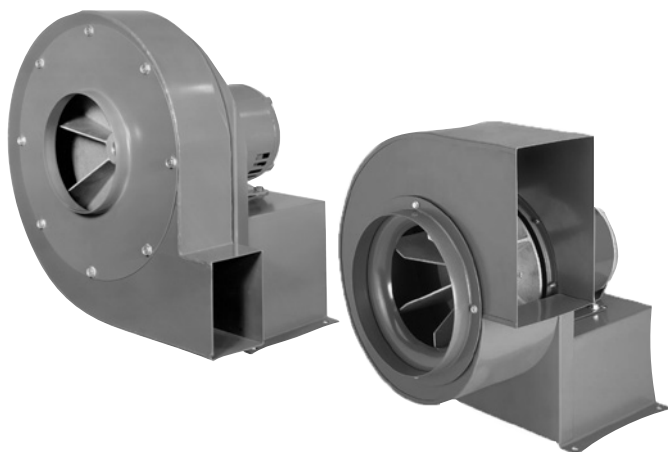
SIZE	M	N	P	Q	R	S	T	V	X	Y	MAX MOTOR FRAME
8	20 1/8	3 3/4	8	—	—	18	18 1/2	7/16	12	2 3/16	145T
9	20 3/4	4 5/16	9	—	—	18	18 1/2	7/16	12	2 3/4	145T
11	21 1/2	5 1/8	10	—	—	20 1/2	18 1/2	1/2	14	3 1/2	145T
12	23 7/8	6 3/8	13 1/4	11 1/4	12 3/4	25 1/4	20	1/2	17	—	182T
13	24 3/8	7	14 1/2	12 3/8	13 7/8	25 7/8	20	1/2	17	—	182T
15	26 7/8	7 1/2	16 1/8	13 3/8	14 7/8	27 5/8	22	1/2	17 7/8	—	182T
16	27 1/2	8 1/2	14 7/8	14 1/2	17	30 1/8	22	1/2	19 1/2	—	184T
18	30 5/8	9 1/8	19 5/8	15 3/4	18 1/4	33 3/8	25	1/2	21 7/8	—	184T
20	31 1/2	10	21 1/2	17 7/8	20 1/8	36 1/4	25	1/2	23 3/4	—	213T
22	32 3/4	10 5/8	23 7/8	19 3/8	22 5/8	39 3/4	26	1/2	16 1/8	—	213T
24	33 5/8	11 3/4	26 3/8	21 1/4	24 1/4	42 7/8	26	1/2	27 3/4	—	215T

NOTE: Letters "C" and "D" are outside housing dimensions. "C" dimension extends beyond center-line, size #8 (5/16), size #9 (19/16) & size #11 (11/16)



MODELS PW & KE

RADIAL BLADE BLOWER



MODEL FEATURES

- Weather proof drive cover
- Self cleaning wheel
- Motorized dampers
- Vibration pads
- Acid resistant coating

MODEL OVERVIEW

The PW & KE feature a self cleaning wheel. KE may be used on small kitchen hoods. PW & KE are used for exhaust applications where dirt, lint or other foreign material is in the air stream. They are used successfully in a variety of applications including but not limited to dust collection, mining applications, agricultural and industrial drying equipment, commercial laundry drying applications and hazardous fume exhaust. Open proof ball bearing motors in single and three phase voltages are standard. TEFC and explosion proof are also available.

Direct Drive Radial Blade Blower Performance Data

PW Series

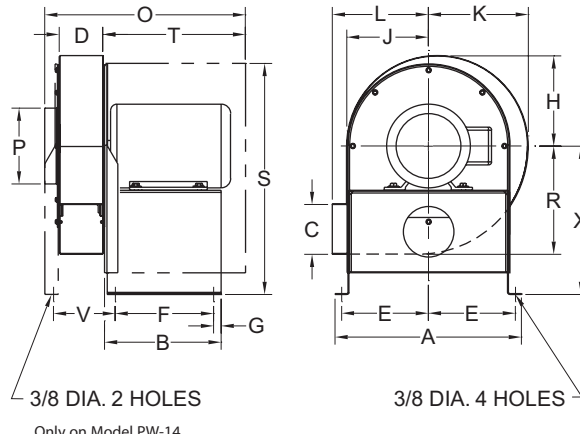
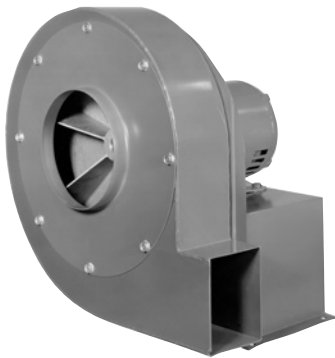
MODEL NO.	CFM @ STATIC PRESSURE (in w.g.)																MOTOR HP	BLOWER RPM	
	0.25	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0			12.0
PW-8	283	274	256	237	216	192	165	129	70	—	—	—	—	—	—	—	—	1/3	3500
PW-9	475	465	445	423	399	374	346	316	282	195	—	—	—	—	—	—	—	3/4	3500
PW11	786	772	746	719	692	664	635	606	575	508	431	329	—	—	—	—	—	1 1/2	3500
PW-12	1185	1171	1145	1117	1090	1062	1033	1004	974	911	842	765	672	549	—	—	—	3	3500
PW-14	—	—	—	—	—	—	—	—	—	1685	1587	1482	1367	1236	1081	874	474	5	3500
PW-14	2100	2079	2037	1995	1952	1909	1866	1822	1777	1685	1587	1482	1367	1236	1081	874	474	7 1/2	3500

KE Series

MODEL NO.	CFM @ STATIC PRESSURE (in w.g.)														MOTOR HP	BLOWER RPM
	0.0	0.125	0.25	0.375	0.5	0.625	0.75	1.0	1.25	1.5	1.75	2.0	2.25			
KE-8	533	493	448	396	334	250	93	—	—	—	—	—	—	—	1/3	1725
KE-9	909	848	788	724	655	572	462	—	—	—	—	—	—	—	1/3	1725
KE-11	1593	1524	1457	1386	1309	1225	1134	916	617	97	—	—	—	—	3/4	1725
KE-12	2461	2400	2331	2257	2179	2096	2007	1807	1564	1252	812	166	—	—	1 1/2	1725
KE-14	3393	3307	3221	3134	3046	2956	2863	2664	2438	2164	1786	1181	666	—	2	1725

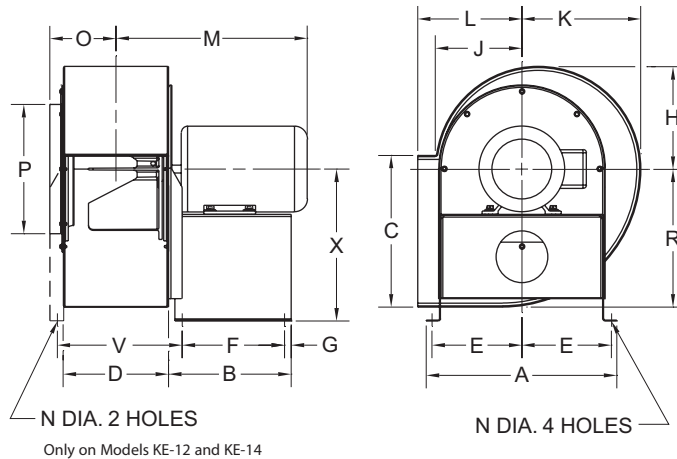
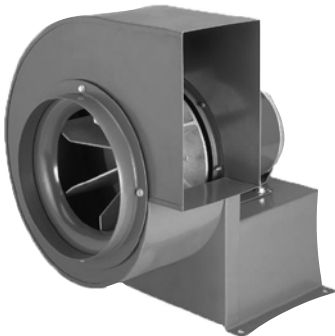
Clockwise rotation, bottom horizontal discharge is standard. Counter clockwise rotation and/or different directions are available upon request.

Radial Blade Blower Dimensions



Pressure Blower Direct Drive Dimensions

MODEL NO.	WHEEL	BORE	A	B	C	D	E	F	G	H	J	K	L	O	P	R	X	S	T	Y
PW-8	7 3/4 X 2 1/4	1/2	11	8	3	3	5	7	1/2	5 3/8	4 7/8	5 7/8	5 7/8	16	4	6 5/8	8 1/2	13 1/8	12	—
PW-9	9 X 2 3/4	1/2	12 1/8	8	3 1/2	3 1/2	5 5/8	7	1/2	6 3/8	5 3/4	6 7/8	6 3/4	20 3/4	5	7 1/2	9 3/8	14 5/8	16	—
PW11	10 5/8 X 3	5/8	14 3/4	9	4	3 1/2	6 7/8	7 1/2	3/4	7 1/4	6 1/2	8	7 5/8	20 3/4	6	8 5/8	11 3/4	18 1/4	16	—
PW-12	12 1/2 X 3	7/8	17	9	5	4	8	6 1/2	3/4	8 1/4	7 1/2	9	9 5/8	20 1/8	7	10	10 5/8	18 3/8	15	—
PW-14	13 1/2 X 4 3/8	1 1/8	17 5/8	11 1/4	7 1/8	5 3/4	8	9 9/16	1	10 1/2	9 5/8	11 3/8	11	22	8	11 1/2	12 5/8	21 1/2	15	7



Radial Blade Blower Direct Drive Dimensions

MODEL NO.	WHEEL	BORE	A	B	C	D	E	F	G	H	J	K	L	M*	N	O	P	R	V	X
KE-8	7 3/4 X 4	1/2	11	8	8 1/4	5 3/8	5	7	1/2	6	4 5/8	6 3/4	6 7/8	10 3/4	3/8	3 3/4	8	8	—	8 1/2
KE-9	9 X 5	1/2	12 1/8	8	10 3/4	6 1/2	5 5/8	7	1/2	6 3/4	5 5/8	7 3/4	7 1/8	11 3/4	3/8	4 5/16	9	9 1/4	—	9 3/8
KE-11	10 7/8 X 5 5/8	5/8	14 3/4	9	11 3/4	8	6 7/8	7 1/2	3/4	8	6 3/4	9 1/8	8 1/8	13 1/4	3/8	5 1/16	10	10 3/4	—	11 3/4
KE-12	12 1/2 X 7 1/2	7/8	16 3/8	10 1/2	13 1/4	9 5/8	7 3/8	8 3/4	7/8	10 1/8	8 1/2	11 1/2	10 1/2	15 3/16	9/16	6 3/8	13 1/4	13 1/4	11 1/8	17
KE-14	13 1/2 X 8 1/8	7/8	17 5/8	10 1/2	14 5/8	10 3/4	8	8 3/4	7/8	11 1/8	9 3/8	12 5/8	11 3/8	16 3/4	9/16	7	14 1/2	14 5/8	12 1/4	17

* "M" varies with motor frame size



MODELS D

FORWARD CURVED DIRECT DRIVE UTILITY FAN



MODEL FEATURES

- Weather proof drive cover
- Inlet & outlet screens
- Motorized dampers
- Vibration pads
- Discharge damper

MODEL OVERVIEW

The standard “D” Series is used for general ventilation with ducting where ever lower cfm, static and sound are required. The High Speed “D” Series will handle higher static pressure and is used with garage monoxide system and industrial applications. Housing and bases are manufactured with 16 gauge steel and finished with baked powdered polyester paint. The forward curved wheels are dynamically balanced and equipped with cast iron hubs. Open drip proof fan duty motors in common voltages are standard. TEFC, Explosion Proof and other configured motors are available as required.

Direct Drive Blower Performance Data

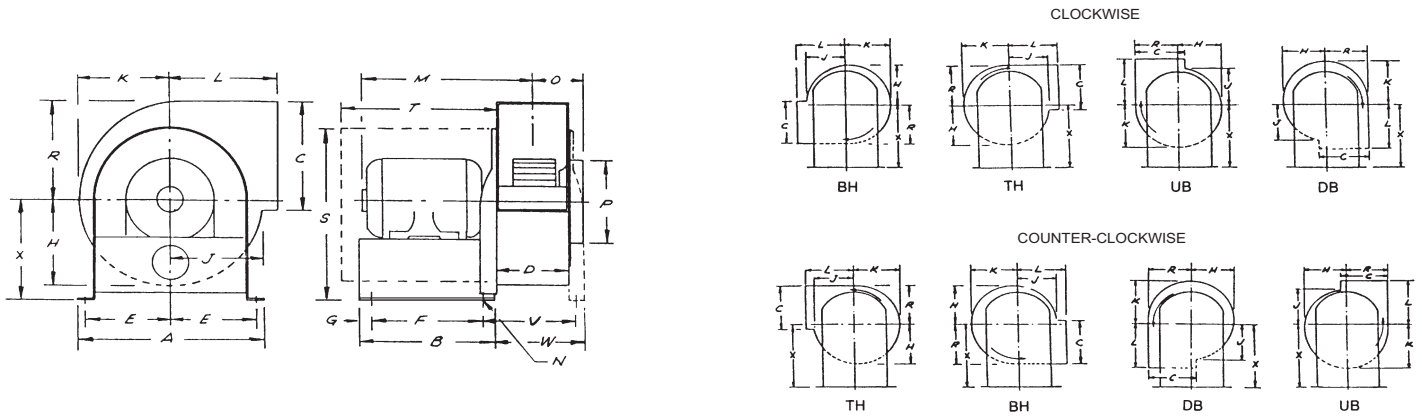
MODEL NO.	MOTOR HP	BLOWER RPM	FREE AIR		1/8		1/4		3/8		1/2		5/8		3/4		1		1 1/4	
			CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV
D5A	1/6	1750	184	1630	169	1500	144	1275	112	995	—	—	—	—	—	—	—	—	—	—
D6AA	1/6	1150	390	1880	330	1590	250	1205	100	480	—	—	—	—	—	—	—	—	—	—
D6AB	1/6	1750	595	2865	560	2700	515	2480	470	2265	420	2025	365	1760	300	1445	—	—	—	—
D8A	1/6	1150	760	2570	680	2300	620	2095	535	1810	430	1455	—	—	—	—	—	—	—	—
D8C	1/2	1750	1150	3885	1085	3665	1050	3550	1005	3400	960	3240	915	3090	865	2920	750	2535	580	1960
D9A	1/6	850	875	1870	835	1785	780	1665	680	1450	470	1005	—	—	—	—	—	—	—	—
D9C	1/3	1150	1180	2520	1160	2480	1125	2400	1090	2325	1035	2210	963	2060	855	1825	—	—	—	—
D11D	1/2	850	1520	2395	1380	2170	1290	2025	1145	1800	1010	1585	860	1350	—	—	—	—	—	—
D11E	3/4	1150	2060	3240	1970	3095	1870	2940	1800	2830	1710	2690	1605	2525	1500	2355	1290	2030	1020	1605
D12E	3/4	850	2475	2885	2365	2760	2260	2640	2140	2495	2015	2350	1885	2200	1725	2010	1245	1450	—	—
D12H	2	1150	3350	3900	3275	3815	3195	3725	3115	3630	3025	3530	2940	3430	2850	3320	2660	3100	2450	2855

High Speed Blower Performance Data

MODEL NO.	MOTOR HP	BLOWER RPM	1/2		3/4		1		1 1/4		1 1/2		1 3/4		2		2 1/4		2 1/2		2 3/4		
			CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	
D9D	1/2	1750	WILL OVERLOAD MOTOR				895	1910	810	1730	735	1570	615	1315	—	—	—	—	—	—	—	—	
D9E	3/4	1150	WILL OVERLOAD MOTOR				—	—	1550	3310	1445	3085	1290	2755	1100	2345	—	—	—	—	—	—	
D9F	1	1750	1720	3670	1675	3580	1620	3460	1550	3310	1445	3085	1290	2755	1100	2345	—	—	—	—	—	—	
D11F	1	1150	WILL OVERLOAD MOTOR									1425	3070	1280	2760	1120	2415	910	1960	—	—		
D11G	1 1/2	1750	WILL OVERLOAD MOTOR									1840	3970	1730	3730	1600	3455	1450	3130	1280	2760	1040	2240
D11H	2	1750	WILL OVERLOAD MOTOR									2415	3795	2240	3520	2130	2910	1660	2610	3345	1990	3130	1850



Direct Drive Blowers - Arrangement #4



Direct Drive Blower Dimensions

MODEL NO.	WHEEL	A	B	C	D	E	F	G	H	J	K	L	M*	N	O	P	R	S	T	V	W	X	MAX MOTOR FRAME
D5A	4 1/2 x 2 1/2	8 3/8	7	5 1/8	3 3/8	3 3/4	6	1/2	3 1/2	3 1/8	3 3/4	4 1/8	11 1/2	3/8	2 3/4	4	4 5/8	8 5/8	9 1/2	—	—	5 1/4	48
D5A	4 3/4 x 2 1/4	8 3/8	7	5 1/8	3 3/8	3 3/4	6	1/2	3 1/2	3 1/8	3 3/4	4 1/8	11 1/4	3/8	2 3/4	4	4 5/8	9 1/8	9 1/2	—	—	5 3/4	56
D6AA D6AB	6 1/4 x 3	9 3/8	8	7 3/8	4 1/4	4 1/4	7 1/2	1/2	5	4	6	5	11 7/8	3/8	3 1/8	6	7 1/8	12 3/8	12	—	—	8 1/2	48
D6AA D6AB	6 1/4 x 3	9 3/8	8	7 3/8	4 1/4	4 1/4	7 1/2	1/2	5	4	6	5	11 5/8	3/8	3 1/8	6	7 1/8	12 7/8	12	—	—	9	56
D8A D8C	7 3/4 x 3 7/8	11	8	8 1/4	5 3/8	5	7	1/2	6	4 5/8	6 3/4	6 7/8	12 1/2	3/8	3 3/4	8	8	13 1/8	12	—	—	8 1/2	48
D8A D8C	7 3/4 x 3 7/8	11	8	8 1/4	5 3/8	5	7	1/2	6	4 5/8	6 3/4	6 7/8	12 1/4	3/8	3 3/4	8	8	13 5/8	12	—	—	9	56
D9A D9C	9 x 4 1/2	12 1/8	8	10 3/4	6 1/2	5 5/8	7	1/2	6 3/4	5 5/8	7 3/4	7 1/8	13 1/4	3/8	4 3/8	9	9 1/4	14 1/2	16	—	—	9 3/8	48
D9A D9C	9 x 4 1/2	12 1/8	8	10 3/4	6 1/2	5 5/8	7	1/2	6 3/4	5 5/8	7 3/4	7 1/8	13	3/8	4 3/8	9	9 1/4	15	16	—	—	9 7/8	56
D11D D11E	10 5/8 x 5 1/4	14 3/4	9	11 3/4	8	6 7/8	7 1/2	3/4	8	6 3/4	9 1/8	8 1/8	13 7/8	3/8	5	10	10 3/4	18 1/4	16	—	—	11 3/4	56/145T
D11D D11E	10 5/8 x 5 1/4	14 3/4	11 1/2	11 3/4	8	6 7/8	10	3/4	8	6 3/4	9 1/8	8 1/8	15 1/2	3/8	5	10	10 3/4	17 3/4	16	—	—	11 3/4	182T/ 184T
D12D D12E D12H	12 1/2 x 6 1/2	16 3/8	13	13 1/4	9 5/8	7 3/8	9 3/4	2 1/2	10 1/8	8 1/2	11 1/2	10 1/2	16 3/8	9/16	6 1/2	13 1/4	13 1/4	24 1/4	20	11 1/4	11 1/4	17	182T/ 184T
D12D D12E D12H	12 1/2 x 6 1/2	16 3/8	13	13 1/4	9 5/8	7 3/8	9 3/4	2 1/2	10 1/8	8 1/2	11 1/2	10 1/2	20 3/4	9/16	6 1/2	13 1/4	13 1/4	24 1/4	20	11 1/4	11 1/4	17	213T/ 215T

* "M" dimension will vary on type of motor used

High Speed Blower Dimensions

MODEL	HP	RPM	WHEEL	A	B	C	D	E	F	G	H	J	K	L	M*	N	O	P	R	X	MAX MOTOR FRAME
D9D	1/2	1750	9 x 3	12 1/8	8	10 3/4	6 1/2	5 5/8	7	1/2	6 3/4	5 5/8	7 3/4	7 1/8	13	3/8	4 3/8	9	9 1/4	9 7/8	56
D9E	3/4	1750	9 x 4 1/2	12 1/8	8	10 3/4	6 1/2	5 5/8	17	1/2	6 3/4	5 5/8	7 3/4	7 1/8	13	3/8	4 3/8	9	9 1/4	9 7/8	56
D9F	1	1750	9 x 4 1/2	12 1/8	8	10 3/4	6 1/2	5 5/8	7	1/2	6 3/4	5 5/8	7 3/4	7 1/8	14 1/4	3/8	4 3/8	9	9 1/4	9 7/8	56/145T
D9F	1	1750	9 x 4 1/2	12 1/8	11	10 3/4	6 1/2	5 5/8	10	1/2	6 3/4	5 5/8	7 3/4	7 1/8	15	3/8	4 3/8	9	9 1/4	10 7/8	182/184T
D11F	1	1750	10 5/8 x 3	14 3/4	9	11 3/4	5 7/8	6 7/8	7 1/2	3/4	8	6 3/4	9 1/8	8 1/8	12 3/4	3/8	4	10	10 3/4	11 1/4	56/145T
D11F	1	1750	10 5/8 x 3	14 3/4	11 1/2	11 3/4	5 7/8	6 7/8	10	3/4	8	6 3/4	9 1/8	8 1/8	14 5/8	3/8	4	10	10 3/4	11 1/4	182/184T
D11G	1 1/2	1750	10 5/8 x 4	14 3/4	9	11 3/4	5 7/8	6 7/8	7 1/2	3/4	8	6 3/4	9 1/8	8 1/8	12 3/4	3/8	4	10	10 3/4	11 1/4	56/145T
D11G	1 1/2	1750	10 5/8 x 4	14 3/4	11 1/2	11 3/4	5 7/8	6 7/8	10	3/4	8	6 3/4	9 1/8	8 1/8	14 5/8	3/8	4	10	10 3/4	11 1/4	182/184T
D11H	2	1750	10 5/8 x 5 1/4	14 3/4	9	11 3/4	8	6 7/8	7 1/2	3/4	8	6 3/4	9 1/8	8 1/8	13 7/8	3/8	5	10	10 3/4	11 1/4	56/145T
D11H	2	1750	10 5/8 x 5 1/4	14 3/4	11 1/2	11 3/4	8	6 7/8	10	3/4	8	6 3/4	9 1/8	8 1/8	15 1/2	3/8	5	10	10 3/4	11 1/4	182/184T

* "M" dimension will vary on type of motor used

Gravity Vents Intake/Relief Index

**GRAVITY VENTILATORS
SIZING 66**

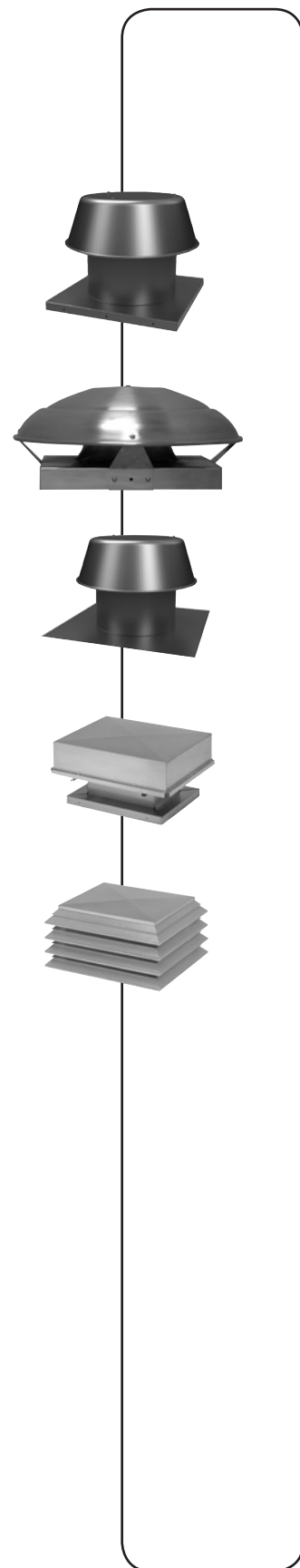
MODEL RCXII (Sizes 6-20) 67

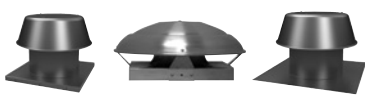
MODEL RCXII (Sizes 24-36) 67

MODEL RCXII-SF 67

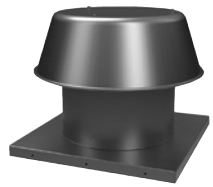
MODEL BGH 71

MODEL RLX 79





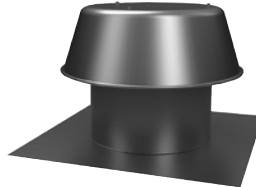
GRAVITY VENTILATORS SIZING



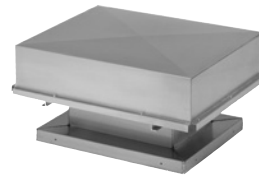
RCXII (sizes 6-20)



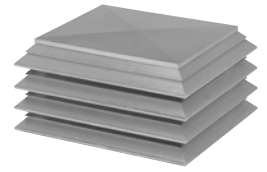
RCXII (sizes 24-36)



RCXII-SF



BGH



RLX

Sizing

The tables shown offer quick selections at common static pressure points. Selection choices vary widely due to field conditions and size choices. The following formulas are useful in making selections:

$$(A) \text{ Throat Area} = \frac{\text{CFM}}{\text{Velocity}}$$

$$(B) \text{ Throat Velocity} = \frac{\text{CFM}}{\text{Throat Area}}$$

$$(C) \text{ Velocity Pressure} = \left[\frac{\text{Throat Velocity}}{4005} \right]^2$$

(D) Determine new static pressure when CFM is known:

$$SP_2 = SP_1 \times \left[\frac{\text{CFM}_2}{\text{CFM}_1} \right]^2$$

CFM₂ = Specified airflow

CFM₁ = Known CFM from table selection

SP₂ = Static pressure to be determined

SP₁ = Static pressure in table corresponding to CFM

(Ex.) Determine new unknown CFM when static pressure is known:

$$\text{CFM}_2 = \text{CFM}_1 \times \left[\sqrt{\frac{SP_2}{SP_1}} \right]$$

CFM₂ = Unknown

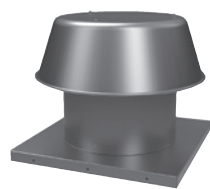
CFM₁ = Catalog CFM

SP₂ = New static pressure where CFM is unknown

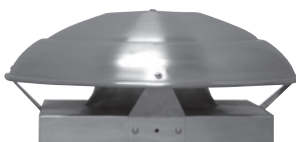
SP₁ = Known static pressure from known CFM (CFM₁)

MODELS RCXII/RCXII-SF

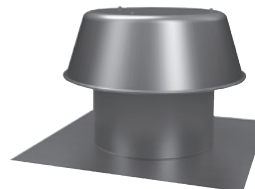
RELIEF/INTAKE GRAVITY VENTILATORS



RCXII (sizes 6-20)



RCXII (sizes 24-36)



RCXII-SF

MODEL FEATURES

- Exhaust or Supply air up to 10,400 CFM in static pressure applications up to .35" w.g.
- All heavy-gauge aluminum construction
- Integral galvanized birdscreen
- Curb mounted or Self-flashing models

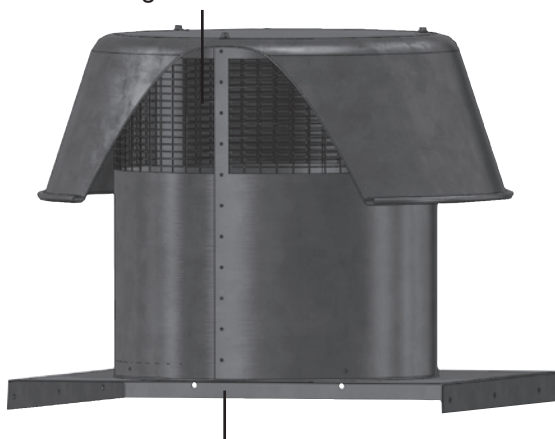
MODEL OVERVIEW

Model RCXII and RCXII-SF relief or intake ventilators feature low contour spun aluminum hoods for an attractive appearance. They are designed to exhaust or supply air from or to an enclosed area without the need for a power operated fan. Available in two styles, these fans range in sizes from 6-36. The RCXII (curb) has a curb cap found on most roof ventilators and must be mounted on a roof curb (sold separately). Model RCXII-SF (self-flashing) has an extra wide, flat base that installed under roof shingles and does not require a roof curb. Both styles come standard with a galvanized bird screen

Model RCXII and RCXII-SF rely on a difference in static pressure inside and outside the area to create an airflow through the ventilator from the area of higher pressure to the area of lower pressure. If the enclosed area is under a negative pressure, air will flow into the enclosed area (intake). If the enclosed area has a positive pressure, air will flow from it to the outside (relief).

These units can also operate as gravity ventilators, allowing air to flow from an enclosed area using the "Stack Effect." The amount of air flow will depend on the temperature difference inside and outside the area and the height difference between the ventilator and the outside air intake to the area.

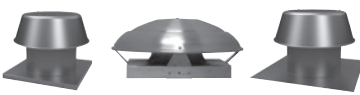
Integral Birdscreen



Available in Curb Mount or Self-Flashing versions

Industry best 5 year fan housing warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.



CONSTRUCTION/SPECIFICATION CHECKLIST

- Five year warranty.
 - Low contour spun aluminum hood for attractive appearance.
 - All heavy-gauge aluminum construction.
 - Weather resistance design for long life and maintenance free operation.
 - Galvanized birdscreen is standard.
 - Available in 13 sizes for a wide range of performance capabilities.
 - RCXII has one-piece curb cap with spun inlet for maximum efficiency.
 - RCXII-SF is self flashing.
 - Shipped completely assembled for ease in installation.
-

OPTIONS/ACCESSORIES

Roof Curb: Prefabricated heavy-gauge galvanized steel, Clip Lock, 14” high (other heights are also available) with 1-1/2” wood nailer. Assures perfect fit of to roof opening. Options include burglar bars, single or double pitch construction and hinged curbs for easy duct access.

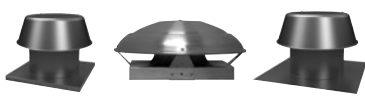
Motor Operated Damper: Motor operated aluminum damper for positive closure against backdraft.



Automatic Damper: Automatic aluminum damper for ease in installation and effective backdraft protection.

Special Coatings: for protective and decorative purposes. Available coatings include: Synthetic Resin, Epoxy, and Heresite (air-dried phenolic). Contact your representative or the factory for more information on available coatings and colors.

Insect/Weather Screen: Helps prevent insects, snow, airborne mist or water droplets from entering on supply applications exceeding 650 FPM velocity.

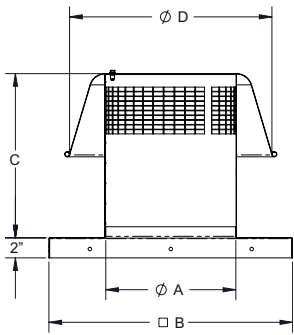


MODELS RCXII/RCXII-SF
RELIEF/INTAKE GRAVITY VENTILATORS



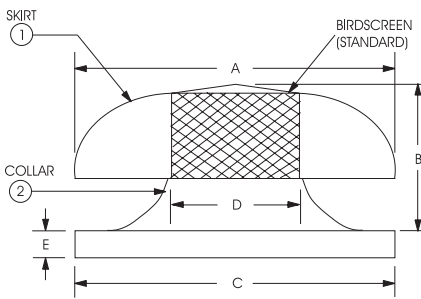
DIMENSIONS

RCXII (sizes 6-20)



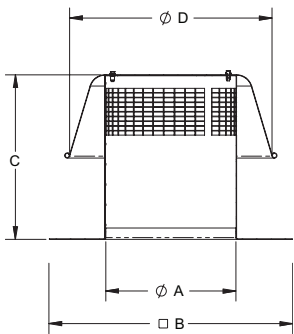
Size	A	B	C	D
06	7	16.5	8	18
08	9	16.5	10	18
10	11	24	10	25
12	13	24	10	25
14	15	24	12	32
16	17	24	14	32
18	19	29.5	14	32
20	21	29.5	16	36

RCXII (sizes 24-36)

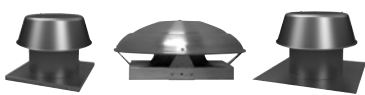


Size	Neck Area sq. ft.	Dimensions (Inches)					Metal Ga.	
		A	B	C	D	E	1	2
24	3.30	43-3/4	12-1/2	35-1/2	24-5/8	2	0.063	0.063
26	3.69	43-3/4	17-3/8	35-1/2	26	2	0.063	0.063
30	5.16	43-3/4	17-3/8	42-1/2	30-3/4	2	0.063	0.080
33	5.94	54-3/4	17-3/8	42-1/2	33	2	0.100	0.080
36	7.06	54-3/4	17-3/8	42-1/2	36	2	0.100	0.080

RCXII-SF



Size	A	B	C	D
06	7	18	10	14
08	9	18	12	14
10	11	24	14	20
12	13	24	16	20
14	15	28	18	27
16	17	28	20	27
18	19	28	22	27
20	21	32	22	30



PERFORMANCE DATA

Models RCXII (sizes 6-20) and Models RCXII-SF

Relief	Throat Area Ft ²	.025	.050	.100	.125	.150	.200	.250	.300	.350	BDD O.D Sq. (RCXII)	Prefab Curb Recom. O.D (RCXII)
6	0.3	93	131	185	207	227	262	293	320	346	8	14-3/4
8	0.4	221	313	442	494	541	625	699	766	827	8	14-3/4
10	0.7	297	420	594	664	727	840	939	1029	1111	12	22-1/4
12	0.9	493	697	986	1102	1208	1394	1559	1708	1845	12	22-1/4
14	1.2	604	853	1207	1349	1478	1707	1908	2091	2258	12	22-1/4
16	1.6	746	1055	1492	1668	1827	2110	2359	2584	2791	12	22-1/4
18	2.0	919	1300	1838	2055	2251	2599	2906	3184	3439	20	27-3/4
20	2.4	1127	1593	2253	2519	2759	3186	3562	3902	4215	20	27-3/4

Intake	Throat Area Ft ²	.025	.050	.100	.125	.150	.200	.250	.300	.350	BDD O.D Sq. (RCXCII)	Prefab Curb Recom. O.D (RCXII)
6	0.3	64	91	128	143	157	181	202	222	239	8	14-3/4
8	0.4	148	209	296	331	363	419	468	513	554	8	14-3/4
10	0.7	202	286	404	452	495	571	639	700	756	12	22-1/4
12	0.9	330.5	467	661	739	810	935	1045	1145	1237	12	22-1/4
14	1.2	440.5	623	881	985	1079	1246	1393	1526	1648	12	22-1/4
16	1.6	552	781	1104	1234	1352	1561	1746	1912	2065	12	22-1/4
18	2.0	707.5	1001	1415	1582	1733	2001	2237	2451	2647	20	27-3/4
20	2.4	856	1211	1712	1914	2097	2421	2707	2965	3203	20	27-3/4

Insect Screens - Add .10 to area shown in table.

Damper - Add .10 to area shown in table.

Refer to page 68 for formulas for help in sizing.

Model RCXII (sizes 24-36)

Relief	Throat Area Ft ²	.030	.060	.090	.125	.150	.200	.250	.300	BDD O.D Sq. (RCXII)	Prefab Curb Recom. O.D (RCXII)
24	3.30	1535	2168	2656	3128	3429	3960	4425	4851	26	33-3/4
26	3.69	1716	2424	2970	3498	3834	4428	4948	5424	26	33-3/4
30	5.16	2399	3390	4154	4892	5361	6192	6920	7585	32	40-3/4
33	5.94	2762	3903	4782	5631	6172	7128	7966	8732	32	40-3/4
36	7.06	3283	4638	5683	6693	7335	8472	9467	10378	32	40-3/4

Intake	Throat Area Ft ²	.030	.060	.090	.125	.150	.200	.250	.300	BDD O.D Sq. (RCXII)	Prefab Curb Recom. O.D (RCXII)
24	3.30	1376	1944	2383	2808	3076	3551	3969	4346	26	33-3/4
26	3.69	1539	2173	2664	3140	3439	3970	4439	4860	26	33-3/4
30	5.16	2152	3039	3726	4391	4809	5552	6207	6796	32	40-3/4
33	5.94	2476	3499	4289	5055	5536	6391	7146	7823	32	40-3/4
36	7.06	2944	4158	5097	6008	6580	7597	8493	9298	32	40-3/4

Bold selections are over recommended 650 FPM. Pick next larger size or use optional weather screen.

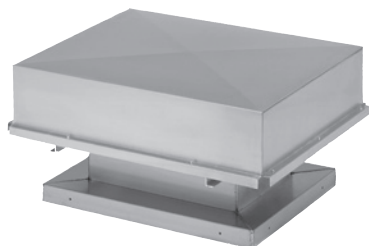
Insect Screens - Add .10 to area shown in table.

Damper - Add .10 to area shown in table.

Refer to page 68 or formulas for help in sizing.

MODEL BGH

FABRICATED GRAVITY RELIEF/INTAKE VENTILATOR



MODEL FEATURES

- Exhaust or Supply air up to 90,000 CFM in static pressure applications up to .25" w.g.
- Constructed of .050" aluminum
- Assembled with standing seams and snap-lock seams that are secured with spot welds
- Modern, low silhouette design that blends roof lines and other equipment

MODEL OVERVIEW

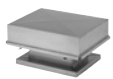
Model BGH gravity ventilator offers a modern low silhouette design that blends with roof lines and other equipment. Designed for maximum airflow passage and weathertight integrity, Model BGH comes in either intake or relief models in aluminum or galvanized finishes. An extensive range of sizes are offered with many standard and optional features. Exhaust models have a 1:1 ratio of hood perimeter opening to throat area and supply models incorporate a 2:1 ratio.

To meet other size or ventilation capacity requirements, in addition to those listed in the following tables, custom sized units are available upon request. Consult your representative or factory for specific details and performance capabilities.

CONSTRUCTION/SPECIFICATION CHECKLIST

- Generously sized throat and hood perimeter openings for low resistance and more efficient airflow.
- Hood is constructed of .050" aluminum and assembled with standing seams and snap lock seams that are secured with spot welds. No screws or rivets to break or work loose.
- Hood is reinforced and braced for extra rigidity and resistance to wind damage. Utilizes channels and structural angles throughout.
- All hoods are fabricated with 1/2" x 1/2" mesh galvanized welded screen as standard equipment. Screens are attached to full hood perimeter opening with stainless steel or zinc plated fasteners. Screens are omitted when hoods are equipped with filters.
- Full 360° perimeter hood opening for total wind action from any direction for more reliable airflow performance.
- Curb base constructed of .080" aluminum. All corners are miter cut. All seams and corners are continuous welded for strength and water tightness.
- Hoods have a special deflector flange on edge of perimeter opening for added protection against rain and snow. Wide overhang for storm protection.

Industry best 5 year fan housing warranty



OPTIONS/ACCESSORIES

Aluminum Birdscreens: Consists of .060" thick 1/2" x 1" diamond shape expanded aluminum. Attached to the full perimeter opening of the hood with stainless or zinc plated fasteners.

Hinged Hood: For easy access to backdraft dampers and to service filters and screens.

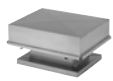
Insulated Hood: To reduce condensation drip. Offered in rubberized anti-condensate undercoating or as 1" thick fiberglass insulation.

Filters: Offered as 1" or 2" thick permanent type aluminum mesh mounted for easy cleaning and attached to full perimeter opening of the hood. Birdscreens are omitted when equipped with filters. *Note:* Add .17" to the area listed in the tables when using filters on AIR INTAKE ventilators.

Insect Screen: Consists of 18 mesh aluminum screen. Attached to the full perimeter opening of the hood. *Note:* When using insect screens on EXHAUST ventilators add .10" to the area listed in the tables. For INTAKE ventilators add .05" to the listed area.

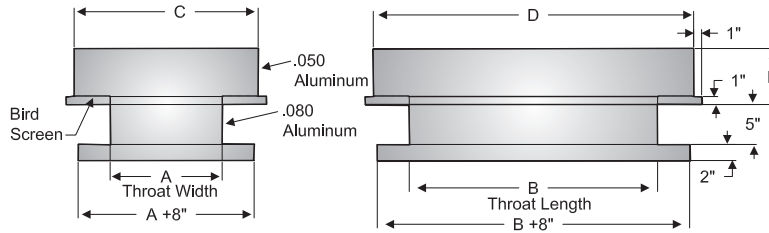
Roof Curb: Prefabricated heavy-gauge galvanized steel, Clip Lock, 14" high (other heights are also available) with 1-1/2" wood nailer. Assures perfect fit of to roof opening. Options include burglar bars, single or double pitch construction and hinged curbs for easy duct access.

Special Coatings: for protective and decorative purposes. Available coatings include: Synthetic Resin, Epoxy, and Heresite (air-dried phenolic). Contact your representative or the factory for more information on available coatings and colors.



PERFORMANCE/DIMENSIONS

Gravity Relief 1:1 Ratio

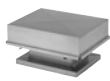


Dimensional Data					Throat Velocity in FPM @ Static Pressure - Relief				
Throat Area	Throat Size	Hood Size			536	758	848	1073	1200
					CFM @ Static Pressure - Relief				
	A x B	C	D	E	.050	.100	.125	.200	.250
1.00	12 x 12	18	18	7	536	758	848	1073	1200
1.50	12 x 18	19	25	7	804	1137	1272	1610	1800
2.00	12 x 24	20	32	7	1072	1516	1696	2146	2400
2.50	12 x 30	20	38	7	1340	1895	2120	2683	3000
3.00	12 x 36	21	45	7	1608	2274	2544	3219	3600
3.50	12 x 42	22	52	7	1876	2653	2968	3756	4200
4.00	12 x 48	23	57	7	2144	3032	3392	4292	4800
1.36	14 x 14	20	20	7	730	1032	1154	1460	1633
1.75	14 x 18	22	22	7	938	1327	1484	1878	2100
2.33	14 x 24	23	33	7	1251	1769	1979	2504	2800
2.92	14 x 30	23	39	7	1563	2211	2473	3130	3500
3.50	14 x 36	23	45	7	1876	2653	2968	3756	4200
4.08	14 x 42	24	52	7	2189	3095	3463	4381	4900
4.67	14 x 48	24	58	7	2501	3537	3957	5007	5600
5.25	14 x 54	24	64	7	2814	3980	4452	5633	6300
1.78	16 x 16	23	23	7	953	1348	1508	1908	2133
2.22	16 x 20	24	28	7	1191	1684	1884	2384	2667
2.67	16 x 24	25	33	7	1429	2021	2261	2861	3200
3.33	16 x 30	26	40	7	1787	2527	2827	3577	4000
4.00	16 x 36	26	46	7	2144	3032	3392	4292	4800
4.67	16 x 42	26	52	7	2501	3537	3957	5007	5600
5.33	16 x 48	27	59	7	2859	4043	4523	5723	6400
6.00	16 x 54	27	65	7	3216	4548	5088	6438	7200
6.67	16 x 60	27	71	7	3573	5053	5653	7153	8000
7.33	16 x 66	28	78	7	3931	5559	6219	7869	8800
2.25	18 x 18	26	26	8	1206	1706	1908	2414	2700
3.00	18 x 24	27	33	8	1608	2274	2544	3219	3600
3.75	18 x 30	28	40	8	2010	2843	3180	4024	4500
4.50	18 x 36	29	47	8	2412	3411	3816	4829	5400
5.25	18 x 42	29	53	8	2814	3980	4452	5633	6300
6.00	18 x 48	30	60	8	3216	4548	5088	6438	7200
6.75	18 x 54	30	66	8	3618	5117	5724	7243	8100
7.50	18 x 60	30	72	8	4020	5685	6360	8048	9000
8.25	18 x 66	31	79	8	4422	6254	6996	8852	9900
9.00	18 x 72	31	85	8	4824	6822	7632	9657	10800
2.78	20 x 20	29	29	9	1489	2106	2356	2981	3333
3.33	20 x 24	31	33	9	1787	2527	2827	3577	4000
4.17	20 x 30	31	41	9	2233	3158	3533	4471	5000
5.00	20 x 36	31	47	9	2680	3790	4240	5365	6000
5.83	20 x 42	32	52	9	3127	4422	4947	6259	7000
6.67	20 x 48	33	61	9	3573	5053	5653	7153	8000

Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.

Refer to page 68 for formulas for help in sizing.



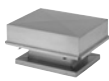
Gravity Relief 1:1 Ratio Cont.

Throat Area	Dimensional Data				Throat Velocity in FPM @ Static Pressure - Relief				
	Throat Size	Hood Size			536	758	848	1073	1200
		A x B	C	D	E	CFM @ Static Pressure - Relief			
					.050	.100	.125	.200	.250
7.50	20 x 54	33	67	9	4020	5685	6360	8048	9000
8.33	20 x 60	33	73	9	4467	6317	7067	8942	10000
9.17	20 x 66	34	80	9	4913	6948	7773	9836	11000
10.00	20 x 72	34	86	9	5360	7580	8480	10730	12000
10.83	20 x 78	34	92	9	5807	8212	9187	11624	13000
11.67	20 x 84	35	98	9	6253	8843	9893	12518	14000
4.00	24 x 24	34	34	11	2144	3032	3392	4292	4800
5.00	24 x 30	36	42	11	2680	3790	4240	5365	6000
6.00	24 x 36	37	49	11	3216	4548	5088	6438	7200
7.00	24 x 42	38	56	11	3752	5306	5936	7511	8400
8.00	24 x 48	38	62	11	4288	6064	6784	8584	9600
9.00	24 x 54	39	69	11	4824	6822	7632	9657	10800
10.00	24 x 60	39	75	11	5360	7580	8480	10730	12000
11.00	24 x 66	40	82	11	5896	8338	9328	11803	13200
12.00	24 x 72	40	88	11	6432	9096	10176	12876	14400
13.00	24 x 78	40	94	11	6968	9854	11024	13949	15600
14.00	24 x 84	40	100	11	7504	10612	11872	15022	16800
15.00	24 x 90	40	106	11	8040	11370	12720	16095	18000
6.25	30 x 30	43	43	13	3350	4738	5300	6706	7500
7.50	30 x 36	44	50	13	4020	5685	6360	8048	9000
8.75	30 x 42	45	57	13	4690	6633	7420	9389	10500
10.00	30 x 48	45	65	13	5360	7580	8480	10730	12000
11.25	30 x 54	45	74	13	6030	8528	9540	12071	13500
12.50	30 x 60	48	78	13	6700	9475	10600	13413	15000
13.75	30 x 66	48	84	13	7370	10423	11660	14754	16500
15.00	30 x 72	49	91	13	8040	11370	12720	16095	18000
16.25	30 x 78	49	97	13	8710	12318	13780	17436	19500
17.50	30 x 84	50	104	13	9380	13265	14840	18778	21000
18.75	30 x 90	50	111	13	10050	14213	15900	20119	22500
9.00	36 x 36	52	52	15	4824	6822	7632	9657	10800
10.50	36 x 42	53	59	15	5628	7959	8904	11267	12600
12.00	36 x 48	54	66	15	6432	9096	10176	12876	14400
13.50	36 x 54	55	73	15	7236	10233	11448	14486	16200
15.00	36 x 60	56	80	15	8040	11370	12720	16095	18000
16.50	36 x 66	56	86	15	8844	12507	13992	17705	19800
18.00	36 x 72	57	93	15	9648	13644	15264	19314	21600
19.50	36 x 78	58	99	15	10452	14781	16536	20924	23400
21.00	36 x 84	58	106	15	11256	15918	17808	22533	25200
22.50	36 x 90	58	112	15	12060	17055	19080	24143	27000
24.00	36 x 96	59	119	15	12864	18192	20352	25752	28800
25.50	36 x 102	59	124	15	13668	19329	21624	27362	30600
12.25	42 x 42	59	59	15	6566	9286	10388	13144	14700
15.75	42 x 54	62	74	15	8442	11939	13356	16900	18900
17.50	42 x 60	64	82	15	9380	13265	14840	18778	21000
19.25	42 x 66	65	89	15	10318	14592	16324	20655	23100
21.00	42 x 72	65	95	15	11256	15918	17808	22533	25200
22.75	42 x 78	65	101	15	12194	17245	19292	24411	27300
24.50	42 x 84	66	108	15	13132	18571	20776	26289	29400
26.25	42 x 90	66	114	15	14070	19898	22260	28166	31500
28.00	42 x 96	67	121	15	15008	21224	23744	30044	33600
29.75	42 x 102	68	128	15	15946	22551	25228	31922	35700
31.50	42 x 108	68	134	15	16884	23877	26712	33800	37800
16.00	48 x 48	68	68	17	8576	12128	13568	17168	19200
18.00	48 x 54	70	76	17	9648	13644	15264	19314	21600
20.00	48 x 60	71	83	17	10720	15160	16960	21460	24000
22.00	48 x 66	72	90	17	11792	16676	18656	23606	26400

Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.

Refer to page 68 for formulas for help in sizing.



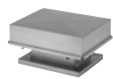
Gravity Relief 1:1 Ratio Cont.

Dimensional Data					Throat Velocity in FPM @ Static Pressure - Relief				
Throat Area	Throat Size	Hood Size			536	758	848	1073	1200
					CFM @ Static Pressure - Relief				
	A x B	C	D	E	.050	.100	.125	.200	.250
24.00	48 x 72	73	97	17	12864	18192	20352	25752	28800
26.00	48 x 78	74	103	17	13936	19708	22048	27898	31200
28.00	48 x 84	75	111	17	15008	21224	23744	30044	33600
30.00	48 x 90	75	117	17	16080	22740	25440	32190	36000
32.00	48 x 96	75	123	17	17152	24256	27136	34336	38400
34.00	48 x 102	75	129	17	18224	25772	28832	36582	40800
36.00	48 x 108	77	137	17	19296	27288	30528	38628	43200
38.00	48 x 114	77	146	17	20368	28804	32224	40774	45600
20.25	54 x 54	77	77	19	10854	15350	17172	21728	24300
22.50	54 x 60	79	85	19	12060	17055	19080	24143	27000
24.75	54 x 66	79	91	19	13266	18761	20988	26557	29700
27.00	54 x 72	80	98	19	14472	20466	22896	28971	32400
29.25	54 x 78	81	104	19	15678	22172	24804	31385	35100
31.50	54 x 84	82	112	19	16884	23877	26712	33800	37800
33.75	54 x 90	82	119	19	18090	25583	28620	36214	40500
36.00	54 x 96	83	125	19	19296	27288	30528	38628	43200
38.25	54 x 102	84	134	19	20502	28994	32436	41042	45900
40.50	54 x 108	85	139	19	21708	30699	34344	43457	48600
42.75	54 x 114	85	144	19	22914	32405	36252	45871	51300
25.00	60 x 60	86	86	21	13400	18950	21200	26825	30000
27.50	60 x 66	87	93	21	14740	20845	23320	29508	33000
30.00	60 x 72	88	100	21	16080	22740	25440	32190	36000
32.50	60 x 78	89	106	21	17420	24635	27560	34873	39000
35.00	60 x 84	90	114	21	18760	26530	29680	37555	42000
37.50	60 x 90	90	120	21	20100	28425	31800	40238	45000
40.00	60 x 96	91	127	21	21440	30320	33920	42920	48000
42.50	60 x 102	92	134	21	22780	32215	36040	45603	51000
45.00	60 x 108	93	141	21	24120	34110	38160	48285	54000
47.50	60 x 114	93	148	21	25460	36005	40280	50968	57000
50.00	60 x 120	94	154	21	26800	37900	42400	53650	60000
30.25	66 x 66	94	94	21	16214	22930	25652	32458	36300
33.00	66 x 72	94	94	21	17688	25014	27984	35409	39600
35.75	66 x 78	95	105	21	19162	27099	30316	38360	42900
38.50	66 x 84	97	115	21	20636	29183	32648	41311	46200
41.25	66 x 90	97	123	21	22110	31268	34980	44261	49500
44.00	66 x 96	97	131	21	23584	33352	37312	47212	52800
46.75	66 x 102	97	139	21	25058	35437	39644	50163	56100
49.50	66 x 108	97	147	21	26532	37521	41976	53114	59400
52.25	66 x 114	97	156	21	28006	39606	44308	56064	62700
55.00	66 x 120	96	165	21	29480	41690	46640	59015	66000
57.75	66 x 126	96	174	21	30954	43775	48972	61966	69300
60.50	66 x 132	96	182	21	32428	45859	51304	64917	72600
36.00	72 x 72	96	110	21	19296	27288	30528	38628	43200
39.00	72 x 78	96	118	21	20904	29562	33072	41847	46800
42.00	72 x 84	96	126	21	22512	31836	35616	45066	50400
45.00	72 x 90	96	134	21	24120	34110	38160	48285	54000
48.00	72 x 96	96	143	21	25728	36384	40704	51504	57600
51.00	72 x 102	96	153	21	27336	38658	43248	54723	61200
54.00	72 x 108	96	163	21	28944	40932	45792	57942	64800
57.00	72 x 114	96	172	21	30552	43206	48336	61161	68400
60.00	72 x 120	96	180	21	32160	45480	50880	64380	72000
63.00	72 x 126	108	168	23	33768	47754	53424	67599	75600
66.00	72 x 132	108	176	23	35376	50028	55968	70818	79200
69.00	72 x 138	108	184	23	36984	52302	58512	74037	82800
72.00	72 x 144	108	192	23	38592	54576	61056	77256	86400

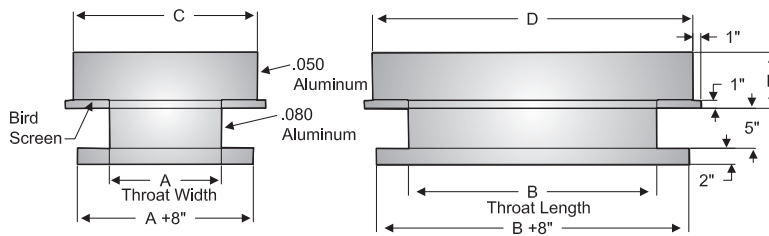
Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.

Refer to page 68 for formulas for help in sizing.

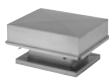


Gravity Intake 2:1 Ratio



Dimensional Data					Throat Velocity in FPM @ Static Pressure - Intake				
Throat Area	Throat Size	Hood Size			312/625	441/883	592/998	592/1185	625/1250
					CFM @ Static Pressure - Intake				
	A x B	C	D	E	.050	.100	.125	.180	.200
1.00	12 x 12	21	21	7	625	883	988	1185	1250
1.50	12 x 18	23	29	7	938	1325	1482	1778	1875
2.00	12 x 24	25	37	7	1250	1766	1976	2370	2500
2.50	12 x 30	26	44	7	1563	2208	2470	2963	3125
3.00	12 x 36	27	51	7	1875	2649	2964	3555	3750
3.50	12 x 42	29	57	7	2188	3091	3458	4148	4375
4.00	12 x 48	28	64	7	2500	3532	3952	4740	5000
1.36	14 x 14	25	25	8	851	1202	1345	1613	1701
1.75	14 x 18	26	30	8	1094	1545	1729	2074	2188
2.33	14 x 24	28	38	8	1458	2060	2305	2765	2917
2.92	14 x 30	29	45	8	1823	2575	2882	3456	3646
3.50	14 x 36	30	52	8	2188	3091	3458	4148	4375
4.08	14 x 42	30	57	8	2552	3606	4034	4839	5104
4.67	14 x 48	31	65	8	2917	4121	4611	5530	5833
5.25	14 x 54	32	72	8	3281	4636	5187	6221	6563
1.78	16 x 16	28	28	9	1111	1570	1756	2107	2222
2.22	16 x 20	29	33	9	1389	1962	2196	2633	2778
2.67	16 x 24	31	39	9	1667	2355	2635	3160	3333
3.33	16 x 30	32	45	9	2083	2943	3293	3950	4167
4.00	16 x 36	33	53	9	2500	3532	3952	4740	5000
4.67	16 x 42	33	59	9	2917	4121	4611	5530	5833
5.33	16 x 48	35	67	9	3333	4709	5269	6320	6667
6.00	16 x 54	36	74	9	3750	5298	5928	7110	7500
6.67	16 x 60	36	80	9	4167	5887	6587	7900	8333
7.33	16 x 66	37	87	9	4583	6475	7245	8690	9167
2.25	18 x 18	32	32	10	1406	1987	2223	2666	2813
3.00	18 x 24	33	40	10	1875	2649	2964	3555	3750
3.75	18 x 30	36	48	10	2344	3311	3705	4444	4688
4.50	18 x 36	37	55	10	2813	3974	4446	5333	5625
5.25	18 x 42	38	62	10	3281	4636	5187	6221	6563
6.00	18 x 48	39	69	10	3750	5298	5928	7110	7500
6.75	18 x 54	40	76	10	4219	5960	6669	7999	8438
7.50	18 x 60	40	82	10	4688	6623	7410	8888	9375
8.25	18 x 66	41	89	10	5156	7285	8151	9776	10313
9.00	18 x 72	41	95	10	5625	7947	8892	10665	11250
2.78	20 x 20	35	35	11	1736	2453	2744	3292	3472
3.33	20 x 24	37	41	11	2083	2943	3293	3950	4167
4.17	20 x 30	38	48	11	2604	3679	4117	4938	5208
5.00	20 x 36	40	56	11	3125	4415	4940	5925	6250
5.83	20 x 42	40	60	11	3646	5151	5763	6913	7292
6.67	20 x 48	42	70	11	4167	5887	6587	7900	8333

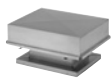
Hoods wider than 98" will ship knocked down.
 Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.
 Refer to page 68 for formulas for help in sizing.



Gravity Intake 2:1 Ratio Cont.

Dimensional Data					Throat Velocity in FPM @ Static Pressure - Intake				
Throat Area	Throat Size	Hood Size			312/625	441/883	592/998	592/1185	625/1250
					CFM @ Static Pressure - Intake				
	A x B	C	D	E	.050	.100	.125	.180	.200
7.50	20 x 54	43	77	11	4688	6623	7410	8888	9375
8.33	20 x 60	44	84	11	5208	7358	8233	9875	10417
9.17	20 x 66	45	91	11	5729	8094	9057	10863	11458
10.00	20 x 72	45	97	11	6250	8830	9880	11850	12500
10.83	20 x 78	46	106	11	6771	9956	10703	12838	13542
11.67	20 x 84	46	110	11	7292	10302	11527	13825	14583
4.00	24 x 24	42	42	11	2500	3532	3952	4740	5000
5.00	24 x 30	44	50	11	3125	4415	4940	5925	6250
6.00	24 x 36	46	58	11	3750	5298	5928	7110	7500
7.00	24 x 42	48	66	11	4375	6181	6916	8295	8750
8.00	24 x 48	49	73	11	5000	7064	7904	9480	10000
9.00	24 x 54	50	80	11	5625	7947	8892	10665	11250
10.00	24 x 60	52	88	11	6250	8830	9880	11850	12500
11.00	24 x 66	52	94	11	6875	9713	10868	13035	13750
12.00	24 x 72	52	100	11	7500	10596	11856	14220	15000
13.00	24 x 78	53	109	11	8125	11479	12844	15405	16250
14.00	24 x 84	54	114	11	8750	12362	13832	16590	17500
15.00	24 x 90	55	127	11	9375	13245	14820	17775	18750
6.25	30 x 30	53	53	13	3906	5519	6175	7406	7813
7.50	30 x 36	55	61	13	4688	6623	7410	8888	9375
8.75	30 x 42	57	69	13	5469	7726	8645	10369	10938
10.00	30 x 48	57	76	13	6250	8830	9880	11850	12500
11.25	30 x 54	60	84	13	7031	9934	11115	13331	14063
12.50	30 x 60	61	91	13	7813	11038	12350	14813	15625
13.75	30 x 66	62	98	13	8594	12141	13585	16294	17188
15.00	30 x 72	63	105	13	9375	13245	14820	17775	18750
16.25	30 x 78	64	114	13	10156	14349	16055	19256	20313
17.50	30 x 84	65	119	13	10938	15453	17290	20738	21875
18.75	30 x 90	66	132	13	11719	16556	18525	22219	23438
9.00	36 x 36	63	63	15	5625	7947	8892	10665	11250
10.50	36 x 42	66	72	15	6563	9272	10374	12443	13125
12.00	36 x 48	67	79	15	7500	10596	11856	14220	15000
13.50	36 x 54	69	87	15	8438	11921	13338	15998	16875
15.00	36 x 60	70	94	15	9375	13245	14820	17775	18750
16.50	36 x 66	71	101	15	10313	14570	16302	19553	20625
18.00	36 x 72	72	108	15	11250	15894	17784	21330	22500
19.50	36 x 78	74	117	15	12188	17219	19266	23108	24375
21.00	36 x 84	75	123	15	13125	18543	20748	24885	26250
22.50	36 x 90	75	130	15	14063	19868	22230	26663	28125
24.00	36 x 96	77	137	15	15000	21192	23712	28440	30000
25.50	36 x 102	78	150	15	15938	22517	25194	30218	31875
12.25	42 x 42	74	74	18	7656	10817	12103	14516	15313
15.75	42 x 54	78	90	18	9844	13907	15561	18664	19688
17.50	42 x 60	80	98	18	10938	15453	17290	20738	21875
19.25	42 x 66	81	105	18	12031	16998	19019	22811	24063
21.00	42 x 72	83	113	18	13125	18543	20748	24885	26250
22.75	42 x 78	83	122	18	14219	20088	22477	26959	28438
24.50	42 x 84	84	126	18	15313	21634	24206	29033	30625
26.25	42 x 90	85	135	18	16406	23179	25935	31106	32813
28.00	42 x 96	87	141	18	17500	24724	27664	33180	35000
29.75	42 x 102	88	150	18	18594	26269	29393	35254	37188
31.50	42 x 108	89	155	18	19688	27815	31122	37328	39375
16.00	48 x 48	84	84	20	10000	14128	15808	18960	20000
18.00	48 x 54	87	93	20	11250	15894	17784	21330	22500
20.00	48 x 60	88	100	20	12500	17660	19760	23700	25000
22.00	48 x 66	89	107	20	13750	19426	21736	26070	27500

Hoods wider than 98" will ship knocked down.
 Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.
 Refer to page 68 for formulas for help in sizing.



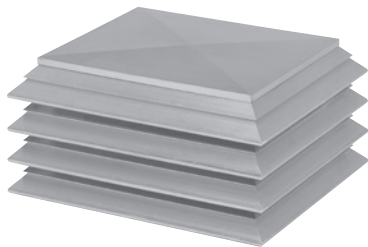
Gravity Intake 2:1 Ratio Cont.

Dimensional Data					Throat Velocity in FPM @ Static Pressure - Intake				
Throat Area	Throat Size	Hood Size			312/625	441/883	592/998	592/1185	625/1250
					CFM @ Static Pressure - Intake				
	A x B	C	D	E	.050	.100	.125	.180	.200
24.00	48 x 72	92	116	20	15000	21192	23712	28440	30000
26.00	48 x 78	94	126	20	16250	22958	25688	30810	32500
28.00	48 x 84	95	131	20	17500	24724	27664	33180	35000
30.00	48 x 90	95	140	20	18750	26490	29640	35550	37500
32.00	48 x 96	96	144	20	20000	28256	31616	37920	40000
34.00	48 x 102	96	155	20	21250	30022	33592	40290	42500
36.00	48 x 108	95	165	20	22500	31788	35568	42660	45000
38.00	48 x 114	97	172	20	23750	33554	37544	45030	47500
20.25	54 x 54	95	95	23	12656	17881	20007	23996	25313
22.50	54 x 60	97	103	23	14063	19868	22230	26663	28125
24.75	54 x 66	98	110	23	15469	21854	24453	29329	30938
27.00	54 x 72	98	121	23	16875	23841	26676	31995	33750
29.25	54 x 78	98	124	23	18281	25828	28899	34661	36563
31.50	54 x 84	98	140	23	19688	27815	31122	37328	39375
33.75	54 x 90	98	150	23	21094	29801	33345	39994	42188
36.00	54 x 96	98	160	23	22500	31788	35568	42660	45000
38.25	54 x 102	98	170	23	23906	33775	37791	45326	47813
40.50	54 x 108	98	179	23	25313	35762	40014	47993	50625
42.75	54 x 114	98	179	25	26719	37748	42237	50659	53438
25.00	60 x 60	95	115	25	15625	22075	24700	29625	31250
27.50	60 x 66	96	124	25	17188	24283	27170	32588	34375
30.00	60 x 72	109	121	25	18750	26490	29640	35550	37500
32.50	60 x 78	111	131	25	20313	28698	32110	38513	40625
35.00	60 x 84	113	137	25	21875	30905	34580	41475	43750
37.50	60 x 90	114	140	25	23438	33113	37050	44438	46875
40.00	60 x 96	115	151	25	25000	35320	39520	47400	50000
42.50	60 x 102	115	155	25	26563	37528	41990	50363	53125
45.00	60 x 108	118	166	25	28125	39735	44460	53325	56250
47.50	60 x 114	118	175	25	29688	41943	46930	56288	59375
50.00	60 x 120	118	184	25	31250	44150	49400	59250	62500
30.25	66 x 66	98	134	25	18906	26711	29887	35846	37813
33.00	66 x 72	98	134	25	20625	29139	32604	39105	41250
35.75	66 x 78	117	136	25	22344	31567	35321	42364	44688
38.50	66 x 84	117	143	25	24063	33996	38038	45623	48125
41.25	66 x 90	117	150	25	25781	36424	40755	48881	51563
44.00	66 x 96	117	162	25	24500	38852	43472	52140	55000
46.75	66 x 102	117	173	26	29219	41280	46189	55399	58438
49.50	66 x 108	117	182	26	30938	43709	48906	58658	61875
52.25	66 x 114	117	193	26	32656	46137	51623	61916	65313
55.00	66 x 120	124	192	28	34375	48565	54340	65175	68750
57.75	66 x 126	130	192	28	36094	50993	57057	68434	72188
60.50	66 x 132	138	190	28	37813	53422	59774	71693	75625
36.00	72 x 72	117	137	25	22500	31788	35568	42660	45000
39.00	72 x 78	126	134	28	24375	34437	38532	46215	48750
42.00	72 x 84	130	142	29	26250	37086	41496	49770	52500
45.00	72 x 90	132	148	28	28125	39735	44460	53325	56250
48.00	72 x 96	133	157	29	30000	42384	47424	56880	60000
51.00	72 x 102	140	170	28	31875	45033	50388	60435	63750
54.00	72 x 108	136	172	29	33750	47682	53352	63990	67500
57.00	72 x 114	140	178	28	35625	50331	56316	67545	71250
60.00	72 x 120	139	187	29	37500	52980	59280	71100	75000
63.00	72 x 126	144	190	29	39375	55629	62244	74655	78750
66.00	72 x 132	144	198	29	41250	58278	65208	78210	82500
69.00	72 x 138	144	208	29	43125	60927	68172	81765	86250
72.00	72 x 144	144	216	29	45000	63576	71136	85320	90000

Hoods wider than 98" will ship knocked down.
 Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.
 Refer to page 68 for formulas for help in sizing.

MODEL RLX

LOUVERED PENTHOUSE



MODEL FEATURES

- Exhaust or Supply air up to 69,500 CFM in static pressure applications up to .23" w.g.
- All aluminum construction
- Louvered penthouse design provides a low silhouette and modern design
- Corners are miter cut and heliarch welded for strength and weather protection

MODEL OVERVIEW

Model RLX aluminum louvered penthouse provides a low silhouette and modern design for fresh air intake, pressure relief and gravity applications. With hundreds of optional lengths and heights available, the RLX is frequently used for enclosing unsightly rooftop equipment. The storm resistant aluminum louver design provides weather integrity when properly sized. Catalog capacity ranges from 395 to 69,500 CFM with much greater ranges available in custom sizes. Companion, louvered fan Model LSF offers continuity in rooftop equipment designs.

CONSTRUCTION/SPECIFICATION CHECKLIST

- All aluminum construction for weather resistance, long life and maintenance-free operation.
- Louvers are made from heavy-gauge aluminum.
- Corners are miter cut and heliarch welded for strength and weather protection.
- Cross-braced with heavy-gauge angle for strength and wind resistance.
- Top is cross-braced and rated to 30 pounds per square foot for snow load protection.
- 1/2" x 1" galvanized birdscreen. (Deleted when filters used).

Shipping

- Units with width of 84" and smaller are shipped assembled. Units with a width of 90" and larger are shipped in two pieces for field assembly, (Ex: 84 x 144 ships assembled 90 x 90 ships in 2 pieces)
- Knockdown units assemble with standard tools. Easy installation directions and fasteners are included.

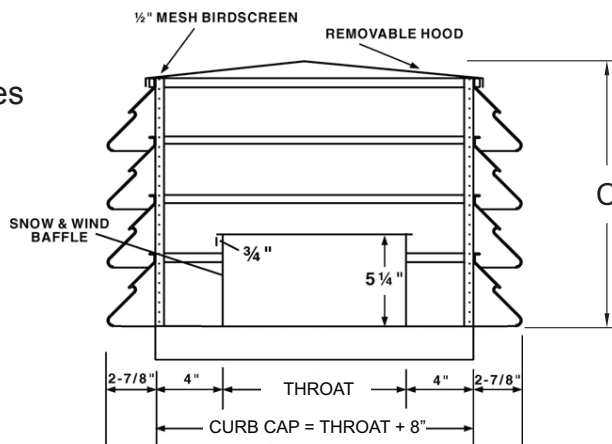
DIMENSIONS

Throat Size = A & B listed as throat size in tables

Curb Cap Size = A or B plus 8

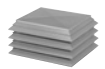
Overall Size (F x G) = A or B plus 13-3/4"

Height (C) = 3-1/2" times number of tiers



Industry best 5 year fan housing warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.



OPTIONS/ACCESSORIES

Roof Curb: Prefabricated heavy-gauge galvanized steel, welded construction, 8" high (other heights are also available) with 1-1/2" wood nailer. Assures perfect fit of ventilator to roof opening. Options include burglar bars, single or double pitch construction and hinged curbs for easy duct access.

Motor Operated Damper: Motor operated aluminum damper for positive closure against backdraft.



Automatic Damper: Automatic aluminum damper for ease in installation and effective backdraft protection.

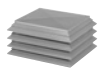
Insulation: Mastic anti-condensate coating or 1" thick fiberglass insulation is added to underside of top to help prevent condensation.

Filters: Permanent type aluminum mesh filters attached to full perimeter of hood. Installed for easy cleaning. On air intake, add .15" to static pressure listed in the tables.

Insect/Weather Screen: Helps prevent insects and snow (in extreme conditions) from entering units. Add .10" to the static pressure tables for exhaust models and .05" for intake ventilators.

Access Section: Used for easier access when unit is used as an equipment cover.

Special Coatings: for protective and decorative purposes. Available coatings include: Synthetic Resin, Epoxy, and Heresite (air-dried phenolic). Contact your representative or the factory for more information on available coatings and colors.



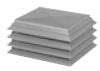
PERFORMANCE/DIMENSIONS

Gravity Relief & Intake

Throat Size A x B	CFM at SP = 0.15																	
	Number of Tiers and Height in Inches (C)																	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
10.5	14	17.5	21	24.5	28	31.5	35	38.5	42	45.5	49	52.5	56	59.5	63	66.5	70	
12x12	1199	1225	1238	1245	-	-	-	-	-	-	-	-	-	-	-	-	-	
12x14	1382	1419	1438	1448	-	-	-	-	-	-	-	-	-	-	-	-	-	
12x16	1562	1611	1636	1649	-	-	-	-	-	-	-	-	-	-	-	-	-	
12x18	1737	1800	1832	1850	1861	-	-	-	-	-	-	-	-	-	-	-	-	
12x20	1909	1987	2026	2049	2063	-	-	-	-	-	-	-	-	-	-	-	-	
12x24	2244	2354	2411	2444	2464	-	-	-	-	-	-	-	-	-	-	-	-	
12x30	2729	2892	2979	3029	3061	3082	-	-	-	-	-	-	-	-	-	-	-	
12x36	3197	3418	3538	3608	3652	3682	-	-	-	-	-	-	-	-	-	-	-	
12x42	3653	3935	4089	4181	4240	4279	-	-	-	-	-	-	-	-	-	-	-	
12x48	4101	4444	4635	4750	4823	4873	-	-	-	-	-	-	-	-	-	-	-	
14x14	1590	1642	1668	1682	1691	1697	-	-	-	-	-	-	-	-	-	-	-	
14x16	1791	1860	1895	1915	1927	1935	-	-	-	-	-	-	-	-	-	-	-	
14x18	1987	2075	2120	2146	2162	2172	-	-	-	-	-	-	-	-	-	-	-	
14x20	2178	2286	2342	2375	2395	2408	2417	-	-	-	-	-	-	-	-	-	-	
14x24	2548	2700	2781	2828	2857	2877	2890	-	-	-	-	-	-	-	-	-	-	
14x30	3078	3303	3425	3497	3543	3573	3595	-	-	-	-	-	-	-	-	-	-	
14x36	3587	3888	4055	4156	4220	4264	4294	4316	-	-	-	-	-	-	-	-	-	
14x42	4080	4459	4675	4807	4891	4949	4989	5019	-	-	-	-	-	-	-	-	-	
14x48	4561	5021	5287	5451	5557	5629	5681	5718	-	-	-	-	-	-	-	-	-	
16x16	2012	2104	2151	2178	2194	2205	2213	2219	-	-	-	-	-	-	-	-	-	
16x18	2227	2343	2403	2438	2460	2474	2484	2491	-	-	-	-	-	-	-	-	-	
16x20	2435	2577	2652	2696	2723	2741	2754	2763	-	-	-	-	-	-	-	-	-	
16x24	2835	3034	3141	3205	3245	3272	3290	3304	3314	-	-	-	-	-	-	-	-	
16x30	3404	3694	3856	3953	4016	4058	4087	4109	4125	-	-	-	-	-	-	-	-	
16x36	3945	4331	4552	4687	4775	4835	4877	4908	4931	-	-	-	-	-	-	-	-	
16x42	-	4950	5234	5410	5525	5604	5660	5701	5732	5756	-	-	-	-	-	-	-	
16x48	-	5556	5905	6123	6268	6367	6438	6490	6530	6560	-	-	-	-	-	-	-	
18x18	2458	2604	2682	2727	2755	2774	2787	2797	2804	2809	-	-	-	-	-	-	-	
18x20	2681	2860	2956	3013	3048	3072	3089	3101	3110	3117	-	-	-	-	-	-	-	
18x24	3107	3356	3493	3575	3627	3662	3687	3705	3718	3729	3737	-	-	-	-	-	-	
18x30	3709	4067	4273	4398	4480	4535	4574	4603	4624	4641	4654	-	-	-	-	-	-	
18x36	4277	4750	5029	5203	5317	5395	5451	5492	5523	5546	5565	-	-	-	-	-	-	
18x42	-	5410	5767	5992	6142	6245	6319	6374	6415	6447	6472	6492	-	-	-	-	-	
18x48	-	6055	6490	6770	6957	7087	7181	7250	7302	7343	7375	7401	-	-	-	-	-	
18x54	-	-	7202	7537	7763	7922	8036	8121	8185	8236	8275	8307	-	-	-	-	-	
20x20	2917	3135	3254	3325	3370	3400	3421	3436	3448	3457	3464	3469	-	-	-	-	-	
20x24	3367	3667	3836	3938	4004	4049	4080	4103	4120	4133	4144	4152	-	-	-	-	-	
20x30	3996	4425	4677	4834	4936	5006	5055	5092	5119	5140	5157	5170	5181	-	-	-	-	
20x36	-	5148	5488	5704	5847	5946	6017	6069	6108	6139	6163	6182	6198	-	-	-	-	
20x42	-	5844	6276	6555	6743	6873	6967	7037	7090	7131	7163	7189	7210	7228	-	-	-	
20x48	-	6521	7046	7391	7625	7789	7908	7996	8064	8116	8158	8191	8219	8241	-	-	-	
20x54	-	-	7802	8214	8496	8696	8841	8950	9032	9097	9148	9190	9223	9251	-	-	-	

Selection to the right of the divider are suitable for intake (Perimeter Velocity 600 fpm or less)

- Penthouse wider than 90" will ship in pieces.
- Assembly instructions and fasteners are included.
- Dampers & Insect Screens - Add .10 to area shown in tables.
- Refer to page 69 for formulas for help in sizing.



Gravity Relief & Intake Cont.

Throat Size A x B	CFM at SP = 0.15																		
	Number of Tiers and Height in Inches (C)																		
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
10.5	14	17.5	21	24.5	28	31.5	35	38.5	42	45.5	49	52.5	56	59.5	63	66.5	70		
60x60	-	-	-	19442	21270	22774	24012	25032	25877	26580	27169	27664	28085	28444	28752	29018	29249	29450	
60x66	-	-	-	-	22712	24405	25811	26981	27957	28774	29462	30045	30541	30965	31331	31648	31924	32165	
60x72	-	-	-	-	-	25990	27563	28882	29989	30922	31711	32383	32957	33450	33876	34245	34568	34851	
60x80	-	-	-	-	-	-	29839	31354	32637	33725	34652	35445	36125	36712	37221	37664	38052	38392	
60x84	-	-	-	-	-	-	30955	32568	33938	35105	36101	36955	37689	38324	38875	39356	39777	40148	
60x96	-	-	-	-	-	-	-	36136	37768	39169	40374	41413	42313	43095	43776	44373	44898	45361	
60x108	-	-	-	-	-	-	-	-	41507	43142	44556	45784	46851	47783	48599	49316	49948	50507	
60x120	-	-	-	-	-	-	-	-	-	47044	48669	50085	51322	52405	53357	54197	54938	55597	
60x144	-	-	-	-	-	-	-	-	-	54693	56736	58529	60108	61499	62728	63817	64784	65646	
66x66	-	-	-	-	-	26091	27684	29021	30145	31093	31896	32580	33164	33667	34101	34479	34808	35097	
66x72	-	-	-	-	-	-	29502	31005	32278	33358	34277	35064	35740	36323	36828	37268	37654	37992	
66x80	-	-	-	-	-	-	-	33578	35048	36305	37382	38308	39108	39801	40405	40932	41395	41803	
66x84	-	-	-	-	-	-	-	34839	36406	37751	38908	39905	40768	41517	42171	42743	43245	43689	
66x96	-	-	-	-	-	-	-	-	40395	42003	43398	44608	45663	46584	47390	48100	48726	49280	
66x108	-	-	-	-	-	-	-	-	-	46148	47779	49205	50453	51548	52512	53363	54117	54786	
66x120	-	-	-	-	-	-	-	-	-	50209	52077	53718	55161	56432	57555	58550	59434	60221	
66x144	-	-	-	-	-	-	-	-	-	58147	60484	62553	64387	66014	67459	68747	69897	70925	
72x72	-	-	-	-	-	29405	31380	33064	34501	35729	36781	37685	38465	39140	39728	40242	40692	41089	
72x80	-	-	-	-	-	-	-	35728	37382	38806	40035	41098	42020	42822	43523	44138	44679	45157	
72x84	-	-	-	-	-	-	-	37029	38792	40314	41632	42774	43768	44635	45393	46060	46648	47168	
72x96	-	-	-	-	-	-	-	-	42920	44734	46318	47701	48912	49975	50910	51736	52467	53117	
72x108	-	-	-	-	-	-	-	-	46927	49030	50877	52501	53932	55193	56309	57298	58177	58960	
72x120	-	-	-	-	-	-	-	-	50843	53229	55338	57203	58853	60314	61612	62767	63796	64716	
72x144	-	-	-	-	-	-	-	-	58476	61418	64043	66384	68471	70334	71999	73490	74826	76027	
84x84	-	-	-	-	-	-	-	41219	43362	45236	46875	48310	49570	50677	51653	52516	53281	53962	
84x96	-	-	-	-	-	-	-	-	49946	51903	53631	55158	56510	57709	58775	59725	60573	61257	
84x108	-	-	-	-	-	-	-	-	54497	56767	58785	60580	62177	63602	64875	66103	67035	67765	
84x120	-	-	-	-	-	-	-	-	-	61504	63809	65870	67714	69365	70846	72176	73374	74465	
84x144	-	-	-	-	-	-	-	-	-	70701	73569	76155	78487	80592	82492	84210	85765	87205	

Selection to the right of the divider are suitable for intake (Perimeter Velocity 600 fpm or less)

Penthouse wider than 90" will ship in pieces.
 Assembly instructions and fasteners are included.
 Dampers & Insect Screens - Add .10 to area shown in tables.
 Refer to page 69 for formulas for help in sizing.



Gravity Relief & Intake

Throat Size A x B	CFM at SP = 0.05																	
	Number of Tiers and Height in Inches (C)																	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	10.5	14	17.5	21	24.5	28	31.5	35	38.5	42	45.5	49	52.5	56	59.5	63	66.5	70
12x12	692	707	715	719	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12x14	798	820	830	836	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12x16	902	930	944	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12x18	1003	1039	1058	1068	1074	-	-	-	-	-	-	-	-	-	-	-	-	-
12x20	1102	1147	1170	1183	1191	-	-	-	-	-	-	-	-	-	-	-	-	-
12x24	1296	1359	1392	1411	1423	-	-	-	-	-	-	-	-	-	-	-	-	-
12x30	1575	1670	1720	1749	1767	1779	-	-	-	-	-	-	-	-	-	-	-	-
12x36	1846	1974	2042	2083	2109	2126	-	-	-	-	-	-	-	-	-	-	-	-
12x42	2109	2272	2361	2414	2448	2470	-	-	-	-	-	-	-	-	-	-	-	-
12x48	2367	2566	2676	2742	2785	2813	-	-	-	-	-	-	-	-	-	-	-	-
14x14	918	948	963	971	977	980	-	-	-	-	-	-	-	-	-	-	-	-
14x16	1034	1074	1094	1106	1113	1117	-	-	-	-	-	-	-	-	-	-	-	-
14x18	1147	1198	1224	1239	1248	1254	-	-	-	-	-	-	-	-	-	-	-	-
14x20	1257	1320	1352	1371	1383	1390	1396	-	-	-	-	-	-	-	-	-	-	-
14x24	1471	1559	1606	1633	1650	1661	1669	-	-	-	-	-	-	-	-	-	-	-
14x30	1777	1907	1977	2019	2045	2063	2075	-	-	-	-	-	-	-	-	-	-	-
14x36	2071	2245	2341	2399	2437	2462	2479	2492	-	-	-	-	-	-	-	-	-	-
14x42	2355	2575	2699	2775	2824	2857	2880	2898	-	-	-	-	-	-	-	-	-	-
14x48	2633	2899	3053	3147	3208	3250	3280	3301	-	-	-	-	-	-	-	-	-	-
16x16	1162	1215	1242	1257	1267	1273	1278	1281	-	-	-	-	-	-	-	-	-	-
16x18	1286	1353	1387	1408	1420	1428	1434	1438	-	-	-	-	-	-	-	-	-	-
16x20	1406	1488	1531	1556	1572	1583	1590	1595	-	-	-	-	-	-	-	-	-	-
16x24	1637	1752	1814	1850	1873	1889	1900	1908	1913	-	-	-	-	-	-	-	-	-
16x30	1965	2133	2226	2282	2318	2343	2360	2372	2382	-	-	-	-	-	-	-	-	-
16x36	2278	2500	2628	2706	2757	2791	2816	2833	2847	-	-	-	-	-	-	-	-	-
16x42	-	2858	3022	3123	3190	3235	3268	3292	3309	3323	-	-	-	-	-	-	-	-
16x48	-	3208	3409	3535	3619	3676	3717	3747	3770	3788	-	-	-	-	-	-	-	-
18x18	1419	1504	1548	1574	1591	1602	1609	1615	1619	1622	-	-	-	-	-	-	-	-
18x20	1548	1651	1707	1739	1760	1774	1783	1790	1795	1799	-	-	-	-	-	-	-	-
18x24	1794	1937	2017	2064	2094	2114	2129	2139	2147	2153	2157	-	-	-	-	-	-	-
18x30	2141	2348	2467	2539	2586	2618	2641	2657	2670	2679	2687	-	-	-	-	-	-	-
18x36	2469	2742	2904	3004	3070	3115	3147	3171	3188	3202	3213	-	-	-	-	-	-	-
18x42	-	3124	3329	3460	3546	3606	3648	3680	3704	3722	3737	3748	-	-	-	-	-	-
18x48	-	3496	3747	3908	4017	4092	4146	4186	4216	4240	4258	4273	-	-	-	-	-	-
18x54	-	-	4158	4351	4482	4574	4640	4689	4726	4755	4778	4796	-	-	-	-	-	-
20x20	1684	1810	1879	1920	1946	1963	1975	1984	1991	1996	2000	2003	-	-	-	-	-	-
20x24	1944	2117	2215	2274	2312	2338	2356	2369	2379	2386	2392	2397	-	-	-	-	-	-
20x30	2307	2555	2700	2791	2850	2890	2919	2940	2956	2968	2977	2985	2991	-	-	-	-	-
20x36	-	2972	3169	3293	3376	3433	3474	3504	3527	3544	3558	3569	3579	-	-	-	-	-
20x42	-	3374	3624	3785	3893	3968	4022	4063	4093	4117	4136	4151	4163	4173	-	-	-	-
20x48	-	3765	4068	4267	4402	4497	4566	4617	4656	4686	4710	4729	4745	4758	-	-	-	-
20x54	-	-	4504	4742	4905	5021	5104	5167	5215	5252	5282	5306	5325	5341	-	-	-	-

Selection to the right of the divider are suitable for intake (Perimeter Velocity 600 fpm or less)

- Penthouse wider than 90" will ship in pieces.
- Assembly instructions and fasteners are included.
- Dampers & Insect Screens - Add .10 to area shown in tables.
- Refer to page 69 for formulas for help in sizing.



Gravity Relief & Intake Cont.

Throat Size A x B	CFM at SP = 0.05																		
	Number of Tiers and Height in Inches (C)																		
	3 10.5	4 14	5 17.5	6 21	7 24.5	8 28	9 31.5	10 35	11 38.5	12 42	13 45.5	14 49	15 52.5	16 56	17 59.5	18 63	19 66.5	20 70	
60x60	-	-	-	11225	12280	13149	13863	14452	14940	15346	15686	15972	16215	16422	16600	16753	16887	17003	
60x66	-	-	-	-	13113	14090	14902	15577	16141	16613	17010	17346	17633	17878	18089	18272	18431	18570	
60x72	-	-	-	-	-	15005	15914	16675	17314	17853	18309	18696	19028	19312	19558	19772	19958	20121	
60x80	-	-	-	-	-	-	17227	18102	18843	19471	20006	20464	20857	21196	21490	21745	21969	22166	
60x84	-	-	-	-	-	-	17872	18803	19594	20268	20843	21336	21760	22126	22445	22722	22965	23179	
60x96	-	-	-	-	-	-	-	20863	21805	22614	23310	23910	24429	24881	25274	25619	25922	26189	
60x108	-	-	-	-	-	-	-	-	23964	24908	25725	26433	27050	27588	28059	28472	28837	29160	
60x120	-	-	-	-	-	-	-	-	-	27161	28099	28916	29631	30256	30806	31290	31719	32099	
60x144	-	-	-	-	-	-	-	-	-	31577	32756	33792	34703	35506	36216	36845	37403	37901	
66x66	-	-	-	-	-	15064	15983	16755	17404	17952	18415	18810	19147	19438	19688	19906	20096	20263	
66x72	-	-	-	-	-	-	17033	17901	18635	19259	19790	20244	20634	20971	21263	21517	21739	21935	
66x80	-	-	-	-	-	-	-	19387	20235	20960	21582	22117	22579	22979	23328	23632	23899	24135	
66x84	-	-	-	-	-	-	-	20114	21019	21796	22463	23039	23537	23970	24347	24677	24968	25224	
66x96	-	-	-	-	-	-	-	-	23322	24251	25056	25755	26363	26895	27361	27771	28132	28452	
66x108	-	-	-	-	-	-	-	-	-	26643	27585	28409	29129	29762	30318	30809	31244	31630	
66x120	-	-	-	-	-	-	-	-	-	28988	30067	31014	31847	32581	33230	33804	34314	34768	
66x144	-	-	-	-	-	-	-	-	-	33571	34921	36115	37174	38113	38948	39691	40355	40949	
72x72	-	-	-	-	-	16977	18117	19090	19919	20628	21235	21757	22208	22598	22937	23234	23494	23723	
72x80	-	-	-	-	-	-	-	20627	21582	22405	23114	23728	24260	24723	25128	25483	25795	26072	
72x84	-	-	-	-	-	-	-	21379	22396	23275	24036	24696	25269	25770	26208	26593	26932	27232	
72x96	-	-	-	-	-	-	-	-	24780	25827	26741	27540	28239	28853	29393	29870	30292	30667	
72x108	-	-	-	-	-	-	-	-	27093	28307	29374	30312	31137	31866	32510	33081	33588	34040	
72x120	-	-	-	-	-	-	-	-	29354	30732	31950	33026	33979	34823	35572	36238	36833	37364	
72x144	-	-	-	-	-	-	-	-	33761	35460	36975	38327	39532	40607	41569	42429	43201	43894	
84x84	-	-	-	-	-	-	-	23798	25035	26117	27063	27892	28619	29258	29822	30320	30762	31155	
84x96	-	-	-	-	-	-	-	-	-	28836	29966	30964	31845	32626	33318	33934	34482	34972	
84x108	-	-	-	-	-	-	-	-	-	31464	32774	33939	34976	35898	36721	37455	38113	38702	
84x120	-	-	-	-	-	-	-	-	-	-	35509	36840	38030	39094	40048	40903	41671	42362	
84x144	-	-	-	-	-	-	-	-	-	-	40819	42475	43968	45315	46530	47627	48619	49516	

Selection to the right of the divider are suitable for intake (Perimeter Velocity 600 fpm or less)

- Penthouse wider than 90" will ship in pieces.
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- Dampers & Insect Screens - Add .10 to area shown in tables.
- Refer to page 69 for formulas for help in sizing.

Centrifugal Filtered Supply Index

MODEL KSF

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MODEL LSF

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MODEL CSF

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MODEL KSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FAN



MODEL FEATURES

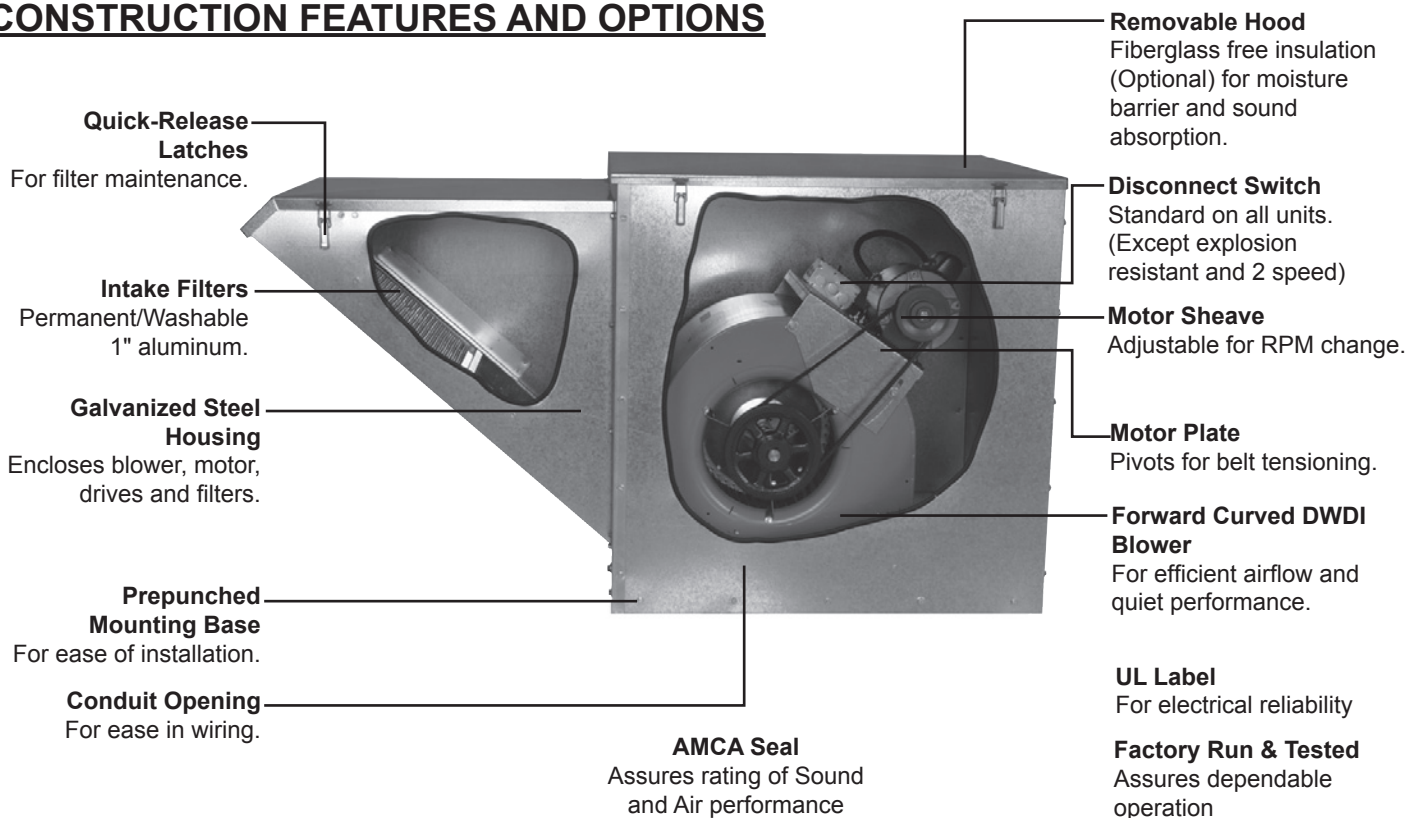
- Supply air to over 12,000 CFM in static pressure capabilities to 2" w.g.
- Heavy-galvanized construction
- Belt drives permit easy performance adjustments when needed
- Forward curved centrifugal blower for efficient air flow at low sound levels
- Filters are washable and reusable
- AMCA Air and Sound Licensed
- cULus 705 Listed

MODEL OVERVIEW

Model KSF fans are roof curb or curb cap mounted filtered supply fans rated from 375 to over 12,000 CFM, with static pressure capabilities to 2". They are specifically designed for filtered make-up air in kitchen hood applications. Model KSF's rugged design with heavy-gauge galvanized construction provides maximum weather protection, long life and the utmost in performance efficiency. The forward curved centrifugal blower provides efficient air flow at low sound levels with static pressure capabilities to handle ducted air systems or hoods within a building. The filters are washable and are reusable to reduce maintenance costs. Quick release hood latches make routine cleaning and maintenance fast and easy.

The primary use of these fans is for filtered make-up air in kitchen hood applications but may also be specified for make-up air in commercial and industrial applications such as manufacturing and assembly areas.

CONSTRUCTION FEATURES AND OPTIONS



Industry best 5 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.



CONSTRUCTION/SPECIFICATION CHECKLIST

Blower

- Statically and dynamically balanced forward curved wheel.
- 12-gauge galvanized steel blower plate/discharge opening.
- 18-gauge galvanized steel housing.
- Prepunched mounting holes.
- Conduit opening for wiring from below unit.

Motors

- 1 year warranty.
- Brands are nationally recognized and locally serviced.
- Single speed open drip-proof are standard.
- Explosion-proof, totally enclosed and two-speed motors are available.
- All motors are rated for continuous duty.
- 182T and larger motors shipped unmounted for field installation.
- Disconnect switch standard with single speed drip-proof and totally enclosed motors.

Hood

- Heavy-gauge galvanized steel hood.
- Quick-release latches for removal from housing.
- 1 inch washable aluminum mesh filters.

Drives

- Adjustable motor pulleys are standard.
- Sized for minimum 150% of drive horsepower.
- Machined cast iron adjustable motor pulleys.
- Pivoting motor plate for belt tensioning.
- Nonstatic oil resistant V-belts.

Certifications

- AMCA Air and Sound Licensed.
- cULus Standard 705 Listed Power Roof Ventilator label assures electrical reliability.
- cULus label must be specified when needed.



OPTIONS/ACCESSORIES

Insulated Hood: High performance and ecologically friendly fiberglass free insulation only.

Intake Extension: Extensions are available for all size KSF fans to provide NFPA required clearance from the exhaust fan on factory supplied common curbs. Extensions are made from heavy-gauge galvanized steel and require equipment supports on the intake end.

Roof Curb: Prefabricated heavy-gauge galvanized steel, Clip Lock, 14" high with 1-1/2" wood nailer. Options include single and double pitch construction and additional curb heights.

Motor Operated Damper: Motor operated aluminum damper for positive closure against backdraft (counter balanced).



Automatic Damper: Automatic aluminum damper for ease in installation and effective backdraft protection (counter balanced).

Duct Adapter: For ease in connecting discharge duct to fan outlet.

Common Curb: Designed to allow both the supply fan and exhaust fan to be mounted on the same curb. This curb requires only one roof opening and speeds installation time.

Special Coatings: For protective and decorative purposes. Available coatings include: Epoxy, Synthetic Resin, and Heresite (air-dried phenolic). Contact your Soler & Palau representative or the factory for more information on available coatings and colors.



NFPA96 INSTALLATION AND COMMON CURB ADAPTOR

Typical Installation

NFPA96 requires a 10 foot minimum distance between the exhaust fan and supply fan intake. The intake extension (optional) provides this clearance. Also required are hinged curb caps on the exhaust fan and some areas require a vented curb extension.

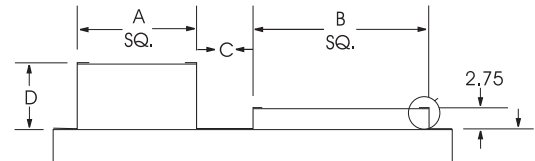
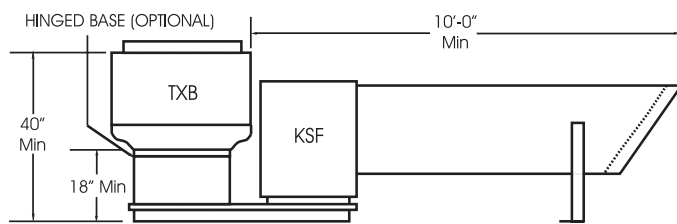
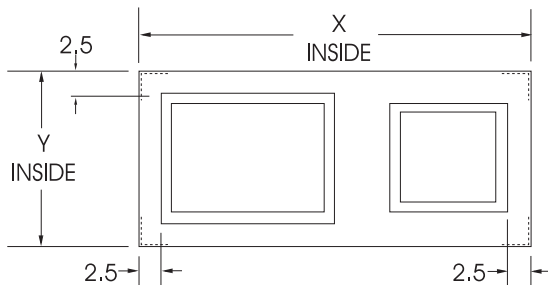
NFPA96 Alternate Installation

Where space limitations absolutely prevent a 10 foot separation from the air intake, a vertical separation may be permitted with the exhaust outlet being a minimum of 3 feet above any air intake located within 10 feet horizontally.

Important: Always check with the authority having jurisdiction to verify local codes and requirements.

Common Curb and Adaptor

The common curb and adaptor allows for mounting both the exhaust fan and supply fans onto one roof opening. Follow the chart below for sizing and ordering common curbs and adaptors.



Common Curb Adaptor

MODEL		STOCK NO. 8" HIGH COMMON CURB	COMMON CURB L x W OD	STOCK NO. CURB CAP ADAPTOR	CURB CAP ADAPTOR X x Y OD	CURB CAP OPENING	
TXB	KSF					EXHAUST FAN OUTLET A Sq	SUPPLY FAN OUTLET B Sq
8/10	9	2302.BC10X9	55-3/4 x 27-1/2	2302.BA10X9	56-3/4 x 29	14-3/4	23-3/4
12	9	2302.BC12X9	59-1/4 x 27-1/2	2302.BA12X9	60-3/4 x 29	22-1/4	23-3/4
15/16	10	2302.BC15X10	65 x 31-1/4	2302.BA15X10	66-1/2 x 32-3/4	22-1/4	27-3/4
15/16	12	2302.BC15X12	69 x 35-1/4	2302.BA15X12	70-1/4 x 36-3/4	22-1/4	31-3/4
15/16	15	2302.BC15X15	69 x 35-1/4	2302.BA15X15	70-1/4 x 36-3/4	22-1/4	31-3/4
18	12	2302.BC18X12/15	74-1/2 x 35-1/4	2302.BA18X12	76 x 36-3/4	27-3/4	31-3/4
18	15	2302.BC18X12/15	74-1/2 x 35-1/4	2302.BA18X15	76 x 36-3/4	27-3/4	31-3/4
20	12	2302.BC20X12	74-1/2 x 35-1/4	2302.BA20X12	76 x 36-3/4	27-3/4	31-3/4
20	15	2302.BC20X15	74-1/2 x 35-1/4	2302.BA20X15	76 x 36-3/4	27-3/4	31-3/4
24	15	2302.BC24X15	82-1/2 x 38-1/2	2302.BA24X15	84 x 40	33-3/4	31-3/4
24	18	2302.BC24X18	86-1/2 x 39-1/4	2302.BA24X18	88 x 40-3/4	33-3/4	35-3/4
30	18	2302.BC30X18	94-1/2 x 45-3/4	2302.BA30X18	96 x 47-1/4	40-3/4	35-3/4
30	20	2302.BC30X20	108-1/2 x 54-1/4	2302.BA30X20	110 x 55-3/4	40-3/4	50-1/4
36	20	2302.BC36X20	113-1/2 x 54-1/4	2302.BA36X20	115 x 55-3/4	40-3/4	50-1/4



PERFORMANCE/DIMENSIONS

KSF9

MODEL KSF	CFM	OV		Static Pressure in Inches w.g.										
				1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	
375	426	RPM	486	-	-	-	-	-	-	-	-	-	-	-
		BHP	0.03	-	-	-	-	-	-	-	-	-	-	-
		Sones	4.4	-	-	-	-	-	-	-	-	-	-	-
475	540	RPM	502	-	-	-	-	-	-	-	-	-	-	-
		BHP	0.04	-	-	-	-	-	-	-	-	-	-	-
		Sones	4.9	-	-	-	-	-	-	-	-	-	-	-
575	653	RPM	526	694	-	-	-	-	-	-	-	-	-	-
		BHP	0.05	0.09	-	-	-	-	-	-	-	-	-	-
		Sones	5.7	9.9	-	-	-	-	-	-	-	-	-	-
675	767	RPM	558	711	846	-	-	-	-	-	-	-	-	-
		BHP	0.07	0.11	0.17	-	-	-	-	-	-	-	-	-
		Sones	6.8	10.4	13.9	-	-	-	-	-	-	-	-	-
775	881	RPM	597	733	861	-	-	-	-	-	-	-	-	-
		BHP	0.09	0.13	0.19	-	-	-	-	-	-	-	-	-
		Sones	8.1	11.2	14.5	-	-	-	-	-	-	-	-	-
875	994	RPM	640	762	880	-	-	-	-	-	-	-	-	-
		BHP	0.11	0.16	0.22	-	-	-	-	-	-	-	-	-
		Sones	9.8	12.2	15.3	-	-	-	-	-	-	-	-	-
975	1108	RPM	688	796	904	1009	-	-	-	-	-	-	-	-
		BHP	0.15	0.19	0.25	0.32	-	-	-	-	-	-	-	-
		Sones	11.3	13.3	16.3	19.5	-	-	-	-	-	-	-	-
1075	1222	RPM	737	835	934	1031	1125	1214	-	-	-	-	-	-
		BHP	0.19	0.24	0.29	0.36	0.44	0.52	-	-	-	-	-	-
		Sones	12.8	15.1	17.6	21	24	28	-	-	-	-	-	-
1175	1335	RPM	789	878	968	1058	1146	1232	-	-	-	-	-	-
		BHP	0.23	0.28	0.35	0.41	0.49	0.58	-	-	-	-	-	-
		Sones	14.6	16.9	19.1	22	25	29	-	-	-	-	-	-
1275	1449	RPM	842	923	1006	1089	1172	1253	1407	-	-	-	-	-
		BHP	0.29	0.34	0.4	0.48	0.55	0.64	0.83	-	-	-	-	-
		Sones	16.5	18.7	21	24	27	30	36	-	-	-	-	-
1375	1563	RPM	895	971	1047	1124	1202	1278	1426	1565	-	-	-	-
		BHP	0.35	0.41	0.47	0.55	0.62	0.71	0.9	1.12	-	-	-	-
		Sones	18.6	21	23	26	29	32	37	42	-	-	-	-
1475	1676	RPM	950	1020	1091	1163	1235	1307	1447	1582	1710	-	-	-
		BHP	0.43	0.49	0.55	0.63	0.71	0.79	0.99	1.2	1.44	-	-	-
		Sones	21	23	25	28	31	34	38	46	48	-	-	-
1575	1790	RPM	1005	1071	1137	1204	1271	1339	1472	1602	1726	1956	-	-
		BHP	0.51	0.57	0.64	0.72	0.8	0.89	1.08	1.3	1.54	2.06	-	-
		Sones	23	25	27	30	33	35	39	44	49	60	-	-
1675	1903	RPM	1061	1122	1184	1247	1310	1374	1500	1624	1745	1970	-	-
		BHP	0.61	0.67	0.74	0.82	0.9	0.99	1.19	1.41	1.65	2.18	-	-
		Sones	26	28	30	33	35	37	41	46	50	61	-	-
1775	2017	RPM	1118	1175	1233	1292	1352	1412	1531	1650	1766	1986	-	-
		BHP	0.72	0.78	0.86	0.93	1.02	1.11	1.31	1.53	1.77	2.31	-	-
		Sones	29	31	33	36	37	39	43	47	52	62	-	-
1875	2131	RPM	1175	1229	1283	1339	1395	1452	1565	1678	1789	-	-	-
		BHP	0.84	0.91	0.98	1.06	1.15	1.24	1.44	1.66	1.91	-	-	-
		Sones	31	33	35	38	39	41	45	49	53	-	-	-
1975	2244	RPM	1232	1283	1335	1387	1440	1494	1601	1709	1816	-	-	-
		BHP	0.97	1.04	1.12	1.2	1.29	1.38	1.59	1.81	2.06	-	-	-
		Sones	34	36	38	40	42	43	47	50	55	-	-	-
2075	2358	RPM	1289	1337	1387	1437	1487	1538	1640	1742	1844	-	-	-
		BHP	1.12	1.19	1.27	1.36	1.45	1.54	1.75	1.98	2.22	-	-	-
		Sones	37	39	41	42	44	46	49	52	56	-	-	-
2175	2472	RPM	1346	1393	1440	1487	1535	1583	1680	1778	-	-	-	-
		BHP	1.28	1.36	1.44	1.53	1.62	1.72	1.93	2.16	-	-	-	-
		Sones	40	41	43	44	46	48	51	54	-	-	-	-
2275	2585	RPM	1404	1448	1493	1538	1584	1630	1723	-	-	-	-	-
		BHP	1.46	1.54	1.62	1.71	1.81	1.91	2.12	-	-	-	-	-
		Sones	43	44	45	47	48	50	54	-	-	-	-	-
2375	2699	RPM	1462	1504	1547	1590	1634	1678	-	-	-	-	-	-
		BHP	1.65	1.74	1.82	1.92	2.01	2.11	-	-	-	-	-	-
		Sones	45	46	48	49	51	53	-	-	-	-	-	-



S&P Canada Ventilation Products, Inc., Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



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



KSF10

MODEL KSF	CFM	OV		Static Pressure in Inches w.g.										
				1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2		
10	1050	981	RPM	533	-	-	-	-	-	-	-	-	-	-
			BHP	0.11	-	-	-	-	-	-	-	-	-	-
			Sones	7.4	-	-	-	-	-	-	-	-	-	-
	1150	1075	RPM	564	662	756	-	-	-	-	-	-	-	-
			BHP	0.14	0.18	0.24	-	-	-	-	-	-	-	-
			Sones	8.4	10.6	13.4	-	-	-	-	-	-	-	-
	1250	1168	RPM	596	687	776	860	-	-	-	-	-	-	-
			BHP	0.17	0.22	0.27	0.34	-	-	-	-	-	-	-
			Sones	9.6	11.6	14.2	16.7	-	-	-	-	-	-	-
	1350	1262	RPM	628	714	797	877	955	-	-	-	-	-	-
BHP			0.2	0.25	0.31	0.38	0.45	-	-	-	-	-	-	
Sones			10.9	12.8	14.9	17.3	19.9	-	-	-	-	-	-	
1450	1355	RPM	662	743	821	897	970	1042	-	-	-	-	-	
		BHP	0.24	0.3	0.36	0.42	0.5	0.58	-	-	-	-	-	
		Sones	12.4	13.9	15.9	18.1	21	23	-	-	-	-	-	
1550	1449	RPM	697	773	847	918	989	1057	-	-	-	-	-	
		BHP	0.29	0.34	0.41	0.47	0.55	0.63	-	-	-	-	-	
		Sones	13.8	15.2	17.1	18.9	22	24	-	-	-	-	-	
1650	1542	RPM	732	804	874	942	1009	1074	1200	-	-	-	-	
		BHP	0.34	0.4	0.46	0.53	0.61	0.69	0.87	-	-	-	-	
		Sones	15.3	16.6	18.1	19.9	22	25	30	-	-	-	-	
1750	1636	RPM	767	836	903	967	1031	1093	1214	1330	-	-	-	
		BHP	0.4	0.46	0.53	0.6	0.67	0.76	0.94	1.14	-	-	-	
		Sones	16.7	17.8	19.4	21	23	26	31	35	-	-	-	
1850	1729	RPM	803	869	932	994	1054	1114	1230	1342	1449	-	-	
		BHP	0.46	0.53	0.6	0.67	0.75	0.83	1.02	1.22	1.45	-	-	
		Sones	18.2	19.3	21	23	24	27	31	36	40	-	-	
1950	1822	RPM	839	902	963	1022	1080	1137	1248	1356	1460	-	-	
		BHP	0.53	0.6	0.67	0.75	0.83	0.91	1.1	1.31	1.53	-	-	
		Sones	19.5	21	22	24	26	28	32	37	40	-	-	
2050	1916	RPM	876	936	994	1051	1106	1161	1268	1372	1473	-	-	
		BHP	0.61	0.68	0.76	0.84	0.92	1	1.19	1.4	1.63	-	-	
		Sones	21	23	24	25	27	29	33	37	41	-	-	
2150	2009	RPM	913	971	1026	1080	1134	1186	1289	1390	1488	-	-	
		BHP	0.7	0.77	0.85	0.93	1.01	1.1	1.29	1.51	1.73	-	-	
		Sones	23	24	25	27	28	30	34	38	42	-	-	
2250	2103	RPM	950	1005	1059	1111	1162	1213	1312	1409	1504	-	-	
		BHP	0.79	0.87	0.95	1.03	1.12	1.21	1.41	1.62	1.85	-	-	
		Sones	24	26	27	28	30	32	35	39	42	-	-	
2350	2196	RPM	987	1040	1092	1142	1192	1240	1336	1430	1522	-	-	
		BHP	0.9	0.98	1.06	1.15	1.23	1.33	1.53	1.74	1.97	-	-	
		Sones	26	27	28	30	32	33	36	40	43	-	-	
2450	2290	RPM	1024	1076	1126	1175	1222	1269	1361	1452	1541	-	-	
		BHP	1.01	1.09	1.18	1.27	1.36	1.45	1.65	1.87	2.11	-	-	
		Sones	28	29	30	32	33	35	38	41	44	-	-	
2550	2383	RPM	1062	1112	1160	1207	1253	1298	1388	1475	-	-	-	
		BHP	1.13	1.22	1.31	1.4	1.49	1.59	1.79	2.01	-	-	-	
		Sones	30	31	32	34	35	36	39	42	-	-	-	
2650	2477	RPM	1099	1148	1195	1240	1284	1328	1415	-	-	-	-	
		BHP	1.26	1.35	1.45	1.54	1.63	1.73	1.94	-	-	-	-	
		Sones	32	33	34	35	37	38	40	-	-	-	-	
2750	2570	RPM	1137	1184	1229	1273	1316	1359	1443	-	-	-	-	
		BHP	1.4	1.5	1.59	1.69	1.79	1.89	2.1	-	-	-	-	
		Sones	34	35	36	37	38	40	42	-	-	-	-	
2850	2664	RPM	1175	1221	1265	1307	1349	1390	-	-	-	-	-	
		BHP	1.56	1.65	1.75	1.85	1.95	2.06	-	-	-	-	-	
		Sones	35	37	38	39	40	41	-	-	-	-	-	
2950	2757	RPM	1213	1257	1300	1341	-	-	-	-	-	-	-	
		BHP	1.72	1.82	1.92	2.02	-	-	-	-	-	-	-	
		Sones	37	39	40	41	-	-	-	-	-	-	-	
3050	2850	RPM	1251	1294	1336	-	-	-	-	-	-	-	-	
		BHP	1.89	2	2.1	-	-	-	-	-	-	-	-	
		Sones	39	41	42	-	-	-	-	-	-	-	-	



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KSF12

MODEL KSF	CFM	OV		Static Pressure in Inches w.g.									
				1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	
12	1150	767	RPM	378	495	-	-	-	-	-	-	-	-
			BHP	0.1	0.17	-	-	-	-	-	-	-	-
			Sones	3.5	5.9	-	-	-	-	-	-	-	-
	1350	900	RPM	404	508	604	-	-	-	-	-	-	-
			BHP	0.13	0.21	0.3	-	-	-	-	-	-	-
			Sones	4.1	6.3	8.9	-	-	-	-	-	-	-
	1600	1067	RPM	444	532	618	-	-	-	-	-	-	-
			BHP	0.2	0.27	0.36	-	-	-	-	-	-	-
			Sones	5.6	6.9	9.3	-	-	-	-	-	-	-
	1800	1200	RPM	479	556	635	711	-	-	-	-	-	-
			BHP	0.26	0.34	0.43	0.54	-	-	-	-	-	-
			Sones	6.9	7.6	9.7	11.9	-	-	-	-	-	-
	2000	1333	RPM	516	585	656	726	794	-	-	-	-	-
			BHP	0.34	0.42	0.51	0.62	0.75	-	-	-	-	-
			Sones	8.3	8.7	10.3	12.4	14.6	-	-	-	-	-
	2200	1467	RPM	555	617	681	745	808	870	-	-	-	-
			BHP	0.43	0.52	0.62	0.73	0.85	0.99	-	-	-	-
			Sones	9.9	10.1	10.9	13.1	15.2	17.3	-	-	-	-
	2400	1600	RPM	594	651	709	768	827	885	-	-	-	-
			BHP	0.54	0.63	0.74	0.85	0.97	1.11	-	-	-	-
			Sones	11.6	11.5	12.3	13.9	15.9	17.8	-	-	-	-
	2600	1733	RPM	635	687	740	794	849	903	1009	-	-	-
			BHP	0.67	0.77	0.88	0.99	1.12	1.26	1.57	-	-	-
			Sones	13.4	13.2	13.8	14.8	16.6	18.4	22	-	-	-
	2700	1800	RPM	655	705	757	808	861	913	1016	1114	-	
			BHP	0.75	0.85	0.96	1.07	1.2	1.34	1.65	1.99	-	
			Sones	14.3	14.1	14.7	15.6	17.1	18.8	23	27	-	
	2800	1867	RPM	676	724	773	823	874	924	1024	1120	1212	
			BHP	0.83	0.93	1.04	1.16	1.29	1.43	1.74	2.08	2.46	
			Sones	15.2	15.1	15.5	16.3	17.5	19.2	23	27	31	
2900	1933	RPM	697	743	790	839	887	936	1033	1127	1218		
		BHP	0.91	1.02	1.13	1.25	1.38	1.52	1.83	2.18	2.56		
		Sones	16.1	16.1	16.4	17.1	18.1	19.7	24	27	31		
3000	2000	RPM	718	762	808	854	901	948	1042	1134	1223		
		BHP	1	1.11	1.22	1.35	1.48	1.62	1.93	2.28	2.67		
		Sones	17.1	16.9	17.3	17.9	18.7	20	24	28	32		
3100	2067	RPM	739	782	826	871	916	961	1053	1142	1230		
		BHP	1.1	1.21	1.33	1.45	1.59	1.73	2.04	2.39	2.78		
		Sones	18.2	17.9	18.1	18.7	19.5	21	24	28	32		
3200	2133	RPM	760	802	844	887	931	975	1063	1151	1236		
		BHP	1.2	1.31	1.43	1.56	1.7	1.84	2.16	2.51	2.89		
		Sones	19.2	19.1	19.1	19.4	20	21	25	29	32		
3400	2267	RPM	803	842	881	922	962	1004	1087	1170	-		
		BHP	1.42	1.54	1.67	1.8	1.94	2.09	2.41	2.76	-		
		Sones	21	21	21	22	22	23	26	29	-		
3600	2400	RPM	845	882	919	957	996	1035	1113	1191	-		
		BHP	1.67	1.8	1.93	2.07	2.21	2.37	2.69	3.05	-		
		Sones	23	23	23	24	24	25	27	30	-		
3800	2533	RPM	888	923	958	994	1030	1067	1141	-	-		
		BHP	1.95	2.09	2.22	2.37	2.51	2.67	3	-	-		
		Sones	26	25	25	26	26	27	28	-	-		
4000	2667	RPM	931	964	998	1032	1066	1100	-	-	-		
		BHP	2.26	2.4	2.55	2.69	2.85	3.01	-	-	-		
		Sones	28	28	27	28	28	29	-	-	-		
4200	2800	RPM	975	1006	1038	1070	-	-	-	-	-		
		BHP	2.61	2.75	2.9	3.05	-	-	-	-	-		
		Sones	30	30	30	30	-	-	-	-	-		
4400	2933	RPM	1018	1048	-	-	-	-	-	-	-		
		BHP	2.98	3.13	-	-	-	-	-	-	-		
		Sones	32	32	-	-	-	-	-	-	-		



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KSF15

MODEL KSF	CFM	OV		Static Pressure in Inches w.g.													
				1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2				
15	1625	763	RPM	355	441	517	-	-	-	-	-	-	-	-	-	-	
			BHP	0.12	0.18	0.25	-	-	-	-	-	-	-	-	-	-	-
			Sones	5.3	6.5	8.1	-	-	-	-	-	-	-	-	-	-	-
	2025	951	RPM	403	475	543	606	-	-	-	-	-	-	-	-	-	-
			BHP	0.19	0.26	0.34	0.43	-	-	-	-	-	-	-	-	-	-
			Sones	7.7	8.2	9.3	10.6	-	-	-	-	-	-	-	-	-	-
	2425	1138	RPM	456	517	576	633	688	-	-	-	-	-	-	-	-	-
			BHP	0.29	0.37	0.46	0.56	0.66	-	-	-	-	-	-	-	-	-
			Sones	9.9	10.4	11.1	12.1	13.4	-	-	-	-	-	-	-	-	-
	2825	1326	RPM	512	565	617	668	717	765	-	-	-	-	-	-	-	-
			BHP	0.44	0.52	0.62	0.72	0.83	0.95	-	-	-	-	-	-	-	-
			Sones	12.4	13.3	13.6	14.3	15.3	16.5	-	-	-	-	-	-	-	-
	3230	1516	RPM	572	617	663	708	753	797	-	-	-	-	-	-	-	-
			BHP	0.62	0.72	0.82	0.93	1.05	1.17	-	-	-	-	-	-	-	-
			Sones	15.1	15.9	16.5	16.9	17.8	18.7	-	-	-	-	-	-	-	-
3640	1709	RPM	633	674	714	755	795	835	877	913	-	-	-	-	-	-	
		BHP	0.87	0.97	1.08	1.2	1.32	1.45	1.73	-	-	-	-	-	-	-	
		Sones	18.2	19.1	20	21	21	22	23	-	-	-	-	-	-	-	
3840	1803	RPM	664	702	741	779	817	855	893	930	1002	-	-	-	-	-	
		BHP	1.01	1.11	1.23	1.35	1.48	1.61	1.9	2.21	-	-	-	-	-	-	
		Sones	19.9	21	22	22	22	23	24	26	-	-	-	-	-	-	
4045	1899	RPM	695	731	768	805	841	877	913	949	1018	1085	-	-	-	-	
		BHP	1.16	1.27	1.39	1.52	1.65	1.79	2.08	2.4	2.73	-	-	-	-	-	
		Sones	22	22	23	24	24	25	26	27	29	-	-	-	-	-	
4245	1993	RPM	726	761	795	830	865	900	936	972	1035	1100	1224	-	-	-	
		BHP	1.33	1.45	1.57	1.7	1.84	1.98	2.28	2.6	2.94	3.66	-	-	-	-	
		Sones	24	24	25	26	26	26	27	28	30	35	-	-	-	-	
4445	2087	RPM	757	790	823	857	890	923	956	989	1053	1117	1237	-	-	-	
		BHP	1.52	1.64	1.77	1.9	2.04	2.18	2.49	2.82	3.17	3.9	-	-	-	-	
		Sones	25	26	26	27	28	28	28	30	31	36	-	-	-	-	
4645	2181	RPM	788	820	851	883	915	947	1010	1073	1134	1251	-	-	-	-	
		BHP	1.72	1.85	1.98	2.11	2.26	2.41	2.72	3.06	3.41	4.17	-	-	-	-	
		Sones	27	27	28	29	29	30	30	31	33	37	-	-	-	-	
4850	2277	RPM	820	850	881	911	942	972	1033	1093	1152	1267	-	-	-	-	
		BHP	1.95	2.08	2.21	2.35	2.5	2.66	2.98	3.32	3.68	4.45	-	-	-	-	
		Sones	28	29	30	30	31	32	32	33	34	38	-	-	-	-	
5050	2371	RPM	851	880	910	939	968	998	1056	1114	1171	1283	-	-	-	-	
		BHP	2.19	2.32	2.46	2.61	2.76	2.92	3.25	3.6	3.97	4.75	-	-	-	-	
		Sones	30	31	31	32	33	34	34	35	36	40	-	-	-	-	
5200	2441	RPM	875	903	932	960	989	1017	1074	1130	1186	1295	-	-	-	-	
		BHP	2.38	2.52	2.66	2.81	2.96	3.12	3.46	3.82	4.19	4.99	-	-	-	-	
		Sones	32	32	33	33	34	35	35	36	37	41	-	-	-	-	
5400	2535	RPM	907	934	961	988	1016	1043	1098	1153	1206	-	-	-	-	-	
		BHP	2.66	2.8	2.94	3.1	3.26	3.42	3.76	4.13	4.51	-	-	-	-	-	
		Sones	33	34	34	35	36	37	37	38	39	-	-	-	-	-	
5600	2629	RPM	938	964	991	1017	1043	1070	1123	1175	1228	-	-	-	-	-	
		BHP	2.95	3.1	3.25	3.41	3.57	3.74	4.09	4.46	4.85	-	-	-	-	-	
		Sones	35	36	36	37	37	38	39	40	41	-	-	-	-	-	
5800	2723	RPM	970	995	1020	1046	1071	1097	1148	1199	-	-	-	-	-	-	
		BHP	3.27	3.42	3.58	3.74	3.9	4.07	4.43	4.81	-	-	-	-	-	-	
		Sones	37	38	38	39	40	40	42	42	-	-	-	-	-	-	
6000	2817	RPM	1001	1026	1050	1075	1100	1124	1174	-	-	-	-	-	-	-	
		BHP	3.61	3.76	3.92	4.09	4.26	4.44	4.8	-	-	-	-	-	-	-	
		Sones	39	40	40	41	41	42	44	-	-	-	-	-	-	-	
6400	3005	RPM	1065	1088	1111	1134	1157	-	-	-	-	-	-	-	-	-	
		BHP	4.36	4.52	4.69	4.86	5.04	-	-	-	-	-	-	-	-	-	
		Sones	44	44	45	45	46	-	-	-	-	-	-	-	-	-	



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KSF18



MODEL KSF	CFM	OV		Static Pressure in Inches w.g.										
				1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	
18	2200	748	RPM	324	386	-	-	-	-	-	-	-	-	-
			BHP	0.15	0.21	-	-	-	-	-	-	-	-	-
			Sones	5.3	6.6	-	-	-	-	-	-	-	-	-
	2400	816	RPM	341	400	454	-	-	-	-	-	-	-	-
			BHP	0.18	0.25	0.32	-	-	-	-	-	-	-	-
			Sones	5.9	7.2	8.8	-	-	-	-	-	-	-	-
	2800	952	RPM	379	431	480	526	570	611	-	-	-	-	-
			BHP	0.26	0.33	0.41	0.5	0.6	0.7	-	-	-	-	-
			Sones	7.5	8.4	9.9	11.8	13.9	15.8	-	-	-	-	-
	3000	1020	RPM	398	448	495	539	581	621	696	-	-	-	-
			BHP	0.31	0.38	0.47	0.56	0.66	0.76	0.99	-	-	-	-
			Sones	8.3	9.2	10.5	12.4	14.4	16.6	19.7	-	-	-	-
	3400	1156	RPM	438	483	526	566	605	643	714	780	842	-	-
			BHP	0.42	0.51	0.6	0.7	0.8	0.91	1.15	1.4	1.68	-	-
			Sones	10.1	10.9	11.9	13.5	15.5	17.6	21	24	27	-	-
	3600	1224	RPM	458	502	542	581	619	655	724	789	849	961	-
			BHP	0.49	0.58	0.67	0.78	0.88	0.99	1.24	1.5	1.78	2.38	-
			Sones	10.9	11.8	12.7	14.2	16.1	18.1	22	25	27	33	-
4200	1429	RPM	520	559	595	630	664	696	759	819	876	983	-	
		BHP	0.74	0.84	0.95	1.06	1.18	1.3	1.56	1.83	2.13	2.77	-	
		Sones	14.1	14.9	15.7	16.9	18.4	19.8	23	26	30	36	-	
4600	1565	RPM	562	599	632	665	696	727	786	842	897	999	-	
		BHP	0.95	1.06	1.18	1.3	1.42	1.55	1.82	2.1	2.41	3.07	-	
		Sones	16.2	17.1	17.8	18.9	19.9	21	25	27	31	37	-	
5200	1769	RPM	626	659	690	720	749	776	830	883	933	1029	-	
		BHP	1.34	1.47	1.59	1.73	1.86	2	2.28	2.59	2.91	3.6	-	
		Sones	19.9	21	22	22	23	24	27	29	33	39	-	
5400	1837	RPM	648	680	710	739	767	794	846	897	946	1041	-	
		BHP	1.49	1.62	1.75	1.89	2.03	2.17	2.46	2.77	3.1	3.8	-	
		Sones	21	22	23	24	24	25	27	30	34	40	-	
5800	1973	RPM	691	721	750	777	803	829	879	927	974	1064	-	
		BHP	1.82	1.96	2.11	2.25	2.4	2.55	2.86	3.18	3.52	4.24	-	
		Sones	24	24	25	26	26	27	29	32	35	41	-	
6000	2041	RPM	713	742	770	796	822	847	896	943	989	1077	-	
		BHP	2	2.15	2.3	2.45	2.6	2.75	3.07	3.4	3.74	4.47	-	
		Sones	25	25	26	27	28	29	30	33	36	42	-	
6400	2177	RPM	756	784	810	836	861	885	931	976	1020	1104	-	
		BHP	2.41	2.57	2.73	2.89	3.05	3.21	3.54	3.88	4.24	4.99	-	
		Sones	27	28	28	29	30	31	33	34	37	44	-	
6600	2245	RPM	778	805	831	856	880	903	949	993	1035	1118	-	
		BHP	2.63	2.8	2.96	3.12	3.29	3.45	3.79	4.14	4.51	5.27	-	
		Sones	28	29	30	31	32	32	34	36	38	45	-	
7000	2381	RPM	822	848	872	896	919	942	985	1027	1068	1147	-	
		BHP	3.11	3.29	3.47	3.64	3.81	3.99	4.35	4.71	5.09	5.88	-	
		Sones	31	32	33	33	34	35	37	38	40	46	-	
7200	2449	RPM	844	869	893	917	939	961	1004	1045	1085	1163	-	
		BHP	3.38	3.56	3.74	3.92	4.1	4.28	4.64	5.02	5.4	6.2	-	
		Sones	33	33	34	35	36	37	38	40	41	47	-	
7600	2585	RPM	888	912	935	958	979	1000	1041	1081	1119	1194	-	
		BHP	3.95	4.14	4.33	4.52	4.71	4.9	5.28	5.67	6.07	6.9	-	
		Sones	36	36	37	38	39	39	41	43	45	50	-	
7800	2653	RPM	910	934	956	978	999	1020	1060	1099	1137	1210	-	
		BHP	4.26	4.46	4.65	4.85	5.04	5.24	5.63	6.03	6.43	7.27	-	
		Sones	37	38	39	40	40	41	43	44	46	51	-	
8400	2857	RPM	977	999	1020	1040	1061	1080	1118	1155	1191	-	-	
		BHP	5.29	5.5	5.71	5.92	6.13	6.34	6.76	7.18	7.61	-	-	
		Sones	42	43	44	44	45	46	48	49	51	-	-	
8800	2993	RPM	1021	1042	1063	1082	1102	1121	1157	-	-	-	-	
		BHP	6.06	6.28	6.5	6.72	6.94	7.16	7.6	-	-	-	-	
		Sones	46	47	48	48	49	50	52	-	-	-	-	
9200	3129	RPM	1066	1086	1106	1125	-	-	-	-	-	-	-	
		BHP	6.9	7.13	7.36	7.6	-	-	-	-	-	-	-	
		Sones	49	50	51	52	-	-	-	-	-	-	-	



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KSF20

MODEL KSF	CFM	OV		Static Pressure in Inches w.g.											
				1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2		
20	2600	652	RPM	245	307	359	-	-	-	-	-	-	-	-	-
			BHP	0.14	0.23	0.32	-	-	-	-	-	-	-	-	-
			Sones	4.1	5.8	7.4	-	-	-	-	-	-	-	-	-
	3000	752	RPM	263	321	371	415	455	-	-	-	-	-	-	-
			BHP	0.19	0.28	0.38	0.49	0.59	-	-	-	-	-	-	-
			Sones	4.8	6.3	7.9	9.4	11.1	-	-	-	-	-	-	-
	3400	852	RPM	282	336	384	426	465	501	-	-	-	-	-	-
			BHP	0.25	0.35	0.46	0.57	0.69	0.81	-	-	-	-	-	-
			Sones	5.6	6.9	8.4	9.9	11.5	12.9	-	-	-	-	-	-
	3800	952	RPM	302	352	398	439	477	512	575	632	684	776	-	-
			BHP	0.33	0.44	0.55	0.68	0.8	0.93	1.2	1.48	1.77	2.37	-	-
			Sones	6.4	7.6	9.1	10.5	12.1	13.4	16.1	18.7	21	26	-	-
	4600	1153	RPM	346	389	429	467	502	536	597	652	703	795	-	-
			BHP	0.53	0.65	0.79	0.92	1.07	1.22	1.53	1.85	2.18	2.86	-	-
			Sones	8.3	9.4	10.5	11.8	13.1	14.5	17.1	19.7	22	27	-	-
	5000	1253	RPM	368	409	447	483	517	549	609	663	714	804	-	-
			BHP	0.66	0.79	0.93	1.08	1.23	1.39	1.72	2.06	2.41	3.13	-	-
			Sones	9.3	10.3	11.4	12.7	13.8	15.2	17.8	21	23	27	-	-
	5400	1353	RPM	391	429	465	499	532	563	621	675	724	814	-	-
			BHP	0.8	0.94	1.09	1.25	1.41	1.58	1.93	2.28	2.66	3.42	-	-
Sones			10.4	11.3	12.4	13.5	14.6	15.7	18.4	21	23	28	-	-	
5800	1454	RPM	415	450	484	517	548	578	635	687	736	825	-	-	
		BHP	0.97	1.12	1.28	1.44	1.61	1.79	2.15	2.53	2.92	3.73	-	-	
		Sones	11.6	12.5	13.4	14.5	15.5	16.5	19.1	22	24	29	-	-	
6600	1654	RPM	462	494	525	555	583	611	664	714	760	847	-	-	
		BHP	1.39	1.55	1.72	1.9	2.09	2.28	2.68	3.1	3.53	4.41	-	-	
		Sones	14.1	14.9	15.7	16.7	17.6	18.6	21	23	25	30	-	-	
7000	1754	RPM	486	517	546	574	602	629	680	728	774	859	-	-	
		BHP	1.64	1.81	1.99	2.18	2.37	2.57	2.99	3.42	3.87	4.79	-	-	
		Sones	15.4	16.1	16.9	17.8	18.8	19.7	22	24	26	31	-	-	
7400	1855	RPM	511	539	567	595	621	647	696	743	788	871	-	-	
		BHP	1.91	2.09	2.28	2.48	2.68	2.89	3.32	3.77	4.23	5.19	-	-	
		Sones	16.7	17.5	18.2	19.1	19.9	21	23	25	27	31	-	-	
8200	2055	RPM	560	586	612	637	661	685	731	775	818	897	-	-	
		BHP	2.56	2.75	2.96	3.17	3.39	3.61	4.08	4.56	5.06	6.09	-	-	
		Sones	19.6	21	21	22	23	24	25	27	29	33	-	-	
8600	2155	RPM	585	610	634	658	682	705	749	792	834	912	-	-	
		BHP	2.93	3.13	3.35	3.57	3.79	4.03	4.51	5.01	5.52	6.59	-	-	
		Sones	21	22	23	23	24	25	27	28	30	34	-	-	
9200	2306	RPM	622	646	669	691	714	735	778	819	858	934	-	-	
		BHP	3.56	3.77	4	4.23	4.47	4.71	5.22	5.74	6.28	7.4	-	-	
		Sones	24	24	25	26	26	27	29	30	32	35	-	-	
9600	2406	RPM	647	670	692	714	735	756	797	837	876	949	-	-	
		BHP	4.02	4.25	4.48	4.72	4.97	5.22	5.74	6.28	6.83	7.99	-	-	
		Sones	26	26	27	27	28	29	30	32	33	36	-	-	
10000	2506	RPM	672	694	715	736	757	777	817	856	893	965	-	-	
		BHP	4.52	4.76	5	5.25	5.5	5.76	6.3	6.85	7.43	8.61	-	-	
		Sones	27	28	28	29	29	30	32	33	35	38	-	-	
10800	2707	RPM	722	743	763	782	802	821	858	895	930	999	-	-	
		BHP	5.66	5.91	6.17	6.43	6.7	6.98	7.55	8.13	8.74	9.99	-	-	
		Sones	30	31	32	32	33	34	35	36	38	41	-	-	
11200	2807	RPM	748	767	787	806	824	843	879	915	949	-	-		
		BHP	6.29	6.55	6.82	7.09	7.37	7.65	8.24	8.84	9.46	-	-		
		Sones	32	33	33	34	35	35	37	38	39	-	-		
11600	2907	RPM	773	792	811	829	847	865	901	935	-	-			
		BHP	6.97	7.24	7.51	7.79	8.08	8.37	8.97	9.59	-	-			
		Sones	34	35	35	36	36	37	39	40	-	-			
12000	3008	RPM	798	817	835	853	870	888	922	-	-	-			
		BHP	7.7	7.97	8.26	8.55	8.84	9.14	9.76	-	-	-			
		Sones	36	37	37	38	38	39	40	-	-	-			
12200	3058	RPM	811	829	847	865	882	899	-	-	-	-			
		BHP	8.08	8.36	8.65	8.94	9.24	9.54	-	-	-	-			
		Sones	37	38	38	39	40	40	-	-	-	-			



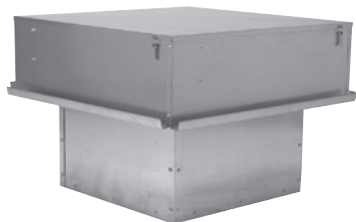
S&P Canada Ventilation Products, Inc., Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



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MODELS CSF & LSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



**Model CSF
Hooded Design**



**Model LSF
Louvered Penthouse Design**

MODEL FEATURES

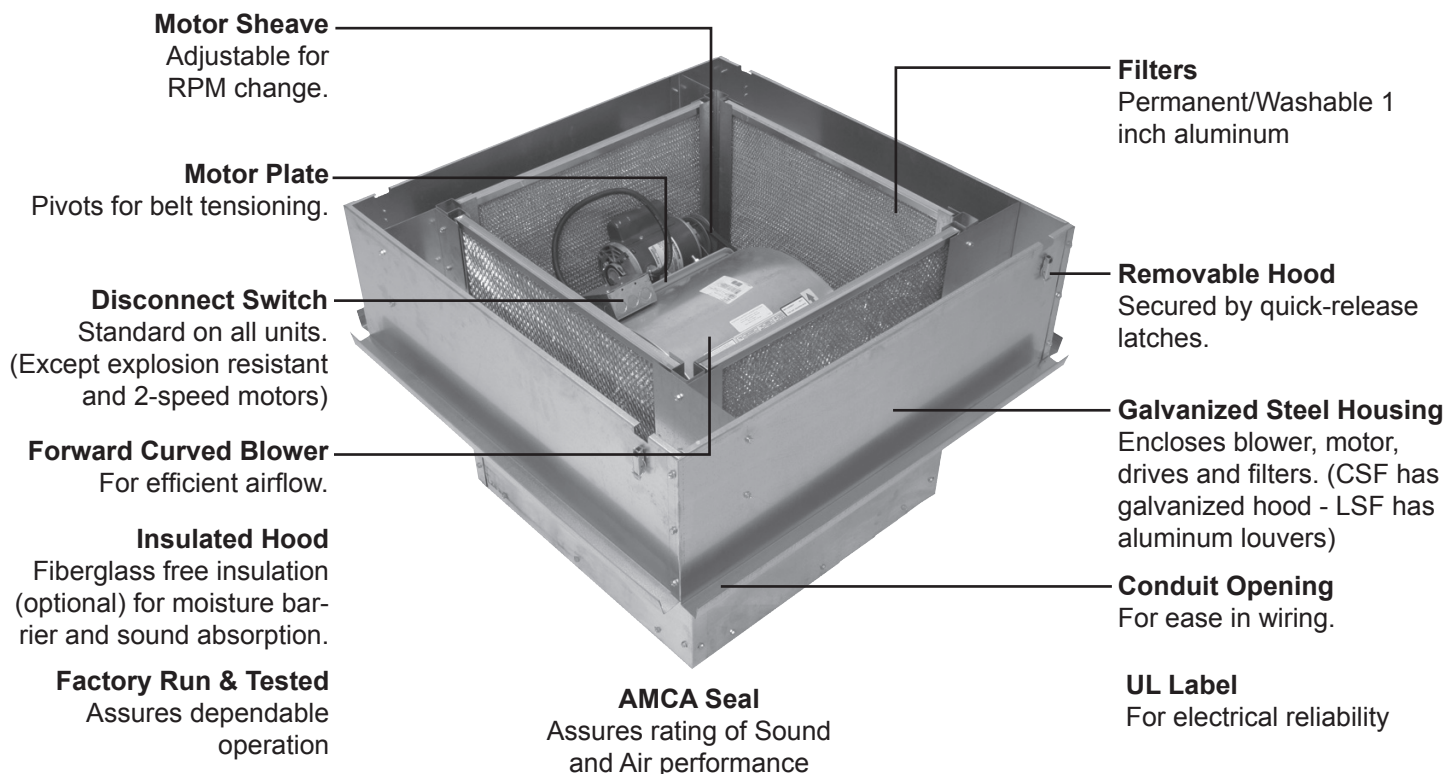
- Supply air to over 13,000 CFM in static pressure capabilities to 2" w.g.
- Heavy-galvanized construction
- Belt drives permit easy performance adjustments when needed
- Forward curved centrifugal blower for efficient air flow at low sound levels
- Filters are washable and reusable
- AMCA Air and Sound Licensed
- cULus 705 Listed

MODEL OVERVIEW

Models CSF and LSF units are roof mounted, filtered supply fans rated from 375 to over 13,000 CFM, with static pressure capabilities to 2". Model CSF's rugged, heavy-gauge galvanized hood and stack provide maximum weather protection and long life. Model LSF's architecturally pleasing, heavy-gauge aluminum louver design provides long life and the utmost in performance efficiency. All models are belt driven for easier performance adjustment and quieter operation. Adjustable motor pulleys further simplify fan speed changes.

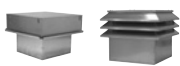
S&P's Centrifugal Filtered Supply Fans are used to replace exhausted fumes, vapors and gases with fresh, filtered make-up air in commercial and industrial applications such as manufacturing and assembly areas, kitchens, athletic clubs and many others.

CONSTRUCTION FEATURES AND OPTIONS



Industry best 5 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.
CGV_CSF-LSF_0612



CONSTRUCTION/SPECIFICATION CHECKLIST

Blower/Housing

- Statically and dynamically balanced forward curved wheel.
- 12-gauge galvanized steel blower plate/discharge opening.
- Heavy-gauge galvanized steel housing.
- Prepunched mounting holes.
- Conduit opening for wiring from below unit.

Hooded/Louvered Top

- Heavy-gauge aluminum louvered design. (LSF)
- Heavy-gauge galvanized steel hood. (CSF)
- Quick-release latches for removal from housing.
- Insulated for sound absorption and moisture barrier.
- Oversized for weather protection.
- 1" washable aluminum mesh filters.
- Mitered cut and welded corners. (LSF)

Drives

- Adjustable motor pulleys are standard.
- Sized for minimum 150% of drive horsepower.
- Pivoting motor plate for belt tensioning.
- Non-static oil resistant V-belts.

Bearings

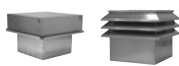
- Five year warranty.
- Heavy-duty ball bearing type.
- Prelubricated and permanently sealed.

Motors

- One year warranty.
- Brands are nationally recognized and locally serviced.
- Open drip-proof construction is standard.
- Disconnect switch standard with single speed drip-proof and totally enclosed motors.
- Optional motor enclosures and types can be specified.

Certifications

- AMCA Air and Sound Licensed.
- cULus Standard 705 Listed Power Roof Ventilator label assures electrical reliability.
- cULus label must be specified when needed.



OPTIONS/ACCESSORIES

Roof Curb: Prefabricated heavy-gauge galvanized steel, Clip Lock, 14" high with 1-1/2" wood nailer. Options include burglar bars, single and double pitch construction, and additional curb heights.

Motor Operated Damper: Motor operated aluminum damper for positive closure against backdraft (counter balanced).

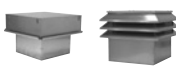


Automatic Damper: Automatic aluminum damper for ease in installation and effective backdraft protection (counter balanced).

Duct Adaptor: For ease in connecting discharge duct to fan outlet.

Side Discharge: For convenient connection to a supply duct when mounted on roof where the inside ceiling height is limited (CSF). Not available on CSF9.

Special Coatings: For protective and decorative purposes. Available coatings include: Epoxy, Synthetic Resin, and Heresite (air-dried phenolic). Contact your Soler & Palau representative or the factory for more information on available coatings and colors.



CSF PERFORMANCE

CSF 9

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.							
				1/8	1/4	3/8	1/2	5/8	3/4	1	
475	540		RPM	440	-	-	-	-	-	-	-
			BHP	0.03	-	-	-	-	-	-	-
			Sones	12.3	-	-	-	-	-	-	-
575	653		RPM	445	-	-	-	-	-	-	-
			BHP	0.04	-	-	-	-	-	-	-
			Sones	12.3	-	-	-	-	-	-	-
675	767		RPM	461	622	-	-	-	-	-	-
			BHP	0.05	0.09	-	-	-	-	-	-
			Sones	12.6	15.4	-	-	-	-	-	-
775	881		RPM	485	625	-	-	-	-	-	-
			BHP	0.07	0.1	-	-	-	-	-	-
			Sones	13.1	15.5	-	-	-	-	-	-
875	994		RPM	512	637	762	-	-	-	-	-
			BHP	0.08	0.12	0.18	-	-	-	-	-
			Sones	13.5	15.8	18.2	-	-	-	-	-
975	1108		RPM	544	656	768	880	-	-	-	-
			BHP	0.11	0.15	0.2	0.26	-	-	-	-
			Sones	13.9	16.3	18.3	21	-	-	-	-
1075	1222		RPM	578	680	781	883	984	-	-	-
			BHP	0.13	0.18	0.23	0.29	0.36	-	-	-
			Sones	14.3	16.9	18.7	21	23	-	-	-
1175	1335		RPM	613	706	800	892	986	-	-	-
			BHP	0.17	0.21	0.26	0.33	0.39	-	-	-
			Sones	14.9	17.6	19.3	21	23	-	-	-
1275	1449		RPM	650	735	823	907	993	1079	-	-
			BHP	0.2	0.25	0.31	0.37	0.44	0.51	-	-
			Sones	15.8	18.2	20	22	24	25	-	-
1375	1563		RPM	687	768	847	927	1006	1086	1244	
			BHP	0.25	0.3	0.35	0.42	0.49	0.56	0.73	
			Sones	16.8	19.1	21	22	24	26	30	
1475	1676		RPM	726	801	875	951	1023	1097	1247	
			BHP	0.29	0.35	0.41	0.47	0.54	0.62	0.79	
			Sones	17.8	19.8	22	23	25	26	30	
1575	1790		RPM	765	836	905	975	1045	1113	1253	
			BHP	0.35	0.41	0.47	0.54	0.61	0.68	0.86	
			Sones	19.2	21	23	24	25	27	30	
1675	1903		RPM	804	872	937	1002	1069	1134	1263	
			BHP	0.41	0.48	0.54	0.61	0.68	0.76	0.93	
			Sones	20	22	24	25	26	27	31	
1775	2017		RPM	844	908	970	1031	1093	1157	1278	
			BHP	0.48	0.55	0.62	0.69	0.76	0.84	1.01	
			Sones	22	23	24	26	27	28	32	
1875	2131		RPM	884	946	1005	1063	1120	1181	-	
			BHP	0.56	0.63	0.7	0.78	0.85	0.93	-	
			Sones	23	24	26	27	28	29	-	
1975	2244		RPM	925	984	1040	1095	1150	1205	-	
			BHP	0.65	0.72	0.8	0.87	0.95	1.03	-	
			Sones	25	26	27	28	29	30	-	
2075	2358		RPM	966	1022	1076	1129	1181	-	-	
			BHP	0.74	0.82	0.9	0.98	1.06	-	-	
			Sones	26	27	28	29	30	-	-	
2175	2472		RPM	1007	1061	1113	1163	-	-	-	
			BHP	0.85	0.93	1.01	1.09	-	-	-	
			Sones	27	29	29	30	-	-	-	
2275	2585		RPM	1048	1100	-	-	-	-	-	
			BHP	0.96	1.05	-	-	-	-	-	
			Sones	29	30	-	-	-	-	-	
2375	2699		RPM	1089	-	-	-	-	-	-	
			BHP	1.09	-	-	-	-	-	-	
			Sones	30	-	-	-	-	-	-	

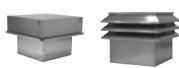
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CSF 10

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.										
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2	
10	700	654	RPM	377	516	-	-	-	-	-	-	-	-	-
			BHP	0.04	0.07	-	-	-	-	-	-	-	-	-
			Sones	3.3	5.8	-	-	-	-	-	-	-	-	-
	825	771	RPM	393	521	-	-	-	-	-	-	-	-	-
			BHP	0.05	0.09	-	-	-	-	-	-	-	-	-
			Sones	3.9	5.9	-	-	-	-	-	-	-	-	-
	950	888	RPM	412	530	635	-	-	-	-	-	-	-	-
			BHP	0.07	0.1	0.14	-	-	-	-	-	-	-	-
			Sones	4.7	6.3	9.2	-	-	-	-	-	-	-	-
	1075	1005	RPM	436	543	642	733	-	-	-	-	-	-	-
			BHP	0.09	0.13	0.17	0.22	-	-	-	-	-	-	-
			Sones	5.7	7.1	9.6	12.6	-	-	-	-	-	-	-
	1200	1121	RPM	462	560	652	739	819	-	-	-	-	-	-
			BHP	0.11	0.15	0.2	0.25	0.3	-	-	-	-	-	-
			Sones	6.8	7.8	10.1	12.9	15.1	-	-	-	-	-	-
	1325	1238	RPM	491	580	666	748	825	898	-	-	-	-	-
			BHP	0.14	0.18	0.23	0.29	0.34	0.4	-	-	-	-	-
			Sones	7.9	8.7	11.1	13.3	15.3	17.5	-	-	-	-	-
	1450	1355	RPM	521	603	683	760	833	904	1034	-	-	-	-
			BHP	0.17	0.22	0.27	0.33	0.39	0.45	0.58	-	-	-	-
			Sones	9.3	9.8	11.9	13.9	15.8	17.8	22	-	-	-	-
	1575	1472	RPM	552	628	702	774	844	912	1039	1155	-	-	-
			BHP	0.21	0.26	0.32	0.38	0.44	0.5	0.64	0.79	-	-	-
			Sones	10.7	11.2	13.2	14.7	16.4	18.2	22	27	-	-	-
	1700	1589	RPM	584	655	724	792	858	923	1045	1159	1264	-	-
			BHP	0.26	0.31	0.37	0.43	0.5	0.56	0.71	0.86	1.02	-	-
			Sones	12.1	12.7	14.3	15.6	17.2	18.7	22	27	32	-	-
	1825	1706	RPM	616	683	748	812	875	936	1053	1164	1268	1457	-
			BHP	0.31	0.37	0.43	0.49	0.56	0.63	0.78	0.94	1.1	1.45	-
			Sones	13.5	14.4	15.5	16.7	17.9	19.5	23	28	33	43	-
1950	1822	RPM	650	712	773	834	893	951	1064	1171	1273	1460	-	
		BHP	0.37	0.43	0.5	0.56	0.63	0.71	0.86	1.02	1.19	1.55	-	
		Sones	15.1	16.1	16.8	17.9	19.1	20	23	28	33	43	-	
2075	1939	RPM	684	742	800	857	913	969	1077	1181	1279	-	-	
		BHP	0.44	0.5	0.57	0.64	0.71	0.79	0.95	1.12	1.29	-	-	
		Sones	16.7	17.6	18.2	19.1	20	21	24	29	34	-	-	
2200	2056	RPM	718	773	828	882	935	988	1092	1192	1288	-	-	
		BHP	0.51	0.58	0.65	0.73	0.8	0.88	1.04	1.22	1.4	-	-	
		Sones	18.6	19.1	19.6	21	21	22	25	30	34	-	-	
2325	2173	RPM	752	805	857	908	959	1009	1108	1205	1298	-	-	
		BHP	0.6	0.67	0.74	0.82	0.9	0.98	1.15	1.33	1.52	-	-	
		Sones	20	21	21	22	23	24	27	30	35	-	-	
2450	2290	RPM	787	837	887	936	984	1032	1127	1219	-	-	-	
		BHP	0.69	0.77	0.84	0.92	1	1.09	1.26	1.45	-	-	-	
		Sones	22	22	23	23	24	25	28	32	-	-	-	
2575	2407	RPM	822	870	917	964	1010	1056	1147	1236	-	-	-	
		BHP	0.8	0.87	0.95	1.04	1.12	1.21	1.39	1.58	-	-	-	
		Sones	23	24	24	25	25	27	29	33	-	-	-	
2700	2523	RPM	858	903	949	993	1037	1081	1168	-	-	-	-	
		BHP	0.91	0.99	1.08	1.16	1.25	1.34	1.52	-	-	-	-	
		Sones	25	26	26	27	27	28	31	-	-	-	-	
2825	2640	RPM	893	937	980	1023	1065	1107	-	-	-	-	-	
		BHP	1.03	1.12	1.21	1.3	1.39	1.48	-	-	-	-	-	
		Sones	27	27	28	28	29	30	-	-	-	-	-	
2950	2757	RPM	929	971	1012	1053	1094	-	-	-	-	-	-	
		BHP	1.17	1.26	1.35	1.44	1.53	-	-	-	-	-	-	
		Sones	28	29	29	30	31	-	-	-	-	-	-	
3075	2874	RPM	965	1005	1045	1084	-	-	-	-	-	-	-	
		BHP	1.32	1.41	1.5	1.6	-	-	-	-	-	-	-	
		Sones	30	31	31	32	-	-	-	-	-	-	-	
3200	2991	RPM	1001	1040	-	-	-	-	-	-	-	-	-	
		BHP	1.48	1.57	-	-	-	-	-	-	-	-	-	
		Sones	32	33	-	-	-	-	-	-	-	-	-	

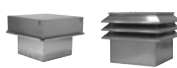


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UL STANDARD 705

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



CSF12

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.													
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2				
12	1150	767	RPM	338	-	-	-	-	-	-	-	-	-	-	-	-	
			BHP	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1300	867	RPM	353	459	-	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.1	0.14	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	4.1	5.4	-	-	-	-	-	-	-	-	-	-	-	-
	1450	967	RPM	372	464	-	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.12	0.17	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	4.9	5.7	-	-	-	-	-	-	-	-	-	-	-	-
	1600	1067	RPM	394	475	563	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.15	0.2	0.27	-	-	-	-	-	-	-	-	-	-	-
			Sones	6.2	6.3	7.9	-	-	-	-	-	-	-	-	-	-	-
1750	1167	RPM	417	490	567	649	-	-	-	-	-	-	-	-	-	-	
		BHP	0.19	0.24	0.3	0.38	-	-	-	-	-	-	-	-	-	-	
		Sones	7.5	7.1	8.2	10.5	-	-	-	-	-	-	-	-	-	-	
1900	1267	RPM	441	507	577	651	-	-	-	-	-	-	-	-	-	-	
		BHP	0.23	0.28	0.35	0.43	-	-	-	-	-	-	-	-	-	-	
		Sones	8.5	8.1	8.7	10.7	-	-	-	-	-	-	-	-	-	-	
2050	1367	RPM	465	527	590	657	726	-	-	-	-	-	-	-	-	-	
		BHP	0.28	0.34	0.4	0.48	0.57	-	-	-	-	-	-	-	-	-	
		Sones	9.5	9.2	9.5	11.1	12.8	-	-	-	-	-	-	-	-	-	
2200	1467	RPM	491	548	606	667	730	795	-	-	-	-	-	-	-	-	
		BHP	0.33	0.4	0.46	0.54	0.63	0.73	-	-	-	-	-	-	-	-	
		Sones	10.6	10.5	10.5	11.8	13.1	14.9	-	-	-	-	-	-	-	-	
2350	1567	RPM	517	570	624	680	738	798	-	-	-	-	-	-	-	-	
		BHP	0.4	0.46	0.53	0.61	0.7	0.79	-	-	-	-	-	-	-	-	
		Sones	11.6	11.9	11.9	12.7	13.6	15.1	-	-	-	-	-	-	-	-	
2500	1667	RPM	544	593	643	695	748	804	918	-	-	-	-	-	-	-	
		BHP	0.47	0.54	0.61	0.69	0.78	0.87	1.1	-	-	-	-	-	-	-	
		Sones	12.9	13.7	13.2	13.6	14.3	15.5	19.1	-	-	-	-	-	-	-	
2650	1767	RPM	570	617	664	712	762	813	919	1029	-	-	-	-	-	-	
		BHP	0.55	0.62	0.7	0.78	0.87	0.96	1.18	1.44	-	-	-	-	-	-	
		Sones	14.2	14.9	14.9	14.8	15.2	16.1	19.1	24	-	-	-	-	-	-	
2800	1867	RPM	597	642	686	731	778	825	924	1026	-	-	-	-	-	-	
		BHP	0.64	0.72	0.8	0.88	0.97	1.06	1.28	1.53	-	-	-	-	-	-	
		Sones	15.6	16.4	16.3	16.1	16.3	16.9	19.5	24	-	-	-	-	-	-	
2950	1967	RPM	625	667	709	752	795	839	932	1028	-	-	-	-	-	-	
		BHP	0.74	0.82	0.9	0.99	1.08	1.18	1.39	1.64	-	-	-	-	-	-	
		Sones	17.1	17.9	18.1	17.5	17.4	17.8	20	24	-	-	-	-	-	-	
3100	2067	RPM	652	693	733	773	814	855	942	1032	1124	-	-	-	-	-	
		BHP	0.85	0.93	1.02	1.11	1.2	1.3	1.52	1.76	2.04	-	-	-	-	-	
		Sones	18.6	19.2	19.7	19.1	18.9	19.1	21	24	28	-	-	-	-	-	
3250	2167	RPM	680	718	757	795	834	873	954	1039	-	-	-	-	-	-	
		BHP	0.97	1.06	1.15	1.24	1.34	1.44	1.65	1.9	-	-	-	-	-	-	
		Sones	20	20	21	21	21	20	22	25	-	-	-	-	-	-	
3400	2267	RPM	708	745	781	818	855	892	969	1048	-	-	-	-	-	-	
		BHP	1.1	1.19	1.29	1.38	1.48	1.58	1.8	2.05	-	-	-	-	-	-	
		Sones	21	22	22	23	22	22	23	25	-	-	-	-	-	-	
3550	2367	RPM	736	771	806	841	876	912	984	-	-	-	-	-	-	-	
		BHP	1.24	1.34	1.44	1.54	1.64	1.74	1.97	-	-	-	-	-	-	-	
		Sones	23	24	24	25	24	24	25	-	-	-	-	-	-	-	
3700	2467	RPM	764	798	832	865	899	933	1002	-	-	-	-	-	-	-	
		BHP	1.4	1.5	1.6	1.71	1.81	1.92	2.14	-	-	-	-	-	-	-	
		Sones	25	25	25	26	26	25	26	-	-	-	-	-	-	-	
3850	2567	RPM	792	825	857	890	922	954	-	-	-	-	-	-	-	-	
		BHP	1.57	1.67	1.78	1.89	2	2.1	-	-	-	-	-	-	-	-	
		Sones	26	26	27	27	27	26	-	-	-	-	-	-	-	-	
4000	2667	RPM	820	852	883	914	-	-	-	-	-	-	-	-	-	-	
		BHP	1.75	1.86	1.97	2.08	-	-	-	-	-	-	-	-	-	-	
		Sones	27	28	28	29	-	-	-	-	-	-	-	-	-	-	
4150	2767	RPM	849	879	-	-	-	-	-	-	-	-	-	-	-	-	
		BHP	1.94	2.06	-	-	-	-	-	-	-	-	-	-	-	-	
		Sones	28	29	-	-	-	-	-	-	-	-	-	-	-	-	

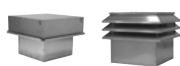


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UL STANDARD 705

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CSF 15

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.											
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2		
15	1625	763	RPM	285	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.1	-	-	-	-	-	-	-	-	-	-	-
			Sones	3.6	-	-	-	-	-	-	-	-	-	-	-
	1825	857	RPM	296	389	-	-	-	-	-	-	-	-	-	-
			BHP	0.12	0.2	-	-	-	-	-	-	-	-	-	-
			Sones	4.1	6.4	-	-	-	-	-	-	-	-	-	-
	2125	998	RPM	319	398	475	-	-	-	-	-	-	-	-	-
			BHP	0.17	0.25	0.34	-	-	-	-	-	-	-	-	-
			Sones	4.9	6.8	9.1	-	-	-	-	-	-	-	-	-
	2325	1092	RPM	337	403	479	548	-	-	-	-	-	-	-	-
			BHP	0.22	0.29	0.38	0.49	-	-	-	-	-	-	-	-
			Sones	5.9	7.1	9.2	11.6	-	-	-	-	-	-	-	-
	2625	1232	RPM	367	421	488	550	-	-	-	-	-	-	-	-
			BHP	0.29	0.36	0.46	0.57	-	-	-	-	-	-	-	-
			Sones	7.2	7.9	9.8	11.7	-	-	-	-	-	-	-	-
	2825	1326	RPM	388	436	493	559	614	-	-	-	-	-	-	-
			BHP	0.36	0.43	0.52	0.63	0.75	-	-	-	-	-	-	-
			Sones	8.2	8.6	10.1	12.3	14.2	-	-	-	-	-	-	-
	3125	1467	RPM	420	462	510	566	624	673	-	-	-	-	-	-
			BHP	0.47	0.54	0.63	0.74	0.87	1	-	-	-	-	-	-
			Sones	9.7	9.9	10.9	12.6	14.8	16.9	-	-	-	-	-	-
	3325	1561	RPM	442	481	524	572	629	680	775	-	-	-	-	-
			BHP	0.55	0.63	0.72	0.83	0.95	1.09	1.39	-	-	-	-	-
			Sones	10.8	11.1	11.7	13.1	15.2	17.5	21	-	-	-	-	-
	3625	1702	RPM	476	510	548	590	637	688	777	-	-	-	-	-
			BHP	0.7	0.78	0.87	0.98	1.11	1.24	1.55	-	-	-	-	-
			Sones	12.6	12.6	13.1	14.2	15.7	18.1	22	-	-	-	-	-
3825	1796	RPM	499	531	566	604	646	693	782	867	-	-	-	-	
		BHP	0.82	0.9	0.99	1.1	1.22	1.36	1.67	2.02	-	-	-	-	
		Sones	13.8	13.9	14.3	15.1	16.3	18.4	22	26	-	-	-	-	
4125	1937	RPM	534	562	594	628	665	704	793	869	-	-	-	-	
		BHP	1.01	1.1	1.19	1.3	1.42	1.56	1.87	2.22	-	-	-	-	
		Sones	15.6	15.7	16.1	16.7	17.8	19.2	23	26	-	-	-	-	
4325	2031	RPM	557	584	613	645	679	715	798	877	951	-	-	-	
		BHP	1.16	1.25	1.34	1.45	1.58	1.71	2.02	2.37	2.76	-	-	-	
		Sones	16.9	17.1	17.3	17.8	18.9	19.8	23	26	29	-	-	-	
4625	2171	RPM	593	617	644	672	703	735	807	887	957	-	-	-	
		BHP	1.4	1.49	1.6	1.71	1.83	1.97	2.27	2.62	3.01	-	-	-	
		Sones	19.1	19.3	19.4	19.9	21	22	24	27	30	-	-	-	
4825	2265	RPM	616	640	664	691	720	750	816	892	964	-	-	-	
		BHP	1.59	1.68	1.78	1.9	2.02	2.16	2.46	2.81	3.2	-	-	-	
		Sones	21	21	21	22	22	23	25	27	31	-	-	-	
5125	2406	RPM	652	673	697	721	747	775	834	898	-	-	-	-	
		BHP	1.89	1.99	2.09	2.21	2.33	2.47	2.78	3.12	-	-	-	-	
		Sones	23	24	24	24	24	25	26	28	-	-	-	-	
5325	2500	RPM	676	696	718	742	766	792	848	-	-	-	-	-	
		BHP	2.11	2.21	2.32	2.44	2.57	2.7	3.01	-	-	-	-	-	
		Sones	25	25	25	25	25	26	27	-	-	-	-	-	
5625	2641	RPM	712	731	751	773	796	820	-	-	-	-	-	-	
		BHP	2.48	2.58	2.69	2.81	2.94	3.08	-	-	-	-	-	-	
		Sones	27	27	27	27	27	28	-	-	-	-	-	-	
5825	2735	RPM	736	754	774	794	-	-	-	-	-	-	-	-	
		BHP	2.74	2.85	2.97	3.09	-	-	-	-	-	-	-	-	
		Sones	28	29	28	29	-	-	-	-	-	-	-	-	
6125	2876	RPM	772	789	-	-	-	-	-	-	-	-	-	-	
		BHP	3.17	3.29	-	-	-	-	-	-	-	-	-	-	
		Sones	31	32	-	-	-	-	-	-	-	-	-	-	

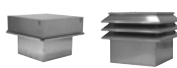


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UL STANDARD 705

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CSF18

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.									
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2
2250	765	RPM	253	-	-	-	-	-	-	-	-	-	-
		BHP	0.14	-	-	-	-	-	-	-	-	-	-
		Sones	2.1	-	-	-	-	-	-	-	-	-	-
2600	884	RPM	269	336	-	-	-	-	-	-	-	-	-
		BHP	0.18	0.26	-	-	-	-	-	-	-	-	-
		Sones	2.8	3.4	-	-	-	-	-	-	-	-	-
2950	1003	RPM	283	346	404	459	509	-	-	-	-	-	-
		BHP	0.23	0.32	0.42	0.54	0.66	-	-	-	-	-	-
		Sones	3.5	3.9	4.7	5.9	7.1	-	-	-	-	-	-
3300	1122	RPM	302	359	413	465	513	558	-	-	-	-	-
		BHP	0.3	0.4	0.5	0.62	0.75	0.89	-	-	-	-	-
		Sones	4.4	4.5	5.2	6.3	7.3	8.7	-	-	-	-	-
3650	1241	RPM	323	375	426	473	519	563	643	716	-	-	-
		BHP	0.38	0.49	0.6	0.72	0.86	1	1.31	1.65	-	-	-
		Sones	5.5	5.4	6.1	6.7	7.7	9.1	12.4	14.5	-	-	-
4000	1361	RPM	344	392	438	483	527	568	647	719	-	-	-
		BHP	0.48	0.59	0.71	0.84	0.98	1.13	1.45	1.79	-	-	-
		Sones	6.8	6.3	6.7	7.3	8.2	9.4	12.6	14.7	-	-	-
4350	1480	RPM	365	410	453	497	536	576	652	722	787	-	-
		BHP	0.6	0.72	0.84	0.98	1.12	1.27	1.6	1.96	2.34	-	-
		Sones	7.9	7.4	7.6	8.2	8.9	10.1	13.1	14.9	16.7	-	-
4700	1599	RPM	387	429	470	509	550	586	658	726	790	-	-
		BHP	0.73	0.86	1	1.14	1.28	1.44	1.78	2.15	2.54	-	-
		Sones	9.7	8.6	8.7	9.1	9.9	11.1	13.4	15.3	17.2	-	-
5050	1718	RPM	410	450	488	525	563	597	666	732	794	909	-
		BHP	0.88	1.02	1.17	1.31	1.47	1.63	1.98	2.35	2.76	3.63	-
		Sones	12.1	10.2	10.1	10.4	11.2	11.9	14.1	15.8	17.6	21	-
5400	1837	RPM	433	470	506	541	576	611	675	739	799	912	-
		BHP	1.06	1.21	1.36	1.52	1.68	1.84	2.2	2.58	3	3.89	-
		Sones	14.6	12.1	11.7	11.8	12.3	13.3	14.7	16.3	17.9	22	-
5750	1956	RPM	456	492	526	559	591	624	686	747	806	916	-
		BHP	1.25	1.42	1.58	1.74	1.91	2.08	2.45	2.84	3.26	4.17	-
		Sones	17.7	13.9	13.5	13.4	13.7	14.5	15.6	16.9	18.5	22	-
6100	2075	RPM	479	513	546	577	608	639	701	757	813	921	-
		BHP	1.47	1.65	1.82	1.99	2.17	2.35	2.72	3.13	3.56	4.48	-
		Sones	21	16.1	15.5	15.1	15.3	15.8	16.7	17.7	19.1	22	-
6450	2194	RPM	503	535	566	596	626	655	714	768	822	927	-
		BHP	1.72	1.91	2.09	2.27	2.45	2.64	3.03	3.44	3.88	4.83	-
		Sones	24	18.7	17.3	16.8	16.9	17.1	17.8	18.6	19.7	23	-
6800	2313	RPM	527	558	587	616	644	672	727	782	833	934	-
		BHP	1.99	2.19	2.38	2.57	2.76	2.96	3.36	3.79	4.23	5.2	-
		Sones	26	21	19.1	18.6	18.8	18.4	18.9	19.7	21	23	-
7150	2432	RPM	551	580	609	636	663	690	742	794	844	942	-
		BHP	2.3	2.5	2.7	2.9	3.11	3.31	3.73	4.16	4.62	5.6	-
		Sones	28	24	21	21	20	19.9	20	21	22	24	-
7500	2551	RPM	575	603	630	657	683	709	759	808	859	951	-
		BHP	2.63	2.85	3.06	3.27	3.48	3.69	4.12	4.57	5.04	6.04	-
		Sones	30	27	23	22	22	22	22	22	23	25	-
7850	2670	RPM	599	626	652	678	703	728	776	824	871	961	-
		BHP	2.99	3.22	3.44	3.66	3.88	4.1	4.55	5.01	5.5	6.52	-
		Sones	32	29	25	24	24	24	24	24	25	26	-
8200	2789	RPM	623	649	675	699	723	747	794	840	885	973	-
		BHP	3.38	3.63	3.86	4.09	4.32	4.55	5.02	5.49	5.99	7.03	-
		Sones	34	32	27	26	25	25	25	25	26	27	-

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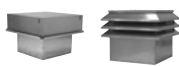


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CSF18 Cont.

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.									
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2
18	8550	2908	RPM	647	673	697	721	744	767	812	856	900	987
			BHP	3.81	4.07	4.31	4.55	4.79	5.03	5.51	6.01	6.51	7.58
			Sones	36	35	30	28	27	27	27	27	27	28
	8900	3027	RPM	672	696	720	743	766	788	831	874	916	-
			BHP	4.28	4.54	4.8	5.05	5.3	5.55	6.05	6.56	7.08	-
			Sones	39	39	34	30	29	29	29	29	29	-
	9250	3146	RPM	696	720	743	765	787	808	851	892	933	-
			BHP	4.78	5.06	5.33	5.59	5.85	6.11	6.63	7.15	7.69	-
			Sones	41	42	37	33	31	31	31	31	31	-
	9600	3265	RPM	721	744	766	788	809	829	870	910	-	-
			BHP	5.32	5.61	5.89	6.16	6.43	6.7	7.24	7.78	-	-
			Sones	44	45	41	37	34	34	34	34	-	-
	9950	3384	RPM	745	768	789	810	831	851	-	-	-	-
			BHP	5.9	6.2	6.49	6.78	7.06	7.34	-	-	-	-
			Sones	48	49	45	41	37	36	-	-	-	-
	10300	3503	RPM	771	796	819	840	862	-	-	-	-	-
			BHP	6.5	6.9	7.2	7.5	7.8	-	-	-	-	-
			Sones	52	53	51	46	42	-	-	-	-	-
	10650	3622	RPM	796	820	842	-	-	-	-	-	-	-
			BHP	7.3	7.6	7.8	-	-	-	-	-	-	-
			Sones	56	57	56	-	-	-	-	-	-	-

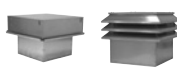


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CSF20

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.										
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2	
20	2800	698	RPM	223	288	342	-	-	-	-	-	-	-	-
			BHP	0.16	0.25	0.35	-	-	-	-	-	-	-	-
			Sones	3.7	5.4	7.6	-	-	-	-	-	-	-	-
	3340	833	RPM	241	299	351	397	-	-	-	-	-	-	-
			BHP	0.22	0.32	0.44	0.56	-	-	-	-	-	-	-
			Sones	4.8	6.2	8.5	10.8	-	-	-	-	-	-	-
	3880	968	RPM	262	313	361	405	-	-	-	-	-	-	-
			BHP	0.31	0.42	0.55	0.68	-	-	-	-	-	-	-
			Sones	6.1	7.2	9.3	11.7	-	-	-	-	-	-	-
	4420	1102	RPM	285	331	375	416	455	-	-	-	-	-	-
			BHP	0.42	0.55	0.68	0.83	0.98	-	-	-	-	-	-
			Sones	7.6	8.6	10.6	12.9	14.8	-	-	-	-	-	-
	4960	1237	RPM	310	350	390	429	465	500	-	-	-	-	-
			BHP	0.57	0.7	0.84	1	1.16	1.33	-	-	-	-	-
			Sones	9.3	10.3	12.1	14.3	15.8	17.3	-	-	-	-	-
	5500	1372	RPM	335	372	408	444	478	511	-	-	-	-	-
			BHP	0.74	0.88	1.03	1.2	1.37	1.55	-	-	-	-	-
			Sones	11.3	12.4	13.9	15.7	16.9	18.4	-	-	-	-	-
	6040	1506	RPM	361	394	428	461	493	524	-	-	-	-	-
			BHP	0.96	1.1	1.26	1.44	1.62	1.81	-	-	-	-	-
			Sones	13.9	14.8	16.3	17.3	18.4	19.6	-	-	-	-	-
	6580	1641	RPM	388	418	449	479	510	539	596	649	-	-	-
			BHP	1.21	1.36	1.53	1.71	1.91	2.11	2.53	2.98	-	-	-
			Sones	16.8	17.5	18.4	19.1	20	21	24	27	-	-	-
7120	1776	RPM	415	443	471	499	527	557	609	661	709	800	-	
		BHP	1.51	1.67	1.85	2.04	2.24	2.45	2.89	3.36	3.85	4.85	-	
		Sones	19.8	20	20	21	22	23	25	28	32	40	-	
7660	1910	RPM	442	468	494	521	547	573	624	673	721	809	-	
		BHP	1.85	2.02	2.21	2.4	2.61	2.83	3.3	3.79	4.29	5.36	-	
		Sones	22	22	22	23	24	25	27	30	34	42	-	
8200	2045	RPM	470	494	518	543	568	592	641	687	733	819	-	
		BHP	2.25	2.43	2.62	2.82	3.04	3.27	3.75	4.26	4.79	5.9	-	
		Sones	25	25	25	26	26	27	29	32	35	43	-	
8740	2180	RPM	497	520	543	566	589	612	658	703	746	830	-	
		BHP	2.7	2.88	3.09	3.3	3.52	3.76	4.26	4.78	5.33	6.49	-	
		Sones	27	28	28	28	28	29	31	34	37	45	-	
9280	2314	RPM	525	547	568	590	612	634	677	719	761	842	-	
		BHP	3.2	3.4	3.61	3.83	4.06	4.31	4.82	5.36	5.93	7.13	-	
		Sones	30	31	30	31	31	32	34	36	40	47	-	
9820	2449	RPM	554	574	594	615	635	656	697	737	777	855	-	
		BHP	3.77	3.98	4.2	4.43	4.67	4.92	5.45	6.01	6.6	7.84	-	
		Sones	33	34	33	33	34	34	37	39	42	50	-	
10360	2584	RPM	582	601	620	640	659	678	717	756	795	-	-	
		BHP	4.41	4.62	4.85	5.09	5.33	5.59	6.14	6.71	7.32	-	-	
		Sones	35	37	37	36	37	37	40	42	45	-	-	
10900	2718	RPM	610	628	647	665	683	702	739	776	-	-	-	
		BHP	5.11	5.33	5.57	5.81	6.07	6.34	6.9	7.49	-	-	-	
		Sones	38	39	39	39	40	41	43	46	-	-	-	
11440	2853	RPM	639	656	673	691	708	726	761	-	-	-	-	
		BHP	5.88	6.12	6.36	6.62	6.88	7.16	7.73	-	-	-	-	
		Sones	41	43	43	44	44	45	47	-	-	-	-	
11980	2988	RPM	667	684	700	717	734	-	-	-	-	-	-	
		BHP	6.73	6.97	7.23	7.49	7.77	-	-	-	-	-	-	
		Sones	45	47	48	48	49	-	-	-	-	-	-	
12520	3122	RPM	696	-	-	-	-	-	-	-	-	-	-	
		BHP	7.66	-	-	-	-	-	-	-	-	-	-	
		Sones	50	-	-	-	-	-	-	-	-	-	-	

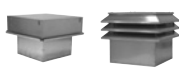


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LSF PERFORMANCE

LSF 9

MODEL LSF	CFM	OV		Static Pressure in Inches w.g.							
				1/8	1/4	3/8	1/2	5/8	3/4	1	
9	475	540	RPM	431	-	-	-	-	-	-	-
			BHP	0.03	-	-	-	-	-	-	-
			Sones	4.1	-	-	-	-	-	-	-
	575	653	RPM	437	-	-	-	-	-	-	-
			BHP	0.04	-	-	-	-	-	-	-
			Sones	4.3	-	-	-	-	-	-	-
	675	767	RPM	455	-	-	-	-	-	-	-
			BHP	0.05	-	-	-	-	-	-	-
			Sones	4.9	-	-	-	-	-	-	-
	775	881	RPM	480	614	-	-	-	-	-	-
			BHP	0.06	0.1	-	-	-	-	-	-
			Sones	5.8	10.3	-	-	-	-	-	-
	875	994	RPM	509	628	-	-	-	-	-	-
			BHP	0.08	0.12	-	-	-	-	-	-
			Sones	6.9	11	-	-	-	-	-	-
	975	1108	RPM	540	647	755	-	-	-	-	-
			BHP	0.1	0.14	0.19	-	-	-	-	-
			Sones	8.3	11.9	15.2	-	-	-	-	-
	1075	1222	RPM	574	672	769	867	-	-	-	-
			BHP	0.13	0.17	0.22	0.27	-	-	-	-
			Sones	9.8	13	15.7	18.9	-	-	-	-
	1175	1335	RPM	610	700	789	878	-	-	-	-
			BHP	0.16	0.2	0.25	0.31	-	-	-	-
			Sones	11.7	14	16.4	19.3	-	-	-	-
	1275	1449	RPM	646	731	814	894	976	-	-	-
			BHP	0.2	0.24	0.29	0.35	0.41	-	-	-
			Sones	13.7	15.3	17.4	20	25	-	-	-
1375	1563	RPM	683	763	840	915	991	1067	-	-	
		BHP	0.24	0.29	0.34	0.4	0.46	0.53	-	-	
		Sones	15.3	16.7	18.5	22	26	32	-	-	
1475	1676	RPM	721	796	868	939	1009	1080	1223		
		BHP	0.29	0.34	0.39	0.45	0.52	0.59	0.75		
		Sones	16.8	18.1	19.7	23	28	33	48		
1575	1790	RPM	759	832	899	965	1031	1098	1231		
		BHP	0.34	0.4	0.46	0.52	0.58	0.65	0.81		
		Sones	18.4	19.8	21	25	29	35	49		
1675	1903	RPM	797	867	931	994	1056	1118	1243		
		BHP	0.41	0.47	0.52	0.59	0.65	0.72	0.88		
		Sones	20	22	24	27	32	36	50		
1775	2017	RPM	837	903	965	1024	1084	1142	1259		
		BHP	0.48	0.54	0.6	0.66	0.73	0.81	0.96		
		Sones	22	24	26	30	34	39	52		
1875	2131	RPM	876	940	999	1056	1112	1168	1279		
		BHP	0.55	0.62	0.68	0.75	0.82	0.9	1.06		
		Sones	24	26	29	33	37	42	55		
1975	2244	RPM	915	978	1034	1089	1142	1195	-		
		BHP	0.64	0.71	0.78	0.85	0.92	0.99	-		
		Sones	26	29	32	36	40	45	-		
2075	2358	RPM	955	1015	1070	1123	1174	1224	-		
		BHP	0.73	0.81	0.88	0.95	1.03	1.1	-		
		Sones	29	32	36	40	44	49	-		
2175	2472	RPM	995	1053	1107	1157	-	-	-		
		BHP	0.84	0.91	0.99	1.07	-	-	-		
		Sones	33	36	39	44	-	-	-		
2275	2585	RPM	1035	1092	-	-	-	-	-		
		BHP	0.95	1.03	-	-	-	-	-		
		Sones	36	40	-	-	-	-	-		
2375	2699	RPM	1075	-	-	-	-	-	-		
		BHP	1.07	-	-	-	-	-	-		
		Sones	40	-	-	-	-	-	-		

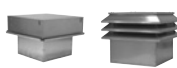


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LSF 10

MODEL LSF	CFM	OV		Static Pressure in Inches w.g.									
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	
10	950	888	RPM	421	-	-	-	-	-	-	-	-	-
			BHP	0.07	-	-	-	-	-	-	-	-	-
			Sones	5.5	-	-	-	-	-	-	-	-	-
	1075	1005	RPM	444	-	-	-	-	-	-	-	-	-
			BHP	0.09	-	-	-	-	-	-	-	-	-
			Sones	6.3	-	-	-	-	-	-	-	-	-
	1200	1121	RPM	470	572	-	-	-	-	-	-	-	-
			BHP	0.11	0.16	-	-	-	-	-	-	-	-
			Sones	7.2	10.3	-	-	-	-	-	-	-	-
	1325	1238	RPM	498	592	682	-	-	-	-	-	-	-
BHP			0.14	0.19	0.25	-	-	-	-	-	-	-	
Sones			8.3	11.4	14.5	-	-	-	-	-	-	-	
1450	1355	RPM	528	615	698	-	-	-	-	-	-	-	
		BHP	0.18	0.23	0.29	-	-	-	-	-	-	-	
		Sones	9.6	12.6	15.1	-	-	-	-	-	-	-	
1575	1472	RPM	559	639	717	793	866	-	-	-	-	-	
		BHP	0.22	0.28	0.34	0.4	0.47	-	-	-	-	-	
		Sones	11	13.9	16.2	18.3	22	-	-	-	-	-	
1700	1589	RPM	591	666	739	810	879	947	1074	-	-	-	
		BHP	0.27	0.33	0.39	0.46	0.53	0.61	0.78	-	-	-	
		Sones	12.5	15.1	17.1	19.2	23	24	31	-	-	-	
1825	1706	RPM	623	694	762	829	895	959	1082	1196	-	-	
		BHP	0.32	0.39	0.45	0.52	0.6	0.68	0.85	1.04	-	-	
		Sones	14.3	16.4	18.3	20	23	25	31	38	-	-	
1950	1822	RPM	657	723	787	851	913	974	1092	1203	1308	-	
		BHP	0.39	0.45	0.52	0.59	0.67	0.75	0.93	1.13	1.33	-	
		Sones	15.7	17.9	19.5	21	24	26	32	38	45	-	
2075	1939	RPM	691	753	814	874	933	991	1104	1212	1315	-	
		BHP	0.46	0.52	0.6	0.67	0.75	0.83	1.02	1.22	1.43	-	
		Sones	17	19.5	21	22	25	27	33	39	46	-	
2200	2056	RPM	725	784	841	898	954	1010	1118	1223	1323	-	
		BHP	0.54	0.61	0.68	0.76	0.84	0.93	1.11	1.32	1.53	-	
		Sones	18.5	21	22	24	26	28	34	40	46	-	
2325	2173	RPM	759	815	870	924	978	1030	1134	1235	-	-	
		BHP	0.63	0.7	0.78	0.86	0.94	1.03	1.22	1.43	-	-	
		Sones	20	22	24	25	28	29	35	41	-	-	
2450	2290	RPM	794	847	900	951	1002	1053	1152	1249	-	-	
		BHP	0.72	0.8	0.88	0.96	1.05	1.14	1.34	1.55	-	-	
		Sones	22	24	25	27	30	31	36	42	-	-	
2575	2407	RPM	829	880	930	979	1028	1076	1172	-	-	-	
		BHP	0.83	0.91	1	1.08	1.17	1.27	1.46	-	-	-	
		Sones	25	26	27	28	31	33	38	-	-	-	
2700	2523	RPM	865	913	961	1008	1055	1101	-	-	-	-	
		BHP	0.95	1.03	1.12	1.21	1.3	1.4	-	-	-	-	
		Sones	26	27	29	30	33	34	-	-	-	-	
2825	2640	RPM	900	947	993	1038	1083	1127	-	-	-	-	
		BHP	1.08	1.17	1.26	1.35	1.45	1.55	-	-	-	-	
		Sones	28	29	31	32	35	36	-	-	-	-	
2950	2757	RPM	936	981	1025	1068	-	-	-	-	-	-	
		BHP	1.22	1.31	1.41	1.5	-	-	-	-	-	-	
		Sones	30	31	33	34	-	-	-	-	-	-	
3075	2874	RPM	972	1015	1057	-	-	-	-	-	-	-	
		BHP	1.37	1.47	1.57	-	-	-	-	-	-	-	
		Sones	32	33	35	-	-	-	-	-	-	-	
3200	2991	RPM	1008	-	-	-	-	-	-	-	-	-	
		BHP	1.54	-	-	-	-	-	-	-	-	-	
		Sones	34	-	-	-	-	-	-	-	-	-	

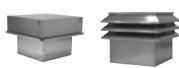


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UL STANDARD 705

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



LSF 12

MODEL LSF	CFM	OV		Static Pressure in Inches w.g.								
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	
12	1450	967	RPM	391	478	575	-	-	-	-	-	-
			BHP	0.14	0.2	0.28	-	-	-	-	-	-
			Sones	6.4	8	11.1	-	-	-	-	-	-
	1600	1067	RPM	414	492	576	-	-	-	-	-	-
			BHP	0.18	0.24	0.31	-	-	-	-	-	-
			Sones	7.5	8.6	11.2	-	-	-	-	-	-
	1750	1167	RPM	439	510	583	663	-	-	-	-	-
			BHP	0.22	0.28	0.36	0.46	-	-	-	-	-
			Sones	8.6	9.4	11.6	14.1	-	-	-	-	-
	1900	1267	RPM	465	530	596	667	742	-	-	-	-
			BHP	0.27	0.33	0.41	0.5	0.62	-	-	-	-
			Sones	9.8	10.5	12.4	14.5	16.8	-	-	-	-
	2050	1367	RPM	491	552	613	676	743	-	-	-	-
			BHP	0.33	0.4	0.47	0.56	0.67	-	-	-	-
			Sones	11.2	11.7	13.1	14.9	16.9	-	-	-	-
	2200	1467	RPM	518	576	632	689	749	813	-	-	-
			BHP	0.4	0.47	0.54	0.63	0.74	0.86	-	-	-
			Sones	12.7	13.1	13.9	15.3	17.2	20	-	-	-
	2350	1567	RPM	545	600	652	705	760	818	-	-	-
			BHP	0.47	0.55	0.63	0.72	0.82	0.94	-	-	-
			Sones	13.9	14.5	15.1	16.2	17.7	20	-	-	-
	2500	1667	RPM	573	625	675	724	775	827	938	-	-
			BHP	0.56	0.64	0.72	0.81	0.91	1.03	1.3	-	-
			Sones	15.4	15.7	16.2	17.3	18.6	21	26	-	-
	2650	1767	RPM	601	651	698	744	791	840	941	-	-
			BHP	0.65	0.74	0.82	0.92	1.02	1.13	1.39	-	-
			Sones	16.8	17.3	17.7	18.6	20	22	26	-	-
	2800	1867	RPM	629	677	722	766	810	855	949	1049	-
			BHP	0.76	0.85	0.94	1.04	1.14	1.25	1.51	1.82	-
			Sones	18.1	18.9	19.2	20	21	22	27	31	-
2950	1967	RPM	657	703	747	789	830	873	960	1052	-	
		BHP	0.87	0.97	1.07	1.17	1.27	1.38	1.63	1.94	-	
		Sones	19.4	20	20	21	22	23	27	32	-	
3100	2067	RPM	685	730	772	812	852	892	973	1059	-	
		BHP	1	1.11	1.21	1.31	1.42	1.53	1.78	2.07	-	
		Sones	21	22	22	23	23	25	28	32	-	
3250	2167	RPM	714	758	798	836	874	912	989	-	-	
		BHP	1.14	1.25	1.36	1.47	1.58	1.69	1.94	-	-	
		Sones	22	23	24	24	25	26	29	-	-	
3400	2267	RPM	742	785	824	861	898	934	-	-	-	
		BHP	1.3	1.42	1.53	1.64	1.75	1.87	-	-	-	
		Sones	24	25	25	26	26	27	-	-	-	
3550	2367	RPM	771	813	850	886	921	956	-	-	-	
		BHP	1.47	1.59	1.71	1.82	1.94	2.06	-	-	-	
		Sones	25	26	27	27	28	29	-	-	-	
3700	2467	RPM	800	840	877	912	-	-	-	-	-	
		BHP	1.65	1.78	1.9	2.02	-	-	-	-	-	
		Sones	27	28	28	28	-	-	-	-	-	
3850	2567	RPM	829	868	904	-	-	-	-	-	-	
		BHP	1.85	1.98	2.11	-	-	-	-	-	-	
		Sones	28	29	30	-	-	-	-	-	-	
4000	2667	RPM	858	-	-	-	-	-	-	-	-	
		BHP	2.06	-	-	-	-	-	-	-	-	
		Sones	30	-	-	-	-	-	-	-	-	

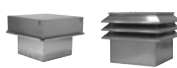


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UL STANDARD 705

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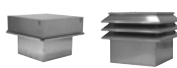
LSF 15

MODEL LSF	CFM	OV		Static Pressure in Inches w.g.										
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2		
15	1625	763	RPM	293	-	-	-	-	-	-	-	-	-	-
			BHP	0.1	-	-	-	-	-	-	-	-	-	-
			Sones	4.5	-	-	-	-	-	-	-	-	-	-
	1825	857	RPM	305	390	-	-	-	-	-	-	-	-	-
			BHP	0.13	0.19	-	-	-	-	-	-	-	-	-
			Sones	5.1	6.8	-	-	-	-	-	-	-	-	-
	2125	998	RPM	330	403	475	-	-	-	-	-	-	-	-
			BHP	0.18	0.25	0.33	-	-	-	-	-	-	-	-
			Sones	6.3	7.6	9.6	-	-	-	-	-	-	-	-
	2325	1092	RPM	348	416	480	547	-	-	-	-	-	-	-
			BHP	0.22	0.29	0.37	0.47	-	-	-	-	-	-	-
			Sones	7.2	8.2	9.8	11.7	-	-	-	-	-	-	-
	2625	1232	RPM	377	434	495	552	612	-	-	-	-	-	-
			BHP	0.3	0.37	0.46	0.55	0.67	-	-	-	-	-	-
			Sones	8.7	9.3	10.5	12.1	14.1	-	-	-	-	-	-
2825	1326	RPM	397	451	508	559	615	670	-	-	-	-	-	
		BHP	0.36	0.43	0.53	0.62	0.73	0.86	-	-	-	-	-	
		Sones	9.6	10.2	11.3	12.4	14.3	16.4	-	-	-	-	-	
3125	1467	RPM	428	477	525	578	624	674	-	-	-	-	-	
		BHP	0.47	0.55	0.64	0.74	0.85	0.97	-	-	-	-	-	
		Sones	11.4	11.6	12.4	13.8	14.9	16.8	-	-	-	-	-	
3325	1561	RPM	449	495	541	590	634	680	-	-	-	-	-	
		BHP	0.55	0.64	0.73	0.84	0.94	1.07	-	-	-	-	-	
		Sones	12.7	12.8	13.4	14.6	15.7	17.1	-	-	-	-	-	
3625	1702	RPM	482	524	566	608	655	694	779	-	-	-	-	
		BHP	0.7	0.79	0.89	0.99	1.11	1.23	1.51	-	-	-	-	
		Sones	14.4	14.6	14.9	15.7	17.1	18.2	21	-	-	-	-	
3825	1796	RPM	504	544	584	623	666	707	785	866	-	-	-	
		BHP	0.81	0.91	1.01	1.11	1.23	1.36	1.63	1.95	-	-	-	
		Sones	15.7	15.7	16.1	16.6	18.1	19.3	22	25	-	-	-	
4125	1937	RPM	537	575	612	648	685	726	797	873	948	-	-	
		BHP	1	1.1	1.21	1.32	1.44	1.57	1.85	2.16	2.52	-	-	
		Sones	17.7	17.9	18.2	18.4	19.2	20	23	26	29	-	-	
4325	2031	RPM	559	595	631	666	701	737	810	879	951	-	-	
		BHP	1.14	1.25	1.36	1.48	1.6	1.73	2.01	2.32	2.67	-	-	
		Sones	19.3	19.2	19.1	19.6	21	21	24	26	29	-	-	
4625	2171	RPM	593	627	660	693	726	759	830	892	959	-	-	
		BHP	1.37	1.49	1.61	1.73	1.86	1.99	2.28	2.59	2.94	-	-	
		Sones	20	21	21	22	22	23	25	27	30	-	-	
4825	2265	RPM	616	649	681	712	743	775	841	905	966	-	-	
		BHP	1.55	1.67	1.8	1.92	2.05	2.19	2.48	2.79	3.14	-	-	
		Sones	23	23	23	23	24	24	26	28	30	-	-	
5125	2406	RPM	650	681	711	741	771	800	860	925	-	-		
		BHP	1.84	1.97	2.1	2.23	2.37	2.51	2.81	3.13	-	-		
		Sones	25	25	25	25	26	26	27	29	-	-		
5325	2500	RPM	673	703	732	761	789	818	875	-	-	-		
		BHP	2.05	2.19	2.32	2.46	2.6	2.74	3.05	-	-	-		
		Sones	27	27	27	27	27	27	28	-	-	-		
5625	2641	RPM	707	736	764	791	818	845	-	-	-	-		
		BHP	2.4	2.54	2.69	2.83	2.98	3.13	-	-	-	-		
		Sones	29	29	29	29	29	29	-	-	-	-		
5825	2735	RPM	730	758	785	812	-	-	-	-	-	-		
		BHP	2.65	2.8	2.95	3.1	-	-	-	-	-	-		
		Sones	31	31	31	31	-	-	-	-	-	-		
6125	2876	RPM	765	-	-	-	-	-	-	-	-	-		
		BHP	3.07	-	-	-	-	-	-	-	-	-		
		Sones	33	-	-	-	-	-	-	-	-	-		

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LSF 20

MODEL LSF	CFM	OV		Static Pressure in Inches w.g.												
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2			
20	2800	698	RPM	222	-	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.15	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	3.5	-	-	-	-	-	-	-	-	-	-	-	-
	3340	833	RPM	239	297	350	-	-	-	-	-	-	-	-	-	-
			BHP	0.21	0.31	0.42	-	-	-	-	-	-	-	-	-	-
			Sones	4.6	5.8	7.2	-	-	-	-	-	-	-	-	-	
	3880	968	RPM	259	312	359	405	-	-	-	-	-	-	-	-	-
			BHP	0.3	0.4	0.53	0.66	-	-	-	-	-	-	-	-	
			Sones	5.8	6.8	7.8	9.3	-	-	-	-	-	-	-		
	4420	1102	RPM	282	328	372	414	454	-	-	-	-	-	-	-	-
			BHP	0.41	0.52	0.65	0.79	0.94	-	-	-	-	-	-		
			Sones	7.1	7.8	8.8	10	11.9	-	-	-	-	-			
	4960	1237	RPM	306	346	388	425	463	499	-	-	-	-	-	-	
			BHP	0.55	0.67	0.8	0.95	1.11	1.28	-	-	-	-			
			Sones	8.6	8.9	9.9	10.9	12.7	14.6	-	-	-				
	5500	1372	RPM	332	367	405	441	475	509	572	-	-	-	-		
			BHP	0.72	0.84	0.99	1.15	1.31	1.49	1.86	-	-	-			
			Sones	10.1	10.3	11.2	12.5	13.9	15.7	19	-	-				
	6040	1506	RPM	358	390	423	457	490	520	581	638	-	-	-		
			BHP	0.93	1.06	1.21	1.37	1.55	1.74	2.13	2.54	-	-			
Sones			11.8	11.9	12.6	13.9	15.5	16.8	19.7	22	-					
6580	1641	RPM	384	414	443	474	506	535	592	647	699	-				
		BHP	1.17	1.31	1.47	1.64	1.82	2.02	2.43	2.86	3.31	-				
		Sones	13.6	13.8	14.3	15.5	16.9	18.4	21	23	26					
7120	1776	RPM	412	438	466	493	523	552	604	657	707	800				
		BHP	1.46	1.61	1.77	1.95	2.14	2.34	2.77	3.22	3.7	4.68				
		Sones	15.9	15.7	16.2	17.1	18.6	20	22	24	26	32				
7660	1910	RPM	439	464	489	514	540	568	620	669	717	808				
		BHP	1.8	1.95	2.12	2.3	2.5	2.71	3.15	3.62	4.12	5.16				
		Sones	18.5	18.1	18.3	19.3	20	22	24	25	27	33				
8200	2045	RPM	467	489	513	537	561	585	637	682	728	816				
		BHP	2.19	2.35	2.52	2.71	2.91	3.12	3.58	4.07	4.59	5.67				
		Sones	21	21	21	22	22	23	25	26	28	34				
8740	2180	RPM	495	516	538	560	582	605	653	699	741	826				
		BHP	2.62	2.79	2.97	3.17	3.38	3.59	4.06	4.57	5.1	6.23				
		Sones	24	24	24	24	24	25	26	28	30	35				
9280	2314	RPM	523	542	563	584	605	626	670	715	756	837				
		BHP	3.12	3.3	3.48	3.69	3.9	4.12	4.61	5.12	5.67	6.84				
		Sones	28	27	26	26	26	26	28	30	32	36				
9820	2449	RPM	551	569	589	608	628	648	688	731	773	849				
		BHP	3.68	3.86	4.05	4.26	4.48	4.71	5.21	5.74	6.3	7.5				
		Sones	30	29	29	28	28	28	29	31	34	38				
10360	2584	RPM	579	597	615	633	652	671	709	748	789	-				
		BHP	4.3	4.49	4.69	4.9	5.13	5.37	5.87	6.42	6.99	-				
		Sones	33	32	31	31	30	30	31	33	35	-				
10900	2718	RPM	607	624	641	659	676	694	730	767	805	-				
		BHP	4.98	5.18	5.39	5.61	5.85	6.09	6.61	7.16	7.75	-				
		Sones	36	35	34	33	33	33	33	35	37	-				
11440	2853	RPM	636	652	668	685	701	718	752	-	-	-				
		BHP	5.74	5.95	6.16	6.39	6.63	6.88	7.41	-	-	-				
		Sones	39	37	36	36	35	35	35	-	-	-				
11980	2988	RPM	664	680	695	711	727	743	-	-	-	-				
		BHP	6.57	6.79	7.01	7.25	7.49	7.75	-	-	-	-				
		Sones	42	40	39	39	38	38	-	-	-	-				
12520	3122	RPM	693	708	-	-	-	-	-	-	-	-				
		BHP	7.48	7.7	-	-	-	-	-	-	-	-				
		Sones	45	43	-	-	-	-	-	-	-	-				

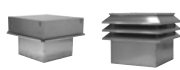


S&P Canada Ventilation Products, Inc., Div. of Soler & Palau Ventilation Group, certifies that the Model LSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

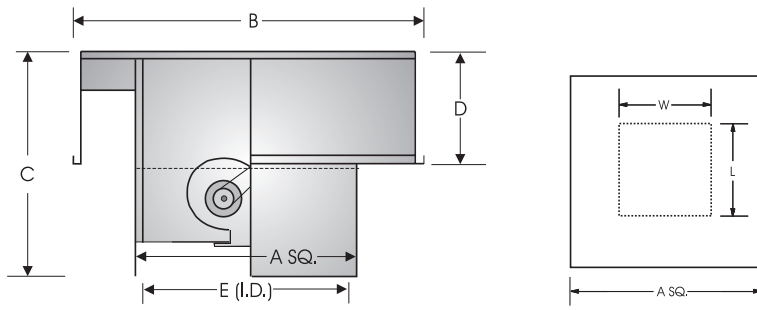


UL STANDARD 705

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



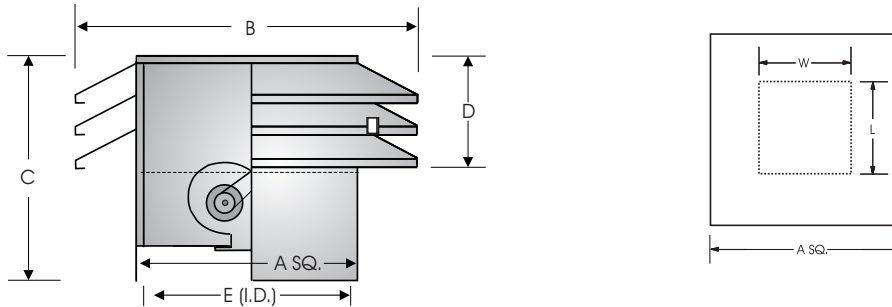
DIMENSIONS



CSF

Discharge Opening

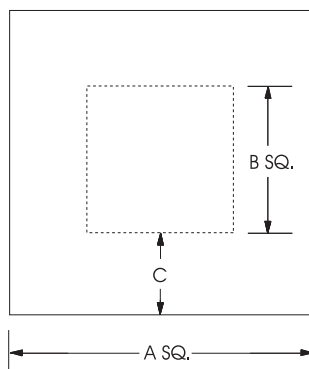
Model Size	A Housing OD	B Overall Width	C Overall Height	D Intake Height	Roof Opening	E Curb Cap ID	Damper OD	Discharge Opening	Filter Size/No.	No. Tiers	Avg. Ship Weight (lbs.)
CSF-9	24 -1/2	37-1/2	23-1/2	16	19-1/2	24 X 24	16	12 X 10-1/2	16 X 20 X 1 (4)	N/A	265
CSF-10	28-1/2	43	23-1/2	16	23-1/2	28 X 28	20	13-1/4 X 11-5/8	16 X 25 X 1 (4)	N/A	290
CSF-12	28-1/2	43	30-1/2	16	23-1/2	28 X 28	20	15-7/8 X 13-5/8	16 X 25 X 1 (4)	N/A	340
CSF-15	32-1/2	50-1/2	32	16	27-1/2	32 X 32	24	18-7/8 X 16-1/4	16 X 25 X 1 (4)	N/A	380
CSF-18	36-1/2	56-1/2	38-1/2	22	31-3/8	36 X 36	27	22-1/4 X 19	20 X 25 X 1 (4)	N/A	540
CSF-20	51-1/4	74-1/2	46-3/4	26	46	51 X 51	42	23-1/8 X 25	20 X 25 X 1 (8)	N/A	890



LSF

Discharge Opening

Model Size	A Housing OD	B Overall Width	C Overall Height	D Intake Height	Roof Opening	E Curb Cap ID	Damper OD	Discharge Opening	Filter Size/No.	No. Tiers	Avg. Ship Weight (lbs.)
LSF-9	24 -1/2	37-3/4	23-3/4	16-1/8	19-1/2	24 X 24	16	12 X 10-1/2	16 X 20 X 1 (4)	3	265
LSF-10	28-1/2	41-3/4	23-3/4	16	23-1/2	28 X 28	20	13-1/4 X 11-5/8	16 X 25 X 1 (4)	3	290
LSF-12	28-1/2	41-3/4	30-1/2	16	23-1/2	28 X 28	20	15-7/8 X 13-5/8	16 X 25 X 1 (4)	3	340
LSF-15	32-1/2	45-3/4	32	18	27-1/2	32 X 32	24	18-7/8 X 16-1/4	21-1/2 X 28 X 1 (4)	4	380
LSF-18	36-1/2	50	38-5/8	23	31-3/8	36 X 36	27	22-1/4 X 19	24 X 30 X 1 (4)	5	540
LSF-20	51-1/2	65	47	26	46	51 X 51	42	23-1/8 X 25	25-1/2 X 45-1/2 X (4)	5	890



Duct Adaptor Dimensions

Model/Size CSF/LSF	A SQ.	B SQ.	C
CSF/LSF-9	18-1/2	14-1/2	2
CSF/LSF-10	22-1/2	18-1/2	2
CSF/LSF-12	22-1/2	18-1/2	2
CSF/LSF-15	26-1/2	20-1/2	3
CSF/LSF-18	30-1/2	24-1/2	3
CSF/LSF-20	45	30	7-1/2

Centrifugal Inline Index

MODEL SQB

116



MODEL SQD/eSQD

139



MODEL CFD

151



MODEL CTB

161



MODEL CVTT

178



MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



MODEL FEATURES

- Exhaust air up to 24,000 CFM in high static pressure applications up to 3-1/2" w.g.
- Belt drives permit easy performance adjustments when needed
- Ideal for applications where space is limited
- Non-overloading backward inclined wheel for efficiency at higher static pressures
- AMCA Air and Sound Licensed
- cULus 705 Listed

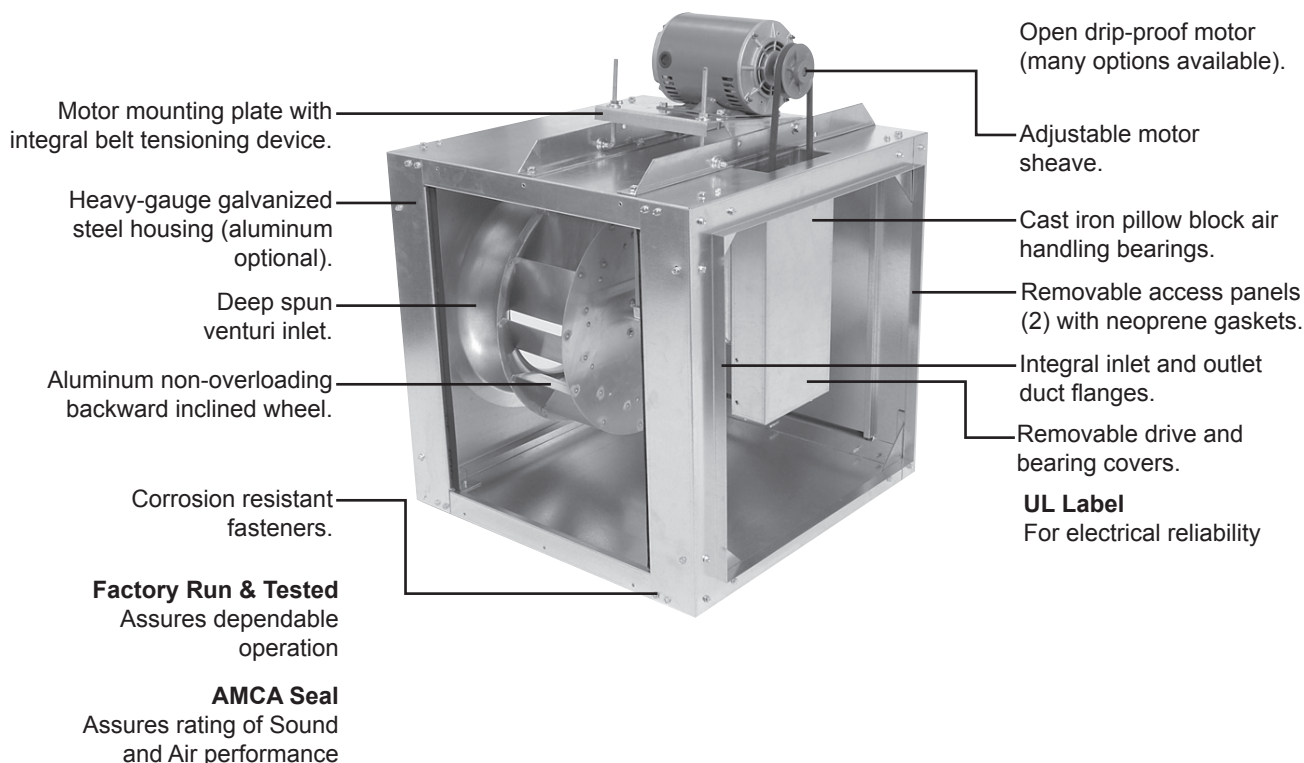
APPLICATION CONSTRUCTION OPTIONS

MODEL NAME	TYPICAL APPLICATIONS
SQB	Removal of clean air in general applications
SQBHP	High Pressure version of SQB

MODEL OVERVIEW

Model SQB fans are available in sizes 7 through 42, moving from 100 to over 24,000 CFM, with high static pressure capabilities to 3-1/2". SQB units are the perfect selection for clean air applications where space is a leading consideration. The compact housing, with removable access doors (2), can be mounted in any orientation.

CONSTRUCTION FEATURES AND OPTIONS



1 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.
CGV_SQB_0612



CONSTRUCTION/SPECIFICATION CHECKLIST

Blower/Housing

- Aluminum, non-overloading, backward inclined centrifugal wheel statically and dynamically balanced.
- Deep spun venturi inlet.
- Heavy-gauge galvanized steel housing.
- Integral inlet and outlet duct collars.
- Universal mounting - horizontal, vertical, or any angle.
- Motors and drives out of the airstream.
- Removable drive and bearing covers for easy access.
- Easy access to interior of unit with removable side panels (two per unit) with closed cell neoprene gasketing.
- Motor, drives, wheel, shaft, and bearings removable from unit without disconnecting duct.
- Motor mount plate with integral belt tensioning device.

Shaft and Bearings

- Precision turned, ground, and polished steel fan shaft and keyed.
- Self aligning cast iron air handling pillow block bearings with re-lube fitting, double sealed and pre-lubricated, designed for 200,000 hour life, L50.

Motor and Drives

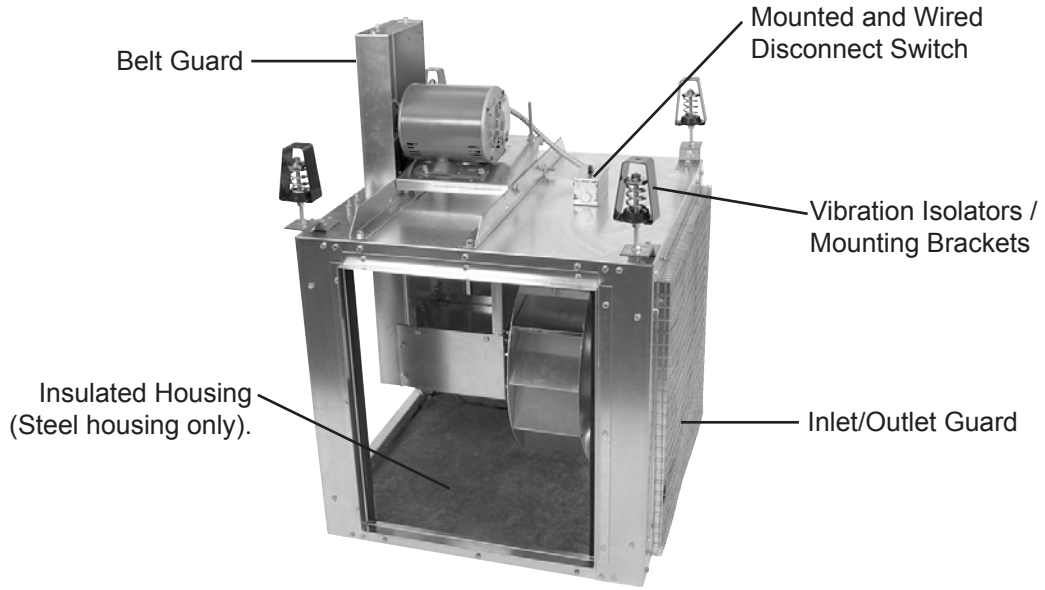
- Permanently sealed ball bearing type motor furnished to the specified voltage, phase, and enclosure.
- Open drip-proof is standard. Two speed, totally enclosed, and explosion proof motors can be specified for most models.
- Drives are specified for a minimum of 150% of driven horsepower. Cast iron motor pulleys are factory set to the required RPM and are adjustable for final system balancing.
- Disconnect switch standard on single speed drip-proof and totally enclosed motors.

Certifications

- AMCA - the AMCA Seal on all units assures certified rating of air and sound performance.
- cULus - most models are available as listed by Underwriters Laboratories under Standard 705 when specified.



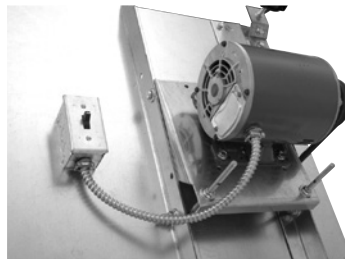
OPTIONS/ACCESSORIES



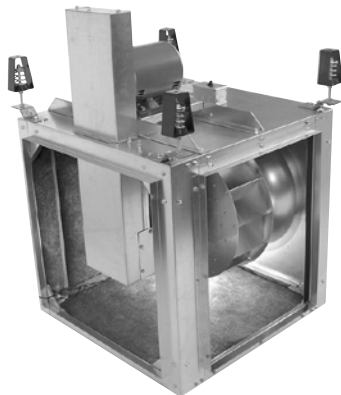
External Grease Fittings



Mounted and Wired Disconnect



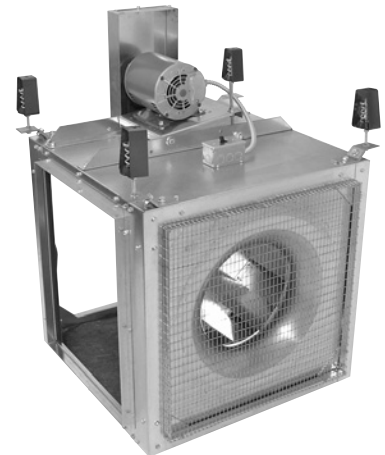
Belt Guard



Motor Cover



Inlet/Outlet Guard

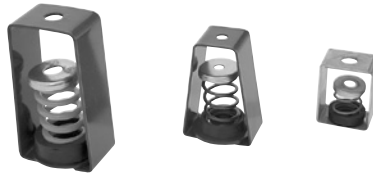




**Hanging Bracket/
 Mounting Foot with
 Hanging Spring Isolator**



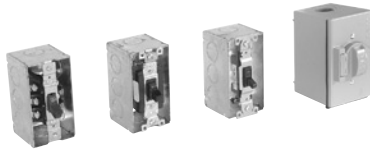
Hanging Spring Isolators



**Hanging Rubber in
 Shear Isolators**



Assorted Disconnects



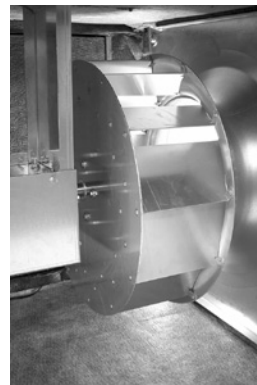
Heavy-duty Disconnect



Backdraft Damper



Insulated Housing



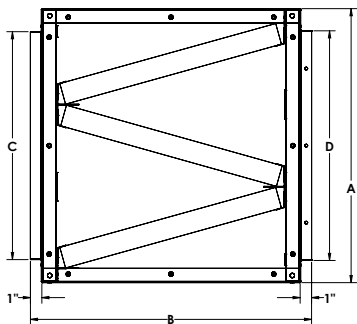


FILTER BOX OPTIONS



Features

- Designed for use with SQB Fans
- Designed to handle 1" or 2" filters
- Galvanized or aluminum construction up to size 24
- Galvanized construction sizes 30-42
- Standard filter is washable aluminum
- MERV 7 (1") or MERV 8 (2") disposable pleated filters available by special quote
- Removable side panels for easy access to filters



Dimensions - Filter Box with 1" Aluminum Filters

Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	1" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
07-08	25	25	11-7/8	12	28	15	2	15x20x1
10	18	24-1/2	13-7/8	14	35	17	2	16x20x1
12	22	29-1/8	17-7/8	18	48	24	2	20x25x1
15	24	24-5/8	21-7/8	22	47	23	3	20x25x1
18	28	24-5/8	23-7/8	24	62	31	4	20x25x1
20	32	29-1/8	27-7/8	28	72	36	6	16x25x1
24	39	29-1/8	34-7/8	35	96	47	6	20x25x1
30	44	30-3/8	39-7/8	40	131	-	8	20x25x1
36	52	27-1/8	47-7/8	48	149	-	10	20x25x1
42	58	32-1/8	53-7/8	54	180	-	15	20x25x1

Dimensions - Filter Box with 2" Aluminum Filters

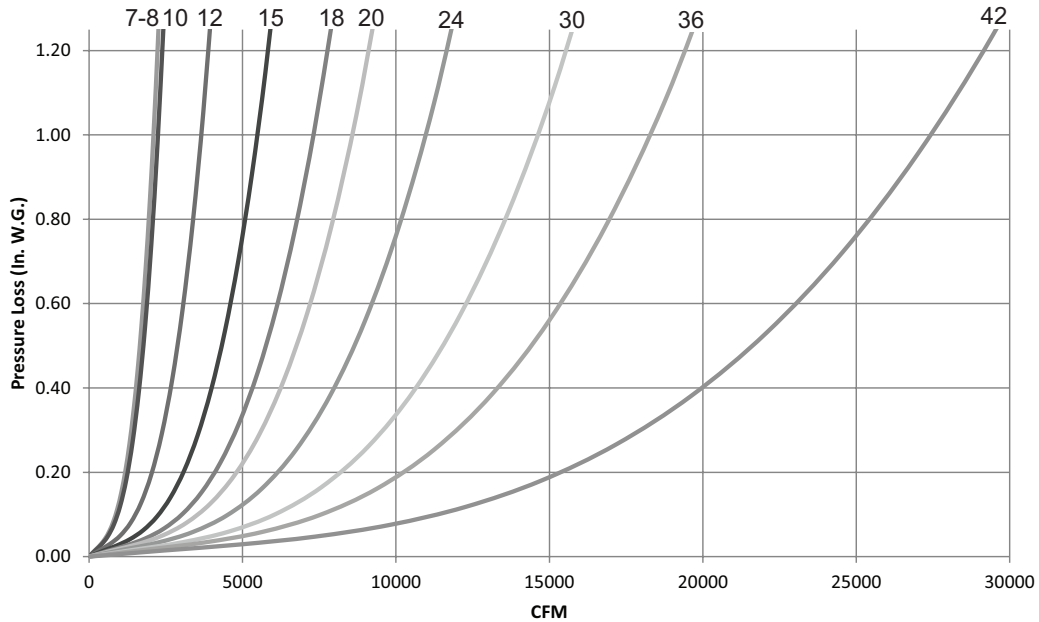
Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	2" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
07-08	25	25	11-7/8	12	29	16	2	15x20x2
10	18	24-1/2	13-7/8	14	37	19	2	16x20x2
12	22	29-1/8	17-7/8	18	50	26	2	20x25x2
15	24	24-5/8	21-7/8	22	49	25	3	20x25x2
18	28	24-5/8	23-7/8	24	65	34	4	20x25x2
20	32	29-1/8	27-7/8	28	75	39	6	16x25x2
24	39	29-1/8	34-7/8	35	100	51	6	20x25x2
30	44	30-3/8	39-7/8	40	135	-	8	20x25x2
36	52	27-1/8	47-7/8	48	154	-	10	20x25x2
42	58	32-1/8	53-7/8	54	185	-	15	20x25x2



FILTER BOX OPTIONS Cont.

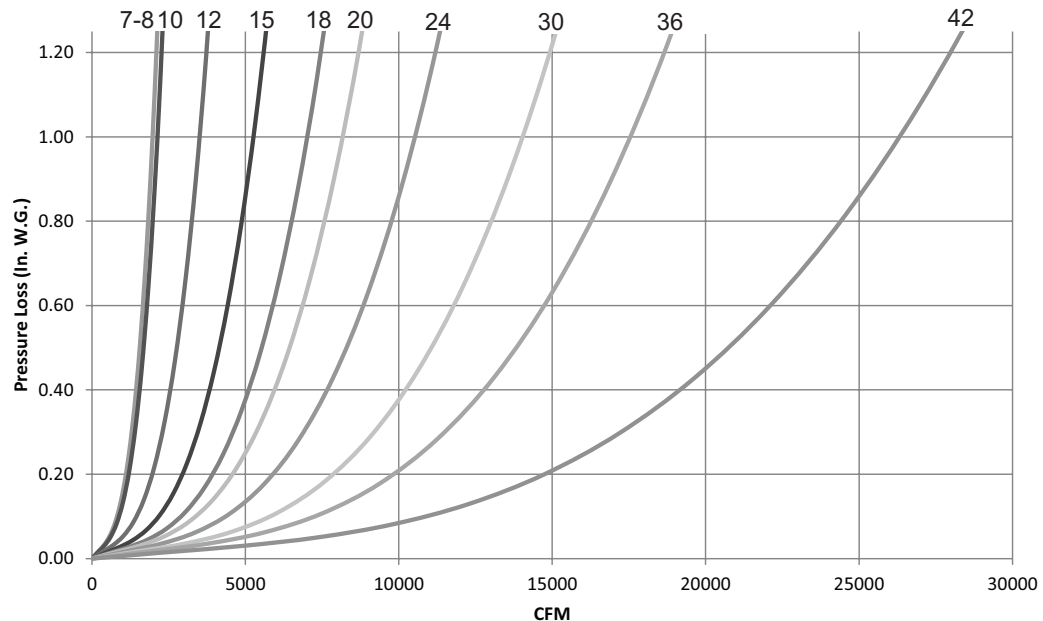
PRESSURE LOSS GUIDE FOR 1" FILTER BOX

Use the estimated pressure drop graphs to help select the proper fan that will deliver the desired airflow. Enter the graph from the bottom at the specified CFM and move vertically upward to the fan curve for the desired size, then horizontally to the left and read the estimated static pressure drop resulting from these typical accessory packages. Add the accessory pressure loss to the system (or building) design static pressure loss to obtain the total static pressure loss to be used for the proper fan selection.



PRESSURE LOSS GUIDE FOR 2" FILTER BOX

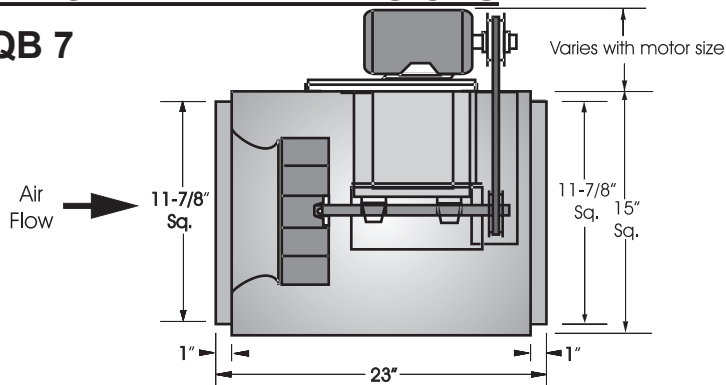
Use the estimated pressure drop graphs to help select the proper fan that will deliver the desired airflow. Enter the graph from the bottom at the specified CFM and move vertically upward to the fan curve for the desired size, then horizontally to the left and read the estimated static pressure drop resulting from these typical accessory packages. Add the accessory pressure loss to the system (or building) design static pressure loss to obtain the total static pressure loss to be used for the proper fan selection.





PERFORMANCE/DIMENSIONS

SQB 7



Outlet Velocity = CFM x 1.02
 Tip Speed = RPM x 2.6835
 Maximum Motor Frame Size = 145T
 Maximum RPM = 2430
 Maximum BHP at a Given RPM = (RPM/3022)³

Unit Specifications
 Housing Metal Thickness = 18 GA.
 Approximate Weight = 75 lbs.

CFM / BHP @ Static Pressure / Sones										Drive Range	RPM	HP	Tip Speed			
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4							
151	98	-	-	-	-	-	-	-	-	DP1	1070	1/4	2871			
.04/4.4	.04/4.4	-	-	-	-	-	-	-	-		1150	1/4	3086			
169	122	-	-	-	-	-	-	-	-		1210	1/4	3247			
.06/5.5	.06/5.4	-	-	-	-	-	-	-	-		1290	1/4	3462			
182	138	86	-	-	-	-	-	-	-		1370	1/4	3676			
.06/6.2	.06/6.1	.06/6.1	-	-	-	-	-	-	-		1450	1/4	3891			
199	159	113	-	-	-	-	-	-	-		1530	1/4	4106			
.08/7.1	.08/7.0	.08/7.0	-	-	-	-	-	-	-		1610	1/4	4320			
216	179	138	89	-	-	-	-	-	-		1690	1/4	4535			
.09/7.9	.09/7.7	.09/7.7	.09/7.7	-	-	-	-	-	-		1730	1/4	4642			
233	199	161	118	-	-	-	-	-	-	DP2	1770	1/4	4750			
.11/8.6	.11/8.5	.11/8.4	.11/8.4	-	-	-	-	-	-		1810	1/4	4857			
249	217	182	144	99	-	-	-	-	-		1850	1/4	4964			
.13/9.4	.13/9.2	.13/9.1	.13/9.1	.12/9.1	-	-	-	-	-		1890	1/4	5072			
265	235	203	167	128	-	-	-	-	-		1930	1/4	5179			
.15/10.2	.15/10.1	.15/9.9	.15/9.9	.15/9.9	-	-	-	-	-		DP3	1970	1/3	5286		
281	253	223	190	154	114	-	-	-	-			2050	1/3	5501		
.18/11.2	.18/11.0	.18/10.8	.18/10.8	.17/10.8	.17/10.8	-	-	-	-			2110	1/3	5662		
289	262	232	201	167	129	-	-	-	-			DP4	2190	1/2	5877	
.19/11.8	.19/11.7	.19/11.4	.19/11.3	.19/11.3	.18/11.3	-	-	-	-				2270	1/2	6091	
297	270	242	211	178	143	-	-	-	-	2350			1/2	6306		
.20/12.4	.20/12.3	.20/12.0	.20/11.9	.20/11.9	.20/11.9	-	-	-	-	DP4			2430	1/2	6521	
304	279	251	222	190	156	-	-	-	-							
.22/13.0	.22/12.9	.22/12.6	.22/12.4	.22/12.4	.21/12.4	-	-	-	-							
312	287	260	232	201	169	-	-	-	-							
.23/13.6	.23/13.5	.23/13.2	.23/12.9	.23/12.9	.23/12.9	-	-	-	-							
320	296	270	242	212	181	105	-	-	-							
.25/14.2	.25/14.2	.25/13.9	.25/13.6	.25/13.5	.24/13.5	.22/13.5	-	-	-							
328	304	279	252	223	193	123	-	-	-							
.26/14.9	.26/14.8	.26/14.5	.26/14.3	.26/14.2	.26/14.2	.24/14.2	-	-	-							
335	312	288	261	234	205	138	-	-	-							
.28/15.5	.28/15.5	.28/15.2	.28/14.9	.28/14.8	.28/14.8	.26/14.8	-	-	-							
351	329	305	281	254	227	167	-	-	-							
.32/16.8	.31/16.7	.31/16.6	.31/16.3	.31/16.1	.31/16.1	.31/16.1	-	-	-							
362	341	319	295	270	243	186	116	-	-							
.34/17.8	.34/17.7	.34/17.6	.34/17.3	.34/17.1	.34/17.0	.34/17.0	.31/17.0	-	-							
377	357	336	313	289	264	211	150	-	-							
.39/19.1	.38/19.0	.38/18.9	.38/18.7	.38/18.5	.38/18.3	.38/18.3	.36/18.3	-	-							
393	373	353	331	309	285	235	179	107	-							
.43/20	.43/20	.42/20	.42/20	.43/19.9	.43/19.7	.43/19.7	.41/19.7	.38/19.7	-							
408	389	370	349	327	305	257	206	145	-							
.48/22	.47/22	.47/22	.47/22	.47/21	.47/21	.47/21	.46/21	.44/21	-							
423	405	386	366	346	324	279	231	176	102							
.53/24	.52/24	.52/24	.52/23	.52/23	.52/23	.52/23	.50/23	.46/23	-							

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



S&P, Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

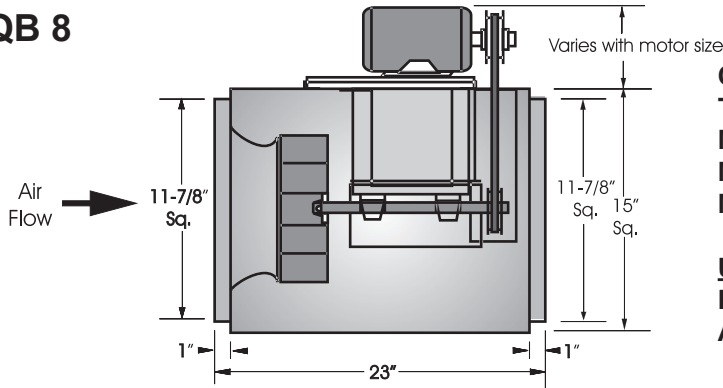




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 8



Outlet Velocity = CFM x 1.02
 Tip Speed = RPM x 2.6835
 Maximum Motor Frame Size = 145T
 Maximum RPM = 2625
 Maximum BHP at a Given RPM = (RPM/2876)³

Unit Specifications
 Housing Metal Thickness = 18 GA.
 Approximate Weight = 75 lbs.

CFM / BHP @ Static Pressure / Sones										Drive Range	RPM	HP	Tip Speed		
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4						
453	347	-	-	-	-	-	-	-	-	DP5	1050	1/4	2818		
.05/5.0	.05/4.8	-	-	-	-	-	-	-	-		1125	1/4	3019		
498	406	-	-	-	-	-	-	-	-		1200	1/4	3220		
.06/5.9	.06/5.8	-	-	-	-	-	-	-	-		1275	1/4	3421		
542	460	336	-	-	-	-	-	-	-		1350	1/4	3623		
.07/7.0	.08/6.8	.07/6.8	-	-	-	-	-	-	-		1425	1/4	3824		
585	510	415	-	-	-	-	-	-	-		1500	1/4	4025		
.09/8.0	.09/7.8	.09/7.8	-	-	-	-	-	-	-		1575	1/4	4226		
627	558	477	331	-	-	-	-	-	-		1650	1/4	4428		
.10/8.7	.11/8.5	.11/8.4	.10/8.6	-	-	-	-	-	-		1725	1/4	4629		
669	604	532	434	-	-	-	-	-	-	DP6	1800	1/4	4830		
.12/9.5	.12/9.4	.13/9.2	.13/9.3	-	-	-	-	-	-		1850	1/3	4964		
711	650	584	503	346	-	-	-	-	-		1900	1/3	5099		
.14/10.2	.14/10.1	.15/10.0	.15/9.9	.14/10.0	-	-	-	-	-		1950	1/3	5233		
753	695	633	563	465	-	-	-	-	-		2025	1/3	5434		
.16/11.1	.16/10.9	.17/10.8	.17/10.7	.17/10.8	-	-	-	-	-		DP7	2075	1/2	5568	
794	738	681	618	539	397	-	-	-	-			2125	1/2	5702	
.18/12.0	.19/11.9	.19/11.7	.20/11.6	.20/11.7	.18/12.0	-	-	-	-			2175	1/2	5836	
835	782	728	669	602	509	-	-	-	-			2275	1/2	6105	
.21/13.1	.21/13.0	.22/12.8	.22/12.7	.23/12.6	.22/12.9	-	-	-	-			2325	1/2	6239	
876	825	774	719	658	584	-	-	-	-	DP8		2475	3/4	6642	
.24/14.3	.24/14.1	.25/13.9	.25/13.8	.26/13.7	.26/13.8	-	-	-	-			2625	3/4	7044	
903	853	804	752	694	627	-	-	-	-						
.26/15.0	.26/14.9	.27/14.7	.27/14.6	.28/14.4	.28/14.4	-	-	-	-						
930	882	833	783	729	667	445	-	-	-						
.28/15.8	.28/15.7	.29/15.5	.30/15.4	.30/15.2	.30/15.1	.28/15.6	-	-	-						
957	910	863	815	763	705	536	-	-	-						
.30/16.6	.31/16.5	.31/16.3	.32/16.2	.32/16.1	.33/15.9	.32/16.3	-	-	-						
998	952	907	861	812	759	623	-	-	-						
.34/17.8	.34/17.7	.35/17.6	.35/17.4	.36/17.3	.36/17.2	.36/17.3	-	-	-						
1024	980	936	891	844	794	671	-	-	-	DP9					
.37/18.7	.37/18.5	.37/18.4	.38/18.3	.39/18.1	.39/18.0	.39/18.0	-	-	-						
1051	1008	965	921	876	828	715	500	-	-						
.39/19.5	.40/19.4	.40/19.3	.41/19.1	.41/19.1	.42/18.9	.42/18.8	.39/19.2	-	-						
1078	1036	993	951	907	861	755	592	-	-						
.42/20	.42/20	.43/20	.44/19.9	.44/19.9	.45/19.8	.45/19.6	.44/20	-	-						
1132	1091	1051	1010	969	926	831	708	-	-						
.48/22	.48/22	.49/22	.50/22	.50/22	.51/22	.52/21	.52/22	-	-						
1158	1118	1079	1039	999	958	868	755	540	-						
.51/24	.52/23	.52/23	.53/23	.53/23	.54/23	.55/23	.55/23	.51/23	-						
1238	1200	1163	1126	1089	1051	971	878	758	-						
.62/27	.62/27	.63/27	.63/27	.64/27	.65/27	.66/26	.67/26	.66/26	-						
1318	1282	1247	1212	1177	1142	1068	988	894	766						
.74/30	.74/30	.75/30	.75/29	.76/29	.77/29	.78/29	.79/29	.80/29	.79/29						

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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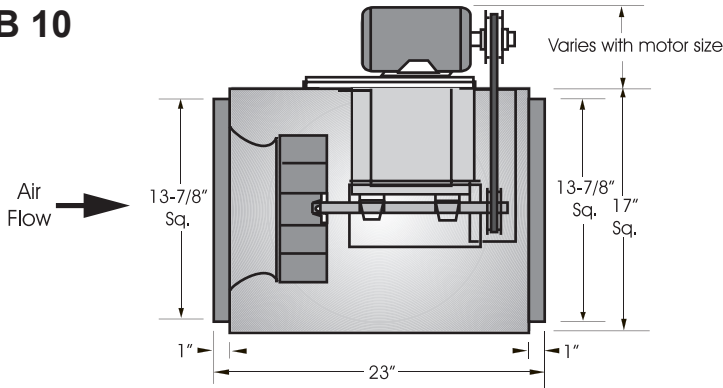




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 10



Outlet Velocity = CFM x 0.74
Tip Speed = RPM x 3.207
Maximum Motor Frame Size = 145T
Maximum RPM = 2400
Maximum BHP at a Given RPM = (RPM/2376)³

Unit Specifications
Housing Metal Thickness = 18 GA.
Approximate Weight = 85 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed		
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2						
798	687	540	-	-	-	-	-	-	-	-	DP 10	1050	1/4	3367		
.09/5.5	.09/5.2	.09/5.1	-	-	-	-	-	-	-	-		1100	1/4	3528		
917	821	712	557	-	-	-	-	-	-	-		1175	1/4	3768		
.12/7.2	.12/6.8	.12/6.6	.12/6.6	-	-	-	-	-	-	-		1250	1/4	4009		
988	897	800	681	436	-	-	-	-	-	-		1300	1/4	4169		
.14/8.3	.15/7.9	.15/7.5	.15/7.5	.12/7.5	-	-	-	-	-	-		1350	1/4	4330		
1035	948	856	750	594	-	-	-	-	-	-		1400	1/4	4490		
.16/8.8	.17/8.4	.17/8.0	.17/8.0	.16/8.0	-	-	-	-	-	-		1450	1/4	4650		
1081	997	911	814	688	-	-	-	-	-	-		1500	1/4	4811		
.18/9.4	.18/8.9	.19/8.6	.19/8.4	.18/8.4	-	-	-	-	-	-		1550	1/3	4971		
1127	1046	964	874	765	593	-	-	-	-	-	DP 11	1600	1/3	5131		
.20/10.0	.21/9.5	.21/9.1	.21/8.9	.21/8.9	.19/8.9	-	-	-	-	-		1650	1/3	5292		
1173	1095	1016	932	834	702	-	-	-	-	-		1700	1/2	5452		
.22/10.5	.23/10.2	.23/9.7	.23/9.4	.23/9.4	.22/9.4	-	-	-	-	-		1775	1/2	5692		
1219	1143	1068	988	898	787	-	-	-	-	-		1850	1/2	5933		
.25/11.1	.25/10.7	.26/10.4	.26/10.0	.26/9.9	.25/9.9	-	-	-	-	-		1900	1/2	6093		
1265	1191	1118	1042	959	861	-	-	-	-	-		DP 12	1950	3/4	6254	
.27/11.7	.28/11.3	.28/10.9	.28/10.6	.29/10.4	.28/10.4	-	-	-	-	-			2025	3/4	6494	
1310	1239	1169	1096	1018	929	634	-	-	-	-			2100	3/4	6735	
.30/12.4	.30/12.0	.31/11.6	.31/11.2	.31/11.0	.31/11.0	.27/10.9	-	-	-	-			2175	3/4	6975	
1356	1286	1216	1148	1074	992	763	-	-	-	-	DP 13		2250	1	7216	
.33/13.1	.33/12.7	.34/12.3	.34/11.9	.34/11.6	.34/11.5	.32/11.5	-	-	-	-			2400	1	7697	
1401	1334	1267	1200	1130	1053	857	-	-	-	-			DP 14			
.36/13.9	.36/13.5	.37/13.1	.37/12.7	.38/12.4	.38/12.3	.36/12.1	-	-	-	-						
1469	1404	1340	1276	1210	1140	973	654	-	-	-						
.41/14.9	.41/14.6	.42/14.3	.42/13.9	.43/13.6	.43/13.3	.42/13.3	.36/13.2	-	-	-						
1536	1474	1413	1352	1289	1224	1076	864	-	-	-						
.46/16.2	.47/15.8	.47/15.5	.48/15.1	.48/14.8	.48/14.5	.48/14.4	.46/14.3	-	-	-						
1581	1520	1461	1401	1341	1278	1139	957	-	-	-						
.50/17.0	.50/16.7	.51/16.3	.51/16.0	.52/15.7	.52/15.3	.53/15.1	.51/15.1	-	-	-						
1626	1566	1508	1451	1392	1332	1200	1037	741	-	-						
.54/17.9	.54/17.5	.55/17.2	.56/16.9	.56/16.5	.57/16.2	.57/15.9	.56/15.9	.49/15.9	-	-						
1693	1636	1579	1524	1468	1411	1288	1145	943	-	-						
.60/19.2	.61/18.8	.61/18.5	.62/18.2	.63/17.9	.63/17.6	.64/17.1	.63/17.1	.60/17.1	-	-						
1760	1704	1650	1597	1543	1488	1373	1243	1079	773	-						
.67/21	.68/20	.68/19.9	.69/19.6	.70/19.3	.70/19.0	.71/18.4	.71/18.3	.69/18.2	.60/18.3	-						
1827	1773	1720	1669	1617	1564	1456	1336	1194	993	-						
.75/22	.75/22	.76/21	.76/21	.77/21	.78/20	.79/19.8	.79/19.5	.78/19.5	.74/19.4	-						
1894	1841	1790	1740	1690	1640	1536	1424	1297	1135	849						
.83/24	.83/23	.84/23	.84/23	.85/22	.86/22	.87/21	.87/21	.87/21	.85/21	.74/21						
2027	1977	1929	1882	1835	1788	1693	1593	1484	1360	1205						
1.00/27	1.01/27	1.01/26	1.02/26	1.03/26	1.03/25	1.05/25	1.06/24	1.06/24	1.06/24	1.03/24						

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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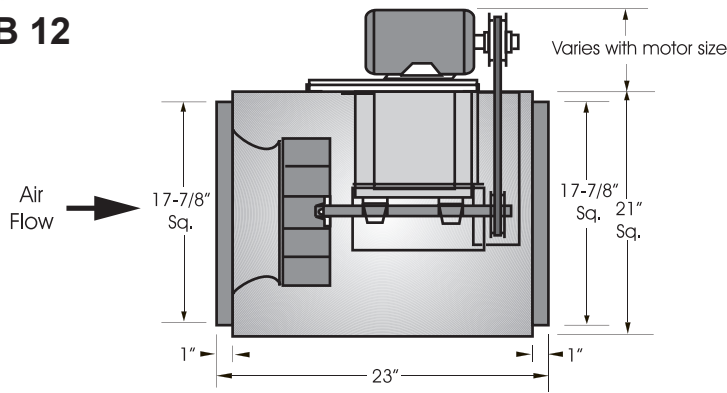




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 12



Outlet Velocity = CFM x 0.45
Tip Speed = RPM x 3.534
Maximum Motor Frame Size = 145T
Maximum RPM = 2125
Maximum BHP at a Given RPM = (RPM/1821)³

Unit Specifications
Housing Metal Thickness = 18 GA.
Approximate Weight = 95 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed								
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2												
1293	1098	769	-	-	-	-	-	-	-	-	DP 15	900	1/4	3181								
.12/5.9	.12/5.6	.11/5.4	-	-	-	-	-	-	-	-		DP 16	1000	1/4	3534							
1474	1309	1102	-	-	-	-	-	-	-	-			DP 17	1025	1/4	3623						
.16/7.3	.16/7.0	.16/6.8	-	-	-	-	-	-	-	-				DP 18	1075	1/4	3799					
1518	1359	1165	806	-	-	-	-	-	-	-					DP 19	1120	1/4	3958				
.17/7.6	.18/7.4	.18/7.1	.15/6.9	-	-	-	-	-	-	-						DP 20	1170	1/4	4135			
1607	1458	1284	1036	-	-	-	-	-	-	-							DP 18	1225	1/3	4330		
.20/8.4	.20/8.1	.21/7.9	.20/7.7	-	-	-	-	-	-	-								DP 17	1275	1/3	4506	
1686	1544	1384	1177	-	-	-	-	-	-	-									DP 16	1325	1/2	4683
.22/9.1	.23/8.9	.23/8.6	.23/8.4	-	-	-	-	-	-	-										DP 15	1400	1/2
1773	1639	1491	1312	1032	-	-	-	-	-	-	DP 19	1475	1/2	5213								
.25/10.0	.26/9.7	.26/9.4	.26/9.3	.24/9.1	-	-	-	-	-	-		DP 18	1525	3/4	5390							
1868	1741	1604	1445	1235	-	-	-	-	-	-			DP 17	1575	3/4	5567						
.29/11.0	.30/10.8	.30/10.5	.30/10.3	.30/10.1	-	-	-	-	-	-				DP 16	1625	3/4	5743					
1954	1833	1704	1558	1380	1099	-	-	-	-	-					DP 15	1675	3/4	5920				
.33/12.0	.33/11.8	.34/11.5	.34/11.3	.34/11.1	.31/10.9	-	-	-	-	-						DP 14	1700	1	6008			
2040	1924	1801	1667	1509	1297	-	-	-	-	-							DP 13	1750	1	6185		
.37/13.1	.37/12.8	.38/12.5	.39/12.3	.38/12.1	.37/11.9	-	-	-	-	-								DP 12	1800	1	6362	
2168	2059	1945	1822	1685	1520	-	-	-	-	-									DP 11	1850	1	6538
.43/14.6	.44/14.3	.45/14.1	.45/13.8	.45/13.7	.45/13.5	-	-	-	-	-										DP 10	1900	1-1/2
2296	2192	2085	1973	1850	1710	1282	-	-	-	-	DP 19	1920	1-1/2	6715								
.51/15.8	.51/15.5	.52/15.3	.53/15.1	.53/14.9	.53/14.7	.48/14.5	-	-	-	-		DP 18	1970	1-1/2	6715							
2380	2280	2178	2070	1955	1827	1481	-	-	-	-			DP 17	2000	1-1/2	7069						
.56/16.6	.57/16.3	.57/16.1	.58/15.9	.59/15.7	.59/15.6	.56/15.3	-	-	-	-				DP 16	2050	1-1/2	7069					
2465	2368	2269	2167	2057	1938	1639	-	-	-	-					DP 15	2100	1-1/2	7069				
.62/17.3	.62/17.1	.63/16.9	.64/16.7	.64/16.5	.65/16.4	.63/16.1	-	-	-	-						DP 14	2150	1-1/2	7069			
2549	2456	2360	2262	2158	2046	1778	1303	-	-	-							DP 13	2200	1-1/2	7069		
.68/18.2	.68/18.0	.69/17.8	.70/17.6	.71/17.4	.71/17.2	.70/17.0	.62/16.7	-	-	-								DP 12	2250	1-1/2	7069	
2633	2543	2450	2356	2256	2151	1906	1545	-	-	-									DP 11	2300	1-1/2	7069
.74/19.0	.75/18.8	.76/18.6	.76/18.4	.77/18.2	.78/18.0	.78/17.8	.73/17.6	-	-	-										DP 10	2350	1-1/2
2675	2586	2495	2402	2305	2202	1967	1638	-	-	-	DP 19	2400	1-1/2	7069								
.77/19.4	.78/19.2	.79/19.0	.80/18.6	.80/18.6	.81/18.5	.81/18.2	.78/18.0	-	-	-		DP 18	2450	1-1/2	7069							
2759	2672	2585	2495	2402	2304	2084	1800	1111	-	-			DP 17	2500	1-1/2	7069						
.84/21	.85/20	.86/20	.87/19.9	.88/19.6	.88/19.4	.89/19.1	.87/18.9	.66/18.7	-	-				DP 16	2550	1-1/2	7069					
2843	2758	2673	2586	2497	2403	2197	1943	1539	-	-					DP 15	2600	1-1/2	7069				
.92/22	.93/21	.93/21	.94/21	.95/21	.96/21	.97/20	.95/19.7	.87/19.5	-	-						DP 14	2650	1-1/2	7069			
2926	2844	2762	2678	2591	2501	2306	2074	1751	-	-							DP 13	2700	1-1/2	7069		
1.00/23	1.00/22	1.01/22	1.02/22	1.03/22	1.04/22	1.05/21	1.04/21	.99/20	-	-								DP 12	2750	1-1/2	7069	
3010	2930	2850	2768	2684	2598	2412	2197	1920	1356	-									DP 11	2800	1-1/2	7069
1.08/24	1.09/24	1.09/23	1.10/23	1.11/23	1.12/23	1.13/22	1.13/22	1.10/22	.91/21	-										DP 10	2850	1-1/2
3176	3101	3024	2947	2869	2788	2618	2428	2203	1897	-	DP 19	2900	1-1/2	7069								
1.26/26	1.27/26	1.27/26	1.28/26	1.29/25	1.30/25	1.32/25	1.33/24	1.32/24	1.26/24	-		DP 18	2950	1-1/2	7069							
3384	3313	3241	3169	3096	3022	2866	2699	2510	2286	1979			DP 17	3000	1-1/2	7069						
1.51/29	1.52/29	1.52/29	1.53/29	1.54/29	1.55/28	1.57/28	1.59/28	1.57/27	1.50/26	-				DP 16	3050	1-1/2	7069					
															DP 15	3100	1-1/2	7069				
																DP 14	3150	1-1/2	7069			
																	DP 13	3200	1-1/2	7069		
																		DP 12	3250	1-1/2	7069	
																			DP 11	3300	1-1/2	7069

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

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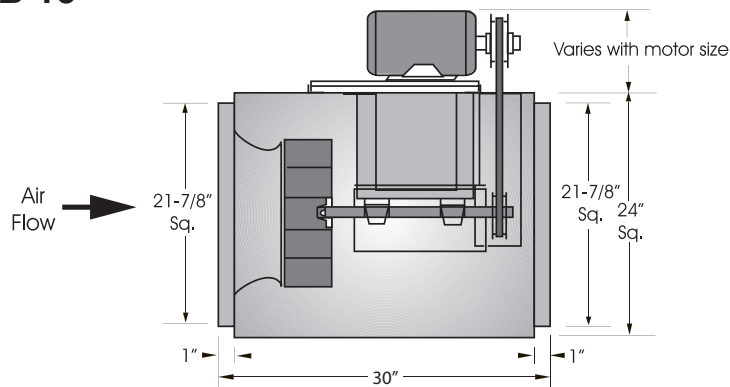


MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 15



- Outlet Velocity = CFM x 0.30
- Tip Speed = RPM x 4.058
- Maximum Motor Frame Size = 184T
- Maximum RPM = 1910
- Maximum BHP at a Given RPM = (RPM/1492)³

Unit Specifications

- Housing Metal Thickness = 18 GA.
- Approximate Weight = 140 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed	
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4					
1611	1408	1135	-	-	-	-	-	-	-	-	-	-	DP 21	770	1/4	3126
.13/6.4	.14/5.8	.14/5.0	-	-	-	-	-	-	-	-	-	-		825	1/4	3348
1753	1567	1349	-	-	-	-	-	-	-	-	-	-		880	1/4	3571
.16/7.3	.16/6.8	.17/6.1	-	-	-	-	-	-	-	-	-	-	DP 22	950	1/4	3855
1894	1721	1531	1269	-	-	-	-	-	-	-	-	-		990	1/3	4017
.19/8.3	.20/7.7	.20/7.1	.20/6.3	-	-	-	-	-	-	-	-	-		1060	1/3	4301
.23/9.6	.24/9.0	.25/8.4	.26/7.7	.24/7.0	-	-	-	-	-	-	-	-	DP 23	1105	1/2	4484
2172	2018	1861	1684	1447	-	-	-	-	-	-	-	-		1160	1/2	4707
.26/10.3	.27/9.7	.29/9.2	.29/8.6	.29/7.8	-	-	-	-	-	-	-	-		DP 24	1205	1/2
2347	2203	2058	1904	1723	1464	-	-	-	-	-	-	-	1260		3/4	5113
.32/11.7	.33/11.1	.35/10.6	.36/10.2	.36/9.4	.35/8.7	-	-	-	-	-	-	-	DP 25		1335	3/4
2459	2320	2182	2038	1877	1674	-	-	-	-	-	-	-		1375	3/4	5580
.36/12.6	.38/12.1	.39/11.6	.40/11.1	.41/10.5	.40/9.7	-	-	-	-	-	-	-		DP 26	1445	1
2595	2462	2331	2197	2052	1884	-	-	-	-	-	-	-	1530		1	6209
.42/13.7	.43/13.3	.45/12.9	.46/12.4	.47/12.0	.47/11.1	-	-	-	-	-	-	-	DP 27		1560	1-1/2
2707	2577	2452	2324	2189	2038	1576	-	-	-	-	-	-		1625	1-1/2	6594
.47/14.9	.48/14.3	.50/13.9	.51/13.5	.52/13.1	.53/12.4	.49/10.8	-	-	-	-	-	-		1675	1-1/2	6797
2842	2718	2597	2476	2350	2214	1865	-	-	-	-	-	-	DP 27	1735	1-1/2	7040
.54/16.0	.55/15.6	.56/15.1	.58/14.6	.59/14.2	.60/13.7	.59/12.2	-	-	-	-	-	-		1745	2	7081
3026	2908	2794	2680	2564	2442	2159	1668	-	-	-	-	-		1785	2	7243
.64/17.7	.65/17.2	.66/16.7	.68/16.3	.69/15.9	.71/15.4	.72/14.1	.66/12.7	-	-	-	-	-	DP 27	1840	2	7467
3124	3009	2897	2787	2675	2559	2298	1925	-	-	-	-	-		1910	2	7751
.70/18.5	.71/18.1	.72/17.6	.74/17.2	.75/16.8	.77/16.4	.78/15.1	.76/13.8	-	-	-	-	-				
3295	3184	3078	2973	2868	2760	2526	2236	1585	-	-	-	-				
.81/20	.82/19.6	.83/19.2	.85/18.8	.87/18.4	.88/18.0	.90/17.1	.91/15.6	.76/14.3	-	-	-	-				
3502	3396	3295	3196	3097	2996	2786	2545	2225	-	-	-	-				
.96/22	.97/22	.98/21	1.00/21	1.02/20	1.03/19.9	1.06/19.2	1.08/18.0	1.06/16.7	-	-	-	-				
3575	3471	3371	3274	3177	3079	2874	2645	2356	1672	-	-	-				
1.01/23	1.03/22	1.04/22	1.06/21	1.08/21	1.09/21	1.12/19.9	1.14/18.8	1.13/17.5	.93/16.2	-	-	-				
3732	3632	3536	3442	3349	3255	3063	2853	2608	2268	-	-	-				
1.14/24	1.16/24	1.17/24	1.19/23	1.21/23	1.23/22	1.26/21	1.29/21	1.29/19.3	1.25/18.1	-	-	-				
3854	3756	3662	3570	3480	3390	3205	3007	2784	2503	1963	-	-				
1.25/26	1.27/25	1.28/25	1.30/24	1.32/24	1.34/24	1.37/23	1.40/22	1.42/21	1.40/19.5	1.24/18.4	-	-				
3999	3904	3813	3724	3636	3549	3372	3187	2983	2742	2413	-	-				
1.39/27	1.40/27	1.42/26	1.44/26	1.46/25	1.48/25	1.51/24	1.55/24	1.57/22	1.57/21	1.52/20	-	-				
4023	3928	3838	3749	3662	3576	3400	3216	3015	2780	2465	-	-				
1.42/27	1.43/27	1.44/26	1.46/26	1.48/26	1.50/25	1.54/25	1.57/24	1.60/23	1.60/22	1.56/20	-	-				
4119	4027	3938	3851	3766	3681	3510	3333	3141	2923	2651	2181	-				
1.52/28	1.53/28	1.54/28	1.56/27	1.58/27	1.60/26	1.64/26	1.68/25	1.70/24	1.71/23	1.69/22	1.54/20	-				
4252	4162	4075	3991	3908	3826	3660	3490	3310	3110	2876	2558	-				
1.66/30	1.67/29	1.69/29	1.71/29	1.73/28	1.75/28	1.79/27	1.82/26	1.86/26	1.88/24	1.87/23	1.81/22	-				
4421	4333	4249	4168	4087	4008	3849	3688	3518	3336	3131	2884	-				
1.85/32	1.87/31	1.88/31	1.90/31	1.92/30	1.94/30	1.98/29	2.03/28	2.06/27	2.09/27	2.10/25	2.08/24	-				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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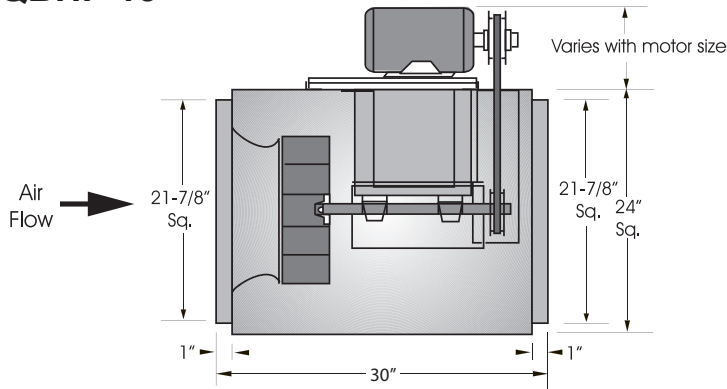




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQBHP 15



Outlet Velocity = CFM x 0.30
Tip Speed = RPM x 4.058
Maximum Motor Frame Size = 184T
Maximum RPM = 2130
Maximum BHP at a Given RPM = (RPM/1708)³

Unit Specifications
Housing Metal Thickness = 18 GA.
Approximate Weight = 140 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3	3-1/4	3-1/2				
1313	741	-	-	-	-	-	-	-	-	-	-	DP 28	1140	1/3	4626
.31/12.6	.26/11.8	-	-	-	-	-	-	-	-	-	-		DP 29	1180	1/3
1432	1002	-	-	-	-	-	-	-	-	-	-	DP 29		1340	1/2
.35/13.8	.32/13.1	-	-	-	-	-	-	-	-	-	-		DP 30	1365	1/2
1850	1588	1220	-	-	-	-	-	-	-	-	-	DP 30		1390	3/4
.51/18.2	.51/17.5	.48/16.8	-	-	-	-	-	-	-	-	-		DP 31	1440	3/4
1910	1660	1326	-	-	-	-	-	-	-	-	-	DP 31		1490	3/4
.53/18.8	.54/18.0	.52/17.4	-	-	-	-	-	-	-	-	-		DP 31	1540	3/4
1969	1731	1422	847	-	-	-	-	-	-	-	-	DP 32		1590	1
.56/19.4	.57/18.6	.55/17.9	.46/17.4	-	-	-	-	-	-	-	-		DP 32	1640	1
2086	1865	1595	1200	-	-	-	-	-	-	-	-	DP 32		1690	1
.62/21	.63/19.8	.62/19.1	.58/18.4	-	-	-	-	-	-	-	-		DP 32	1715	1
2200	1994	1751	1431	-	-	-	-	-	-	-	-	DP 32		1740	1-1/2
.69/22	.70/21	.70/20	.67/19.6	-	-	-	-	-	-	-	-		DP 33	1790	1-1/2
2312	2118	1896	1621	1210	-	-	-	-	-	-	-	DP 33		1840	1-1/2
.75/24	.77/23	.77/21	.76/21	.69/20	-	-	-	-	-	-	-		DP 33	1890	1-1/2
2421	2239	2033	1788	1464	-	-	-	-	-	-	-	DP 33		1940	1-1/2
.83/26	.84/24	.85/23	.84/22	.80/21	-	-	-	-	-	-	-		DP 33	1990	2
2530	2356	2163	1941	1666	1255	-	-	-	-	-	-	DP 33		2040	2
.90/27	.92/26	.93/25	.93/23	.90/23	.82/22	-	-	-	-	-	-		DP 33	2090	2
2637	2471	2290	2085	1842	1521	-	-	-	-	-	-	DP 33		2110	2
.98/29	1.00/28	1.02/27	1.02/25	1.01/24	.95/23	-	-	-	-	-	-		DP 33	2130	2
2690	2528	2352	2154	1924	1630	1155	-	-	-	-	-	DP 33			
1.02/30	1.05/29	1.06/28	1.07/26	1.06/25	1.02/24	.89/23	-	-	-	-	-				
2742	2584	2412	2222	2002	1730	1334	-	-	-	-	-				
1.06/30	1.09/31	1.11/29	1.12/27	1.11/26	1.07/24	.98/24	-	-	-	-	-				
2847	2695	2532	2353	2151	1912	1601	1044	-	-	-	-				
1.15/32	1.18/32	1.20/31	1.21/29	1.21/27	1.19/26	1.13/25	.95/25	-	-	-	-				
2951	2805	2649	2480	2293	2077	1814	1443	-	-	-	-				
1.25/33	1.28/34	1.30/32	1.32/31	1.32/31	1.31/28	1.27/27	1.17/26	-	-	-	-				
3054	2913	2764	2604	2428	2231	1999	1702	1225	-	-	-				
1.35/35	1.38/35	1.40/34	1.42/33	1.43/31	1.42/30	1.40/28	1.34/28	1.18/27	-	-	-				
3156	3020	2877	2724	2559	2376	2166	1914	1572	-	-	-				
1.45/36	1.48/36	1.51/36	1.53/35	1.54/33	1.54/31	1.53/30	1.49/29	1.39/29	-	-	-				
3258	3126	2988	2842	2685	2514	2322	2099	1821	1410	-	-				
1.56/38	1.60/38	1.63/38	1.65/37	1.66/35	1.67/33	1.66/32	1.63/31	1.57/30	1.42/30	-	-				
3359	3231	3098	2958	2809	2647	2469	2267	2028	1716	1179	-				
1.67/39	1.71/39	1.74/40	1.77/39	1.79/37	1.80/35	1.79/34	1.77/33	1.73/32	1.64/32	1.40/31	-				
3459	3336	3207	3072	2929	2776	2610	2424	2211	1952	1596	-				
1.79/41	1.83/41	1.87/41	1.90/41	1.92/39	1.93/38	1.93/36	1.92/35	1.89/34	1.83/34	1.70/33	-				
3499	3377	3250	3117	2977	2827	2664	2485	2280	2036	1715	1131				
1.84/42	1.88/42	1.92/42	1.95/42	1.97/40	1.98/38	1.99/37	1.98/36	1.95/35	1.90/34	1.79/34	1.50/33				
3539	3418	3293	3162	3024	2877	2718	2544	2347	2115	1821	1361				
1.89/43	1.93/42	1.97/43	2.00/43	2.03/41	2.04/39	2.05/38	2.04/37	2.02/36	1.97/35	1.88/34	1.67/34				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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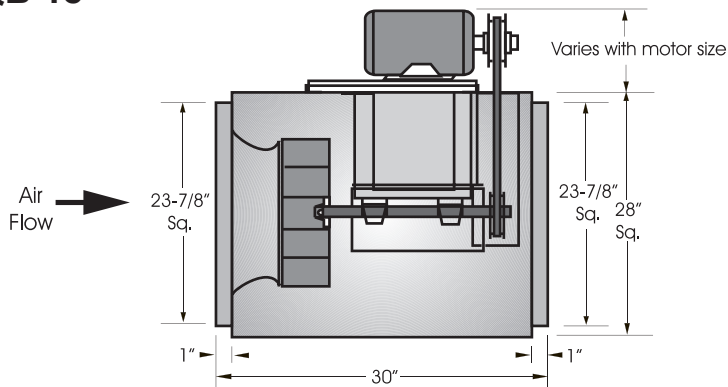




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 18



Outlet Velocity = CFM x 0.25
Tip Speed = RPM x 4.843
Maximum Motor Frame Size = 184T
Maximum RPM = 1640
Maximum BHP at a Given RPM = (RPM/1122)³

Unit Specifications
Housing Metal Thickness = 18 GA.
Approximate Weight = 190 lbs.

CFM / BHP @ Static Pressure / Sones										Drive Range	RPM	HP	Tip Speed			
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4					2	2-1/4	
2395	2155	1888	1443	-	-	-	-	-	-	-	-	-	DP 34	700	1/3	3390
.22/6.7	.23/6.2	.24/6.0	.23/5.9	-	-	-	-	-	-	-	-	-				
2600	2376	2141	1845	-	-	-	-	-	-	-	-	-				
.27/7.6	.28/7.2	.30/6.9	.30/6.7	-	-	-	-	-	-	-	-	-	DP 35	750	1/3	3632
2803	2592	2378	2135	1786	-	-	-	-	-	-	-	-				
.32/8.6	.34/8.2	.35/7.8	.36/7.6	.35/7.4	-	-	-	-	-	-	-	-				
3005	2805	2607	2393	2135	1662	-	-	-	-	-	-	-	DP 36	800	1/3	3875
.38/9.6	.40/9.2	.42/8.9	.43/8.5	.43/8.3	.39/8.1	-	-	-	-	-	-	-				
3206	3014	2829	2635	2417	2137	-	-	-	-	-	-	-				
.45/10.8	.47/10.3	.49/9.9	.51/9.6	.52/9.3	.51/9.0	-	-	-	-	-	-	-	DP 37	850	1/2	4117
3306	3119	2938	2752	2548	2301	-	-	-	-	-	-	-				
.49/11.3	.51/10.9	.53/10.6	.55/10.2	.56/9.8	.56/9.6	-	-	-	-	-	-	-				
3505	3326	3154	2981	2797	2589	1754	-	-	-	-	-	-	DP 38	900	1/2	4359
.57/12.5	.59/12.1	.61/11.7	.63/11.3	.65/11.0	.66/10.7	.56/10.2	-	-	-	-	-	-				
3704	3531	3367	3204	3034	2851	2364	-	-	-	-	-	-				
.66/13.7	.68/13.4	.71/13.0	.73/12.6	.75/12.3	.76/11.9	.75/11.3	-	-	-	-	-	-	DP 39	925	1/2	4480
3803	3633	3473	3314	3150	2976	2541	-	-	-	-	-	-				
.71/14.4	.73/14.0	.76/13.6	.78/13.3	.80/12.9	.81/12.5	.81/11.9	-	-	-	-	-	-				
4000	3837	3682	3531	3377	3217	2846	2189	-	-	-	-	-	DP 40	975	3/4	4722
.81/15.7	.84/15.3	.86/14.9	.89/14.6	.91/14.2	.93/13.9	.94/13.2	.86/12.5	-	-	-	-	-				
4099	3938	3787	3638	3489	3334	2985	2469	-	-	-	-	-				
.87/16.3	.89/15.9	.92/15.6	.94/15.2	.97/14.9	.99/14.5	1.01/13.8	.97/13.2	-	-	-	-	-	DP 40	1025	3/4	4964
4198	4039	3890	3745	3600	3450	3119	2673	-	-	-	-	-				
.92/17.0	.95/16.6	.98/16.3	1.00/15.9	1.03/15.6	1.05/15.2	1.07/14.5	1.06/13.9	-	-	-	-	-				
4394	4241	4097	3957	3818	3677	3374	3006	2313	-	-	-	-	DP 40	1050	1	5085
1.05/18.5	1.07/18.1	1.10/17.7	1.13/17.4	1.16/17.0	1.18/16.7	1.21/15.9	1.22/15.2	1.10/14.6	-	-	-	-				
4591	4442	4303	4168	4034	3900	3618	3295	2853	-	-	-	-				
1.18/19.7	1.21/19.4	1.24/19.0	1.27/18.7	1.30/18.3	1.32/18.0	1.36/17.3	1.38/16.6	1.35/15.9	-	-	-	-	DP 40	1100	1	5328
4786	4642	4507	4376	4248	4120	3854	3562	3202	2566	-	-	-				
1.33/21	1.36/21	1.39/20	1.42/20	1.45/19.7	1.47/19.4	1.52/18.7	1.55/18.0	1.55/17.3	1.42/16.7	-	-	-				
4884	4742	4609	4480	4354	4228	3970	3689	3356	2865	-	-	-	DP 40	1125	1	5449
1.40/22	1.43/21	1.46/21	1.50/21	1.52/20	1.55/20	1.60/19.4	1.64/18.7	1.64/18.1	1.57/17.4	-	-	-				
5080	4941	4812	4687	4565	4444	4198	3937	3641	3265	-	-	-				
1.57/23	1.60/23	1.63/22	1.66/22	1.69/22	1.72/21	1.78/21	1.82/20	1.84/19.5	1.82/18.9	-	-	-	DP 40	1150	1	5570
5275	5140	5014	4893	4774	4657	4422	4176	3906	3588	3141	-	-				
1.74/24	1.77/24	1.81/24	1.84/23	1.87/23	1.90/23	1.96/22	2.01/22	2.04/21	2.04/20	1.97/19.7	-	-				
5469	5339	5216	5098	4983	4869	4643	4409	4159	3877	3526	2924	-	DP 40	1200	1-1/2	5812
1.93/26	1.96/25	2.00/25	2.03/25	2.06/25	2.10/24	2.16/24	2.21/23	2.25/22	2.27/22	2.25/21	2.07/21	-				
5664	5536	5416	5301	5190	5079	4861	4638	4403	4146	3845	3447	-				
2.13/27	2.16/27	2.20/27	2.23/26	2.27/26	2.30/26	2.37/25	2.43/25	2.48/24	2.51/23	2.51/23	2.44/22	-	DP 40	1250	1-1/2	6054
5955	5833	5717	5606	5498	5393	5184	4974	4757	4526	4271	3972	-				
2.45/29	2.49/29	2.53/29	2.56/28	2.60/28	2.64/28	2.71/27	2.78/27	2.83/26	2.87/26	2.90/25	2.89/24	-				
6111	5990	5877	5786	5662	5559	5355	5151	4941	4721	4482	4212	-	DP 40	1300	1-1/2	6296
2.64/30	2.68/30	2.72/30	2.75/30	2.79/29	2.83/29	2.90/29	2.97/28	3.03/28	3.08/27	3.11/26	3.12/26	-				
6400	6275	6157	6043	5931	5820	5603	5386	5163	4934	4694	4442	-				
2.91/31	2.95/31	2.99/31	3.03/30	3.07/30	3.11/29	3.18/29	3.25/28	3.31/28	3.36/27	3.39/27	3.31/26	-				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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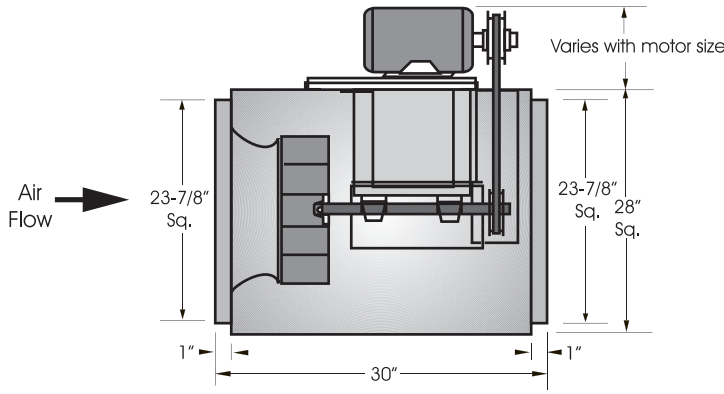




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQBHP 18



Outlet Velocity = CFM x 0.25
Tip Speed = RPM x 4.843
Maximum Motor Frame Size = 184T
Maximum RPM = 1800
Maximum BHP at a Given RPM = (RPM/1251)³

Unit Specifications
Housing Metal Thickness = 18 GA.
Approximate Weight = 190 lbs.

CFM / BHP @ Static Pressure / Sones										Drive Range	RPM	HP	Tip Speed	
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3					3-1/4
2119	-	-	-	-	-	-	-	-	-	-	DP 41	980	1/2	4746
.50/9.5	-	-	-	-	-	-	-	-	-	-				
2209	1559	-	-	-	-	-	-	-	-	-	DP 42	1000	1/2	4843
.53/9.9	.47/9.0	-	-	-	-	-	-	-	-	-				
2318	1845	-	-	-	-	-	-	-	-	-	DP 43	1025	3/4	4964
.57/10.6	.55/9.6	-	-	-	-	-	-	-	-	-				
2525	2165	-	-	-	-	-	-	-	-	-	DP 44	1075	3/4	5207
.65/11.9	.66/10.8	-	-	-	-	-	-	-	-	-				
2721	2416	1857	-	-	-	-	-	-	-	-	DP 45	1125	3/4	5449
.74/13.3	.76/12.2	.69/11.2	-	-	-	-	-	-	-	-				
2817	2530	2095	-	-	-	-	-	-	-	-	DP 46	1150	1	5570
.78/14.0	.81/12.9	.78/11.9	-	-	-	-	-	-	-	-				
3004	2746	2410	-	-	-	-	-	-	-	-	DP 46	1200	1	5812
.88/15.5	.91/14.3	.91/13.3	-	-	-	-	-	-	-	-				
3187	2950	2664	2216	-	-	-	-	-	-	-	DP 46	1250	1	6054
.98/17.0	1.02/15.8	1.04/14.7	.99/13.8	-	-	-	-	-	-	-				
3277	3049	2780	2403	-	-	-	-	-	-	-	DP 46	1275	1	6175
1.03/17.6	1.08/16.5	1.10/15.4	1.07/14.4	-	-	-	-	-	-	-				
3456	3242	3000	2696	2105	-	-	-	-	-	-	DP 46	1325	1-1/2	6417
1.15/18.8	1.20/17.8	1.23/16.7	1.23/15.7	1.10/14.8	-	-	-	-	-	-				
3632	3429	3207	2945	2581	-	-	-	-	-	-	DP 46	1375	1-1/2	6660
1.27/20	1.32/19.1	1.36/18.0	1.38/17.1	1.35/16.1	-	-	-	-	-	-				
3806	3613	3407	3172	2879	2374	-	-	-	-	-	DP 46	1425	1-1/2	6902
1.40/21	1.46/20	1.51/19.5	1.53/18.5	1.53/17.6	1.41/16.7	-	-	-	-	-				
3978	3794	3600	3385	3133	2793	-	-	-	-	-	DP 46	1475	2	7144
1.54/23	1.60/22	1.65/21	1.69/20	1.70/19.1	1.67/18.2	-	-	-	-	-				
4149	3973	3788	3589	3364	3087	2661	-	-	-	-	DP 46	1525	2	7386
1.68/24	1.75/23	1.81/22	1.86/21	1.88/21	1.87/19.7	1.78/18.8	-	-	-	-				
4234	4061	3881	3688	3473	3217	2863	-	-	-	-	DP 46	1550	2	7507
1.76/25	1.83/24	1.89/23	1.94/22	1.97/21	1.98/20	1.92/19.6	-	-	-	-				
4318	4149	3973	3786	3580	3340	3029	-	-	-	-	DP 46	1575	2	7628
1.84/25	1.91/25	1.98/24	2.03/23	2.06/22	2.08/21	2.04/20	-	-	-	-				
4403	4236	4065	3883	3685	3458	3178	2731	-	-	-	DP 46	1600	3	7749
1.92/26	2.00/25	2.06/25	2.12/24	2.16/23	2.18/22	2.16/21	2.03/20	-	-	-				
4570	4410	4245	4073	3888	3683	3442	3128	-	-	-	DP 46	1650	3	7991
2.09/28	2.17/27	2.24/26	2.30/25	2.35/24	2.38/23	2.38/23	2.33/22	-	-	-				
4738	4582	4424	4259	4085	3896	3682	3424	3062	-	-	DP 46	1700	3	8234
2.27/29	2.35/28	2.43/28	2.50/27	2.55/26	2.59/25	2.61/24	2.59/23	2.50/23	-	-				
4904	4753	4600	4443	4278	4100	3906	3682	3403	2963	-	DP 46	1750	3	8476
2.46/30	2.55/30	2.63/29	2.70/28	2.76/28	2.81/27	2.84/26	2.85/25	2.81/24	2.64/24	-				
4987	4838	4688	4534	4372	4201	4013	3802	3547	3194	-	DP 46	1775	3	8597
2.56/31	2.65/30	2.73/30	2.81/29	2.87/28	2.92/28	2.96/27	2.97/26	2.95/25	2.84/24	-				
5069	4923	4775	4624	4466	4299	4119	3918	3682	3377	2739	DP 46	1800	3	8718
2.66/32	2.75/31	2.84/31	2.91/30	2.98/29	3.04/28	3.08/27	3.10/27	3.09/26	3.02/25	2.68/24				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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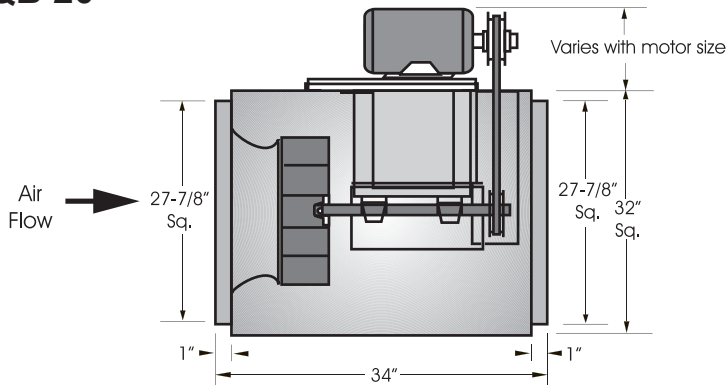


MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 20



Outlet Velocity = CFM x 0.18
Tip Speed = RPM x 5.629
Maximum Motor Frame Size = 184T
Maximum RPM = 1275
Maximum BHP at a Given RPM = (RPM/870)³

Unit Specifications

Housing Metal Thickness = 18 GA.
Approximate Weight = 220 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed	
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4					
3297	2923	2428	-	-	-	-	-	-	-	-	-	-	DP 47	575	1/3	3236
.27/7.1	.29/6.9	.29/5.5	-	-	-	-	-	-	-	-	-	-				
3470	3118	2683	-	-	-	-	-	-	-	-	-	-	DP 48	600	1/3	3377
.30/7.7	.32/7.7	.33/6.3	-	-	-	-	-	-	-	-	-	-				
3539	3195	2778	2028	-	-	-	-	-	-	-	-	-	DP 49	610	1/3	3433
.32/8.0	.34/8.0	.35/6.7	.31/5.6	-	-	-	-	-	-	-	-	-				
3813	3496	3134	2646	-	-	-	-	-	-	-	-	-	DP 50	650	1/2	3659
.38/8.9	.40/8.9	.42/8.1	.41/6.7	-	-	-	-	-	-	-	-	-				
3982	3681	3344	2920	2054	-	-	-	-	-	-	-	-	DP 51	675	1/2	3799
.43/9.4	.45/9.4	.47/8.8	.47/7.5	.39/6.6	-	-	-	-	-	-	-	-				
4151	3862	3546	3167	2603	-	-	-	-	-	-	-	-	DP 52	700	1/2	3940
.47/10.0	.50/9.9	.52/9.6	.52/8.3	.50/7.3	-	-	-	-	-	-	-	-				
4486	4220	3935	3615	3217	2551	-	-	-	-	-	-	-	DP 53	750	3/4	4222
.58/11.2	.60/11.0	.63/10.8	.64/9.9	.64/8.8	.58/8.0	-	-	-	-	-	-	-				
4653	4396	4125	3824	3468	2971	-	-	-	-	-	-	-	DP 54	775	3/4	4362
.63/11.9	.66/11.5	.69/11.4	.71/10.7	.71/9.6	.68/8.8	-	-	-	-	-	-	-				
4819	4571	4311	4028	3702	3286	-	-	-	-	-	-	-	DP 55	800	3/4	4503
.69/12.6	.73/12.3	.75/12.0	.77/11.6	.78/10.5	.77/9.6	-	-	-	-	-	-	-				
5051	4814	4568	4305	4011	3661	-	-	-	-	-	-	-	DP 56	835	1	4700
.79/13.6	.82/13.4	.85/13.1	.87/12.9	.89/11.9	.89/10.9	-	-	-	-	-	-	-				
5216	4987	4750	4498	4222	3904	2801	-	-	-	-	-	-	DP 57	860	1	4841
.86/14.4	.89/14.2	.92/13.9	.95/13.7	.97/12.9	.97/11.9	.85/10.2	-	-	-	-	-	-				
5380	5158	4929	4688	4427	4134	3286	-	-	-	-	-	-	DP 58	885	1	4981
.93/15.2	.97/15.0	1.00/14.7	1.03/14.5	1.05/14.0	1.06/12.9	1.00/11.1	-	-	-	-	-	-				
5643	5431	5214	4987	4746	4482	3809	-	-	-	-	-	-	DP 59	925	1-1/2	5207
1.06/16.5	1.10/16.3	1.13/16.1	1.16/16.0	1.19/15.8	1.20/14.7	1.19/12.7	-	-	-	-	-	-				
5970	5769	5565	5354	5132	4895	4335	3429	-	-	-	-	-	DP 60	975	1-1/2	5488
1.24/18.2	1.28/18.0	1.32/17.9	1.35/17.7	1.38/17.6	1.40/17.0	1.41/14.9	1.30/13.1	-	-	-	-	-				
6199	6005	5809	5607	5396	5173	4665	3963	-	-	-	-	-	DP 61	1010	1-1/2	5685
1.37/19.4	1.41/19.2	1.45/19.1	1.49/19.0	1.52/18.9	1.55/18.7	1.57/16.6	1.52/14.6	-	-	-	-	-				
6296	6106	5912	5714	5508	5291	4801	4150	-	-	-	-	-	DP 62	1025	2	5769
1.43/20	1.48/19.8	1.52/19.7	1.55/19.5	1.59/19.4	1.61/19.4	1.64/17.3	1.61/15.3	-	-	-	-	-				
6622	6440	6256	6069	5876	5675	5233	4697	3880	-	-	-	-	DP 63	1075	2	6051
1.65/22	1.69/22	1.74/22	1.78/22	1.81/21	1.84/21	1.89/19.8	1.89/17.7	1.77/15.9	-	-	-	-				
6849	6673	6496	6315	6130	5938	5523	5038	4388	-	-	-	-	DP 64	1110	2	6248
1.81/23	1.86/23	1.90/23	1.95/23	1.98/23	2.02/23	2.07/22	2.09/19.5	2.03/17.6	-	-	-	-				
7108	6938	6768	6594	6417	6235	5845	5403	4856	3987	-	-	-	DP 65	1150	3	6473
2.01/25	2.06/25	2.11/25	2.15/25	2.19/24	2.23/24	2.29/24	2.32/22	2.30/19.6	2.12/17.8	-	-	-				
7431	7269	7106	6940	6772	6600	6237	5835	5366	4753	-	-	-	DP 66	1200	3	6754
2.28/27	2.33/27	2.38/27	2.43/27	2.47/27	2.51/27	2.58/27	2.63/25	2.63/22	2.56/20	-	-	-				
7754	7598	7442	7284	7124	6960	6618	6248	5831	5329	4622	-	-	DP 67	1250	3	7036
2.57/29	2.63/29	2.68/29	2.73/29	2.78/29	2.82/29	2.90/29	2.95/28	2.98/25	2.96/23	2.81/21	-	-				
7916	7763	7609	7455	7298	7138	6806	6450	6053	5588	4979	3527	-	DP 68	1275	3	7177
2.73/30	2.78/30	2.84/30	2.89/30	2.94/30	2.98/30	3.06/30	3.12/29	3.16/27	3.15/24	3.06/22	2.48/21	-				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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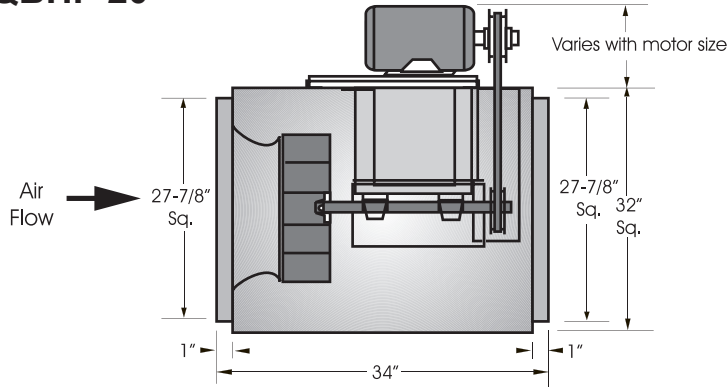




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQBHP 20



Outlet Velocity = CFM x 0.18
Tip Speed = RPM x 5.629
Maximum Motor Frame Size = 184T
Maximum RPM = 1440
Maximum BHP at a Given RPM = (RPM/988)³

Unit Specifications
Housing Metal Thickness = 18 GA.
Approximate Weight = 220 lbs.

CFM / BHP @ Static Pressure / Sones									Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4				
2876	1908	-	-	-	-	-	-	-	DP 54	850	3/4	4784
.65/10.1	.56/9.1	-	-	-	-	-	-	-		DP 55	875	3/4
3051	2380	-	-	-	-	-	-	-	DP 56		900	3/4
.70/10.9	.67/9.7	-	-	-	-	-	-	-		DP 57	950	1
3218	2656	-	-	-	-	-	-	-	DP 58		1000	1
.76/11.8	.75/10.4	-	-	-	-	-	-	-		DP 58	1025	1-1/2
3536	3086	2120	.78/10.9	-	-	-	-	-	DP 58		1075	1-1/2
.89/13.9	.90/11.9	-	-	-	-	-	-	-		DP 58	1100	1-1/2
3839	3452	2907	-	-	-	-	-	-	DP 58		1125	1-1/2
1.02/15.6	1.05/13.7	1.03/12.4	-	-	-	-	-	-		DP 58	1145	1-1/2
3986	3622	3144	-	-	-	-	-	-	DP 58		1150	2
1.09/16.4	1.13/14.8	1.12/13.2	-	-	-	-	-	-		DP 58	1175	2
4275	3946	3549	2957	-	-	-	-	-	DP 58		1200	2
1.25/18.1	1.29/17.2	1.31/14.9	1.26/13.7	-	-	-	-	-		DP 58	1225	2
4416	4102	3732	3230	-	-	-	-	-	DP 58		1250	2
1.33/19.0	1.38/18.2	1.40/16.0	1.38/14.6	-	-	-	-	-		DP 58	1300	3
4557	4254	3907	3463	2546	-	-	-	-	DP 58		1325	3
1.41/19.9	1.47/19.2	1.50/17.2	1.49/15.4	1.31/14.5	-	-	-	-		DP 58	1350	3
4668	4375	4043	3632	2974	-	-	-	-	DP 58		1375	3
1.48/21	1.54/19.9	1.58/18.1	1.58/16.1	1.48/15.1	-	-	-	-		DP 58	1400	3
4696	4405	4076	3673	3048	-	-	-	-	DP 58		1425	3
1.50/21	1.56/20	1.60/18.4	1.60/16.3	1.52/15.3	-	-	-	-		DP 58	1440	3
4834	4553	4240	3868	3353	-	-	-	-	DP 58			
1.59/22	1.65/21	1.70/19.7	1.71/17.5	1.66/16.1	-	-	-	-		DP 58		
4971	4699	4400	4053	3603	2601	-	-	-	DP 58			
1.68/23	1.75/22	1.80/21	1.82/18.7	1.80/17.0	1.55/16.2	-	-	-		DP 58		
5107	4843	4556	4229	3826	3194	-	-	-	DP 58			
1.78/24	1.85/23	1.90/22	1.93/19.9	1.93/18.0	1.82/17.0	-	-	-		DP 58		
5242	4986	4709	4400	4030	3517	-	-	-	DP 58			
1.88/25	1.96/24	2.01/23	2.05/21	2.06/19.1	1.99/17.9	-	-	-		DP 58		
5510	5267	5009	4727	4405	4007	3398	-	-	DP 58			
2.09/26	2.18/25	2.24/25	2.29/24	2.32/21	2.30/19.6	2.18/18.8	-	-		DP 58		
5643	5406	5156	4885	4581	4218	3721	-	-	DP 58			
2.20/27	2.29/26	2.36/26	2.42/25	2.45/23	2.44/21	2.37/19.6	-	-		DP 58		
5775	5544	5302	5041	4751	4415	3984	3203	-	DP 58			
2.32/27	2.41/27	2.49/26	2.55/26	2.58/24	2.59/22	2.55/20	2.32/19.6	-		DP 58		
5907	5681	5445	5193	4917	4602	4216	3650	-	DP 58			
2.44/28	2.53/28	2.61/27	2.68/27	2.72/25	2.74/23	2.72/21	2.59/20	-		DP 58		
6039	5818	5588	5344	5079	4782	4430	3959	-	DP 58			
2.56/29	2.66/29	2.75/28	2.81/27	2.86/26	2.89/24	2.88/22	2.80/21	-		DP 58		
6170	5953	5729	5493	5238	4956	4629	4219	3554	DP 58			
2.69/29	2.79/29	2.88/29	2.95/28	3.01/27	3.04/25	3.05/23	3.00/22	2.80/21		DP 58		
6248	6035	5814	5581	5332	5058	4744	4360	3798	DP 58			
2.77/30	2.88/30	2.96/29	3.04/29	3.10/28	3.14/26	3.15/24	3.11/23	2.97/22		DP 58		

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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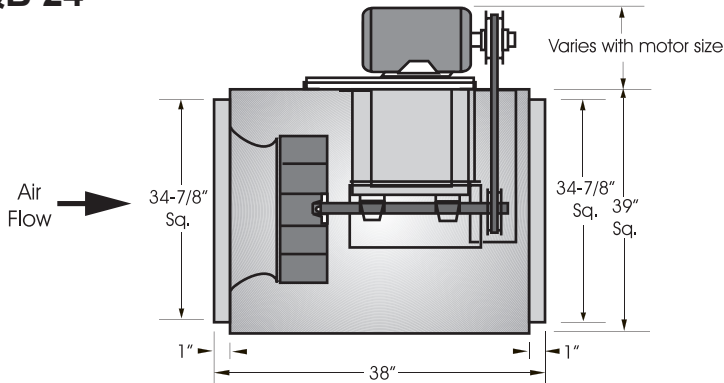


MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 24



Outlet Velocity = CFM x 0.11
 Tip Speed = RPM x 6.48
 Maximum Motor Frame Size = 215T
 Maximum RPM = 1235
 Maximum BHP at a Given RPM = (RPM/711)³

Unit Specifications
 Housing Metal Thickness = 18 GA.
 Approximate Weight = 320 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed	
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4					
4426	3956	3416	2395	-	-	-	-	-	-	-	-	-	DP 59	530	1/2	3434
.39/8.0	.41/7.5	.42/6.4	.36/5.5	-	-	-	-	-	-	-	-	-				
4828	4394	3928	3325	-	-	-	-	-	-	-	-	-	DP 60	570	1/2	3693
.47/9.1	.50/8.7	.52/7.7	.51/6.8	-	-	-	-	-	-	-	-	-				
4928	4502	4049	3485	-	-	-	-	-	-	-	-	-	DP 61	580	1/2	3758
.50/9.3	.53/9.0	.54/8.0	.54/7.1	-	-	-	-	-	-	-	-	-				
5127	4715	4286	3779	2949	-	-	-	-	-	-	-	-	DP 62	600	3/4	3888
.55/9.8	.58/9.6	.60/8.7	.60/7.8	.55/6.9	-	-	-	-	-	-	-	-				
5720	5343	4966	4558	4070	3307	-	-	-	-	-	-	-	DP 63	660	3/4	4276
.72/11.6	.76/11.4	.79/11.0	.80/9.9	.80/9.0	.74/8.2	-	-	-	-	-	-	-				
5867	5498	5131	4738	4284	3653	-	-	-	-	-	-	-	DP 64	675	1	4374
.77/12.1	.81/11.8	.84/11.5	.86/10.5	.86/9.6	.83/8.8	-	-	-	-	-	-	-				
6356	6010	5670	5319	4937	4488	-	-	-	-	-	-	-	DP 65	725	1	4698
.95/13.8	.99/13.6	1.02/13.4	1.05/12.6	1.07/11.6	1.06/10.8	-	-	-	-	-	-	-				
6843	6515	6198	5876	5538	5166	4126	-	-	-	-	-	-	DP 66	775	1-1/2	5022
1.15/15.7	1.20/15.4	1.24/15.2	1.27/14.9	1.29/13.9	1.30/13.0	1.24/11.3	-	-	-	-	-	-				
7278	6966	6665	6364	6053	5723	4925	-	-	-	-	-	-	DP 67	820	1-1/2	5313
1.36/17.5	1.41/17.3	1.45/17.0	1.49/16.8	1.52/16.0	1.54/15.1	1.53/13.3	-	-	-	-	-	-				
7375	7066	6768	6471	6165	5843	5076	-	-	-	-	-	-	DP 68	830	1-1/2	5378
1.41/17.9	1.46/17.7	1.50/17.4	1.54/17.2	1.57/16.5	1.59/15.5	1.59/13.8	-	-	-	-	-	-				
7519	7215	6922	6631	6333	6020	5295	4060	-	-	-	-	-	DP 69	845	2	5475
1.48/18.5	1.53/18.3	1.58/18.1	1.62/17.9	1.65/17.3	1.68/16.3	1.68/14.5	1.53/12.9	-	-	-	-	-				
8049	7760	7483	7210	6934	6650	6030	5237	-	-	-	-	-	DP 70	900	2	5832
1.78/21	1.84/21	1.89/20	1.94/20	1.97/20	2.01/19.1	2.04/17.3	2.00/15.5	-	-	-	-	-				
8145	7859	7584	7314	7042	6763	6156	5400	-	-	-	-	-	DP 71	910	2	5896
1.84/21	1.90/21	1.95/21	2.00/21	2.04/20	2.07/19.6	2.11/17.8	2.08/16.1	-	-	-	-	-				
8384	8105	7837	7574	7310	7040	6465	5779	4720	-	-	-	-	DP 72	935	3	6058
2.00/22	2.05/22	2.11/22	2.16/22	2.20/22	2.23/21	2.28/19.1	2.28/17.4	2.13/15.8	-	-	-	-				
9102	8840	8589	8344	8100	7855	7348	6790	6119	5100	-	-	-	DP 73	1010	3	6544
2.50/26	2.57/26	2.63/25	2.68/25	2.73/25	2.78/25	2.85/23	2.88/21	2.86/19.7	2.68/18.2	-	-	-				
9340	9084	8838	8598	8360	8122	7632	7101	6486	5659	-	-	-	DP 74	1035	3	6706
2.69/27	2.76/27	2.82/27	2.88/26	2.93/26	2.98/26	3.05/25	3.10/23	3.09/21	2.99/19.5	-	-	-				
9436	9181	8937	8699	8464	8228	7744	7224	6626	5849	-	-	-	DP 75	1045	5	6771
2.77/28	2.84/27	2.90/27	2.96/27	3.01/27	3.06/26	3.14/25	3.19/23	3.19/22	3.10/20	-	-	-				
9769	9521	9284	9053	8825	8597	8133	7643	7098	6441	5459	-	-	DP 76	1080	5	6998
3.05/29	3.12/29	3.19/29	3.25/28	3.31/28	3.36/28	3.44/27	3.50/25	3.53/24	3.49/22	3.28/20	-	-				
10149	9909	9679	9455	9234	9015	8571	8109	7608	7035	6305	4831	-	DP 77	1120	5	7257
3.40/31	3.47/31	3.54/30	3.60/30	3.66/30	3.72/29	3.82/29	3.89/27	3.93/25	3.92/24	3.82/22	3.33/21	-				
10814	10586	10367	10154	9945	9738	9324	8900	8454	7970	7416	6425	-	DP 78	1190	5	7711
4.06/34	4.14/33	4.22/33	4.29/33	4.36/33	4.42/32	4.53/32	4.62/31	4.68/29	4.72/27	4.70/26	4.59/24	-				
11145	10923	10710	10502	10298	10096	9695	9286	8861	8407	7903	7309	-	DP 79	1225	5	7937
4.43/35	4.51/35	4.59/35	4.66/34	4.73/34	4.80/34	4.91/33	5.01/33	5.09/31	5.14/29	5.14/28	5.09/26	-				
11240	11019	10807	10601	10399	10198	9800	9396	8976	8529	8037	7464	-	DP 80	1235	5	8002
4.54/36	4.62/35	4.70/35	4.77/35	4.84/35	4.91/34	5.03/34	5.13/33	5.21/31	5.26/30	5.27/28	5.23/27	-				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



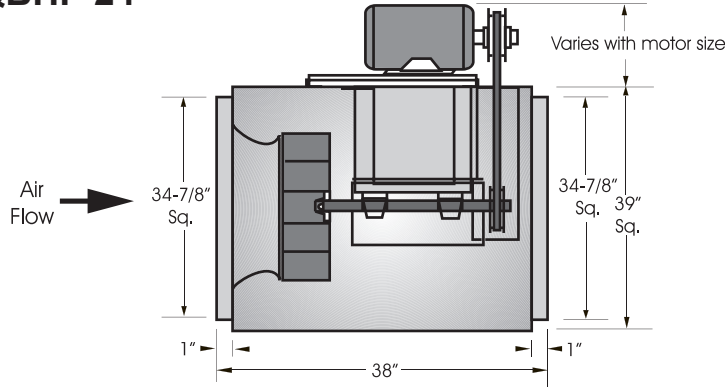
S&P, Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN

SQBHP 24



Outlet Velocity = CFM x 0.11
Tip Speed = RPM x 6.48
Maximum Motor Frame Size = 215T
Maximum RPM = 1515
Maximum BHP at a Given RPM = (RPM/774)³

Unit Specifications
Housing Metal Thickness = 18 GA.
Approximate Weight = 320 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed	
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3	3-1/4					3-1/2
4251	3195	-	-	-	-	-	-	-	-	-	-	DP 66	765	1	4957
.99/12.0	.91/10.4	-	-	-	-	-	-	-	-	-	-				
4474	3589	-	-	-	-	-	-	-	-	-	-	DP 67	785	1	5086
1.07/12.8	1.03/11.7	-	-	-	-	-	-	-	-	-	-				
4794	4054	-	-	-	-	-	-	-	-	-	-	DP 68	815	1-1/2	5281
1.19/14.0	1.18/12.8	-	-	-	-	-	-	-	-	-	-				
5251	4635	3676	-	-	-	-	-	-	-	-	-	DP 69	860	1-1/2	5572
1.38/15.8	1.40/14.7	1.31/13.2	-	-	-	-	-	-	-	-	-				
5641	5095	4370	-	-	-	-	-	-	-	-	-	DP 69	900	1-1/2	5832
1.56/17.5	1.61/16.4	1.58/15.3	-	-	-	-	-	-	-	-	-				
5973	5472	4853	3868	-	-	-	-	-	-	-	-	DP 69	935	2	6058
1.74/19.1	1.79/18.0	1.80/16.8	1.66/15.1	-	-	-	-	-	-	-	-				
6159	5680	5103	4281	-	-	-	-	-	-	-	-	DP 69	955	2	6188
1.84/20	1.90/18.9	1.92/17.8	1.84/16.7	-	-	-	-	-	-	-	-				
6481	6034	5515	4848	3558	-	-	-	-	-	-	-	DP 69	990	2	6415
2.03/22	2.10/20	2.14/19.4	2.11/18.4	1.81/15.6	-	-	-	-	-	-	-				
6887	6473	6008	5453	4687	-	-	-	-	-	-	-	DP 70	1035	3	6706
2.29/24	2.38/23	2.44/21	2.44/20	2.35/19.5	-	-	-	-	-	-	-				
7331	6947	6527	6047	5458	4589	-	-	-	-	-	-	DP 70	1085	3	7030
2.61/26	2.71/25	2.78/24	2.82/23	2.79/22	2.62/20	-	-	-	-	-	-				
7725	7364	6974	6542	6039	5400	4319	-	-	-	-	-	DP 70	1130	3	7322
2.92/27	3.03/27	3.11/25	3.17/24	3.18/23	3.11/23	2.80/20	-	-	-	-	-				
7985	7637	7265	6857	6395	5836	5059	-	-	-	-	-	DP 70	1160	5	7516
3.14/28	3.25/28	3.35/27	3.42/26	3.45/25	3.41/24	3.25/23	-	-	-	-	-				
8330	7997	7645	7265	6844	6357	5750	4815	-	-	-	-	DP 70	1200	5	7775
3.45/30	3.57/30	3.68/28	3.76/27	3.81/26	3.81/25	3.73/25	3.45/22	-	-	-	-				
8671	8352	8018	7660	7272	6835	6321	5654	4413	-	-	-	DP 70	1240	5	8035
3.77/31	3.91/31	4.02/30	4.11/29	4.18/28	4.21/27	4.18/26	4.05/25	3.54/22	-	-	-				
8968	8660	8339	7999	7633	7230	6770	6213	5440	-	-	-	DP 70	1275	5	8261
4.08/33	4.22/33	4.34/32	4.44/31	4.52/30	4.57/29	4.57/28	4.50/27	4.27/26	-	-	-				
9179	8878	8566	8237	7885	7502	7072	6567	5921	4817	-	-	DP 70	1300	5	8423
4.30/34	4.45/34	4.58/33	4.69/32	4.77/31	4.83/30	4.85/29	4.81/28	4.66/27	4.19/25	-	-				
9431	9139	8836	8519	8183	7820	7419	6962	6408	5645	-	-	DP 70	1330	5	8618
4.59/35	4.74/35	4.87/34	4.99/33	5.09/32	5.16/31	5.19/31	5.18/30	5.09/29	4.84/27	-	-				
9891	9613	9326	9028	8715	8382	8023	7626	7174	6630	5891	-	DP 71	1385	7 1/2	8974
5.14/37	5.30/37	5.44/37	5.58/36	5.69/35	5.78/34	5.84/33	5.86/32	5.84/32	5.74/31	5.47/29	-				
10223	9954	9678	9392	9094	8779	8443	8078	7673	7207	6637	5829	DP 71	1425	7 1/2	9233
5.56/39	5.73/39	5.89/39	6.03/38	6.15/37	6.25/36	6.33/35	6.38/34	6.38/34	6.34/33	6.19/32	5.84/30				
10513	10251	9984	9707	9420	9119	8800	8458	8084	7665	7176	6562	DP 71	1460	7 1/2	9460
5.96/41	6.13/41	6.29/41	6.44/40	6.57/39	6.68/38	6.77/37	6.84/36	6.87/36	6.85/35	6.77/34	6.57/33				
10760	10505	10244	9975	9697	9406	9100	8774	8422	8034	7593	7068	DP 71	1490	7 1/2	9564
6.31/42	6.49/42	6.66/42	6.81/42	6.95/41	7.07/40	7.17/39	7.25/38	7.29/37	7.30/36	7.25/36	7.12/35				
10996	10716	10460	10197	9925	9642	9346	9032	8696	8329	7919	7445	DP 71	1515	7 1/2	9816
6.61/43	6.80/43	6.97/43	7.13/43	7.27/42	7.40/41	7.51/40	7.59/40	7.65/39	7.68/38	7.65/37	7.56/36				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



S&P, Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



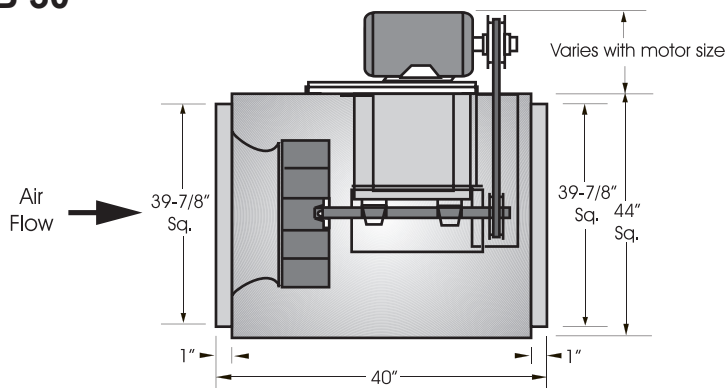


MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 30



Outlet Velocity = CFM x 0.09
Tip Speed = RPM x 8.017
Maximum Motor Frame Size = 215T
Maximum RPM = 1000
Maximum BHP at a Given RPM = (RPM/510)³

Unit Specifications

Housing Metal Thickness = 16 GA.
Approximate Weight = 420 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4				
5919	5239	4395	-	-	-	-	-	-	-	-	-	DP 72	425	3/4	3407
.53/7.6	.57/7.1	.58/6.4	-	-	-	-	-	-	-	-	-				
6341	5711	4978	3879	-	-	-	-	-	-	-	-				
.63/8.5	.67/8.0	.69/7.3	.65/6.5	-	-	-	-	-	-	-	-	DP 73	450	3/4	3608
6675	6079	5408	4526	-	-	-	-	-	-	-	-				
.71/9.3	.75/8.8	.78/8.1	.77/7.3	-	-	-	-	-	-	-	-				
7174	6619	6017	5300	4214	-	-	-	-	-	-	-	DP 74	500	1	4009
.85/10.6	.90/10.0	.93/9.5	.94/8.6	.89/7.8	-	-	-	-	-	-	-				
7503	6972	6406	5757	4900	-	-	-	-	-	-	-				
.95/11.6	1.00/10.9	1.04/10.4	1.06/9.6	1.04/8.7	-	-	-	-	-	-	-	DP 75	520	1	4169
7995	7496	6973	6397	5707	4707	-	-	-	-	-	-				
1.12/13.0	1.17/12.4	1.22/11.9	1.25/11.2	1.25/10.2	1.19/9.4	-	-	-	-	-	-				
8403	7926	7433	6901	6294	5525	-	-	-	-	-	-	DP 76	550	1-1/2	4410
1.28/14.3	1.33/13.7	1.38/13.2	1.42/12.6	1.43/11.7	1.41/10.7	-	-	-	-	-	-				
8646	8182	7705	7196	6625	5935	-	-	-	-	-	-				
1.37/15.1	1.43/14.5	1.48/14.0	1.52/13.4	1.55/12.5	1.54/11.6	-	-	-	-	-	-	DP 77	590	1-1/2	4730
9212	8775	8330	7863	7358	6784	5002	-	-	-	-	-				
1.63/16.8	1.69/16.3	1.75/15.8	1.79/15.3	1.83/14.7	1.84/13.7	1.69/11.8	-	-	-	-	-				
9615	9195	8770	8328	7857	7337	5958	-	-	-	-	-	DP 78	625	2	5011
1.82/17.9	1.89/17.4	1.95/16.9	2.00/16.4	2.04/15.9	2.07/15.0	2.01/13.2	-	-	-	-	-				
10417	10027	9635	9233	8815	8369	7324	5651	-	-	-	-				
2.27/20	2.34/19.5	2.40/19.0	2.47/18.6	2.52/18.2	2.56/17.8	2.58/16.0	2.38/14.4	-	-	-	-	DP 79	700	3	5612
10817	10440	10062	9677	9279	8860	7909	6605	-	-	-	-				
2.51/21	2.59/21	2.66/20	2.72/19.7	2.78/19.3	2.83/18.9	2.88/17.4	2.78/15.9	-	-	-	-				
11215	10851	10487	10116	9736	9339	8461	7349	5116	-	-	-	DP 80	725	3	5813
2.78/22	2.85/22	2.93/21	3.00/21	3.06/20	3.11/20	3.18/18.9	3.15/17.4	2.65/16.0	-	-	-				
12010	11669	11327	10983	10632	10271	9497	8601	7420	-	-	-				
3.36/25	3.44/24	3.52/24	3.60/24	3.67/23	3.73/23	3.83/22	3.86/20	3.76/19.1	-	-	-	DP 81	750	3	6013
12407	12075	11744	11412	11074	10727	9993	9165	8144	6529	-	-				
3.68/26	3.76/26	3.85/25	3.92/25	4.00/25	4.07/24	4.18/24	4.24/22	4.19/21	3.86/19.3	-	-				
12803	12481	12160	11837	11511	11178	10478	9704	8791	7552	-	-	DP 82	800	5	6414
4.02/27	4.10/27	4.19/27	4.27/26	4.35/26	4.42/26	4.54/25	4.62/24	4.62/22	4.45/21	-	-				
13198	12885	12573	12260	11945	11623	10953	10224	9390	8344	6595	-				
4.38/29	4.47/28	4.56/28	4.64/28	4.72/27	4.80/27	4.93/26	5.03/25	5.06/24	4.96/22	4.48/21	-	DP 83	825	5	6615
13356	13046	12738	12429	12117	11800	11141	10428	9620	8629	7128	-				
4.53/29	4.62/29	4.71/29	4.79/28	4.88/28	4.95/28	5.09/27	5.19/26	5.23/25	5.16/23	4.80/22	-				
13987	13691	13396	13100	12803	12503	11883	11224	10500	9665	8607	6796	DP 84	850	5	6815
5.16/32	5.26/32	5.35/31	5.44/31	5.53/30	5.61/30	5.76/29	5.89/29	5.96/27	5.96/26	5.82/24	5.21/23				
14381	14092	13805	13518	13229	12937	12339	11708	11025	10256	9332	8049				
5.58/34	5.68/33	5.78/33	5.87/32	5.96/32	6.05/32	6.21/31	6.35/30	6.44/29	6.47/28	6.40/26	6.09/25	DP 85	875	5	7015
14775	14493	14213	13933	13652	13369	12790	12184	11535	10819	9988	8936				
6.03/35	6.13/35	6.23/35	6.33/34	6.42/34	6.51/33	6.68/33	6.83/32	6.94/31	6.99/29	6.97/28	6.79/27				
15168	14893	14620	14347	14074	13798	13237	12654	12034	11360	10599	9686	DP 86	885	5	7096
6.50/37	6.61/37	6.71/36	6.81/36	6.91/35	7.00/35	7.18/34	7.33/34	7.45/33	7.53/31	7.54/30	7.44/28				
15987	15711	15435	15159	14883	14607	14046	13485	12924	12363	11702	10841				
7.03/39	7.14/39	7.24/38	7.34/38	7.44/37	7.54/37	7.72/36	7.87/35	7.99/34	7.99/33	7.91/31	7.72/30				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



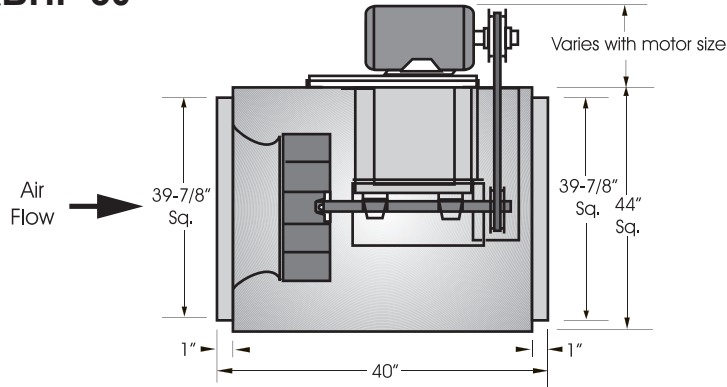
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MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN

SQBHP 30



Outlet Velocity = CFM x 0.09
Tip Speed = RPM x 8.017
Maximum Motor Frame Size = 215T
Maximum RPM = 1120
Maximum BHP at a Given RPM = (RPM/572)³

Unit Specifications
Housing Metal Thickness = 16 GA.
Approximate Weight = 420 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed	
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3	3-1/4					3-1/2
5295	3906	-	-	-	-	-	-	-	-	-	-	DP 79	615	1-1/2	4931
1.26/12.0	1.18/10.8	-	-	-	-	-	-	-	-	-	-		640	1-1/2	5131
5739	4646	-	-	-	-	-	-	-	-	-	-	DP 80	660	1-1/2	5292
1.42/13.2	1.39/12.0	-	-	-	-	-	-	-	-	-	-		690	2	5532
6078	5117	-	-	-	-	-	-	-	-	-	-	DP 81	710	2	5692
1.55/14.2	1.55/13.0	-	-	-	-	-	-	-	-	-	-		725	2	5813
6565	5735	4452	-	-	-	-	-	-	-	-	-	DP 81	735	2	5893
1.75/15.8	1.78/14.5	1.68/13.3	-	-	-	-	-	-	-	-	-		765	3	6133
6880	6112	5051	-	-	-	-	-	-	-	-	-	DP 81	785	3	6494
1.90/16.9	1.94/15.6	1.89/14.4	-	-	-	-	-	-	-	-	-		810	3	6494
7112	6382	5426	-	-	-	-	-	-	-	-	-	DP 81	830	3	6655
2.01/17.7	2.06/16.5	2.04/15.2	-	-	-	-	-	-	-	-	-		835	5	6695
7265	6558	5657	3916	-	-	-	-	-	-	-	-	DP 82	900	5	7216
2.09/18.3	2.15/17.0	2.13/15.7	1.87/14.9	-	-	-	-	-	-	-	-		920	5	7376
7715	7066	6286	5172	-	-	-	-	-	-	-	-	DP 82	945	5	7577
2.34/19.7	2.41/18.7	2.43/17.5	2.33/16.3	-	-	-	-	-	-	-	-		975	5	7817
8011	7393	6670	5720	-	-	-	-	-	-	-	-	DP 83	990	5	7937
2.51/21	2.59/19.8	2.62/18.6	2.57/17.4	-	-	-	-	-	-	-	-		1020	7 1/2	8178
8375	7790	7125	6304	5034	-	-	-	-	-	-	-	DP 83	1045	7 1/2	8378
2.73/22	2.83/21	2.88/19.9	2.86/18.8	2.68/17.8	-	-	-	-	-	-	-		1090	7 1/2	8739
8663	8102	7474	6725	5696	-	-	-	-	-	-	-	DP 83	1110	7 1/2	8900
2.92/23	3.03/22	3.09/21	3.10/19.9	2.99/18.9	-	-	-	-	-	-	-		1120	7 1/2	8980
8734	8179	7559	6826	5838	-	-	-	-	-	-	-	DP 83	1120	7 1/2	8980
2.97/23	3.08/23	3.14/21	3.15/20	3.06/19.2	-	-	-	-	-	-	-		1120	7 1/2	8980
9651	9155	8622	8028	7334	6439	4783	-	-	-	-	-	DP 83	1120	7 1/2	8980
3.65/26	3.79/26	3.89/25	3.94/24	3.95/23	3.86/22	3.43/21	-	-	-	-	-		1120	7 1/2	8980
9929	9448	8935	8371	7726	6933	5767	-	-	-	-	-	DP 83	1120	7 1/2	8980
3.88/27	4.02/27	4.13/26	4.20/25	4.22/24	4.17/23	3.94/22	-	-	-	-	-		1120	7 1/2	8980
10273	9810	9319	8787	8191	7488	6569	4737	-	-	-	-	DP 83	1120	7 1/2	8980
4.18/28	4.33/28	4.45/28	4.54/27	4.58/26	4.56/25	4.43/24	3.86/23	-	-	-	-		1120	7 1/2	8980
10684	10240	9773	9272	8722	8095	7335	6268	-	-	-	-	DP 83	1120	7 1/2	8980
4.56/30	4.72/30	4.85/29	4.95/29	5.01/27	5.03/26	4.96/25	4.74/24	-	-	-	-		1120	7 1/2	8980
10888	10453	9996	9509	8979	8382	7676	6748	4850	-	-	-	DP 83	1120	7 1/2	8980
4.76/31	4.92/30	5.06/30	5.17/30	5.24/28	5.26/27	5.22/26	5.06/25	4.38/25	-	-	-		1120	7 1/2	8980
11295	10875	10438	9976	9479	8932	8306	7547	6482	-	-	-	DP 83	1120	7 1/2	8980
5.17/32	5.34/32	5.49/32	5.62/31	5.70/30	5.75/29	5.75/28	5.66/27	5.40/26	-	-	-		1120	7 1/2	8980
11631	11224	10802	10358	9885	9370	8795	8123	7270	5883	-	-	DP 83	1120	7 1/2	8980
5.53/34	5.71/33	5.87/33	6.00/33	6.11/32	6.17/31	6.19/30	6.15/29	5.99/28	5.52/28	-	-		1120	7 1/2	8980
12233	11846	11447	11032	10594	10127	9618	9049	8386	7552	6248	-	DP 83	1120	7 1/2	8980
6.21/36	6.42/36	6.59/36	6.75/36	6.87/35	6.96/34	7.02/33	7.02/32	6.96/31	6.79/30	6.31/30	-		1120	7 1/2	8980
12499	12121	11731	11327	10903	10452	9966	9430	8820	8085	7088	-	DP 83	1120	7 1/2	8980
6.54/38	6.75/37	6.93/37	7.09/37	7.22/37	7.33/36	7.39/35	7.42/33	7.39/32	7.27/32	6.97/31	-		1120	7 1/2	8980
12632	12257	11872	11473	11055	10613	10137	9616	9028	8331	7424	5772	DP 83	1120	7 1/2	8980
6.71/38	6.92/38	7.11/38	7.27/37	7.41/37	7.51/36	7.59/35	7.62/34	7.60/33	7.50/32	7.26/32	6.51/31		1120	7 1/2	8980

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



S&P, Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

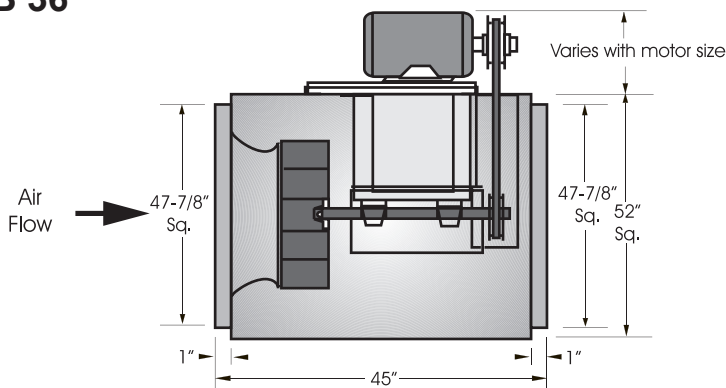




MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 36



Outlet Velocity = CFM x 0.06
Tip Speed = RPM x 9.344
Maximum Motor Frame Size = 215T
Maximum RPM = 725
Maximum BHP at a Given RPM = (RPM/375)³

Unit Specifications
Housing Metal Thickness = 16 GA.
Approximate Weight = 600 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2				
7846 .62/6.5	6921 .65/6.0	5189 .60/5.9	-	-	-	-	-	-	-	-	DP 84	325	1	3031
8564 .76/7.5	7767 .81/7.0	6594 .80/6.6	-	-	-	-	-	-	-	-				
9270 .93/8.5	8565 .98/8.0	7632 1.00/7.5	5970 .93/7.5	-	-	-	-	-	-	-	DP 86	375	1	3497
9970 1.11 9.6	9335 1.18/9.1	8545 1.21/8.6	7421 1.20/8.3	-	-	-	-	-	-	-				
10663 1.33/10.8	10083 1.40/10.2	9392 1.44/9.7	8500 1.46/9.2	7081 1.38/9.2	-	-	-	-	-	-	DP 88	425	1-1/2	3964
11351 1.57/12.1	10817 1.64/11.5	10198 1.70/11.0	9445 1.73/10.4	8428 1.71/10.1	6431 1.50/10.1	-	-	-	-	-				
12035 1.83/13.5	11540 1.91/12.8	10978 1.98/12.2	10318 2.02/11.7	9496 2.03/11.2	8325 1.97/11.2	-	-	-	-	-	DP 89	475	2	4430
12717 2.13/14.8	12254 2.21/14.2	11737 2.29/13.7	11147 2.34/13.1	10446 2.37/12.5	9552 2.35/12.2	-	-	-	-	-				
13396 2.45/16.2	12961 2.55/15.6	12482 2.63/15.0	11946 2.69/14.5	11329 2.74/14.0	10587 2.75/13.5	7996 2.48/13.5	-	-	-	-	DP 89	525	3	4896
14072 2.81/17.7	13662 2.91/17.1	13215 3.00/16.5	12723 3.07/16.0	12168 3.13/15.4	11526 3.16/15.0	9697 3.06/14.7	-	-	-	-				
14747 3.20/19.2	14358 3.31/18.6	13939 3.40/18.1	13482 3.48/17.5	12977 3.55/17.0	12407 3.59/16.5	10925 3.57/15.8	7295 2.90/15.9	-	-	-	DP 89	575	5	5363
15420 3.62/21	15051 3.74/20	14655 3.84/19.6	14229 3.93/19.1	13764 4.01/18.6	13248 4.06/18.1	11979 4.09/17.1	9946 3.87/17.2	-	-	-				
16091 4.09/22	15740 4.20/22	15366 4.31/21	14965 4.41/21	14533 4.50/20	14060 4.56/19.7	12940 4.63/18.7	11369 4.54/18.5	-	-	-	DP 89	625	5	5829
16762 4.59/24	16426 4.71/23	16070 4.82/23	15693 4.93/22	15288 5.02/22	14851 5.10/21	13841 5.20/20	12528 5.18/19.6	10378 4.83/19.8	-	-				
17431 5.12/25	17109 5.25/25	16771 5.38/24	16413 5.49/24	16032 5.59/23	15625 5.68/23	14702 5.80/22	13559 5.83/21	11952 5.66/21	-	-	DP 89	675	7 1/2	6295
18100 5.70/27	17791 5.84/26	17467 5.97/26	17127 6.09/25	16768 6.19/25	16385 6.29/24	15533 6.44/23	14512 6.51/22	13188 6.44/22	11047 5.99/22	-				
18767 6.33/28	18471 6.47/28	18161 6.60/27	17836 6.73/27	17495 6.84/26	17134 6.95/26	16341 7.12/25	15414 7.22/24	14271 7.21/23	12685 6.98/23	8266 5.39/23	DP 89	725	7 1/2	6762

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



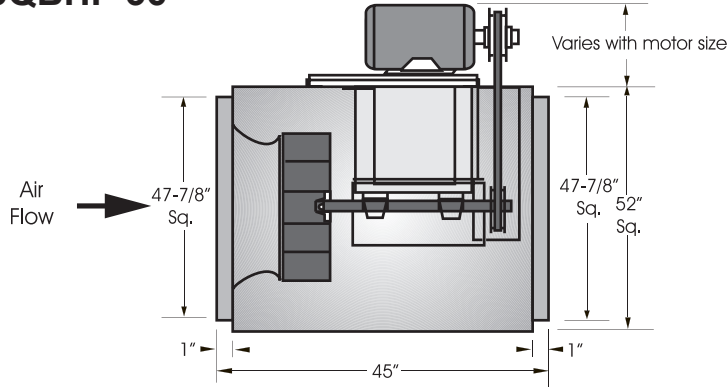
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MODEL SQB
BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN

SQBHP 36



Outlet Velocity = CFM x 0.06
Tip Speed = RPM x 9.344
Maximum Motor Frame Size = 215T
Maximum RPM = 840
Maximum BHP at a Given RPM = (RPM/426)³

Unit Specifications
Housing Metal Thickness = 16 GA.
Approximate Weight = 600 lbs.

CFM / BHP @ Static Pressure / Sones								Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2				
5958	-	-	-	-	-	-	-	DP-91	475	1-1/2	4430
1.32/10.3	-	-	-	-	-	-	-				
6880	-	-	-	-	-	-	-	DP-92	495	1-1/2	4617
1.55/11.2	-	-	-	-	-	-	-				
7969	-	-	-	-	-	-	-	DP-93	525	2	4896
1.87/12.7	-	-	-	-	-	-	-				
8761	6961	-	-	-	-	-	-	DP-94	550	2	5130
2.15/14.0	2.05/13.4	-	-	-	-	-	-				
9495	8081	-	-	-	-	-	-	DP-95	575	3	5363
2.44/15.3	2.43/14.6	-	-	-	-	-	-				
10192	8992	6855	-	-	-	-	-	DP-96	600	3	5596
2.75/16.7	2.79/16.0	2.53/15.6	-	-	-	-	-				
10863	9806	8278	-	-	-	-	-	DP-97	625	3	5829
3.08/18.2	3.15/17.5	3.07/16.8	-	-	-	-	-				
11514	10561	9310	6845	-	-	-	-	DP-98	650	5	6062
3.43/19.5	3.53/18.8	3.53/18.2	3.06/18.0	-	-	-	-				
12150	11276	10195	8598	-	-	-	-	DP-99	675	5	6295
3.81/21	3.93/20	3.97/19.6	3.81/19.1	-	-	-	-				
12773	11964	11001	9728	7136	-	-	-	DP-100	700	5	6529
4.21/22	4.35/22	4.43/21	4.37/20	3.74/20	-	-	-				
13386	12631	11756	10671	9070	-	-	-	DP-101	725	5	6762
4.64/24	4.80/23	4.91/22	4.91/22	4.68/21	-	-	-				
13508	12762	11903	10847	9334	-	-	-	DP-102	730	5	6808
4.73/24	4.89/23	5.00/23	5.02/22	4.82/22	-	-	-				
13750	13023	12192	11188	9817	-	-	-	DP-103	740	5	6902
4.91/24	5.08/24	5.20/23	5.24/23	5.10/22	-	-	-				
14589	13918	13169	12304	11235	9693	-	-	DP-104	775	7 1/2	7228
5.58/27	5.77/26	5.92/25	6.01/25	5.99/24	5.72/24	-	-				
15181	14544	13842	13048	12108	10889	8781	-	DP-105	800	7 1/2	7461
6.10/28	6.30/27	6.47/27	6.58/26	6.62/26	6.49/25	5.86/25	-				
15768	15160	14499	13763	12915	11881	10442	-	DP-106	825	7 1/2	7694
6.64/30	6.86/29	7.04/28	7.18/28	7.26/27	7.22/27	6.93/26	-				
16117	15526	14887	14180	13378	12422	11174	8932	DP-107	840	7 1/2	7834
6.98/31	7.21/30	7.40/29	7.56/29	7.65/28	7.65/28	7.46/27	6.65/27				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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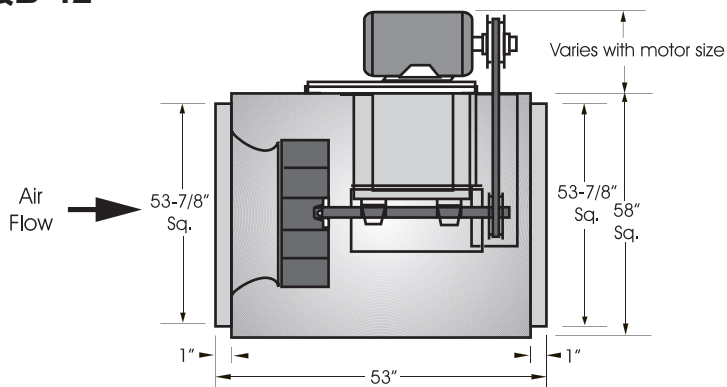


MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 42



Outlet Velocity = CFM x 0.04
Tip Speed = RPM x 10.995
Maximum Motor Frame Size = 215T
Maximum RPM = 565
Maximum BHP at a Given RPM = (RPM/289)³

Unit Specifications
Housing Metal Thickness = 16 GA.
Approximate Weight = 725 lbs.

CFM / BHP @ Static Pressure / Sones								Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4				
11079	8897	-	-	-	-	-	-	DP 97	285	2	3134
.96/7.9	.94/8.3	-	-	-	-	-	-		310	2	3409
12360	10509	7767	-	-	-	-	-	DP 98	325	2	3574
1.23/9.6	1.23/10.2	1.13/10.9	-	-	-	-	-		350	2	3848
13114	11406	9110	-	-	-	-	-	DP 99	360	2	3958
1.41/10.4	1.42/11.1	1.36/11.7	-	-	-	-	-		365	2	4013
14353	12829	10961	8114	-	-	-	-	DP 100	375	3	4123
1.76/11.6	1.77/12.2	1.74/12.8	1.58/13.5	-	-	-	-		390	3	4288
14843	13379	11629	9169	-	-	-	-	DP 100	415	3	4563
1.91/12.1	1.93/12.6	1.91/13.3	1.78/13.9	-	-	-	-		420	3	4618
15087	13651	11953	9638	-	-	-	-	DP 100	430	5	4728
1.99/12.4	2.01/12.9	1.99/13.5	1.88/14.1	-	-	-	-		445	5	4893
15573	14190	12583	10497	6669	-	-	-	DP 100	470	5	5168
2.16/12.9	2.18/13.4	2.17/14.0	2.08/14.6	1.71/15.4	-	-	-		490	5	5388
16299	14986	13494	11656	8917	-	-	-	DP 100	495	5	5443
2.42/13.7	2.45/14.2	2.45/14.7	2.38/15.3	2.17/16.0	-	-	-		525	7 1/2	5773
17498	16287	14945	13383	11381	8066	-	-	DP 100	545	7 1/2	5993
2.91/15.1	2.95/15.5	2.96/15.9	2.92/16.5	2.80/17.2	2.42/17.8	-	-		560	7 1/2	6158
17737	16543	15228	13708	11796	8831	-	-	DP 100	565	7 1/2	6212
3.02/15.4	3.06/15.7	3.07/16.2	3.03/16.8	2.93/17.4	2.60/18.0	-	-				
18213	17054	15786	14342	12581	10091	-	-				
3.24/16.0	3.28/16.3	3.29/16.8	3.27/17.3	3.18/17.9	2.94/18.5	-	-				
18925	17813	16609	15262	13676	11618	-	-				
3.59/17.0	3.63/17.2	3.65/17.7	3.63/18.2	3.57/18.8	3.40/19.3	-	-				
20106	19064	17950	16732	15353	13703	7488	-				
4.22/18.8	4.27/19.0	4.29/19.3	4.29/19.7	4.25/20	4.15/21	3.17/22	-				
21046	20053	19001	17865	16607	15158	10870	-				
4.77/21	4.83/21	4.86/21	4.87/21	4.84/22	4.77/22	4.24/23	-				
21281	20299	19261	18144	16911	15503	11477	-				
4.92/21	4.97/21	5.01/22	5.02/22	5.00/22	4.93/23	4.46/24	-				
22683	21765	20803	19782	18680	17463	14401	8269				
5.86/24	5.92/24	5.96/24	5.99/25	5.98/25	5.94/26	5.67/27	4.39/28				
23615	22734	21816	20849	19815	18692	15997	11784				
6.55/26	6.62/26	6.66/26	6.69/27	6.70/27	6.68/28	6.48/29	5.76/30				
24312	23457	22569	21638	20649	19584	17095	13563				
7.11/28	7.17/28	7.22/28	7.26/28	7.27/29	7.25/30	7.10/31	6.57/32				
24544	23697	22819	21899	20924	19877	17447	14082				
7.30/28	7.36/28	7.42/28	7.45/29	7.47/30	7.45/30	7.31/31	6.83/33				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

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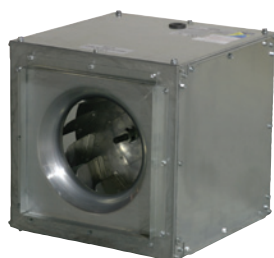
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MODEL SQD & eSQD

DIRECT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



MODEL FEATURES

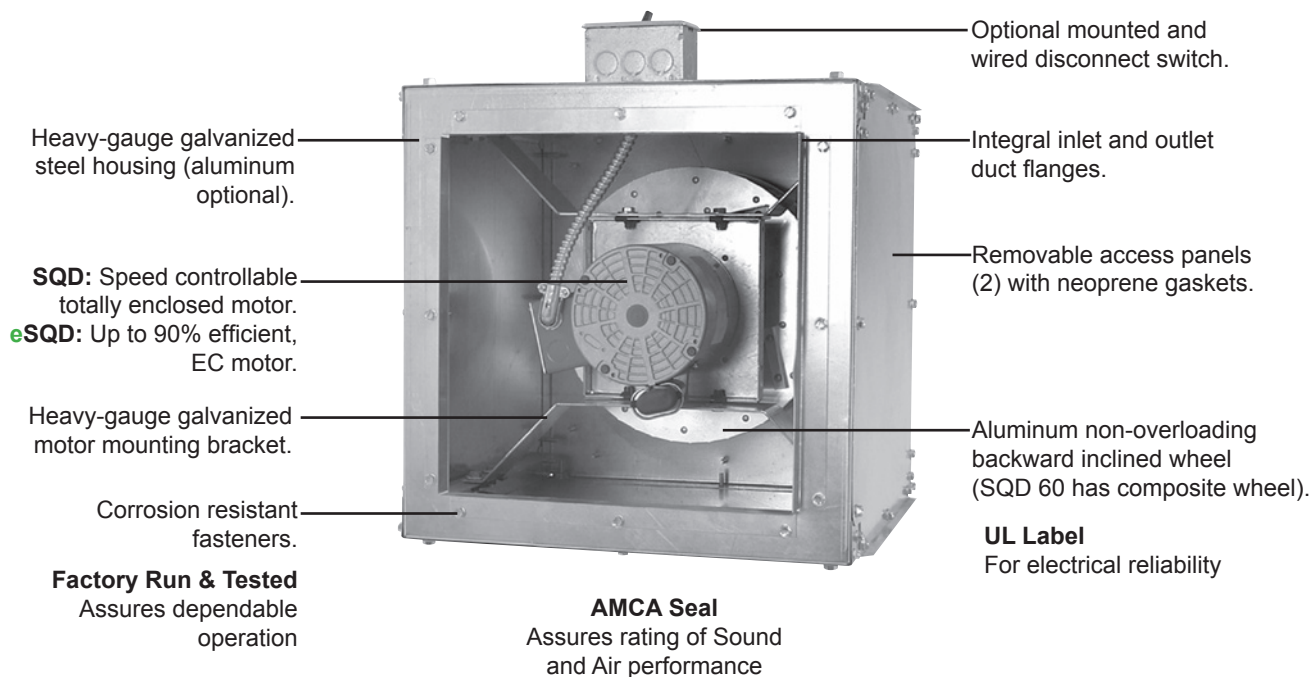
- Exhaust air up to 2,800 CFM in high static pressure applications up to 1" w.g.
- Direct drive units have low sound levels and quiet operation
- Ideal for applications where space is limited
- Non-overloading backward inclined wheel for efficiency at higher static pressures
- AMCA Air and Sound Licensed
- cULus 705 Listed

MODEL OVERVIEW

Model SQD fans are available in sizes 6 through 15, moving up to 2,800 CFM, with static pressure capabilities to 1". SQD units are the perfect selection for clean air applications where space is a leading consideration. The compact housing with removable access doors can be mounted in any orientation.

The eSQD comes with S&P's electronically commutated (EC) motor (eMotor) which offers the energy efficiency of a DC motor with the ease of maintenance of DD motors. The eMotor has a motor mounted potentiometer, and can be controlled by a 0-10V signal. Model eSQD is available in sizes 8, 10 and 12.

CONSTRUCTION FEATURES AND OPTIONS



2 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau

CGV_SQD_1014

October 2014



CONSTRUCTION/SPECIFICATION CHECKLIST

Blower/Housing

- Aluminum, non-overloading, backward inclined centrifugal wheel statically and dynamically balanced. SQD 60 has composite wheel.
- Deep spun venturi inlet.
- Heavy-gauge galvanized steel housing.
- Integral inlet and outlet duct collars.
- Universal mounting - horizontal, vertical, or any angle.
- Easy access to interior of unit with removable side panels with closed cell neoprene gasketing
- Motor and wheel removable from unit without disconnecting duct.

Speed Controllable Motors (SQD)

- Brands are nationally recognized and locally serviced.
- Standard motors are single speed, speed controllable and totally enclosed.
- All motors are rated for continuous duty.
- Disconnect is standard with totally enclosed motors.
- Motors ship mounted as standard.

Electronically Commutated Motors (eSQD)

- Brands are nationally recognized and locally serviced.
- Motor mounted potentiometer for easy speed adjustment.
- Easy speed control by DC 0-10 V variation.
- Motor has 80% usable turndown vs. 30% on a PSC motor.
- Internal motor circuitry converts 115V single phase AC power to DC voltage for increased efficiencies.
- All motors are rated for continuous duty.
- Motor is 115V and 60 Hz.
- Disconnect is standard.
- Motors ship mounted as standard.

Certifications

- AMCA - the AMCA Seal on all units assures certified rating of air and sound performance.
- cULus - most models are available as listed by Underwriters Laboratories under Standard 705 when specified.



eMotor - Electronically Commutated Motor

S&P's eMotor is 115V and 60 Hz and is available in 1/4, 1/3 and 1/2 HP. This fully controllable motor offers both reliability and low maintenance in one of the most efficient motor fan combinations in the industry.

When used in S&P's eSQD inline fan, the eMotor is the ideal solution for a low cost, fully controlled ventilation system. This motor in the eSQD can move air volumes up to 2,300 CFM, equal to that of a belt drive fan, with all the benefits and low maintenance of a direct drive fan.

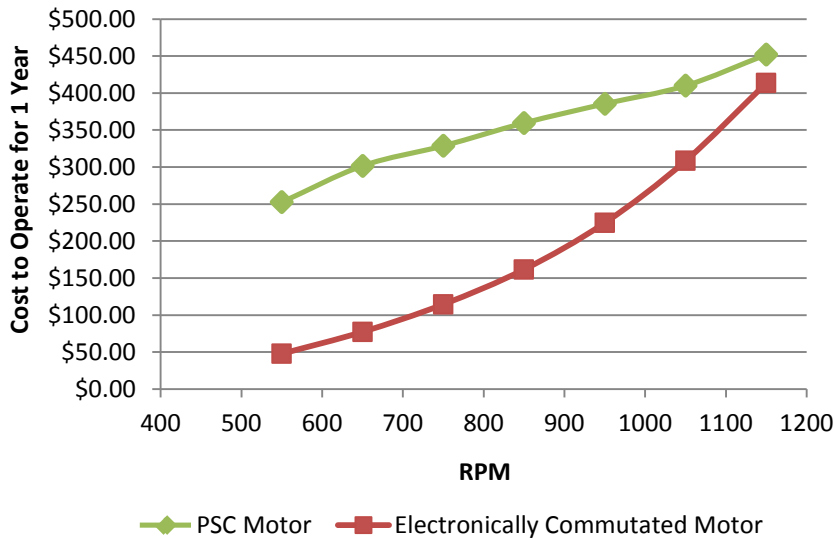


Features and Advantages

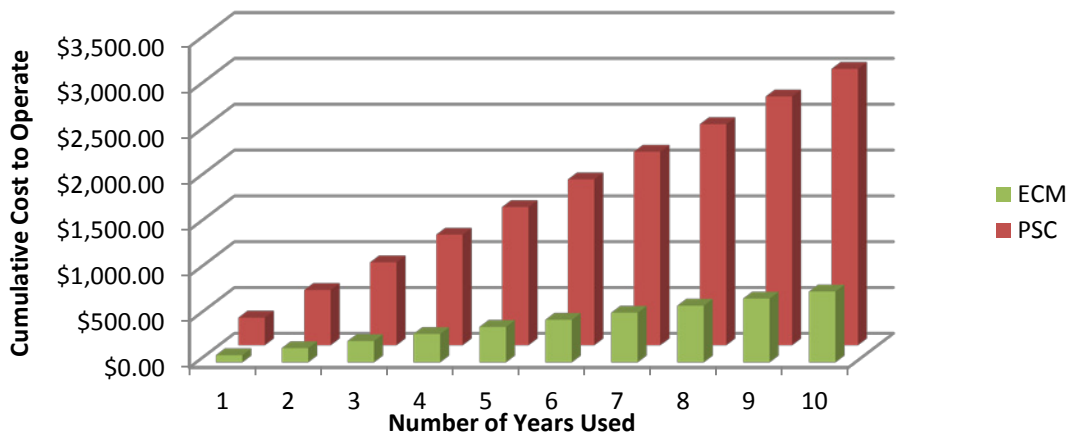
- Motor mounted potentiometer for easy speed adjustment.
- Easy speed control by DC 0-10 V variation.
- Motor has 80% usable turndown vs. 30% on a PSC motor.
- Internal motor circuitry converts 115V single phase AC power to DC voltage for increased efficiencies.
- Motor is 115V and 60 Hz.
- cULus 705 Listing.

Energy Savings = \$ Savings

eSQD with 1/2 HP Motor - Continuous Ventilation



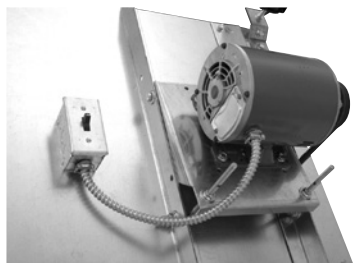
Cost to Operate Motors @ 650 RPM Continuous Ventilation



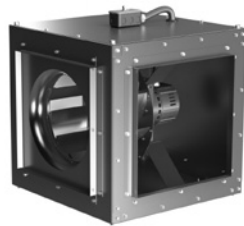


OPTIONS/ACCESSORIES

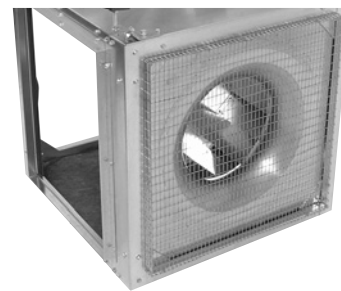
Mounted and Wired Disconnect



Side Discharge



Inlet/Outlet Guard



**Hanging Bracket/
Mounting Foot with
Hanging Spring Isolator**



Hanging Spring Isolators

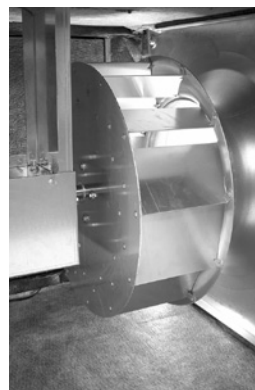


**Hanging Rubber in
Shear Isolators**

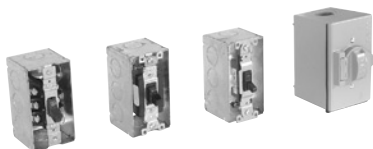
Backdraft Damper



Insulated Housing



Assorted Disconnects



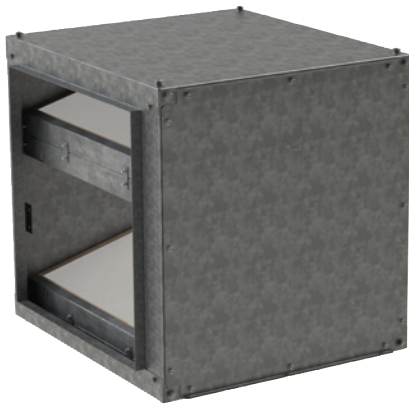
Speed Controls

For SQD models only, not compatible with eSQD



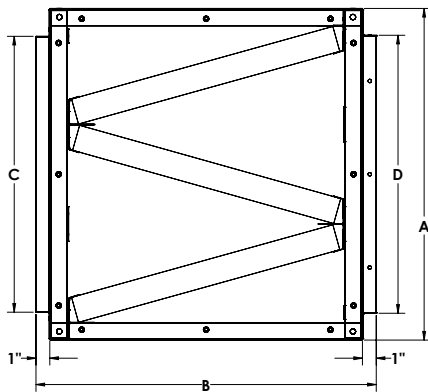


FILTER BOX OPTIONS



Features

- Designed for use with SQD Fans
- Designed to handle 1" or 2" filters
- Galvanized or aluminum construction
- Standard filter is washable aluminum
- MERV 7 (1") or MERV 8 (2") disposable pleated filters available by special quote
- Removable side panels for easy access to filters



Dimensions - Filter Box with 1" Aluminum Filters

Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	1" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
06	12	17-3/16	8-7/8	9	16	8	1	11x14x1
07-08	25	25	11-7/8	12	28	15	2	15x20x1
10	18	24-1/2	13-7/8	14	35	17	2	16x20x1
12	22	29-1/8	15-7/8	16	48	24	2	20x25x1
15	24	24-5/8	19-7/8	20	49	24	3	20x25x1

Dimensions - Filter Box with 2" Aluminum Filters

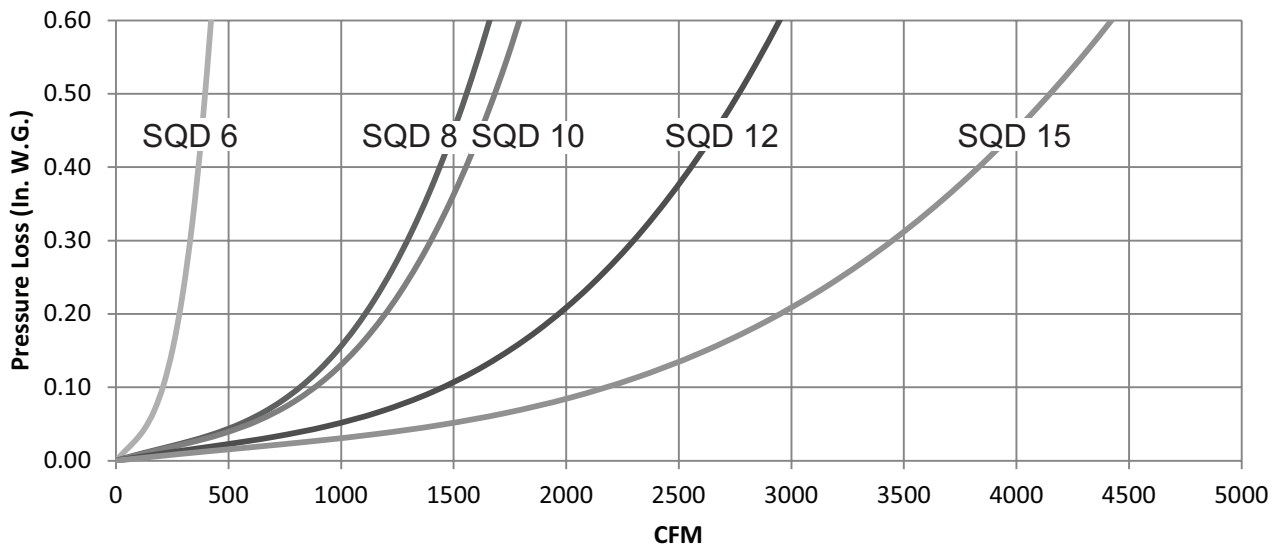
Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	2" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
06	12	17-3/16	8-7/8	9	17	9	1	11x14x2
07-08	25	25	11-7/8	12	29	16	2	15x20x2
10	18	24-1/2	13-7/8	14	37	19	2	16x20x2
12	22	29-1/8	15-7/8	16	52	27	2	20x25x2
15	24	24-5/8	19-7/8	20	51	26	3	20x25x2



FILTER BOX OPTIONS Cont.

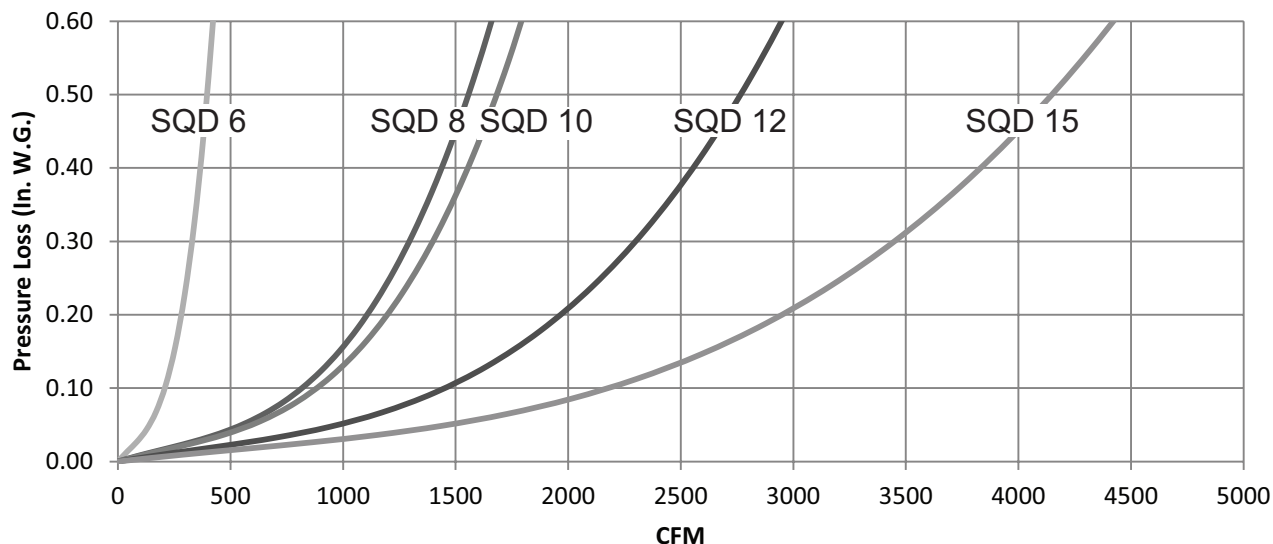
PRESSURE LOSS GUIDE FOR 1" FILTER BOX

Use the estimated pressure drop graphs to help select the proper fan that will deliver the desired airflow. Enter the graph from the bottom at the specified CFM and move vertically upward to the fan curve for the desired size, then horizontally to the left and read the estimated static pressure drop resulting from these typical accessory packages. Add the accessory pressure loss to the system (or building) design static pressure loss to obtain the total static pressure loss to be used for the proper fan selection.



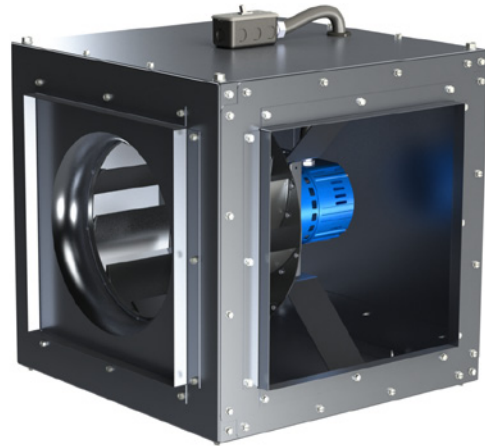
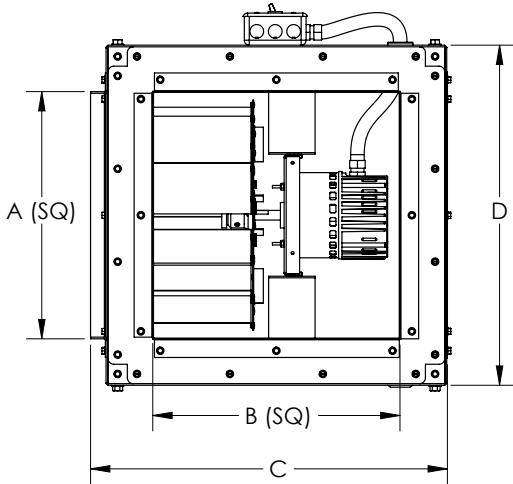
PRESSURE LOSS GUIDE FOR 2" FILTER BOX

Use the estimated pressure drop graphs to help select the proper fan that will deliver the desired airflow. Enter the graph from the bottom at the specified CFM and move vertically upward to the fan curve for the desired size, then horizontally to the left and read the estimated static pressure drop resulting from these typical accessory packages. Add the accessory pressure loss to the system (or building) design static pressure loss to obtain the total static pressure loss to be used for the proper fan selection.





SIDE DISCHARGE OPTION



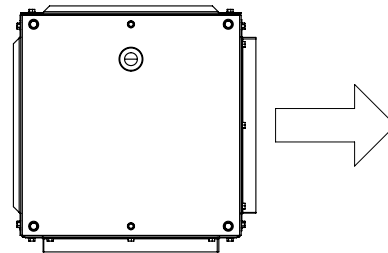
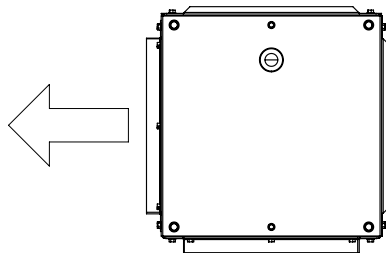
Side Discharge Dimensions

MODEL	A (IN)	B (IN)	C (IN)	D (IN)
SQD 60	8-7/8	8-7/8	13-3/4	13
SQD 610	8-7/8	8-7/8	13-3/4	13
SQD 8125	11-7/8	17-7/8	16-3/4	16
SQD 825	11-7/8	17-7/8	16-3/4	16
SQD 1025	13-7/8	13-7/8	19-3/4	19
SQD 1050	13-7/8	13-7/8	19-3/4	19
SQD 1225	15-7/8	15-7/8	23	23
SQD 1250	15-7/8	15-7/8	23	23
SQD 1550	19-7/8	19-7/8	28-3/8	28

Side Discharge Directions

SIDE DISCHARGE LEFT

SIDE DISCHARGE RIGHT

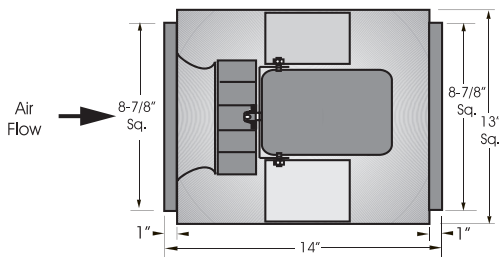


AIRFLOW

AIRFLOW



PERFORMANCE/DIMENSIONS



Unit Specifications

- 18 Ga. galvanized housing.
- Approximate unit weight 30 lbs.
- Aluminum backward inclined wheel.
(SQD 60 has composite wheel)
- Removable access panels.
- Integral inlet & outlet duct collars.
- AMCA Licensed Air & Sound.
- Disconnect switch.
- Universal/any angle mounting.

SQD 60

Motor HP	CFM / Sones @ Static Pressure								RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	
151	93	-	-	-	-	-	-	-	950
	1.9	1.0	-	-	-	-	-	-	
199	162	102	-	-	-	-	-	-	1250
	3.4	2.5	2.2	-	-	-	-	-	
100 WATT 2700 RPM	238	208	174	116	-	-	-	-	1500
	4.6	3.7	3.5	3.4	-	-	-	-	
.95 Max Amps @ 115/60/1	294	269	245	215	170	130	-	-	1850
	6.6	5.6	5.4	5.3	5.2	5.1	-	-	
	334	312	290	268	240	201	158	-	2100
	8.1	7.1	6.8	6.7	6.6	6.5	6.5	-	
	382	362	343	324	304	281	250	176	2400
	10.1	9.2	8.6	8.5	8.5	8.4	8.3	8.3	
	424	406	389	372	355	337	316	257	2700*
	12.0	11.1	10.4	10.3	10.2	10.2	10.1	10.0	

SQD 610

Motor HP	CFM / BHP / Sones @ Static Pressure					RPM
	0	1/8	1/4	3/8	1/2	
198	109	-	-	-	-	950
	.01/2.3	.01/1.8	-	-	-	
229	158	-	-	-	-	1100
	.01/3.3	.01/3.0	-	-	-	
260	200	115	-	-	-	1250
	.01/4.8	.01/4.6	.01/4.1	-	-	
1/10 HP 1550 RPM	291	239	174	-	-	1400
	.01/5.8	.01/5.6	.01/5.2	-	-	
322	276	222	150	-	-	1550
	.02/6.8	.02/6.7	.02/6.3	.02/5.9	-	
343	300	251	190	-	-	1650
	.02/7.5	.02/7.3	.02/7.1	.02/6.7	-	
357	316	269	214	137	-	1710*
	.03/8.0	.03/7.8	.03/7.6	.02/7.2	.02/6.8	



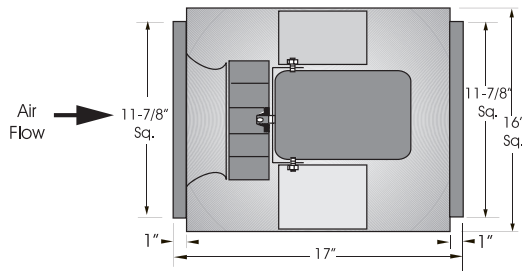
S&P Canada Ventilation Products, Inc., Div. of Soler & Palau Ventilation Group, certifies that the Models SQD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



* Base Unit-AMCA seal for sound Rating does not apply to units with speed control installed.
 + RPM range capable with solid state speed control.
 Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



Unit Specifications

- 18 Ga. galvanized housing.
- Approximate unit weight 60 lbs.
- Aluminum backward inclined wheel.
- Removable access panels.
- Integral inlet & outlet duct collars.
- AMCA Licensed Air & Sound.
- Disconnect switch.
- Universal/any angle mounting.

SQD 8125

Motor HP	CFM / BHP / Sones @ Static Pressure			RPM
	0	1/8	1/4	
1/25 HP 1050 RPM	329	149	-	700
	.01/1.6	.01/1.0	-	
	376	235	-	800
	.01/2.5	.02/1.8	-	
	423	304	-	900
	.02/3.3	.02/2.7	-	
	446	336	164	950
	.03/3.8	.03/3.1	.02/2.7	
	470	336	221	1000
	.03/4.2	.03/3.6	.03/3.1	
493	396	267	1050	
.03/4.7	.03/4.1	.03/3.6		
503	407	284	1070*	
.04/4.9	.04/4.3	.04/3.8		

SQD 825 / eSQD 825

Motor HP	CFM / BHP / Sones @ Static Pressure							RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	
1/4 HP 1625 RPM	352	202	-	-	-	-	-	750
	.01/2.2	.01/1.6	-	-	-	-	-	
	423	308	-	-	-	-	-	900
	.03/3.4	.03/2.8	-	-	-	-	-	
	493	398	276	-	-	-	-	1050
	.04/4.7	.04/4.1	.04/3.8	-	-	-	-	
	564	482	388	259	-	-	-	1200
	.06/6.4	.06/5.7	.06/5.4	.06/5.1	-	-	-	
	658	588	514	427	313	-	-	1400
	.09/8.3	.09/7.6	.09/7.2	.09/7.0	.09/6.7	-	-	
728	665	600	528	444	335	-	1550	
.13/9.6	.13/9.0	.13/8.5	.13/8.3	.13/8.0	.13/7.8	-		
820	763	706	646	580	504	412	1740*	
.18/11.7	.18/11.1	.18/10.5	.18/10.3	.18/10.0	.18/9.8	.18/9.6		



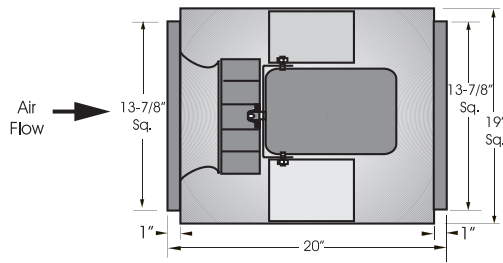
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* Base Unit-AMCA seal for sound Rating does not apply to units with speed control installed.
 + RPM range capable with solid state speed control.
 Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



Unit Specifications

- 18 Ga. galvanized housing.
- Approximate unit weight 75 lbs.
- Aluminum backward inclined wheel.
- Removable access panels.
- Integral inlet & outlet duct collars.
- AMCA Licensed Air & Sound.
- Disconnect switch.
- Universal/any angle mounting.

SQD 1025

Motor HP	CFM / BHP / Sones @ Static Pressure					RPM
	0	1/8	1/4	3/8	1/2	
1/4 HP 1075 RPM	562	305	-	-	-	600
	.02/2.3	.02/1.5	-	-	-	
	655	451	-	-	-	700
	.04/3.3	.04/2.7	-	-	-	
	749	575	-	-	-	800
	.05/4.5	.05/3.9	-	-	-	
	842	692	514	-	-	900
	.08/5.8	.08/5.2	.08/4.5	-	-	
	936	804	651	434	-	1000
	.10/7.1	.11/6.6	.11/6.0	.10/5.2	-	
983	858	714	547	-	1050	
.12/7.8	.12/7.2	.12/6.8	.12/6.0	-		
1076	964	836	698	473	1150*	
.16/9.2	.16/8.7	.16/8.3	.16/7.7	.16/7.0		

SQD 1050 / eSQD 1050

Motor HP	CFM / BHP / Sones @ Static Pressure								RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	
1/2 HP 1625 RPM	553	292	-	-	-	-	-	-	600
	.02/2.2	.02/1.5	-	-	-	-	-	-	
	738	567	321	-	-	-	-	-	800
	.04/4.2	.04/3.5	.03/3.1	-	-	-	-	-	
	968	845	703	524	-	-	-	-	1050
	.08/7.1	.09/6.4	.09/6.0	.08/5.6	-	-	-	-	
	1106	1000	883	748	584	-	-	-	1200
	.13/9.1	.13/8.5	.13/8.1	.13/7.7	.12/7.3	-	-	-	
	1245	1151	1050	940	815	667	-	-	1350
	.18/11.0	.19/10.5	.19/10.1	.19/9.6	.18/9.3	.18/8.9	-	-	
1337	1250	1158	1058	949	826	680	-	1450	
.22/12.3	.23/11.7	.23/11.2	.23/10.9	.23/10.6	.22/10.2	.21/9.9	-		
1521	1445	1366	1283	1194	1098	993	740	1650	
.33/15.2	.34/14.5	.34/13.9	.34/13.6	.34/13.2	.34/12.9	.33/12.6	.31/12.0		
1578	1505	1430	1350	1266	1175	1078	852	1710*	
.37/16.2	.38/15.4	.38/14.7	.38/14.4	.38/14.1	.38/13.8	.38/13.5	.36/13.0		

* Base Unit-AMCA seal for sound Rating does not apply to units with speed control installed.
+ RPM range capable with solid state speed control.
Speed (RPM) shown is nominal. Performance is based on actual speed of test.

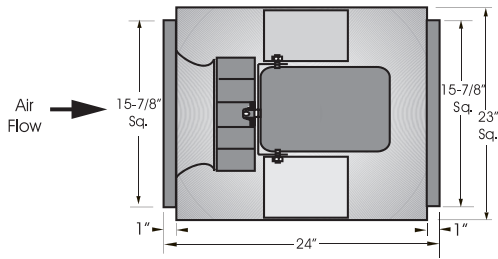
Performance certified is for installation type B - free inlet, ducted outlet.
Power Ratings (BHP) does not include drive losses.
Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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Unit Specifications

- 18 Ga. galvanized housing.
- Approximate unit weight 90 lbs.
- Aluminum backward inclined wheel.
- Removable access panels.
- Integral inlet & outlet duct collars.
- AMCA Licensed Air & Sound.
- Disconnect switch.
- Universal/any angle mounting.

SQD 1225

Motor HP	CFM / BHP / Sones @ Static Pressure					RPM
	0	1/8	1/4	3/8	1/2	
1/4 HP 1075 RPM	920	599	-	-	-	650
	.04/3.7	.04/3.0	-	-	-	
	1132	878	595	-	-	800
	.07/5.7	.07/5.0	.07/4.4	-	-	
	1273	1051	809	529	-	900
	.10/7.2	.10/6.5	.10/6.0	.09/5.2	-	
	1415	1216	1003	774	-	1000
	.13/8.8	.13/8.1	.13/7.6	.13/7.0	-	
	1486	1297	1096	883	640	1050
	.15/9.6	.15/9.0	.16/8.4	.15/7.9	.15/7.2	
1557	1377	1187	986	767	1100	
.17/10.5	.18/9.9	.18/9.3	.18/8.8	.17/8.1		
1586	1410	1224	1028	817	1120*	
.18/10.9	.19/10.3	.19/9.7	.19/9.2	.19/8.5		

SQD 1250 / eSQD 1275

Motor HP	CFM / BHP / Sones @ Static Pressure								RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	
1/2 HP 1625 RPM	867	500	-	-	-	-	-	-	600
	.02/3.0	.03/2.4	-	-	-	-	-	-	
	1156	882	592	-	-	-	-	-	800
	.06/5.4	.06/4.8	.06/4.4	-	-	-	-	-	
	1373	1129	920	654	-	-	-	-	950
	.10/7.3	.11/6.8	.11/6.4	.10/6.1	-	-	-	-	
	1517	1287	1106	890	651	-	-	-	1050
	.13/8.7	.14/8.2	.15/7.8	.15/7.4	.14/7.2	-	-	-	
	1878	1673	1526	1380	1215	1020	825	-	1300
	.25/12.7	.26/12.2	.27/11.9	.28/11.5	.28/11.2	.28/10.8	.26/10.5	-	
2168	1975	1844	1719	1591	1451	1292	950	1500	
.39/16.4	.40/16.0	.41/15.6	.42/15.2	.43/14.9	.44/14.6	.43/14.3	.40/13.7		
2344	2159	2033	1918	1802	1680	1548	1237	1620*	
.49/18.4	.50/18.0	.51/17.7	.53/17.3	.54/16.9	.55/16.7	.55/16.4	.54/15.8		

* Base Unit-AMCA seal for sound Rating does not apply to units with speed control installed.
 + RPM range capable with solid state speed control.
 Speed (RPM) shown is nominal. Performance is based on actual speed of test.

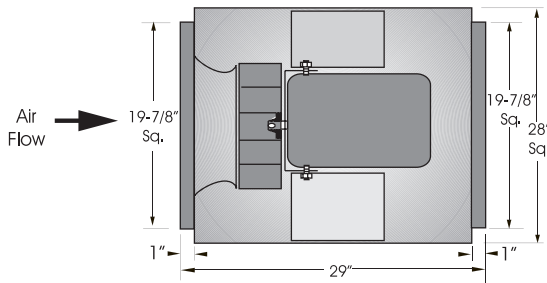
Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



S&P Canada Ventilation Products, Inc., Div. of Soler & Palau Ventilation Group, certifies that the Models SQD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Unit Specifications

- 18 Ga. galvanized housing.
- Approximate unit weight 120 lbs.
- Aluminum backward inclined wheel.
- Removable access panels.
- Integral inlet & outlet duct collars.
- AMCA Licensed Air & Sound.
- Disconnect switch.
- Universal/any angle mounting.

SQD 1550

Motor HP	CFM / BHP / Sones @ Static Pressure							RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	
1/2 HP 1075 RPM	1348	847	-	-	-	-	-	500
	.05/3.8	.05/3.1	-	-	-	-	-	
	1618	1187	797	-	-	-	-	600
	.09/5.5	.09/4.8	.08/4.3	-	-	-	-	
	1887	1517	1174	793	-	-	-	700
	.14/7.2	.14/6.6	.14/6.1	.12/5.8	-	-	-	
	2157	1839	1515	1233	833	-	-	800
	.22/9.2	.22/8.6	.21/8.0	.20/7.7	.18/7.4	-	-	
	2426	2152	1849	1585	1335	994	-	900
	.31/11.5	.31/10.8	.31/10.2	.30/9.8	.29/9.5	.26/9.2	-	
2696	2456	2178	1924	1695	1469	1187	1000	
.42/14.0	.42/13.4	.42/12.7	.42/12.2	.41/11.8	.39/11.5	.37/11.2		
2879	2658	2399	2151	1928	1719	1501	1060*	
.51/15.8	.51/15.2	.51/14.6	.51/14.1	.51/13.7	.49/13.3	.47/13.0		

* Base Unit-AMCA seal for sound Rating does not apply to units with speed control installed.
 + RPM range capable with solid state speed control.
 Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



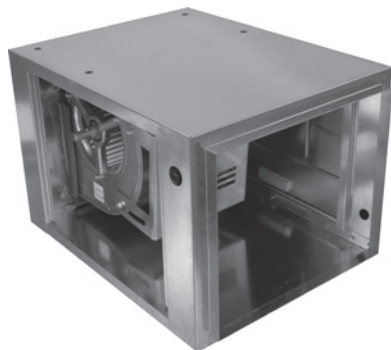
S&P Canada Ventilation Products, Inc. Div. of Soler & Palau Ventilation Group, certifies that the Models SQD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





MODEL CFD

Forward Curved Belt Driven Inline Duct Blower



MODEL FEATURES

- Rated up to 5,800 CFM in static pressure applications up to 2-1/2" w.g.
- 5 sizes ranging from 7 to 15
- Single DWDI forward curved blower assembly with the motor located in the air stream
- Belt drives permit easy performance adjustments when needed
- Can be used in both horizontal & vertical air flow positions
- Removable access panels provide easy access for service
- AMCA Air & Sound Certified
- cULus Listed

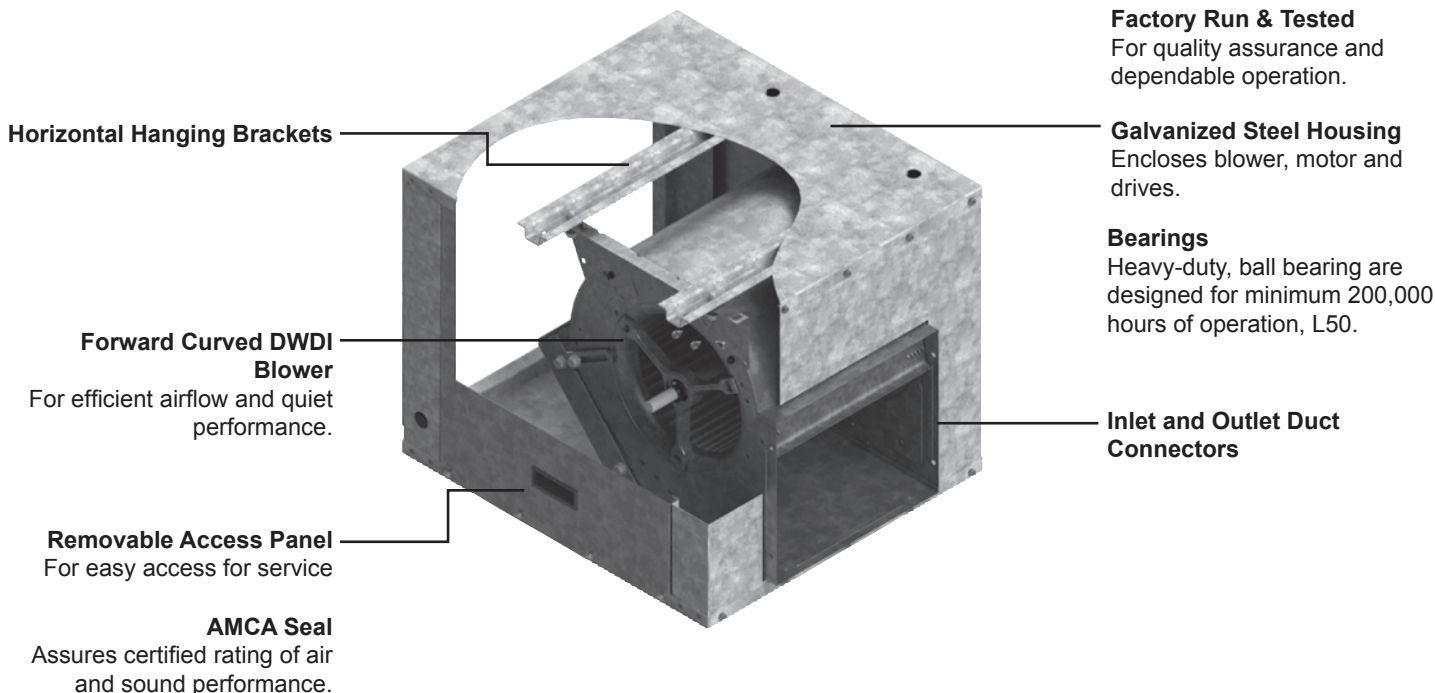
MODEL OVERVIEW


S&P's Forward Curved Belt Driven Inline Duct Blowers are designed for supply, exhaust or ducted return applications. The CFD is an economical fan model designed to run quietly and efficiently in cooling, heating, and ventilating applications.

The CFD was designed with several features to make life easier for the user. These features include: removable access panels with handles, adjustable motor pulleys for easy field adjusting, tight seals, and hanging rod connections.

A wide range of accessories and motors are available to meet special applications. These include: totally enclosed and two speed motors. Some of the accessory options available are: filter housings, hanging and floor mount isolators and insulated housings.

STANDARD CONSTRUCTION FEATURES



cULus 705 Listed
For electrical reliability.  us

2 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.



CONSTRUCTION/SPECIFICATION CHECKLIST

Fan Housing

- Statically and dynamically balanced forward curved wheel
- 12-gauge galvanized steel blower plate/discharge opening
- 18-gauge galvanized steel housing
- Prepunched mounting holes
- Conduit opening for wiring from below unit

Drives

- Adjustable motor pulleys are standard
- Sized for minimum 150% of drive horsepower
- Machined cast iron adjustable motor pulleys
- Pivoting motor plate for belt tensioning
- Nonstatic oil resistant V-belts

Bearings

- Heavy-duty bearings are designed for minimum 200,000 hour life, L50
- Bearings are sealed and prelubricated

Motors

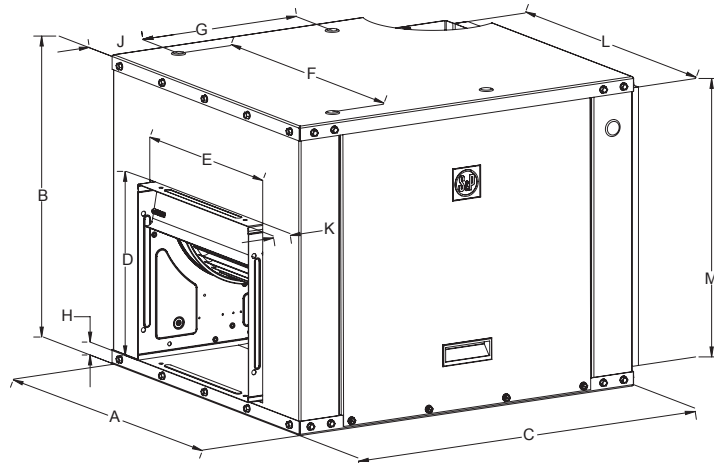
- 1 year warranty.
- Brands are nationally recognized and locally serviced
- Single speed open drip-proof are standard
- Totally enclosed and two-speed motors are available
- All motors are rated for continuous duty
- 182T and larger motors shipped unmounted for field installation
- Disconnect switch standard with single speed drip-proof and totally enclosed motor

Certifications

- AMCA Air and Sound Certified
- cULus 705 Listed

Entire Fan Unit

- Factory assembled and tested prior to shipment for quality assurance



Dimensional Data

Dimensions in Inches

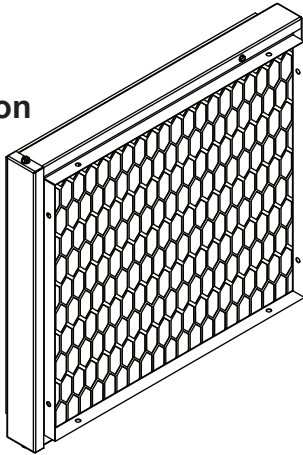
Model	A	B	C	D	E	F	G	H	J	K	L	M	Shaft (MM/IN)	WT (LBS)
7	18	15-3/8	23	8-1/4	9-1/4	14	7-11/16	1-1/4	1-7/8	5/8	15-7/8	13-3/8	20/.75	43
9	21	18	23	10-1/4	11-13/16	17	10-1/4	1-1/4	3-1/8	7/8	19	16	20/.75	55
10	22-1/4	20	24-3/4	11-1/4	13-1/8	18-1/4	11-3/8	1-1/4	3-11/16	15/16	20-1/4	18	20/.75	65
12	27	23	27-1/2	13-7/16	15-5/8	23	13-1/8	1-1/4	2-3/4	1-1/4	25	21	25/1	82
15	33-1/2	28	32	15-7/8	18-5/8	29-1/2	17-11/16	2-5/8	3	1	30-1/2	25	25/1	140

Metric Shafts have 'H' bushings installed to accommodate common pulleys



OPTIONS/ACCESSORIES

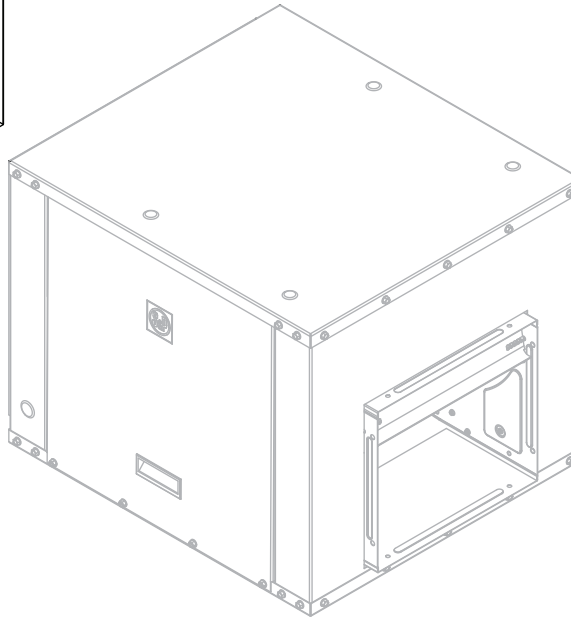
Filter Section



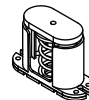
Rubber Isolator (Hanging)



Spring Isolator (Hanging)



Rubber Isolator (Floor)



Spring Isolator (Floor)

Hanging & Floor Brackets: For base or ceiling mounting. Neoprene and spring isolators are available.

Filter Section: For applications with dusty or dirt laden air. The filters are easily removable for cleaning.

Insulated Housing: Used for condensation control or noise reduction.

Disconnect Switch: Nonfused safety disconnect available for all motor sizes and enclosures. Specify prewired if desired. (Wiring not available on explosion proof and two speed motors).



Filter Section

Special Coatings: For protective and decorative purposes. Available coatings include: Epoxy, Synthetic Resin and Heresite (air-dried phenolic). Contact your representative or the factory for more information on available coatings and colors.



PERFORMANCE DATA

CFD07

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	467	507	0.01	706	0.03	856	0.04	980	0.05	1088	0.07	1184	0.09	1354	0.13	1502	0.17	1634	0.21	1756	0.26	1869	0.31	1975	0.36	2074	0.42
300	701	530	0.02	719	0.03	872	0.05	1001	0.07	1114	0.09	1214	0.11	1391	0.16	1544	0.2	1682	0.26	1807	0.31	1923	0.37	2031	0.43	2133	0.49
400	934	579	0.03	741	0.05	886	0.06	1013	0.09	1127	0.11	1230	0.13	1412	0.19	1571	0.24	1712	0.3	1841	0.36	1960	0.42	2071	0.49	2176	0.56
500	1168	645	0.04	783	0.06	912	0.08	1031	0.11	1141	0.13	1242	0.16	1425	0.22	1586	0.28	1731	0.34	1863	0.41	1985	0.48	2099	0.56	2206	0.63
600	1401	720	0.06	840	0.08	953	0.11	1061	0.13	1163	0.16	1260	0.19	1438	0.25	1598	0.32	1744	0.39	1878	0.47	2002	0.54	2118	0.62	2227	0.71
700	1635	801	0.09	907	0.11	1007	0.14	1104	0.17	1197	0.2	1287	0.23	1456	0.29	1612	0.37	1756	0.45	1890	0.53	2015	0.61	2132	0.7	-	-
800	1868	885	0.12	981	0.15	1071	0.18	1158	0.21	1243	0.24	1325	0.27	1483	0.34	1632	0.42	1772	0.5	1903	0.59	2027	0.68	2144	0.77	-	-
900	2102	972	0.17	1059	0.2	1141	0.23	1221	0.26	1298	0.29	1374	0.33	1520	0.4	1660	0.49	1793	0.57	1920	0.66	2041	0.76	-	-	-	-
1000	2335	1061	0.22	1141	0.26	1217	0.29	1290	0.32	1361	0.36	1430	0.4	1566	0.48	1697	0.56	1823	0.65	1944	0.74	-	-	-	-	-	-
1100	2569	1150	0.29	1225	0.33	1296	0.36	1363	0.4	1429	0.44	1494	0.48	1620	0.56	1742	0.65	1861	0.74	-	-	-	-	-	-	-	-
1200	2802	1241	0.37	1311	0.41	1377	0.45	1440	0.49	1502	0.53	1562	0.57	1679	0.66	1794	0.75	-	-	-	-	-	-	-	-	-	-
1300	3036	1333	0.46	1398	0.51	1460	0.55	1520	0.59	1577	0.63	1634	0.68	1744	0.77	-	-	-	-	-	-	-	-	-	-	-	-
1400	3270	1426	0.57	1487	0.62	1545	0.66	1601	0.71	1655	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500	3503	1519	0.69	1576	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CFD09

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
500	749	442	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
600	899	455	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700	1049	481	0.06	624	0.1	-	-	-	-	-	-	-	-	-	-	-	-
800	1199	513	0.08	634	0.12	-	-	-	-	-	-	-	-	-	-	-	-
900	1349	550	0.1	655	0.14	766	0.2	-	-	-	-	-	-	-	-	-	-
1000	1499	588	0.13	683	0.17	780	0.23	883	0.3	-	-	-	-	-	-	-	-
1100	1648	628	0.16	715	0.21	801	0.26	891	0.33	987	0.41	-	-	-	-	-	-
1200	1798	669	0.2	751	0.25	829	0.31	909	0.37	993	0.45	-	-	-	-	-	-
1300	1948	711	0.25	788	0.3	860	0.36	933	0.42	1008	0.5	1086	0.58	-	-	-	-
1400	2098	753	0.31	826	0.36	894	0.42	962	0.48	1030	0.55	1100	0.64	1248	0.83	-	-
1500	2248	795	0.37	866	0.43	930	0.49	993	0.55	1056	0.62	1120	0.7	1254	0.89	1397	1.12
1600	2398	838	0.44	906	0.5	968	0.56	1027	0.63	1086	0.7	1145	0.78	1267	0.96	-	-
1700	2548	881	0.51	947	0.58	1006	0.65	1063	0.72	1118	0.79	1173	0.87	1286	1.05	-	-
1800	2697	924	0.6	989	0.67	1046	0.74	1100	0.82	1152	0.89	1204	0.97	-	-	-	-
1900	2847	967	0.7	1031	0.77	1086	0.85	1138	0.93	1188	1	1237	1.09	-	-	-	-
2000	2997	1010	0.8	1073	0.89	1127	0.97	1176	1.05	1225	1.13	-	-	-	-	-	-
2100	3147	1054	0.92	1115	1.01	1167	1.09	-	-	-	-	-	-	-	-	-	-
2200	3297	1098	1.05	1158	1.14	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.



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CFD10

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
400	474	372	0.02	512	0.04	617	0.07	707	0.09	785	0.12	856	0.15	982	0.21	1093	0.28	1193	0.36	1286	0.44	1371	0.52	1452	0.61	1528	0.71
500	593	380	0.03	521	0.05	627	0.08	718	0.1	795	0.13	866	0.17	992	0.23	1103	0.31	1204	0.39	1296	0.47	1382	0.56	1463	0.66	1539	0.76
600	711	389	0.04	529	0.06	637	0.09	728	0.12	807	0.15	877	0.19	1003	0.26	1114	0.34	1214	0.42	1307	0.51	1392	0.61	1473	0.71	1549	0.81
700	830	398	0.04	537	0.07	645	0.11	735	0.14	816	0.17	886	0.21	1014	0.29	1124	0.37	1226	0.46	1317	0.56	1403	0.66	1483	0.76	1560	0.87
800	949	408	0.05	546	0.09	653	0.12	744	0.16	825	0.2	897	0.24	1024	0.32	1134	0.41	1234	0.51	1327	0.61	1413	0.71	1494	0.82	1570	0.93
900	1067	420	0.06	554	0.1	662	0.14	752	0.18	832	0.22	904	0.27	1033	0.36	1144	0.45	1246	0.55	1339	0.66	1423	0.77	1504	0.88	1580	0.99
1000	1186	435	0.08	563	0.12	670	0.16	761	0.21	841	0.25	913	0.3	1042	0.4	1153	0.5	1254	0.6	1348	0.71	1435	0.83	1514	0.94	1590	1.07
1100	1304	452	0.1	574	0.14	679	0.18	769	0.23	849	0.28	921	0.33	1049	0.44	1162	0.54	1265	0.66	1358	0.77	1444	0.89	1524	1.01	-	-
1200	1423	472	0.11	585	0.16	688	0.21	777	0.26	857	0.31	930	0.37	1058	0.48	1171	0.59	1274	0.71	1367	0.83	1454	0.96	1535	1.09	-	-
1300	1541	493	0.14	598	0.18	697	0.24	786	0.29	866	0.35	938	0.41	1066	0.53	1179	0.65	1281	0.77	1376	0.9	1463	1.03	-	-	-	-
1400	1660	513	0.16	613	0.21	708	0.27	795	0.33	874	0.39	946	0.45	1075	0.57	1188	0.7	1290	0.83	1383	0.97	1470	1.11	-	-	-	-
1500	1779	536	0.19	631	0.24	720	0.3	805	0.36	883	0.43	955	0.49	1083	0.63	1196	0.76	1298	0.9	1392	1.04	-	-	-	-	-	-
1600	1897	561	0.22	649	0.28	733	0.34	816	0.4	893	0.47	964	0.54	1091	0.68	1204	0.82	1307	0.97	1400	1.12	-	-	-	-	-	-
1700	2016	586	0.26	667	0.31	748	0.38	828	0.44	903	0.52	973	0.59	1100	0.74	1213	0.89	1315	1.04	-	-	-	-	-	-	-	-
1800	2134	612	0.3	688	0.36	764	0.42	840	0.49	914	0.57	982	0.64	1108	0.8	1221	0.96	1323	1.12	-	-	-	-	-	-	-	-
1900	2253	638	0.34	708	0.4	783	0.47	854	0.54	925	0.62	993	0.7	1117	0.86	1229	1.03	-	-	-	-	-	-	-	-	-	-
2000	2371	665	0.39	730	0.45	801	0.53	869	0.6	938	0.68	1004	0.76	1127	0.93	1238	1.11	-	-	-	-	-	-	-	-	-	-
2100	2490	692	0.45	754	0.51	821	0.58	886	0.66	952	0.74	1016	0.83	1137	1.01	-	-	-	-	-	-	-	-	-	-	-	-
2200	2608	720	0.51	778	0.58	841	0.65	905	0.73	966	0.81	1029	0.9	1147	1.08	-	-	-	-	-	-	-	-	-	-	-	-
2300	2727	747	0.58	802	0.64	861	0.72	923	0.8	982	0.88	1042	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2400	2846	776	0.65	828	0.72	883	0.79	941	0.88	999	0.96	1057	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500	2964	804	0.73	853	0.8	906	0.88	961	0.96	1017	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2600	3083	832	0.82	879	0.89	929	0.97	982	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2700	3201	861	0.91	906	0.98	954	1.06	1004	1.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2800	3320	889	1.01	933	1.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2900	3438	918	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.



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CFD12

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
800	678	345	0.05	475	0.09	573	0.13	654	0.18	724	0.23	787	0.28	896	0.39	992	0.51	1077	0.64	1155	0.77	1228	0.91	1296	1.05	1360	1.2
900	763	349	0.06	478	0.1	578	0.15	660	0.2	731	0.25	795	0.31	906	0.43	1003	0.55	1089	0.69	1168	0.82	1241	0.97	1309	1.12	1374	1.27
1000	848	351	0.06	481	0.11	582	0.16	666	0.22	738	0.27	802	0.34	915	0.46	1012	0.59	1100	0.73	1179	0.88	1253	1.03	1322	1.19	1387	1.35
1100	932	357	0.07	484	0.12	585	0.18	670	0.24	743	0.3	809	0.36	923	0.5	1021	0.64	1109	0.78	1190	0.94	1264	1.1	1333	1.26	1399	1.43
1200	1017	365	0.08	489	0.14	588	0.19	674	0.26	748	0.32	814	0.39	929	0.53	1029	0.68	1118	0.84	1199	1	1274	1.16	1344	1.33	1410	1.51
1300	1102	374	0.1	492	0.15	591	0.21	677	0.28	752	0.35	819	0.42	935	0.57	1036	0.73	1126	0.89	1208	1.05	1284	1.23	1354	1.41	-	-
1400	1187	384	0.11	495	0.17	596	0.23	680	0.3	755	0.38	823	0.45	941	0.61	1043	0.77	1134	0.94	1216	1.12	1292	1.3	1364	1.48	-	-
1500	1272	398	0.13	501	0.19	600	0.25	684	0.33	758	0.4	826	0.48	945	0.65	1048	0.82	1140	0.99	1224	1.18	1300	1.36	1372	1.56	-	-
1600	1356	415	0.15	508	0.21	603	0.28	688	0.35	761	0.43	829	0.52	949	0.69	1053	0.87	1146	1.05	1230	1.24	1308	1.44	-	-	-	-
1700	1441	425	0.17	516	0.23	606	0.3	691	0.38	764	0.46	832	0.55	953	0.73	1058	0.91	1151	1.11	1236	1.3	1314	1.51	-	-	-	-
1800	1526	435	0.2	525	0.26	612	0.33	695	0.41	769	0.5	835	0.59	956	0.77	1062	0.97	1156	1.17	1242	1.37	1321	1.58	-	-	-	-
1900	1611	450	0.22	535	0.29	618	0.36	699	0.45	772	0.53	840	0.63	959	0.82	1065	1.02	1160	1.23	1247	1.44	1326	1.66	-	-	-	-
2000	1695	465	0.25	545	0.32	625	0.4	702	0.48	776	0.57	844	0.67	962	0.87	1068	1.07	1164	1.29	1251	1.51	-	-	-	-	-	-
2100	1780	481	0.29	557	0.36	633	0.43	707	0.52	779	0.61	848	0.71	965	0.91	1071	1.13	1167	1.35	1255	1.58	-	-	-	-	-	-
2200	1865	496	0.32	571	0.4	642	0.47	714	0.56	783	0.66	851	0.76	969	0.97	1074	1.19	1171	1.42	1259	1.65	-	-	-	-	-	-
2300	1950	513	0.36	585	0.44	652	0.52	721	0.61	788	0.7	853	0.81	973	1.02	1077	1.25	1174	1.48	-	-	-	-	-	-	-	-
2400	2034	529	0.4	597	0.48	662	0.56	729	0.66	794	0.75	857	0.86	978	1.08	1080	1.31	1177	1.55	-	-	-	-	-	-	-	-
2500	2119	546	0.45	609	0.52	674	0.61	738	0.71	801	0.81	862	0.91	982	1.14	1085	1.38	1179	1.63	-	-	-	-	-	-	-	-
2600	2204	563	0.5	624	0.57	685	0.67	747	0.76	808	0.87	868	0.97	985	1.2	1089	1.45	-	-	-	-	-	-	-	-	-	-
2700	2289	580	0.55	638	0.62	701	0.73	757	0.82	817	0.93	875	1.04	989	1.27	1093	1.52	-	-	-	-	-	-	-	-	-	-
2800	2373	597	0.61	653	0.7	715	0.79	768	0.89	825	0.99	882	1.1	991	1.34	1097	1.6	-	-	-	-	-	-	-	-	-	-
2900	2458	615	0.67	669	0.76	729	0.86	779	0.96	835	1.06	890	1.17	996	1.42	-	-	-	-	-	-	-	-	-	-	-	-
3000	2543	632	0.74	684	0.83	740	0.93	791	1.03	845	1.14	898	1.25	1002	1.5	-	-	-	-	-	-	-	-	-	-	-	-
3100	2628	650	0.81	700	0.9	752	1	806	1.1	855	1.21	907	1.33	1009	1.58	-	-	-	-	-	-	-	-	-	-	-	-
3200	2713	668	0.88	716	0.98	766	1.08	821	1.19	866	1.3	917	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3300	2797	685	0.96	733	1.06	781	1.16	834	1.27	878	1.39	927	1.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3400	2882	703	1.05	749	1.15	796	1.25	846	1.36	890	1.48	937	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3500	2967	721	1.14	766	1.24	811	1.35	857	1.46	906	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3600	3052	740	1.23	783	1.34	826	1.45	871	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3700	3136	758	1.33	800	1.44	842	1.55	885	1.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3800	3221	776	1.44	817	1.55	858	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3900	3306	794	1.55	834	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	3391	813	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.



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CFD15

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1700	1039	283	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	1100	289	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	1161	295	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	1222	302	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2100	1283	310	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2200	1345	318	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2300	1406	326	0.2	396	0.27	-	-	-	-	-	-	-	-	-	-	-	-
2400	1467	335	0.22	401	0.29	-	-	-	-	-	-	-	-	-	-	-	-
2500	1528	344	0.25	406	0.31	-	-	-	-	-	-	-	-	-	-	-	-
2600	1589	354	0.27	412	0.34	-	-	-	-	-	-	-	-	-	-	-	-
2700	1650	363	0.3	418	0.37	-	-	-	-	-	-	-	-	-	-	-	-
2800	1711	373	0.33	425	0.4	-	-	-	-	-	-	-	-	-	-	-	-
2900	1772	383	0.36	433	0.43	489	0.52	549	0.62	-	-	-	-	-	-	-	-
3000	1834	393	0.4	441	0.47	494	0.55	551	0.65	-	-	-	-	-	-	-	-
3100	1895	403	0.44	449	0.5	499	0.59	554	0.69	-	-	-	-	-	-	-	-
3200	1956	414	0.48	457	0.54	505	0.62	558	0.73	-	-	-	-	-	-	-	-
3300	2017	424	0.52	466	0.58	512	0.67	562	0.77	615	0.88	-	-	-	-	-	-
3400	2078	434	0.56	475	0.63	519	0.71	567	0.81	618	0.93	-	-	-	-	-	-
3500	2139	445	0.61	484	0.68	526	0.76	572	0.86	621	0.98	672	1.1	-	-	-	-
3600	2200	456	0.66	493	0.72	534	0.81	578	0.91	625	1.03	674	1.15	-	-	-	-
3700	2261	466	0.71	502	0.78	542	0.86	584	0.96	629	1.08	676	1.22	-	-	-	-
3800	2322	477	0.77	512	0.83	550	0.92	590	1.02	634	1.14	679	1.26	770	1.54	-	-
3900	2384	488	0.82	522	0.89	558	0.98	597	1.08	639	1.19	683	1.33	774	1.6	-	-
4000	2445	499	0.88	532	0.96	567	1.04	604	1.14	645	1.25	687	1.39	775	1.66	-	-
4100	2506	510	0.95	541	1.02	575	1.11	612	1.21	651	1.32	691	1.45	777	1.73	-	-
4200	2567	521	1.02	552	1.09	585	1.17	620	1.28	657	1.39	696	1.52	779	1.8	-	-
4300	2628	532	1.09	562	1.17	594	1.25	628	1.35	664	1.46	701	1.58	781	1.88	-	-
4400	2689	543	1.16	572	1.24	603	1.32	636	1.42	671	1.54	707	1.66	785	1.96	865	2.27
4500	2750	554	1.24	582	1.32	612	1.4	644	1.5	678	1.62	713	1.74	788	2.03	867	2.35
4600	2811	565	1.31	593	1.4	622	1.48	653	1.59	685	1.7	720	1.82	792	2.11	869	2.43
4700	2873	576	1.4	603	1.48	632	1.57	662	1.67	693	1.79	726	1.91	796	2.2	871	2.52
4800	2934	587	1.48	614	1.57	641	1.66	670	1.76	701	1.94	733	2	801	2.28	873	2.61
4900	2995	599	1.58	624	1.66	651	1.75	679	1.86	709	2.03	740	2.1	806	2.38	876	2.71
5000	3056	610	1.67	635	1.76	661	1.85	689	1.95	718	2.13	748	2.19	812	2.47	880	2.81
5100	3117	621	1.77	645	1.86	671	1.95	698	2.05	726	2.23	755	2.3	818	2.58	884	2.91
5200	3178	632	1.87	656	1.97	681	2.05	707	2.16	735	2.35	763	2.4	824	2.68	888	3.01
5300	3239	644	1.98	667	2.07	691	2.16	717	2.27	744	2.39	771	2.51	830	2.79	893	3.12
5400	3300	655	2.09	678	2.19	702	2.28	727	2.38	753	2.5	780	2.63	837	2.91	898	3.23
5500	3361	666	2.2	689	2.3	712	2.4	736	2.5	762	2.62	788	2.75	844	3.03	-	-
5600	3423	677	2.32	699	2.42	722	2.52	746	2.62	771	2.74	797	2.87	851	3.15	-	-
5700	3484	689	2.44	710	2.55	733	2.65	756	2.75	780	2.87	805	3	-	-	-	-
5800	3545	700	2.57	721	2.67	743	2.78	766	2.88	790	3	814	3.13	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.



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SOUND DATA

CFD07

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
500	2	-	-	-	-	-	-	-	-	-	-	-	-
600	3.8	-	-	-	-	-	-	-	-	-	-	-	-
700	5.5	4.3	-	-	-	-	-	-	-	-	-	-	-
800	7.4	6.2	5.3	-	-	-	-	-	-	-	-	-	-
900	11.3	8.2	7.2	6.5	-	-	-	-	-	-	-	-	-
1000	11.7	10.4	9.3	8.5	7.9	-	-	-	-	-	-	-	-
1100	13.7	12.9	11.7	10.8	10	9.4	-	-	-	-	-	-	-
1200	27	15.9	14.3	13.3	12.5	11.8	-	-	-	-	-	-	-
1300	31	19.9	16.8	15.6	14.8	14.1	13.3	-	-	-	-	-	-
1400	34	24	19.2	18.2	17.3	16.5	15.7	-	-	-	-	-	-
1500	37	28	23	21	20	19.2	18.1	17.6	-	-	-	-	-
1600	39	32	27	23	23	22	21	20	19.6	-	-	-	-
1700	42	35	31	27	26	25	24	23	22	22	-	-	-
1800	43	38	34	31	29	28	27	26	25	24	24	-	-
1900	45	41	38	35	33	32	30	29	28	27	27	26	26
2000	47	44	41	39	38	36	34	32	31	30	30	30	29
2100	50	48	46	44	43	41	39	37	35	34	33	33	32
2200	55	53	51	50	48	46	43	41	39	38	37	36	36

CFD09

RPM	Sound Performance Sones (Inches w.g.)							
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25
400	4.4	-	-	-	-	-	-	-
450	5.5	-	-	-	-	-	-	-
500	6.8	-	-	-	-	-	-	-
550	8.3	8.1	-	-	-	-	-	-
600	10	9.4	-	-	-	-	-	-
650	12.2	11.5	-	-	-	-	-	-
700	14.4	13.8	13.4	-	-	-	-	-
750	16.8	16.2	15.6	-	-	-	-	-
800	19.1	18.6	18	17.8	-	-	-	-
850	21	21	20	20	20	-	-	-
900	24	23	23	23	22	-	-	-
950	26	26	26	25	25	-	-	-
1000	29	29	29	28	28	28	-	-
1050	32	32	32	31	31	31	-	-
1100	35	35	34	34	34	33	-	-
1150	37	37	37	36	36	36	36	-
1200	40	40	39	39	39	39	38	-
1250	43	43	42	42	42	41	41	41
1300	47	46	46	45	45	44	44	43



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The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.



CFD10

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
400	2.7	-	-	-	-	-	-	-	-	-	-	-	-
450	4.4	-	-	-	-	-	-	-	-	-	-	-	-
500	6	3.1	-	-	-	-	-	-	-	-	-	-	-
550	7.6	4.8	-	-	-	-	-	-	-	-	-	-	-
600	9.3	6.7	4.6	-	-	-	-	-	-	-	-	-	-
650	11	8.8	6.2	-	-	-	-	-	-	-	-	-	-
700	12.8	10.7	8	6.2	-	-	-	-	-	-	-	-	-
750	14.4	12.5	10.2	7.8	6.9	-	-	-	-	-	-	-	-
800	16.2	14.4	12.5	9.9	7.9	-	-	-	-	-	-	-	-
850	18	16.4	14.5	12.2	9.9	8.6	-	-	-	-	-	-	-
900	19.8	18.5	16.6	14.6	12.2	10.2	-	-	-	-	-	-	-
950	22	21	18.8	17.1	14.7	12.5	-	-	-	-	-	-	-
1000	24	23	21	19.3	17.3	15	11.5	-	-	-	-	-	-
1050	26	25	23	21	20	17.6	13.8	-	-	-	-	-	-
1100	28	27	25	24	22	20	16.2	13.7	-	-	-	-	-
1150	30	29	28	26	25	23	18.9	15.7	-	-	-	-	-
1200	32	31	30	29	27	26	22	18.3	16.2	-	-	-	-
1250	34	33	32	31	29	28	25	21	18.1	-	-	-	-
1300	37	36	35	34	32	30	28	24	21	18.7	-	-	-
1350	39	38	37	36	35	33	30	26	23	20	19.8	-	-
1400	42	41	40	39	37	36	33	30	26	23	21	-	-
1450	44	43	42	42	40	39	36	33	29	26	23	22	22
1500	47	46	45	44	43	42	38	36	32	29	26	24	24
1550	50	49	48	47	46	45	41	39	35	32	29	27	25
1600	53	52	51	50	49	48	45	42	39	35	32	30	27

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.



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CFD12

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
400	3.9	-	-	-	-	-	-	-	-	-	-	-	-
450	5.3	4	-	-	-	-	-	-	-	-	-	-	-
500	6.8	5.4	4.4	-	-	-	-	-	-	-	-	-	-
550	8.6	6.9	5.9	-	-	-	-	-	-	-	-	-	-
600	10.5	8.6	7.4	6.6	-	-	-	-	-	-	-	-	-
650	12.6	10.5	9.1	8.2	7.4	-	-	-	-	-	-	-	-
700	14.7	12.6	11	9.9	9.2	8.4	-	-	-	-	-	-	-
750	16.8	14.9	13	11.7	10.8	10	-	-	-	-	-	-	-
800	18.9	17.2	15.2	13.7	12.6	11.7	10.2	-	-	-	-	-	-
850	21	19.4	17.5	15.8	14.7	13.7	12	10.4	-	-	-	-	-
900	23	22	19.9	18.2	16.8	15.8	14	12.5	-	-	-	-	-
950	26	24	22	21	19.1	18	16.1	14.6	-	-	-	-	-
1000	28	27	25	23	22	20	18.4	16.7	15.3	-	-	-	-
1050	31	29	28	26	24	23	21	19	17.4	16.1	-	-	-
1100	33	32	30	29	27	25	23	21	19.8	18.4	-	-	-
1150	36	34	33	32	30	28	25	24	22	21	19.6	-	-
1200	39	37	36	35	33	31	28	26	25	23	22	21	-
1250	42	41	39	38	36	34	31	29	27	26	24	23	22
1300	45	44	42	41	40	38	34	32	30	28	27	26	25
1350	49	47	46	44	43	41	38	35	33	31	30	28	27
1400	52	51	49	48	47	45	41	39	36	34	33	31	30

CFD15

RPM	Sound Performance Sones (Inches w.g.)							
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25
300	3.8	-	-	-	-	-	-	-
350	5.5	-	-	-	-	-	-	-
400	7.5	6.3	-	-	-	-	-	-
450	9.6	8.3	-	-	-	-	-	-
500	11.9	10.7	9.6	-	-	-	-	-
550	14.3	13.2	12.1	11.3	-	-	-	-
600	17	15.8	14.8	13.9	13.1	-	-	-
650	19.5	18.4	17.4	16.5	15.6	-	-	-
700	22	21	20	19.2	18.3	17.5	-	-
750	25	24	23	22	21	20	18.7	-
800	28	27	26	25	24	23	22	20
850	31	30	29	28	27	26	25	23
900	34	33	33	32	31	30	28	27
950	38	37	36	35	35	34	32	31
1000	42	41	40	40	39	38	36	35
1050	47	46	45	44	43	42	41	39
1100	51	50	50	49	48	47	46	44
1150	56	56	55	54	53	52	51	49
1200	62	61	60	59	58	58	56	55
1250	66	65	64	63	63	62	60	59
1300	70	69	69	68	67	66	65	63

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.



S&P, Div. of Soler & Palau Ventilation Group certifies that the Models CFD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

MODEL CTB

TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



MODEL FEATURES

- Rated up to 20,000 CFM in static pressure applications up to 2-1/2" w.g.
- Motor and drives are located outside of the airstream
- Ideal for applications where space is limited
- Belt drives permit easy performance adjustments when needed
- Continuously welded and epoxy painted steel housing
- AMCA Air & Sound Certified
- cULus 705 or 762 Listed

MODEL OVERVIEW

S&P's inline tubular centrifugal line offers one of the widest range of sizes, horsepower and performance in the industry. Models CTB are high capacity belt drive tubular centrifugal fans rated from 300 to 20,000 CFM, with static pressure capability up to 2-1/2". Designed for commercial and industrial in-line applications that demand quiet, efficient and reliable air movement, they are used to exhaust air from or supply air to such typical commercial and industrial applications as general building ventilation, enclosed garages, paint spray booths, heat and smoke ventilation systems, restaurant and kitchen exhaust ventilation, historical buildings with limited roof space and restrictive duct lengths, and other applications where air is moved through a duct system against moderate static pressure. The CTBRHUL is specifically suited for restaurant exhaust where roof space is limited, sidewall mounted fans are prohibited or duct lengths are restricted. The CTBRHUL is also perfect in areas where extreme weather and outside air temperature is a concern when maintenance on the fan is needed.

The centrifugal wheel is designed to provide higher efficiencies and lower sound levels than propeller type fans when used in medium pressure ducted systems. Tubular centrifugal fans can be mounted in any position from horizontal to vertical providing for installations in the smallest possible space.

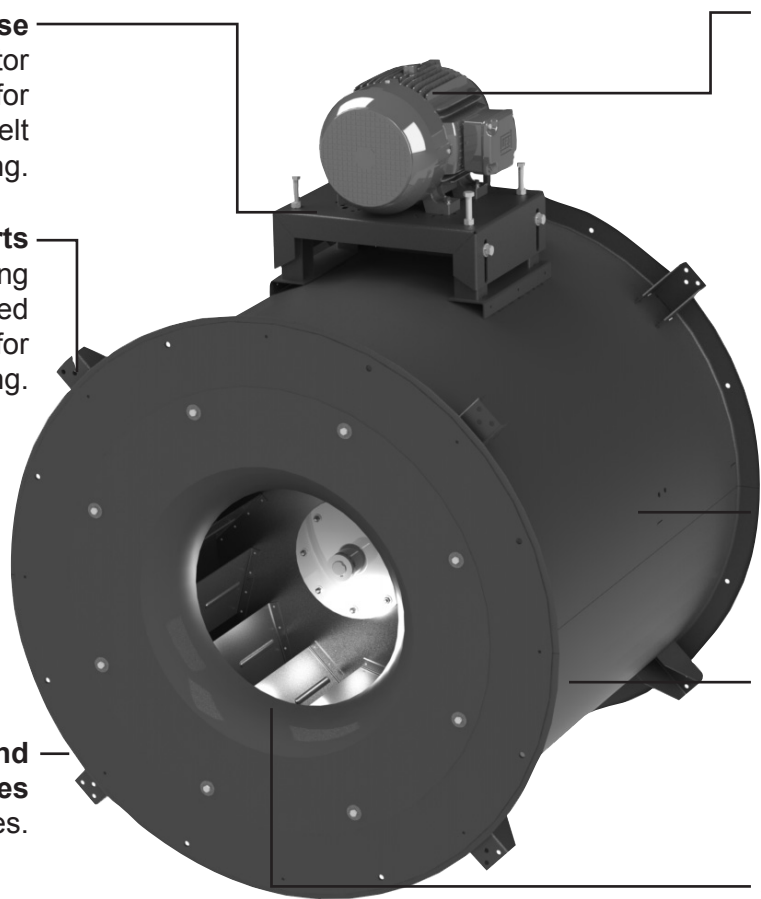
APPLICATION CONSTRUCTION OPTIONS

MODEL NAME	TYPICAL APPLICATIONS
CTB	Removal of clean or contaminated air in general applications
CTBRHUL	cULus 762 listed for grease removal



STANDARD CONSTRUCTION FEATURES

Model CTB



Motor Base

Adjustable steel motor base is designed for strength and ease of belt tensioning.

Motor

National brands with local service. Standard motors are heavy-duty open drip-proof. Other options available.

Mounting Supports

Eight (8) mounting supports are welded to each fan to allow for universal mounting.

Drives

Sized for a minimum 150% of motor horsepower. Drives are variable pitch as standard through 7-1/2 HP.

Extended Lubrication Lines

Extend from bearings to the outside of the unit.

Integral Inlet and Outlet Flanges

With mounting holes.

Housing

Heavy-gauge rolled steel with continuous welded seam and epoxy coating for maximum strength.

Bearings

Heavy-duty, ball bearing cast pillow blocks are designed for minimum 200,000 hours of operation, L50.

All Aluminum Centrifugal Wheel

Non-overloading, backward inclined tapered blades for maximum efficiency and minimum sound.

Factory Run & Tested
For quality assurance and dependable operation.

AMCA Seal

Assures certified rating of air and sound performance.



cULus 705 Listed

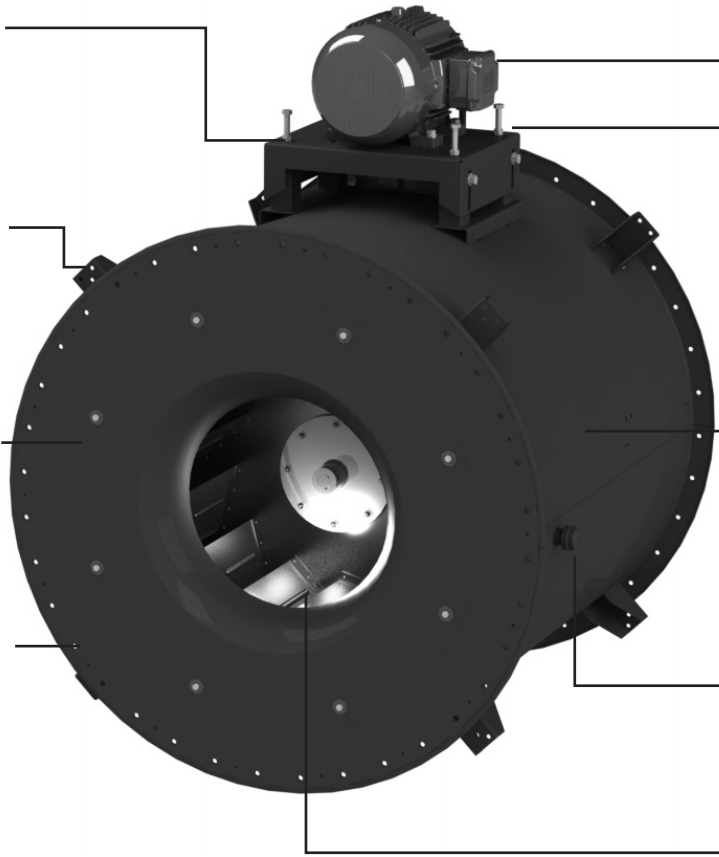
For electrical reliability.

2 year fan housing warranty, 1 year motor warranty



STANDARD CONSTRUCTION FEATURES

Model CTBRHUL Restaurant Exhaust



Motor Base

Adjustable steel motor base is designed for strength and ease of belt tensioning.

Mounting Supports

Eight (8) mounting supports are welded to each fan to allow for universal mounting.

Housing

Heavy-gauge rolled steel with continuous welded seam and epoxy coating for maximum strength.

Integral Duct Flanges

With bolt locations per NFPA 96

Bearing Cover Gasket and Shaft Seal

Come standard to protect bearings and belts from steam, grease, and moisture

AMCA Seal

Assures certified rating of air and sound performance.



Factory Run & Tested

For quality assurance and dependable operation.

Motor

National brands with local service. Standard motors are heavy-duty open drip-proof. Other options available.

Drives

Sized for a minimum 150% of motor horsepower. Drives are variable pitch as standard through 7-1/2 HP.

Extended Lubrication Lines

Extend from bearings to the outside of the unit.

Two Threaded Drain Connections Aid maintenance and serviceability operations

All Aluminum Centrifugal Wheel

Non-overloading, backward inclined tapered blades for maximum efficiency and minimum sound.



cULus 762 Listed
For Grease Laden Air

2 year fan housing warranty, 1 year motor warranty



CONSTRUCTION/SPECIFICATION CHECKLIST

Fan Housing

- Heavy-gauge rolled steel construction.
- Integral inlet and outlet flanges with mounting holes.
- Continuously welded and epoxy coated.
- Belt and bearing tube to protect drive components.
- Removable bearing cover for ease of maintenance.
- Eight mounting supports welded to each fan.
- Adjustable motor base for belt tensioning.
- Extended lube lines.

Centrifugal Wheel

- All aluminum wheel
- Backward inclined for efficiency at higher static pressures
- Non-overloading for safe operation in ducted systems
- Tapered blades for efficiency and quiet operation
- Heavy aluminum hub for extra strength
- Statically and dynamically balanced for smooth operation

Drives

- Sized for minimum 150% of drive horsepower.
- Single belt adjustable pitch sheaves through 3HP.
- Multiple belts are used on adjustable sheaves 5HP through 7-1/2HP as required for drive horsepower
- Variable pitch as standard.
- Adjustable tension rods for belt adjustment.
- Nonstatic oil resistant v-belts.
- Keyed, turned, ground and polished shafts.

Bearings

- Bearings are designed for minimum 200,000 hour life, L50.
- Cast iron self-aligning pillow block ball bearings.
- Bearings are sealed and prelubricated.

Motors

- One year motor warranty.
- Brands are nationally recognized and locally serviced.
- NEMA base-mounted motors are standard.
- Open drip-proof construction is standard.
- Premium-efficiency, explosion proof, totally enclosed fan cooled (TEFC) and corrosion duty motors can be specified.

Certifications

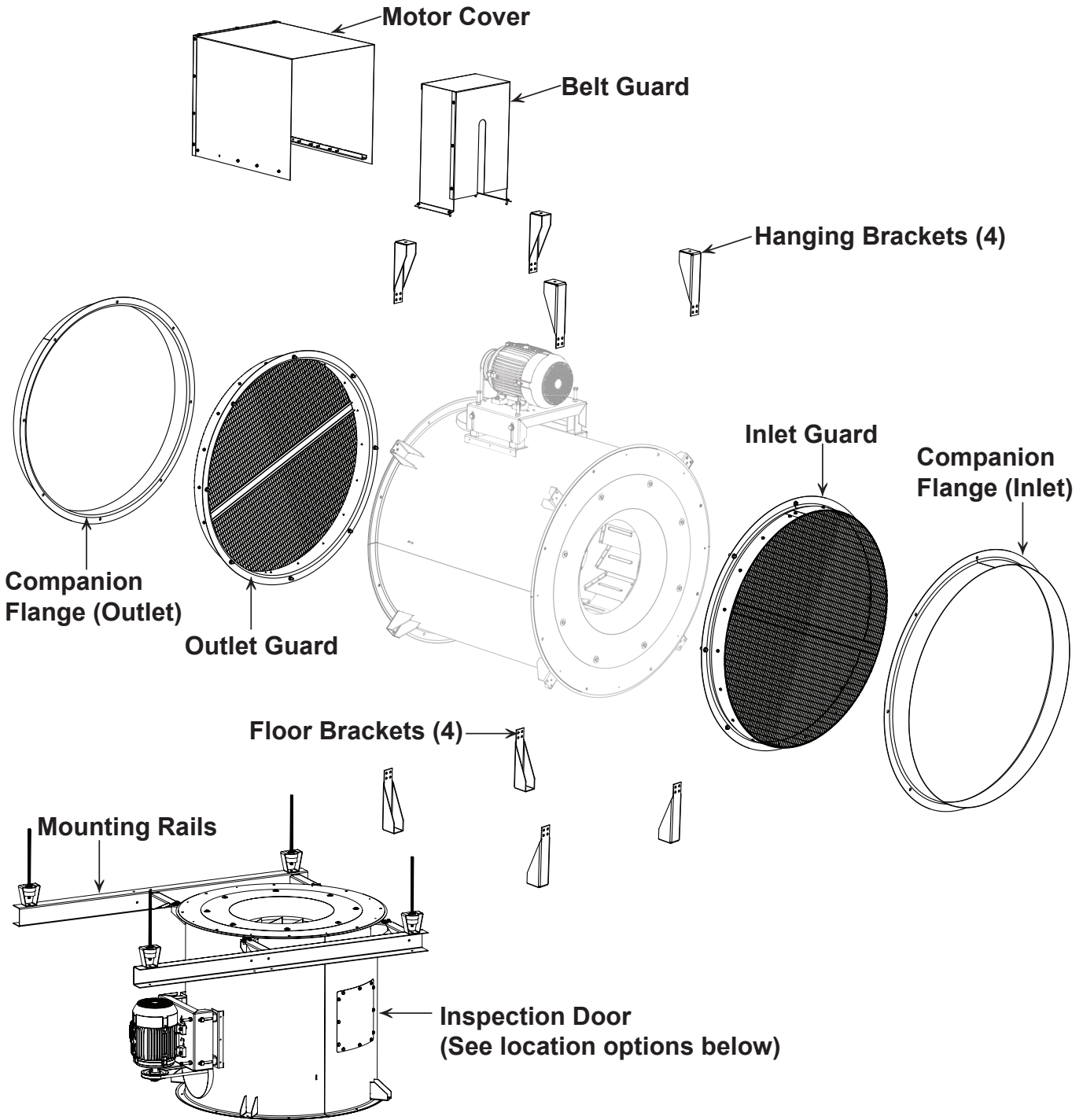
- AMCA Air and Sound Certified
- cULus 705 Listed
- cULus 762 Listed for grease removal

Entire Fan Unit

- Factory assembled and tested prior to shipment for quality assurance.

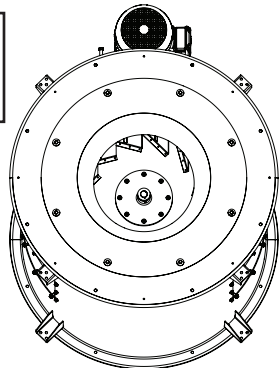


OPTIONS/ACCESSORIES



Inspection Door Location Options

CTB UL762
• Inspection Door Includes Gasket



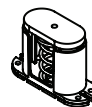
8 o'clock →

← 4 o'clock

Floor or Hanging Isolator Options



Rubber Isolator (Floor)



Spring Isolator (Floor)



Rubber Isolator (Hanging)



Spring Isolator (Hanging)



OPTIONS/ACCESSORIES

Hanging & Floor Brackets: For base or ceiling mounting. Neoprene and spring isolators are available.

Mounting Rails: Designed for vertical and horizontal mounting. Rail kits include mounting brackets.

Inlet/Outlet Guard: Prevents objects from entering the fan inlet or outlet. Includes companion flange.

Inspection Door: For inspection and blade service/cleaning. Bolted. UL762 inspection door option includes gasket.

Companion Flanges: Inlet and/or outlet flanges are available for duct connection.

Belt Guard: Encloses belt and motor sheave on exterior of fan.

Motor Cover: Three sided guard that covers motor, sheave and belt. Motor may extend past cover on sizes 9 and 11.

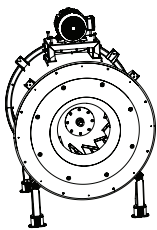
Shaft Seal: Protects bearings and belts when fan is handling dirty or contaminated air.

Disconnect Switch: Nonfused safety disconnect available for all motor sizes and enclosures. Specify prewired if desired. (Wiring not available on explosion proof and two speed motors).

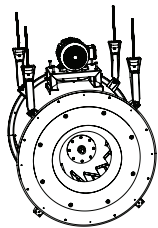
Special Coatings (*Epoxy Coating is Standard*): For protective and decorative purposes. Available coatings include: Synthetic Resin and Heresite (air-dried phenolic). Contact your representative or the factory for more information on available coatings and colors.

MOUNTING CONFIGURATIONS

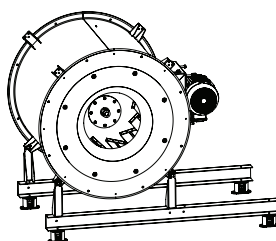
Floor Mount



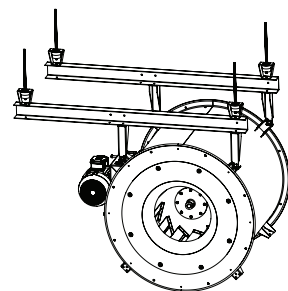
Hanging Mount



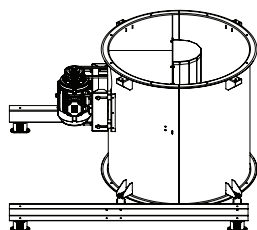
Rail Floor Mount



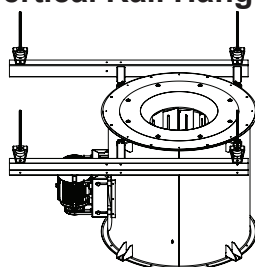
Rail Hanging Mount



Vertical Rail Floor Mount

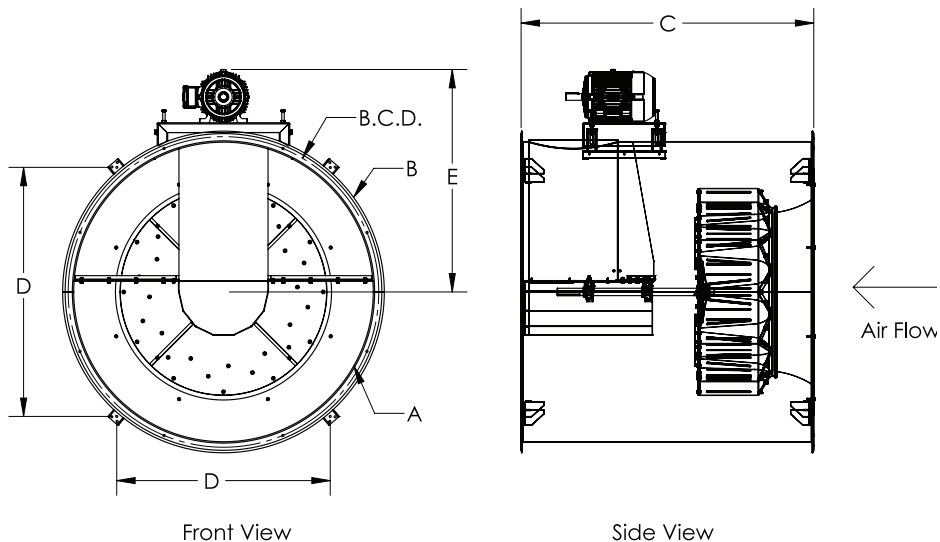


Vertical Rail Hanging Mount





DIMENSIONS/PHYSICAL DATA



Model No.	Housings				B.C.D.	E (Max)	Holes		Shaft Size	Max Motor Frame	Steel Housing Gauges	Avg. Ship Wt. (Lbs)
	I.D. A	O.D. B	Length C	D			Dia.	#				
9	18-3/8	22-1/2	23*	17-15/16	19-3/4	24	7/16"	8	5/8"	56	14	125
11	18-3/8	22-1/2	23*	17-15/16	19-3/4	24	7/16"	8	5/8"	143T	14	126
13	20-3/8	24-1/2	24-1/2	18-3/8	21-3/4	25	7/16"	8	3/4"	145T	14	130
15	24-3/8	28-9/16	25-1/2	21-1/4	25-3/4	29	7/16"	8	3/4"	182T	12	170
18	30-3/8	34-9/16	31	25-1/2	32	31	7/16"	8	1"	182T	12	236
22	36-3/8	38-9/16	35-1/2	29-13/16	38	33-1/2	7/16"	8	1-3/16"	182T	12	296
24	42-1/2	40-5/8	42	34-1/8	44-1/4	34-1/2	7/16"	8	1-1/2"	184T	10	420
30	48-1/2	47	48-1/2	38-3/8	50-3/4	40-1/2	7/16"	8	1-1/2"	213T	10	544
36	55	53	54	43	57-1/4	44	7/16"	8	1-1/2"	215T	10	694
42	61	59-1/2	59-1/2	47-1/4	63-1/4	45	7/16"	8	1-1/2"	215T	10	879

*Motor may extend past unit



PERFORMANCE/DIMENSIONS

Size 9

CFM	OV	Static Pressure (Inches W.G.)																	
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75		2	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
300	164	843	0.02	1025	0.04	1329	0.08	1587	0.13										
		3.3		4.9		8.7		12.4											
350	191	921	0.03	1087	0.05	1370	0.09	1615	0.14	1834	0.19	2034	0.26						
		4.1		5.5		9		12.8		16.9		21							
400	219	1003	0.04	1157	0.05	1421	0.10	1653	0.15	1862	0.21	2055	0.27	2234	0.34				
		4.9		6.3		9.4		13.3		17.3		21		25					
450	246	1088	0.05	1231	0.06	1480	0.11	1699	0.16	1899	0.23	2084	0.29	2257	0.37	2421	0.44	2575	0.52
		5.9		7.3		10		14		17.8		21		25		29		33	
500	273	1175	0.06	1310	0.08	1544	0.13	1751	0.18	1943	0.25	2120	0.31	2288	0.39	2446	0.47	2596	0.55
		6.8		8.2		10.8		14.7		18.4		22		26		29		33	
550	301	1264	0.07	1391	0.09	1613	0.14	1810	0.20	1992	0.27	2163	0.34	2325	0.41	2478	0.50	2624	0.58
		7.9		9.1		11.8		15.6		19.1		23		27		30		34	
600	328	1354	0.08	1475	0.11	1686	0.16	1874	0.22	2048	0.29	2212	0.36	2368	0.44	2516	0.53		
		8.8		10		13.2		16.5		19.9		24		27		31			
650	355	1445	0.10	1561	0.13	1762	0.19	1942	0.25	2109	0.32	2266	0.39	2416	0.47	2559	0.56		
		9.8		11.1		14.4		17.7		21		25		28		32			
700	383	1538	0.12	1648	0.15	1841	0.21	2012	0.28	2174	0.35	2325	0.43	2469	0.51	2607	0.6		
		10.8		12.5		15.8		18.8		22		26		29		33			
750	410	1631	0.14	1736	0.18	1922	0.24	2088	0.31	2242	0.39	2388	0.46	2526	0.55				
		12.2		13.9		17.2		20		24		27		30					
800	437	1724	0.17	1826	0.2	2004	0.27	2164	0.35	2313	0.42	2454	0.5	2588	0.59				
		13.9		15.6		18.7		22		25		28		31					
850	464	1819	0.2	1917	0.24	2088	0.31	2242	0.38	2386	0.46	2522	0.55						
		15.5		17.2		20		23		27		30							
900	492	1915	0.23	2007	0.27	2174	0.35	2323	0.43	2461	0.51	2594	0.6						
		17.2		18.8		22		25		28		31							
950	519	2009	0.27	2100	0.31	2259	0.39	2405	0.47	2539	0.56								
		18.9		20		24		27		29									
1000	546	2106	0.31	2192	0.35	2348	0.44	2487	0.52	2619	0.61								
		21		22		25		28		31									
1050	574	2202	0.35	2285	0.4	2436	0.49	2573	0.58										
		23		24		27		30											
1100	601	2297	0.4	2378	0.45	2526	0.54												
		24		26		29													
1150	628	2395	0.45	2473	0.5	2616	0.6												
		27		28		31													
1200	656	2491	0.51	2568	0.56														
		29		30															
1250	683	2589	0.57																
		31																	

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (bhp) includes transmission losses. Performance ratings do not include the effects of appurtenances.

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type: B free inlet hemispherical sone levels.



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UL STANDARD 705 for Electrical
UL STANDARD 762 for
Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 13

CFM	OV	Static Pressure (Inches W.G.)																	
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75		2	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
600	268	603	0.04	754	0.07														
		2.9		4.8															
700	313	655	0.05	788	0.08														
		3.8		5.3															
800	357	711	0.06	830	0.09	1054	0.17												
		4.7		6.1		9.3													
900	402	771	0.08	879	0.11	1082	0.19												
		5.6		6.7		9.8													
1000	446	832	0.09	932	0.13	1118	0.22	1296	0.32										
		6.4		7.6		10.5		14.1											
1100	491	895	0.11	988	0.15	1160	0.25	1325	0.35	1483	0.48	1636	0.62						
		7.3		8.5		11.3		14.8		18.3		22							
1200	536	959	0.14	1046	0.18	1207	0.28	1360	0.39	1508	0.52	1652	0.65	1792	0.81	1926	0.97		
		8.3		9.5		12.3		15.7		18.9		23		27		30			
1300	580	1024	0.17	1106	0.22	1257	0.32	1400	0.43	1539	0.56	1675	0.7	1807	0.85	1936	1.02	2060	1.19
		9.4		10.6		13.5		16.7		19.7		23		27		31		35	
1400	625	1089	0.2	1168	0.25	1310	0.36	1445	0.48	1576	0.61	1704	0.75	1829	0.91	1951	1.07	2071	1.25
		10.6		11.9		14.8		17.7		21		24		28		31		35	
1500	670	1156	0.24	1230	0.3	1366	0.41	1493	0.53	1617	0.66	1737	0.81	1856	0.97	1972	1.13	2087	1.31
		12		13.3		16.1		18.8		22		25		28		32		36	
1600	714	1222	0.28	1294	0.34	1423	0.46	1544	0.59	1661	0.73	1775	0.87	1888	1.03	1999	1.2	2108	1.38
		13.4		14.7		17.4		20		23		26		29		33		37	
1700	759	1290	0.33	1357	0.39	1481	0.52	1597	0.65	1708	0.79	1817	0.94	1924	1.11	2030	1.28		
		14.9		16.2		18.7		21		24		27		31		34			
1800	804	1357	0.39	1422	0.45	1541	0.58	1652	0.72	1758	0.87	1862	1.02	1964	1.19	2065	1.36		
		16.4		17.7		20		23		26		28		32		35			
1900	848	1425	0.45	1488	0.52	1602	0.65	1708	0.8	1810	0.95	1910	1.11	2007	1.28	2104	1.45		
		17.9		19.2		22		24		27		30		33		37			
2000	893	1493	0.51	1553	0.59	1663	0.73	1766	0.88	1864	1.04	1959	1.2	2053	1.37				
		19.5		21		23		26		29		32		35					
2100	938	1562	0.59	1620	0.66	1726	0.82	1825	0.97	1919	1.13	2011	1.3	2101	1.48				
		21		23		25		28		30		33		36					
2200	982	1630	0.67	1686	0.75	1789	0.91	1884	1.07	1976	1.24	2065	1.41						
		23		24		27		29		32		35							
2300	1027	1700	0.75	1753	0.84	1853	1.01	1945	1.17	2033	1.35	2119	1.52						
		25		26		29		31		34		37							
2400	1071	1769	0.85	1821	0.94	1917	1.11	2006	1.29	2092	1.46								
		27		28		30		33		36									
2500	1116	1838	0.95	1889	1.04	1981	1.22	2069	1.41										
		29		30		32		35											
2600	1161	1907	1.06	1956	1.16	2047	1.35												
		30		32		35													
2700	1205	1977	1.18	2024	1.28	2112	1.48												
		33		34		37													
2800	1250	2046	1.31	2092	1.41														
		35		36															
2900	1295	2116	1.45																
		37																	

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (bhp) includes transmission losses. Performance ratings do not include the effects of appurtenances.

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type: B free inlet hemispherical sone levels.



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UL STANDARD 705 for Electrical
UL STANDARD 762 for
Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 15

CFM	OV	Static Pressure (Inches W.G.)																					
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75		2		2.25		2.5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
900	281	586	0.05	699	0.08	890	0.16	1052	0.23	1195	0.32	1323	0.41										
		3.3		4.7		7.6		10.3		13.1		16.1											
1000	313	625	0.06	731	0.09	913	0.17	1070	0.26	1209	0.35	1335	0.45	1451	0.55	1559	0.66						
		3.8		5.2		7.9		10.6		13.3		16.2		19		22							
1100	344	666	0.07	765	0.11	938	0.19	1090	0.28	1225	0.38	1349	0.48	1463	0.59	1570	0.7	1670	0.82	1765	0.94		
		4.4		5.6		8.3		10.9		13.7		16.6		19.3		22		25		27			
1200	375	707	0.09	801	0.13	966	0.21	1112	0.31	1244	0.41	1365	0.52	1477	0.63	1582	0.75	1681	0.87	1775	1	1864	1.13
		4.9		6.1		8.7		11.3		14.1		16.9		19.6		23		25		27		30	
1300	406	750	0.1	839	0.15	996	0.23	1137	0.34	1265	0.45	1382	0.56	1492	0.68	1596	0.8	1693	0.93	1786	1.06	1874	1.19
		5.6		6.7		9.2		11.7		14.4		17.3		19.9		23		25		28		30	
1500	469	839	0.14	918	0.19	1062	0.29	1192	0.4	1312	0.52	1424	0.64	1529	0.77	1629	0.9	1723	1.04	1813	1.18	1899	1.33
		6.9		7.9		10.2		12.8		15.5		18.2		21		24		26		29		31	
1700	531	929	0.19	1002	0.24	1134	0.35	1255	0.47	1367	0.6	1473	0.73	1573	0.87	1669	1.01	1759	1.16	1847	1.32		
		8.2		9.3		11.6		14.2		16.8		19.3		22		25		27		30			
1900	594	1022	0.25	1088	0.3	1210	0.43	1323	0.56	1428	0.69	1529	0.84	1624	0.98	1715	1.14	1802	1.3	1886	1.46		
		9.9		10.8		13.2		15.5		18.1		21		23		26		28		31			
2000	625	1068	0.28	1132	0.34	1249	0.47	1358	0.6	1461	0.75	1558	0.89	1651	1.05	1740	1.2	1826	1.37	1908	1.53		
		10.7		11.8		14.1		16.4		18.8		22		24		27		29		32			
2100	656	1116	0.32	1176	0.38	1289	0.51	1395	0.65	1495	0.8	1589	0.95	1680	1.11	1767	1.27	1850	1.44				
		11.6		12.6		14.9		17.3		19.7		22		25		27		30					
2300	719	1210	0.41	1266	0.47	1372	0.62	1471	0.77	1565	0.92	1655	1.09	1741	1.25	1824	1.43	1904	1.6				
		13.6		14.6		16.7		19.1		22		24		26		29		31					
2400	750	1258	0.45	1312	0.53	1414	0.67	1511	0.83	1602	0.99	1689	1.16	1773	1.33	1854	1.51						
		14.7		15.6		17.7		20		23		25		27		30							
2500	781	1306	0.51	1358	0.58	1457	0.74	1550	0.9	1639	1.06	1724	1.23	1806	1.41	1885	1.59						
		15.7		16.7		18.8		21		24		26		28		31							
2700	844	1402	0.63	1451	0.71	1544	0.87	1632	1.04	1716	1.22	1797	1.4	1875	1.59								
		17.8		18.8		21		23		26		28		30									
2800	875	1450	0.69	1498	0.77	1588	0.94	1673	1.12	1755	1.3	1834	1.49	1911	1.68								
		19.1		20		22		24		27		29		32									
2900	906	1499	0.76	1544	0.85	1632	1.02	1716	1.2	1795	1.39	1873	1.58										
		20		21		23		25		28		30											
3100	969	1596	0.92	1639	1.01	1722	1.2	1801	1.39	1877	1.58												
		23		24		26		28		30													
3300	1031	1693	1.09	1734	1.19	1813	1.39	1888	1.59														
		26		27		28		30															
3500	1094	1791	1.29	1830	1.4	1904	1.6																
		28		29		31																	
3600	1125	1840	1.4	1878	1.51																		
		30		31																			

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (bhp) includes transmission losses. Performance ratings do not include the effects of appurtenances.

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type: B free inlet hemispherical sone levels.



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UL STANDARD 705 for Electrical
UL STANDARD 762 for
Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 18

CFM	OV	Static Pressure (Inches W.G.)																					
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75		2		2.25		2.5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
1200	240	448	0.06	540	0.1	708	0.21																
		3.8		5.6		9.1																	
1500	300	515	0.09	593	0.14	736	0.25	869	0.39	992	0.54												
		4.9		6.4		9.6		12.7		15.8													
1800	360	588	0.13	655	0.19	779	0.31	896	0.45	1008	0.62	1114	0.79	1214	0.97								
		6.3		7.3		10.2		13.2		16.2		19.1		22									
2100	420	663	0.18	723	0.25	834	0.38	938	0.53	1038	0.72	1134	0.89	1227	1.09	1317	1.29	1403	1.5				
		7.7		8.5		11		13.8		16.6		19.4		22		25		28					
2400	480	741	0.25	795	0.32	895	0.47	989	0.63	1079	0.81	1166	1	1252	1.22	1335	1.44	1415	1.66	1494	1.89		
		9.2		9.9		12.1		14.7		17.4		20		23		26		28		31			
2700	540	820	0.33	870	0.41	961	0.58	1046	0.75	1129	0.94	1209	1.14	1287	1.36	1364	1.59	1438	1.83	1512	2.08	1583	2.33
		10.7		11.4		13.4		15.8		18.4		21		24		26		29		32		34	
3000	600	899	0.44	946	0.52	1030	0.7	1109	0.89	1185	1.09	1259	1.31	1331	1.53	1401	1.76	1471	2.01	1539	2.27	1607	2.54
		12.5		13.2		14.9		17.2		19.6		22		25		27		29		32		35	
3300	660	980	0.56	1023	0.66	1102	0.85	1175	1.05	1246	1.27	1314	1.49	1381	1.73	1447	1.97	1512	2.22	1575	2.49	1638	2.76
		14.3		15.1		16.7		18.7		21		23		26		28		30		33		35	
3600	720	1061	0.71	1101	0.81	1175	1.02	1244	1.24	1310	1.47	1374	1.7	1437	1.95	1498	2.2	1558	2.47	1618	2.74		
		16.2		16.9		18.6		20		23		25		27		29		31		34			
3900	780	1143	0.88	1181	0.99	1250	1.22	1315	1.45	1377	1.69	1438	1.94	1496	2.2	1554	2.47	1611	2.74				
		18.3		18.8		20		22		24		26		28		30		33					
4200	840	1225	1.08	1261	1.2	1326	1.45	1388	1.69	1447	1.95	1504	2.21	1559	2.48	1614	2.76						
		20		21		22		24		26		28		29		32							
4500	900	1307	1.3	1341	1.44	1403	1.7	1462	1.97	1518	1.97	1572	2.51	1625	2.79								
		23		23		24		26		27		29		31									
4800	960	1390	1.56	1422	1.7	1481	1.99	1537	2.27	1591	2.55												
		25		25		26		28		29													
5100	1020	1473	1.86	1503	2.01	1560	2.3	1613	2.6														
		27		27		28		30															
5400	1080	1556	2.18	1585	2.34	1639	2.66																
		29		30		31																	
5700	1140	1639	2.55																				
		32																					

Performance certified for installation type B: Free inlet, Ducted outlet. Power rating (bhp) includes transmission losses. Performance ratings do not include the effects of appurtenances.

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UL STANDARD 705 for Electrical
UL STANDARD 762 for Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 22

CFM	OV	Static Pressure (Inches W.G.)																	
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75		2	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
1200	166	346	0.06	443	0.11	607	0.23	741	0.37										
		1.9		3.4		6.2		8.8											
1600	222	397	0.08	478	0.14	621	0.29	746	0.44	857	0.62	957	0.81						
		2.9		4.1		6.5		8.9		11.4		13.9							
2000	277	455	0.12	526	0.19	650	0.35	763	0.53	866	0.72	961	0.93	1050	1.16	1132	1.39	1210	1.63
		4.1		5.1		7.1		9.3		11.6		14.1		16.4		18.7		21	
2400	332	517	0.17	580	0.25	691	0.42	792	0.63	886	0.84	975	1.06	1059	1.31	1138	1.56	1213	1.82
		5.3		6.1		7.9		10.1		12.1		14.4		16.7		18.9		21	
2800	388	580	0.24	639	0.33	740	0.52	831	0.73	917	0.97	999	1.22	1077	1.47	1152	1.74	1223	2.02
		6.6		7.4		9.1		11.1		13.1		15.2		17.3		19.3		22	
3200	443	646	0.33	700	0.43	793	0.64	877	0.87	956	1.12	1031	1.39	1104	1.66	1174	1.95	1241	2.24
		7.9		8.8		10.4		12.3		14.2		16.1		18.2		20		22	
3600	499	712	0.43	763	0.55	850	0.78	928	1.03	1001	1.29	1071	1.57	1139	1.88	1204	2.18	1267	2.5
		9.5		10.3		12.1		13.7		15.6		17.4		19.2		21		23	
4000	554	779	0.57	827	0.69	910	0.95	983	1.22	1051	1.5	1117	1.79	1179	2.1	1241	2.42		
		11.2		12		13.8		15.5		17.2		18.9		21		22			
4400	609	846	0.72	892	0.86	971	1.14	1040	1.43	1105	1.73	1166	2.04	1225	2.37				
		13		13.8		15.6		17.3		18.9		21		22					
4800	665	914	0.91	958	1.06	1033	1.37	1099	1.68	1160	2	1219	2.33	1275	2.67				
		14.9		15.8		17.5		19.2		21		22		24					
5200	720	982	1.12	1024	1.29	1097	1.62	1160	1.96	1218	2.3	1274	2.65						
		16.9		17.9		19.7		21		22		24							
5600	776	1050	1.36	1091	1.55	1161	1.91	1222	2.27										
		19.2		20		22		23											
6000	831	1119	1.64	1159	1.85	1226	2.24												
		21		22		23													
6400	886	1188	1.96	1226	2.18														
		23		24															
6800	942	1258	2.32																
		26																	

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UL STANDARD 705 for Electrical
UL STANDARD 762 for Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 24

CFM	OV	Static Pressure (Inches W.G.)																					
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75		2		2.25		2.5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
2000	201	339	0.09	412	0.16	542	0.32	652	0.5	748	0.7	834	0.92	912	1.14	984	1.37						
		5.2		7.3		13.2		18.9		24		28		33		37							
2500	252	383	0.13	449	0.21	564	0.39	665	0.6	756	0.82	840	1.06	916	1.31	987	1.57	1054	1.84				
		6.6		8.8		14.5		19.5		24		28		33		38		42					
3000	302	434	0.19	492	0.27	595	0.47	687	0.7	772	0.95	851	1.21	925	1.48	994	1.77	1059	2.07	1121	2.37		
		8.4		10.8		16.2		21		25		29		34		38		43		48			
3500	352	486	0.25	539	0.36	632	0.58	717	0.82	795	1.09	869	1.37	939	1.67	1006	1.98	1069	2.3	1129	2.63	1187	2.97
		10.7		13.4		18.1		22		26		30		34		39		43		49		55	
4000	402	540	0.34	588	0.46	678	0.7	752	0.97	825	1.25	894	1.56	960	1.87	1023	2.21	1083	2.55	1141	2.91	1197	3.27
		13.7		16.1		20		24		27		32		35		40		45		50		56	
4500	453	595	0.46	640	0.58	719	0.85	794	1.14	859	1.44	924	1.76	986	2.1	1046	2.45	1103	2.82	1158	3.2	1212	3.58
		16.7		18.8		23		26		29		33		37		41		46		52		58	
5000	503	651	0.59	693	0.73	767	1.02	838	1.33	898	1.66	958	2	1017	2.36	1073	2.73	1128	3.11	1180	3.51	1232	3.92
		19.6		21		25		28		32		35		39		44		49		55		60	
5500	553	708	0.76	747	0.91	816	1.23	880	1.56	944	1.9	996	2.26	1051	2.64	1105	3.03	1156	3.44	1207	3.85		
		23		24		28		31		35		38		42		47		52		57		62	
6000	604	765	0.95	802	1.12	867	1.46	927	1.81	987	2.18	1042	2.56	1089	2.96	1140	3.37	1189	3.79				
		26		27		31		34		37		42		45		50		55		60		65	
6500	654	823	1.18	857	1.36	919	1.73	976	2.1	1030	2.49	1085	2.9	1135	3.32	1178	3.75	1225	4.19				
		29		31		34		37		41		45		50		54		60		65		70	
7000	704	881	1.44	913	1.63	972	2.03	1026	2.43	1077	2.84	1126	3.27	1179	3.71	1224	4.16						
		33		34		38		41		45		49		55		60		65		70		75	
7500	755	939	1.74	970	1.95	1026	2.37	1078	2.8	1126	3.23	1173	3.68	1218	4.14								
		36		38		42		45		50		54		59		64		69		74		79	
8000	805	998	2.08	1027	2.3	1080	2.75	1130	3.21	1177	3.67	1221	4.14										
		40		42		46		51		55		60		65		70		75		80		85	
8500	855	1056	2.46	1084	2.7	1135	3.18	1183	3.66	1228	4.14												
		45		47		52		56		61		66		71		76		81		86		91	
9000	905	1115	2.89	1142	3.15	1191	3.65																
		50		53		58		63		68		73		78		83		88		93		98	
9500	956	1174	3.37	1199	3.64																		
		56		59		64		69		74		79		84		89		94		99		104	
10000	1006	1233	3.9																				
		63		68		73		78		83		88		93		98		103		108		113	

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UL STANDARD 705 for Electrical
UL STANDARD 762 for
Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 30

CFM	OV	Static Pressure (Inches W.G.)																					
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75		2		2.25		2.5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
2250	177	246	0.1	316	0.19	425	0.41	512	0.67														
		4.3		6.6		11.1		15.6															
3000	236	279	0.14	341	0.25	442	0.5	525	0.8	598	1.12												
		5.6		7.6		11.9		16.4		20													
3750	295	316	0.21	372	0.33	465	0.62	544	0.94	613	1.3	676	1.68	733	2.08	787	2.5						
		6.9		8.8		13.1		17.4		21		24		28		31							
4500	354	357	0.29	407	0.44	493	0.76	567	1.11	633	1.5	693	1.91	749	2.35	801	2.81	850	3.28	896	3.77	941	4.28
		8.6		10.6		14.5		18.5		22		25		28		32		36		40		44	
5250	413	399	0.41	444	0.57	524	0.92	593	1.31	656	1.73	714	2.17	768	2.64	818	3.13	866	3.64	911	4.17	954	4.71
		10.6		12.6		16.5		19.6		23		26		30		33		37		41		45	
6000	472	443	0.55	484	0.73	558	1.12	623	1.55	683	1.99	738	2.47	790	2.97	838	3.49	885	4.04	929	4.6	971	5.17
		12.9		14.9		18.5		21		25		28		31		35		39		43		47	
6750	531	488	0.73	526	0.94	594	1.36	656	1.82	712	2.3	765	2.81	815	3.34	862	3.89	906	4.47	949	5.06	990	5.67
		15.4		17.6		21		23		26		29		33		36		40		45		49	
7500	591	534	0.95	569	1.18	632	1.64	690	2.13	744	2.66	794	3.19	842	3.75	887	4.34	931	4.94	972	5.56	1012	6.21
		18.2		19.8		23		26		28		32		35		39		42		46		51	
8250	650	581	1.22	613	1.46	672	1.97	727	2.49	778	3.04	826	3.62	872	4.22	915	4.83	957	5.47	997	6.12	1036	6.79
		21		22		25		28		31		34		37		40		44		49		54	
9000	709	628	1.53	657	1.8	713	2.34	765	2.9	813	3.49	859	4.1	903	4.73	945	5.38	985	6.04				
		23		25		28		31		34		37		40		43		47					
9750	768	675	1.9	703	2.18	755	2.77	804	3.37	850	3.99	894	4.64	936	5.3	977	5.98						
		26		28		31		34		37		40		43		47							
10500	827	723	2.32	749	2.63	798	3.25	844	3.89	889	4.56	931	5.23	971	5.93								
		29		31		34		37		41		44		47									
11250	886	771	2.81	795	3.13	842	3.8	886	4.48	928	5.18	968	5.9										
		33		34		38		41		44		47											
12000	945	819	3.36	842	3.71	886	4.42	928	5.14	968	5.87												
		36		38		42		45		48													
12750	1004	868	3.98	889	4.35	931	5.1	971	5.86														
		40		42		45		49															
13500	1063	916	4.67	937	5.07	976	5.86																
		45		46		50																	
14250	1122	965	5.45	984	5.86																		
		49		51																			

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (bhp) includes transmission losses. Performance ratings do not include the effects of appurtenances.

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type: B free inlet hemispherical sone levels.



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UL STANDARD 705 for Electrical
UL STANDARD 762 for Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 36

CFM	OV	Static Pressure (Inches W.G.)															
		0.125		0.25		0.5		0.75		1		1.25		1.5		1.75	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones		Sones		Sones		Sones	
4600	276	247	0.23	307	0.4	402	0.79	478	1.21	543	1.66	600	2.13				
		4.3		6.3		10.4		15.3		18.4		21					
5400	324	269	0.3	323	0.5	415	0.93	489	1.4	553	1.89	610	2.41	662	2.95	710	3.51
		5.2		6.9		11.2		16		18.9		22		25		28	
6200	372	293	0.39	342	0.6	429	1.08	502	1.6	565	2.14	621	2.71	672	3.3	719	3.9
		6		7.8		12.3		16.7		19.7		23		26		29	
7000	420	319	0.5	362	0.73	444	1.25	515	1.82	577	2.41	632	3.02	683	3.66		
		7.2		8.7		13.7		17.4		21		23		26			
7800	468	346	0.63	385	0.88	461	1.44	529		590	2.69	644	3.36	694	4.04		
		8.6		9.8		15.1		18.2		21		24		27			
8600	517	374	0.79	409	1.06	479	1.65	544	2.31	603	3	657	3.71	707	4.44		
		10.2		11.2		16.1		19.1		22		25		28			
9400	565	403	0.98	435	1.26	499	1.89	561	2.59	618	3.32	671	4.08	720	4.86		
		12.2		13.3		17.2		20		23		26		29			
10200	613	432	1.21	461	1.5	521	2.17	579	2.9	634	3.68	685	4.48				
		14.4		15.9		18.2		21		24		27					
11000	661	462	1.46	488	1.78	544	2.47	599	3.24	651	4.06	701	4.91				
		17.2		17.5		19.4		22		25		28					
11800	709	492	1.76	516	2.09	567	2.82	619	3.62	669	4.48	717	5.37				
		18.9		19.2		21		23		27		30					
12600	757	522	2.09	545	2.44	592	3.2	641	4.04	689	4.93						
		21		21		22		25		28							
13400	805	552	2.47	573	2.84	618	3.63	664	4.5	709	5.42						
		23		23		24		26		29							
14200	853	582	2.9	603	3.28	644	4.1	687	5								
		25		25		25		28									
15000	901	613	3.37	632	3.77	671	4.63	712	5.56								
		27		27		28		30									
16100	967	656	4.1	673	4.53	709	5.43										
		29		30		31											
16900	1015	687	4.7	703	5.14												
		32		33													
17700	1063	717	5.36														
		35															

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The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type: B free inlet hemispherical sone levels.



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UL STANDARD 705 for Electrical
UL STANDARD 762 for Grease Removal



MODEL CTB
TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



Size 42

CFM	OV	Static Pressure (Inches W.G.)									
		0.25		0.5		0.75		1		1.25	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
		Sones		Sones		Sones		Sones		Sones	
8300	414	308	1.01	383	1.79	446	2.64	500	3.53	549	4.48
		8.7		12		15.2		18.8		23	
9300	464	325	1.21	397	2.06	458	2.97	511	3.94	559	4.95
		9.8		12.8		16		20		24	
10300	514	344	1.44	412	2.36	471	3.34	523	4.38		
		10.8		13.8		17.2		21			
11300	564	363	1.71	428	2.69	485	3.74	536	4.85		
		11.8		14.9		18.4		23			
12300	613	383	2.02	445	3.07	501	4.18	550	5.35		
		12.9		15.9		19.8		24			
13300	663	403	2.38	463	3.49	516	4.67	564	5.91		
		14.2		17.3		22		26			
14300	713	426	2.78	481	3.95	532	5.2				
		15.7		18.8		23					
15300	763	448	3.23	500	4.46	548	5.78				
		17.2		21		25					
16300	813	470	3.73	520	5.03						
		18.6		23							
17300	863	493	4.29	540	5.66						
		21		25							
18300	913	516	4.92	561	6.35						
		23		27							
19300	963	540	5.6								
		26									
20300	1012	563	6.36								
		28									

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (bhp) includes transmission losses. Performance ratings do not include the effects of appurtenances.

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type: B free inlet hemispherical sone levels.



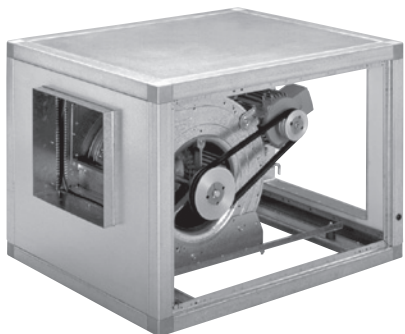
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UL STANDARD 705 for Electrical
UL STANDARD 762 for Grease Removal

MODEL CVTT

BELT DRIVE CENTRIFUGAL CABINET FAN



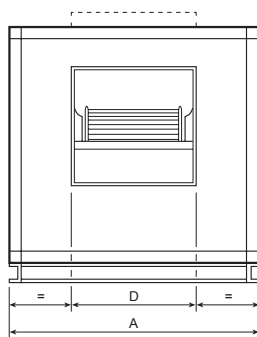
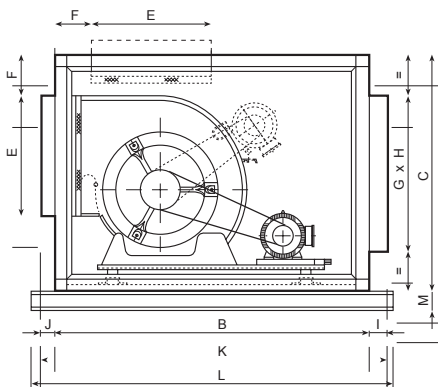
FEATURES

- Computer designed, efficient performance, forward curved blower.
- Blower wheel hub is secured to the shaft with a locking keyway.
- Blower is secured to anti-vibration mounts within the cabinet.
- Blower outlet is connected to a flexible duct connection within the cabinet to aide in anti-vibration.
- Insulated with high grade Melamine acoustic sheet.
- Durable galvanized plating is used on both the blower and cabinet.
- Cabinet corners are robust cast aluminum blocks.
- Both side access panels are secured with pressure locks that open quickly and easily with the push and turn of an Allen key.
- Heavy duty ball bearings are suitable for -65 F to +250 F temperatures.
- All models have machine keyed shafts on both ends for CW or CCW drive.

DESCRIPTION

The S&P CVTT with our standard features is the Quietest forward curved cabinet fan in its category. The CVTT range of belt-drive double inlet centrifugal cabinet fans consists of 10 nominal product sizes with motor powers ranging from 0.18 up to 15.0kW. Airflow performances range from 500 up to 42,000 m³/hr, with static pressures up to 600 mmWG. The CVTT series can be supplied suitable for either horizontal (H) or vertical (V) air discharge depending upon the requirements of the installation. In addition to special order, the units can be supplied with circular inlet and discharge duct connection flanges (rectangular supplied as standard). The CVTT range of fans offer a very flexible supply or exhaust air ventilation solution to many applications, including the ventilation of factory units, offices, restaurants and commercial kitchens.

DIMENSIONAL DATA



Model	METRIC SHAFT	WT (LBS)
07	20 mm	91
09	20 mm	110
10	20 mm	140
12	20 mm	187
15	25 mm	229
18	25 mm	312
20	35 mm	572

Metric Shafts have 'H' bushings installed to accommodate common pulleys

Dimensions in Inches

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
07	21-13/16	27-15/16	19	9-1/8	8-3/4	3-5/8	12-13/16	12-13/16	1-9/16	1-3/16	30-11/16	-	-
09	23-13/16	31-1/2	21-13/16	11-13/16	10-1/4	3-3/4	15-3/4	15-3/4	1-9/16	1-3/16	34-1/4	-	-
10	27-15/16	33-7/16	23-13/16	13-1/8	11-3/8	3-11/16	17-11/16	17-11/16	1-9/16	1-3/16	36-1/4	-	-
12	30-1/2	37-3/8	26-9/16	15-9/16	13-7/16	3-1/4	19-11/16	19-11/16	1-9/16	1-3/16	40-3/16	-	-
15	37-3/8	40-1/16	30-1/2	18-5/8	15-7/8	3-7/16	23-5/8	23-5/8	1-9/16	1-3/16	42-13/16	-	-
18	40-1/16	49-3/16	35-7/16	21-7/8	18-7/8	3-1/4	27-9/16	27-9/16	1-9/16	1-3/16	51-15/16	-	-
20	49-3/16	53-1/8	44-7/8	24-13/16	24-13/16	5-3/8	31-1/2	31-1/2	1-9/16	1-3/16	55-7/8	59-7/16	3-1/8



CONSTRUCTION/SPECIFICATION CHECKLIST

Fan Housing

- Manufactured from high grade galvanized sheet steel.
- Side, top and base panels include high grade Melamine sheet acoustic insulation.
- Motor side access panel includes inspection pressure locks.
- All models are supplied as standard with the belt-drive transmission on the right hand side, when viewed from the inlet. If required, to special order, the belt-drive transmission can be supplied on the left hand side.

Fan/Impeller

- All models include double inlet, low pressure forward curved centrifugal fans as standard.
- All fan-impeller assemblies are mounted on anti-vibration mountings within the cabinet and connected to the discharge with a flexible connecting flange.
- The CVTT range can be supplied in two versions: with horizontal discharge (H); or with vertical discharge (V). As standard, all models are supplied in horizontal (H) format.

Motor/Transmission

- All models are supplied with Three Phase 230/400V 50Hz, IP55 motors.
- All motors up to 2.2kW are mounted directly to the impeller fan scroll (as in photograph).
- All motors larger than 3.0kW are mounted behind the fan scroll, directly to a robust fan-impeller base frame.
- All models utilize a standard belt and pulley transmission system.

OPTIONS

- Insulated Filter Section with 1” wide aluminum mesh filter. Will accept a 2” wide filter.
- Heating and cooling coils – Call Factory.
- Motor and drives installed.
- Pitched roof top for exterior installations.
- Inlet/Outlet wire guards.
- Intake hood with 1” aluminum mesh filter.
- Model sizes CVTT22, CVTT25, CVTT30 by request.



PERFORMANCE DATA

CVTT07

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	467	507	0.01	706	0.03	856	0.04	980	0.05	1088	0.07	1184	0.09	1354	0.13	1502	0.17	1634	0.21	1756	0.26	1869	0.31	1975	0.36	2074	0.42
300	701	530	0.02	719	0.03	872	0.05	1001	0.07	1114	0.09	1214	0.11	1391	0.16	1544	0.2	1682	0.26	1807	0.31	1923	0.37	2031	0.43	2133	0.49
400	934	579	0.03	741	0.05	886	0.06	1013	0.09	1127	0.11	1230	0.13	1412	0.19	1571	0.24	1712	0.3	1841	0.36	1960	0.42	2071	0.49	2176	0.56
500	1168	645	0.04	783	0.06	912	0.08	1031	0.11	1141	0.13	1242	0.16	1425	0.22	1586	0.28	1731	0.34	1863	0.41	1985	0.48	2099	0.56	2206	0.63
600	1401	720	0.06	840	0.08	953	0.11	1061	0.13	1163	0.16	1260	0.19	1438	0.25	1598	0.32	1744	0.39	1878	0.47	2002	0.54	2118	0.62	2227	0.71
700	1635	801	0.09	907	0.11	1007	0.14	1104	0.17	1197	0.2	1287	0.23	1456	0.29	1612	0.37	1756	0.45	1890	0.53	2015	0.61	2132	0.7	-	-
800	1868	885	0.12	981	0.15	1071	0.18	1158	0.21	1243	0.24	1325	0.27	1483	0.34	1632	0.42	1772	0.5	1903	0.59	2027	0.68	2144	0.77	-	-
900	2102	972	0.17	1059	0.2	1141	0.23	1221	0.26	1298	0.29	1374	0.33	1520	0.4	1660	0.49	1793	0.57	1920	0.66	2041	0.76	-	-	-	-
1000	2335	1061	0.22	1141	0.26	1217	0.29	1290	0.32	1361	0.36	1430	0.4	1566	0.48	1697	0.56	1823	0.65	1944	0.74	-	-	-	-	-	-
1100	2569	1150	0.29	1225	0.33	1296	0.36	1363	0.4	1429	0.44	1494	0.48	1620	0.56	1742	0.65	1861	0.74	-	-	-	-	-	-	-	-
1200	2802	1241	0.37	1311	0.41	1377	0.45	1440	0.49	1502	0.53	1562	0.57	1679	0.66	1794	0.75	-	-	-	-	-	-	-	-	-	-
1300	3036	1333	0.46	1398	0.51	1460	0.55	1520	0.59	1577	0.63	1634	0.68	1744	0.77	-	-	-	-	-	-	-	-	-	-	-	-
1400	3270	1426	0.57	1487	0.62	1545	0.66	1601	0.71	1655	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500	3503	1519	0.69	1576	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CVTT09

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
500	749	442	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
600	899	455	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700	1049	481	0.06	624	0.1	-	-	-	-	-	-	-	-	-	-	-	-
800	1199	513	0.08	634	0.12	-	-	-	-	-	-	-	-	-	-	-	-
900	1349	550	0.1	655	0.14	766	0.2	-	-	-	-	-	-	-	-	-	-
1000	1499	588	0.13	683	0.17	780	0.23	883	0.3	-	-	-	-	-	-	-	-
1100	1648	628	0.16	715	0.21	801	0.26	891	0.33	987	0.41	-	-	-	-	-	-
1200	1798	669	0.2	751	0.25	829	0.31	909	0.37	993	0.45	-	-	-	-	-	-
1300	1948	711	0.25	788	0.3	860	0.36	933	0.42	1008	0.5	1086	0.58	-	-	-	-
1400	2098	753	0.31	826	0.36	894	0.42	962	0.48	1030	0.55	1100	0.64	1248	0.83	-	-
1500	2248	795	0.37	866	0.43	930	0.49	993	0.55	1056	0.62	1120	0.7	1254	0.89	1397	1.12
1600	2398	838	0.44	906	0.5	968	0.56	1027	0.63	1086	0.7	1145	0.78	1267	0.96	-	-
1700	2548	881	0.51	947	0.58	1006	0.65	1063	0.72	1118	0.79	1173	0.87	1286	1.05	-	-
1800	2697	924	0.6	989	0.67	1046	0.74	1100	0.82	1152	0.89	1204	0.97	-	-	-	-
1900	2847	967	0.7	1031	0.77	1086	0.85	1138	0.93	1188	1	1237	1.09	-	-	-	-
2000	2997	1010	0.8	1073	0.89	1127	0.97	1176	1.05	1225	1.13	-	-	-	-	-	-
2100	3147	1054	0.92	1115	1.01	1167	1.09	-	-	-	-	-	-	-	-	-	-
2200	3297	1098	1.05	1158	1.14	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





MODEL CVTT
BELT DRIVE CENTRIFUGAL CABINET FAN



CVTT10

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
400	474	372	0.02	512	0.04	617	0.07	707	0.09	785	0.12	856	0.15	982	0.21	1093	0.28	1193	0.36	1286	0.44	1371	0.52	1452	0.61	1528	0.71
500	593	380	0.03	521	0.05	627	0.08	718	0.1	795	0.13	866	0.17	992	0.23	1103	0.31	1204	0.39	1296	0.47	1382	0.56	1463	0.66	1539	0.76
600	711	389	0.04	529	0.06	637	0.09	728	0.12	807	0.15	877	0.19	1003	0.26	1114	0.34	1214	0.42	1307	0.51	1392	0.61	1473	0.71	1549	0.81
700	830	398	0.04	537	0.07	645	0.11	735	0.14	816	0.17	886	0.21	1014	0.29	1124	0.37	1226	0.46	1317	0.56	1403	0.66	1483	0.76	1560	0.87
800	949	408	0.05	546	0.09	653	0.12	744	0.16	825	0.2	897	0.24	1024	0.32	1134	0.41	1234	0.51	1327	0.61	1413	0.71	1494	0.82	1570	0.93
900	1067	420	0.06	554	0.1	662	0.14	752	0.18	832	0.22	904	0.27	1033	0.36	1144	0.45	1246	0.55	1339	0.66	1423	0.77	1504	0.88	1580	0.99
1000	1186	435	0.08	563	0.12	670	0.16	761	0.21	841	0.25	913	0.3	1042	0.4	1153	0.5	1254	0.6	1348	0.71	1435	0.83	1514	0.94	1590	1.07
1100	1304	452	0.1	574	0.14	679	0.18	769	0.23	849	0.28	921	0.33	1049	0.44	1162	0.54	1265	0.66	1358	0.77	1444	0.89	1524	1.01	-	-
1200	1423	472	0.11	585	0.16	688	0.21	777	0.26	857	0.31	930	0.37	1058	0.48	1171	0.59	1274	0.71	1367	0.83	1454	0.96	1535	1.09	-	-
1300	1541	493	0.14	598	0.18	697	0.24	786	0.29	866	0.35	938	0.41	1066	0.53	1179	0.65	1281	0.77	1376	0.9	1463	1.03	-	-	-	-
1400	1660	513	0.16	613	0.21	708	0.27	795	0.33	874	0.39	946	0.45	1075	0.57	1188	0.7	1290	0.83	1383	0.97	1470	1.11	-	-	-	-
1500	1779	536	0.19	631	0.24	720	0.3	805	0.36	883	0.43	955	0.49	1083	0.63	1196	0.76	1298	0.9	1392	1.04	-	-	-	-	-	-
1600	1897	561	0.22	649	0.28	733	0.34	816	0.4	893	0.47	964	0.54	1091	0.68	1204	0.82	1307	0.97	1400	1.12	-	-	-	-	-	-
1700	2016	586	0.26	667	0.31	748	0.38	828	0.44	903	0.52	973	0.59	1100	0.74	1213	0.89	1315	1.04	-	-	-	-	-	-	-	-
1800	2134	612	0.3	688	0.36	764	0.42	840	0.49	914	0.57	982	0.64	1108	0.8	1221	0.96	1323	1.12	-	-	-	-	-	-	-	-
1900	2253	638	0.34	708	0.4	783	0.47	854	0.54	925	0.62	993	0.7	1117	0.86	1229	1.03	-	-	-	-	-	-	-	-	-	-
2000	2371	665	0.39	730	0.45	801	0.53	869	0.6	938	0.68	1004	0.76	1127	0.93	1238	1.11	-	-	-	-	-	-	-	-	-	-
2100	2490	692	0.45	754	0.51	821	0.58	886	0.66	952	0.74	1016	0.83	1137	1.01	-	-	-	-	-	-	-	-	-	-	-	-
2200	2608	720	0.51	778	0.58	841	0.65	905	0.73	966	0.81	1029	0.9	1147	1.08	-	-	-	-	-	-	-	-	-	-	-	-
2300	2727	747	0.58	802	0.64	861	0.72	923	0.8	982	0.88	1042	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2400	2846	776	0.65	828	0.72	883	0.79	941	0.88	999	0.96	1057	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500	2964	804	0.73	853	0.8	906	0.88	961	0.96	1017	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2600	3083	832	0.82	879	0.89	929	0.97	982	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2700	3201	861	0.91	906	0.98	954	1.06	1004	1.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2800	3320	889	1.01	933	1.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2900	3438	918	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





MODEL CVTT
BELT DRIVE CENTRIFUGAL CABINET FAN



CVTT12

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
800	678	345	0.05	475	0.09	573	0.13	654	0.18	724	0.23	787	0.28	896	0.39	992	0.51	1077	0.64	1155	0.77	1228	0.91	1296	1.05	1360	1.2
900	763	349	0.06	478	0.1	578	0.15	660	0.2	731	0.25	795	0.31	906	0.43	1003	0.55	1089	0.69	1168	0.82	1241	0.97	1309	1.12	1374	1.27
1000	848	351	0.06	481	0.11	582	0.16	666	0.22	738	0.27	802	0.34	915	0.46	1012	0.59	1100	0.73	1179	0.88	1253	1.03	1322	1.19	1387	1.35
1100	932	357	0.07	484	0.12	585	0.18	670	0.24	743	0.3	809	0.36	923	0.5	1021	0.64	1109	0.78	1190	0.94	1264	1.1	1333	1.26	1399	1.43
1200	1017	365	0.08	489	0.14	588	0.19	674	0.26	748	0.32	814	0.39	929	0.53	1029	0.68	1118	0.84	1199	1	1274	1.16	1344	1.33	1410	1.51
1300	1102	374	0.1	492	0.15	591	0.21	677	0.28	752	0.35	819	0.42	935	0.57	1036	0.73	1126	0.89	1208	1.05	1284	1.23	1354	1.41	-	-
1400	1187	384	0.11	495	0.17	596	0.23	680	0.3	755	0.38	823	0.45	941	0.61	1043	0.77	1134	0.94	1216	1.12	1292	1.3	1364	1.48	-	-
1500	1272	398	0.13	501	0.19	600	0.25	684	0.33	758	0.4	826	0.48	945	0.65	1048	0.82	1140	0.99	1224	1.18	1300	1.36	1372	1.56	-	-
1600	1356	415	0.15	508	0.21	603	0.28	688	0.35	761	0.43	829	0.52	949	0.69	1053	0.87	1146	1.05	1230	1.24	1308	1.44	-	-	-	-
1700	1441	425	0.17	516	0.23	606	0.3	691	0.38	764	0.46	832	0.55	953	0.73	1058	0.91	1151	1.11	1236	1.3	1314	1.51	-	-	-	-
1800	1526	435	0.2	525	0.26	612	0.33	695	0.41	769	0.5	835	0.59	956	0.77	1062	0.97	1156	1.17	1242	1.37	1321	1.58	-	-	-	-
1900	1611	450	0.22	535	0.29	618	0.36	699	0.45	772	0.53	840	0.63	959	0.82	1065	1.02	1160	1.23	1247	1.44	1326	1.66	-	-	-	-
2000	1695	465	0.25	545	0.32	625	0.4	702	0.48	776	0.57	844	0.67	962	0.87	1068	1.07	1164	1.29	1251	1.51	-	-	-	-	-	-
2100	1780	481	0.29	557	0.36	633	0.43	707	0.52	779	0.61	848	0.71	965	0.91	1071	1.13	1167	1.35	1255	1.58	-	-	-	-	-	-
2200	1865	496	0.32	571	0.4	642	0.47	714	0.56	783	0.66	851	0.76	969	0.97	1074	1.19	1171	1.42	1259	1.65	-	-	-	-	-	-
2300	1950	513	0.36	585	0.44	652	0.52	721	0.61	788	0.7	853	0.81	973	1.02	1077	1.25	1174	1.48	-	-	-	-	-	-	-	-
2400	2034	529	0.4	597	0.48	662	0.56	729	0.66	794	0.75	857	0.86	978	1.08	1080	1.31	1177	1.55	-	-	-	-	-	-	-	-
2500	2119	546	0.45	609	0.52	674	0.61	738	0.71	801	0.81	862	0.91	982	1.14	1085	1.38	1179	1.63	-	-	-	-	-	-	-	-
2600	2204	563	0.5	624	0.57	685	0.67	747	0.76	808	0.87	868	0.97	985	1.2	1089	1.45	-	-	-	-	-	-	-	-	-	-
2700	2289	580	0.55	638	0.62	701	0.73	757	0.82	817	0.93	875	1.04	989	1.27	1093	1.52	-	-	-	-	-	-	-	-	-	-
2800	2373	597	0.61	653	0.7	715	0.79	768	0.89	825	0.99	882	1.1	991	1.34	1097	1.6	-	-	-	-	-	-	-	-	-	-
2900	2458	615	0.67	669	0.76	729	0.86	779	0.96	835	1.06	890	1.17	996	1.42	-	-	-	-	-	-	-	-	-	-	-	-
3000	2543	632	0.74	684	0.83	740	0.93	791	1.03	845	1.14	898	1.25	1002	1.5	-	-	-	-	-	-	-	-	-	-	-	-
3100	2628	650	0.81	700	0.9	752	1	806	1.1	855	1.21	907	1.33	1009	1.58	-	-	-	-	-	-	-	-	-	-	-	-
3200	2713	668	0.88	716	0.98	766	1.08	821	1.19	866	1.3	917	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3300	2797	685	0.96	733	1.06	781	1.16	834	1.27	878	1.39	927	1.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3400	2882	703	1.05	749	1.15	796	1.25	846	1.36	890	1.48	937	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3500	2967	721	1.14	766	1.24	811	1.35	857	1.46	906	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3600	3052	740	1.23	783	1.34	826	1.45	871	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3700	3136	758	1.33	800	1.44	842	1.55	885	1.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3800	3221	776	1.44	817	1.55	858	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3900	3306	794	1.55	834	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	3391	813	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





CVTT15

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1700	1039	283	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	1100	289	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	1161	295	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	1222	302	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2100	1283	310	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2200	1345	318	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2300	1406	326	0.2	396	0.27	-	-	-	-	-	-	-	-	-	-	-	-
2400	1467	335	0.22	401	0.29	-	-	-	-	-	-	-	-	-	-	-	-
2500	1528	344	0.25	406	0.31	-	-	-	-	-	-	-	-	-	-	-	-
2600	1589	354	0.27	412	0.34	-	-	-	-	-	-	-	-	-	-	-	-
2700	1650	363	0.3	418	0.37	-	-	-	-	-	-	-	-	-	-	-	-
2800	1711	373	0.33	425	0.4	-	-	-	-	-	-	-	-	-	-	-	-
2900	1772	383	0.36	433	0.43	489	0.52	549	0.62	-	-	-	-	-	-	-	-
3000	1834	393	0.4	441	0.47	494	0.55	551	0.65	-	-	-	-	-	-	-	-
3100	1895	403	0.44	449	0.5	499	0.59	554	0.69	-	-	-	-	-	-	-	-
3200	1956	414	0.48	457	0.54	505	0.62	558	0.73	-	-	-	-	-	-	-	-
3300	2017	424	0.52	466	0.58	512	0.67	562	0.77	615	0.88	-	-	-	-	-	-
3400	2078	434	0.56	475	0.63	519	0.71	567	0.81	618	0.93	-	-	-	-	-	-
3500	2139	445	0.61	484	0.68	526	0.76	572	0.86	621	0.98	672	1.1	-	-	-	-
3600	2200	456	0.66	493	0.72	534	0.81	578	0.91	625	1.03	674	1.15	-	-	-	-
3700	2261	466	0.71	502	0.78	542	0.86	584	0.96	629	1.08	676	1.22	-	-	-	-
3800	2322	477	0.77	512	0.83	550	0.92	590	1.02	634	1.14	679	1.26	770	1.54	-	-
3900	2384	488	0.82	522	0.89	558	0.98	597	1.08	639	1.19	683	1.33	774	1.6	-	-
4000	2445	499	0.88	532	0.96	567	1.04	604	1.14	645	1.25	687	1.39	775	1.66	-	-
4100	2506	510	0.95	541	1.02	575	1.11	612	1.21	651	1.32	691	1.45	777	1.73	-	-
4200	2567	521	1.02	552	1.09	585	1.17	620	1.28	657	1.39	696	1.52	779	1.8	-	-
4300	2628	532	1.09	562	1.17	594	1.25	628	1.35	664	1.46	701	1.58	781	1.88	-	-
4400	2689	543	1.16	572	1.24	603	1.32	636	1.42	671	1.54	707	1.66	785	1.96	865	2.27
4500	2750	554	1.24	582	1.32	612	1.4	644	1.5	678	1.62	713	1.74	788	2.03	867	2.35
4600	2811	565	1.31	593	1.4	622	1.48	653	1.59	685	1.7	720	1.82	792	2.11	869	2.43
4700	2873	576	1.4	603	1.48	632	1.57	662	1.67	693	1.79	726	1.91	796	2.2	871	2.52
4800	2934	587	1.48	614	1.57	641	1.66	670	1.76	701	1.94	733	2	801	2.28	873	2.61
4900	2995	599	1.58	624	1.66	651	1.75	679	1.86	709	2.03	740	2.1	806	2.38	876	2.71
5000	3056	610	1.67	635	1.76	661	1.85	689	1.95	718	2.13	748	2.19	812	2.47	880	2.81
5100	3117	621	1.77	645	1.86	671	1.95	698	2.05	726	2.23	755	2.3	818	2.58	884	2.91
5200	3178	632	1.87	656	1.97	681	2.05	707	2.16	735	2.35	763	2.4	824	2.68	888	3.01
5300	3239	644	1.98	667	2.07	691	2.16	717	2.27	744	2.39	771	2.51	830	2.79	893	3.12
5400	3300	655	2.09	678	2.19	702	2.28	727	2.38	753	2.5	780	2.63	837	2.91	898	3.23
5500	3361	666	2.2	689	2.3	712	2.4	736	2.5	762	2.62	788	2.75	844	3.03	-	-
5600	3423	677	2.32	699	2.42	722	2.52	746	2.62	771	2.74	797	2.87	851	3.15	-	-
5700	3484	689	2.44	710	2.55	733	2.65	756	2.75	780	2.87	805	3	-	-	-	-
5800	3545	700	2.57	721	2.67	743	2.78	766	2.88	790	3	814	3.13	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





CVTT18

Table with 22 columns (CFM, 1/8 SP, 1/4 SP, 3/8 SP, 1/2 SP, 5/8 SP, 3/4 SP, 1 SP, 1-1/4 SP, 1-1/2 SP, 2 SP) and 20 rows of performance data.

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.



CVTT20

Table with 22 columns (CFM, 1/8 SP, 1/4 SP, 3/8 SP, 1/2 SP, 5/8 SP, 3/4 SP, 1 SP, 1-1/4 SP, 1-1/2 SP, 2 SP) and 20 rows of performance data.

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





SOUND DATA

CVTT07

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
500	2	-	-	-	-	-	-	-	-	-	-	-	-
600	3.8	-	-	-	-	-	-	-	-	-	-	-	-
700	5.5	4.3	-	-	-	-	-	-	-	-	-	-	-
800	7.4	6.2	5.3	-	-	-	-	-	-	-	-	-	-
900	11.3	8.2	7.2	6.5	-	-	-	-	-	-	-	-	-
1000	11.7	10.4	9.3	8.5	7.9	-	-	-	-	-	-	-	-
1100	13.7	12.9	11.7	10.8	10	9.4	-	-	-	-	-	-	-
1200	27	15.9	14.3	13.3	12.5	11.8	-	-	-	-	-	-	-
1300	31	19.9	16.8	15.6	14.8	14.1	13.3	-	-	-	-	-	-
1400	34	24	19.2	18.2	17.3	16.5	15.7	-	-	-	-	-	-
1500	37	28	23	21	20	19.2	18.1	17.6	-	-	-	-	-
1600	39	32	27	23	23	22	21	20	19.6	-	-	-	-
1700	42	35	31	27	26	25	24	23	22	22	-	-	-
1800	43	38	34	31	29	28	27	26	25	24	24	-	-
1900	45	41	38	35	33	32	30	29	28	27	27	26	26
2000	47	44	41	39	38	36	34	32	31	30	30	30	29
2100	50	48	46	44	43	41	39	37	35	34	33	33	32
2200	55	53	51	50	48	46	43	41	39	38	37	36	36

CVTT09

RPM	Sound Performance Sones (Inches w.g.)							
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25
400	4.4	-	-	-	-	-	-	-
450	5.5	-	-	-	-	-	-	-
500	6.8	-	-	-	-	-	-	-
550	8.3	8.1	-	-	-	-	-	-
600	10	9.4	-	-	-	-	-	-
650	12.2	11.5	-	-	-	-	-	-
700	14.4	13.8	13.4	-	-	-	-	-
750	16.8	16.2	15.6	-	-	-	-	-
800	19.1	18.6	18	17.8	-	-	-	-
850	21	21	20	20	20	-	-	-
900	24	23	23	23	22	-	-	-
950	26	26	26	25	25	-	-	-
1000	29	29	29	28	28	28	-	-
1050	32	32	32	31	31	31	-	-
1100	35	35	34	34	34	33	-	-
1150	37	37	37	36	36	36	36	-
1200	40	40	39	39	39	39	38	-
1250	43	43	42	42	42	41	41	41
1300	47	46	46	45	45	44	44	43

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.



CVTT10

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
400	2.7	-	-	-	-	-	-	-	-	-	-	-	-
450	4.4	-	-	-	-	-	-	-	-	-	-	-	-
500	6	3.1	-	-	-	-	-	-	-	-	-	-	-
550	7.6	4.8	-	-	-	-	-	-	-	-	-	-	-
600	9.3	6.7	4.6	-	-	-	-	-	-	-	-	-	-
650	11	8.8	6.2	-	-	-	-	-	-	-	-	-	-
700	12.8	10.7	8	6.2	-	-	-	-	-	-	-	-	-
750	14.4	12.5	10.2	7.8	6.9	-	-	-	-	-	-	-	-
800	16.2	14.4	12.5	9.9	7.9	-	-	-	-	-	-	-	-
850	18	16.4	14.5	12.2	9.9	8.6	-	-	-	-	-	-	-
900	19.8	18.5	16.6	14.6	12.2	10.2	-	-	-	-	-	-	-
950	22	21	18.8	17.1	14.7	12.5	-	-	-	-	-	-	-
1000	24	23	21	19.3	17.3	15	11.5	-	-	-	-	-	-
1050	26	25	23	21	20	17.6	13.8	-	-	-	-	-	-
1100	28	27	25	24	22	20	16.2	13.7	-	-	-	-	-
1150	30	29	28	26	25	23	18.9	15.7	-	-	-	-	-
1200	32	31	30	29	27	26	22	18.3	16.2	-	-	-	-
1250	34	33	32	31	29	28	25	21	18.1	-	-	-	-
1300	37	36	35	34	32	30	28	24	21	18.7	-	-	-
1350	39	38	37	36	35	33	30	26	23	20	19.8	-	-
1400	42	41	40	39	37	36	33	30	26	23	21	-	-
1450	44	43	42	42	40	39	36	33	29	26	23	22	22
1500	47	46	45	44	43	42	38	36	32	29	26	24	24
1550	50	49	48	47	46	45	41	39	35	32	29	27	25
1600	53	52	51	50	49	48	45	42	39	35	32	30	27

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.



CVTT12

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
400	3.9	-	-	-	-	-	-	-	-	-	-	-	-
450	5.3	4	-	-	-	-	-	-	-	-	-	-	-
500	6.8	5.4	4.4	-	-	-	-	-	-	-	-	-	-
550	8.6	6.9	5.9	-	-	-	-	-	-	-	-	-	-
600	10.5	8.6	7.4	6.6	-	-	-	-	-	-	-	-	-
650	12.6	10.5	9.1	8.2	7.4	-	-	-	-	-	-	-	-
700	14.7	12.6	11	9.9	9.2	8.4	-	-	-	-	-	-	-
750	16.8	14.9	13	11.7	10.8	10	-	-	-	-	-	-	-
800	18.9	17.2	15.2	13.7	12.6	11.7	10.2	-	-	-	-	-	-
850	21	19.4	17.5	15.8	14.7	13.7	12	10.4	-	-	-	-	-
900	23	22	19.9	18.2	16.8	15.8	14	12.5	-	-	-	-	-
950	26	24	22	21	19.1	18	16.1	14.6	-	-	-	-	-
1000	28	27	25	23	22	20	18.4	16.7	15.3	-	-	-	-
1050	31	29	28	26	24	23	21	19	17.4	16.1	-	-	-
1100	33	32	30	29	27	25	23	21	19.8	18.4	-	-	-
1150	36	34	33	32	30	28	25	24	22	21	19.6	-	-
1200	39	37	36	35	33	31	28	26	25	23	22	21	-
1250	42	41	39	38	36	34	31	29	27	26	24	23	22
1300	45	44	42	41	40	38	34	32	30	28	27	26	25
1350	49	47	46	44	43	41	38	35	33	31	30	28	27
1400	52	51	49	48	47	45	41	39	36	34	33	31	30

CVTT15

RPM	Sound Performance Sones (Inches w.g.)							
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25
300	3.8	-	-	-	-	-	-	-
350	5.5	-	-	-	-	-	-	-
400	7.5	6.3	-	-	-	-	-	-
450	9.6	8.3	-	-	-	-	-	-
500	11.9	10.7	9.6	-	-	-	-	-
550	14.3	13.2	12.1	11.3	-	-	-	-
600	17	15.8	14.8	13.9	13.1	-	-	-
650	19.5	18.4	17.4	16.5	15.6	-	-	-
700	22	21	20	19.2	18.3	17.5	-	-
750	25	24	23	22	21	20	18.7	-
800	28	27	26	25	24	23	22	20
850	31	30	29	28	27	26	25	23
900	34	33	33	32	31	30	28	27
950	38	37	36	35	35	34	32	31
1000	42	41	40	40	39	38	36	35
1050	47	46	45	44	43	42	41	39
1100	51	50	50	49	48	47	46	44
1150	56	56	55	54	53	52	51	49
1200	62	61	60	59	58	58	56	55
1250	66	65	64	63	63	62	60	59
1300	70	69	69	68	67	66	65	63

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.