



Inline Centrifugal Fans



SQB • SQD • eSQD • CFD • CTB

Advancing Ventilation



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

Motor mounting plate with integral belt tensioning device.

Heavy-gauge galvanized steel housing (aluminum optional).

Deep spun venturi inlet.

Aluminum non-overloading backward inclined wheel.

Corrosion resistant fasteners.

Factory Run & Tested
Assures dependable operation

AMCA Seal
Assures rating of Sound and Air performance

Open drip-proof motor (many options available).

Adjustable motor sheave.

Cast iron pillow block air handling bearings.

Removable access panels (2) with neoprene gaskets.

Integral inlet and outlet duct flanges.

Removable drive and bearing covers.

UL Label
For electrical reliability

Model SQB is available in our Quickship program. Sizes 7-24 are available for next day or 3-day shipping from stock.

2 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by S&P USA.



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

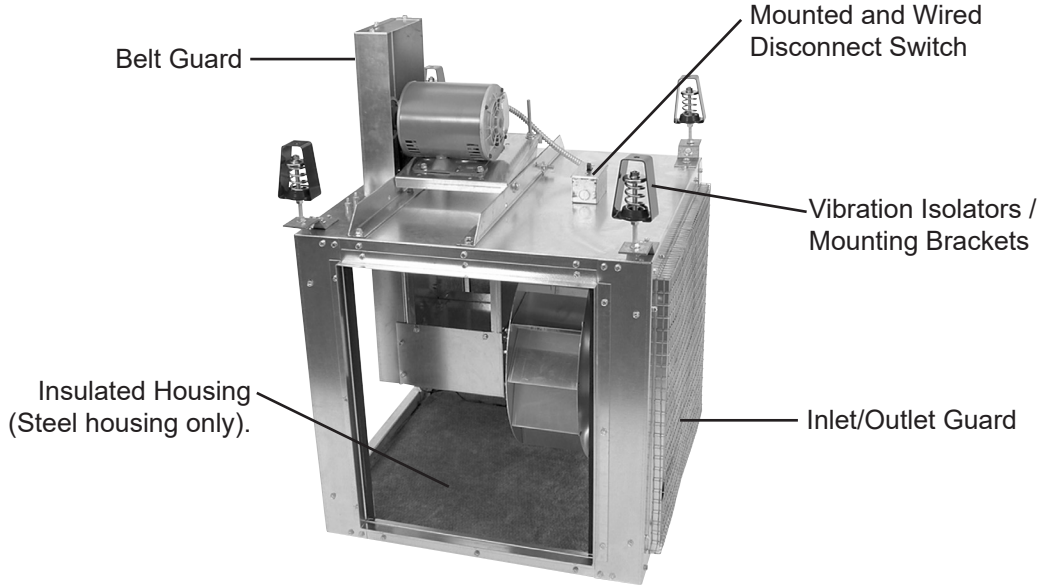
- Permanently sealed ball bearing type motor furnished to the specified voltage, phase, and enclosure.
- Open drip-proof is standard. Two speed, totally enclosed, and explosion proof motors can be specified for most models.
- Drives are specified for a minimum of 150% of driven horsepower. Cast iron 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.



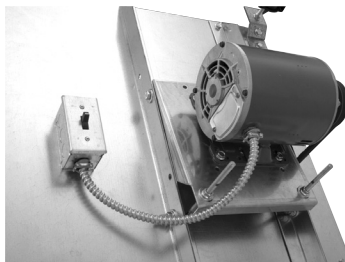
OPTIONS/ACCESSORIES



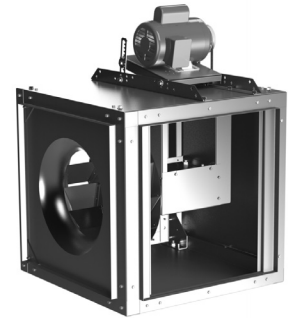
External Grease Fittings



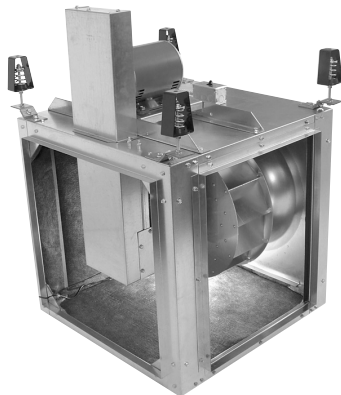
Mounted and Wired Disconnect



Side Discharge



Belt Guard



Motor Cover



Inlet/Outlet Guard





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



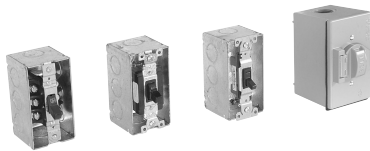
Hanging Spring Isolators



**Hanging Rubber in
Shear Isolators**



Assorted Disconnects



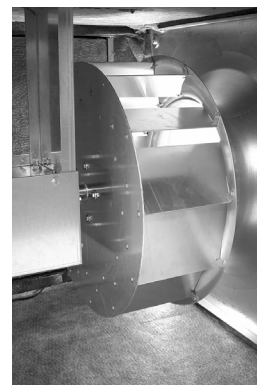
Heavy-duty Disconnect



Backdraft Damper



Insulated Housing



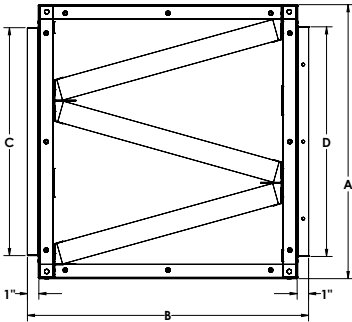


FILTER BOX OPTIONS



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

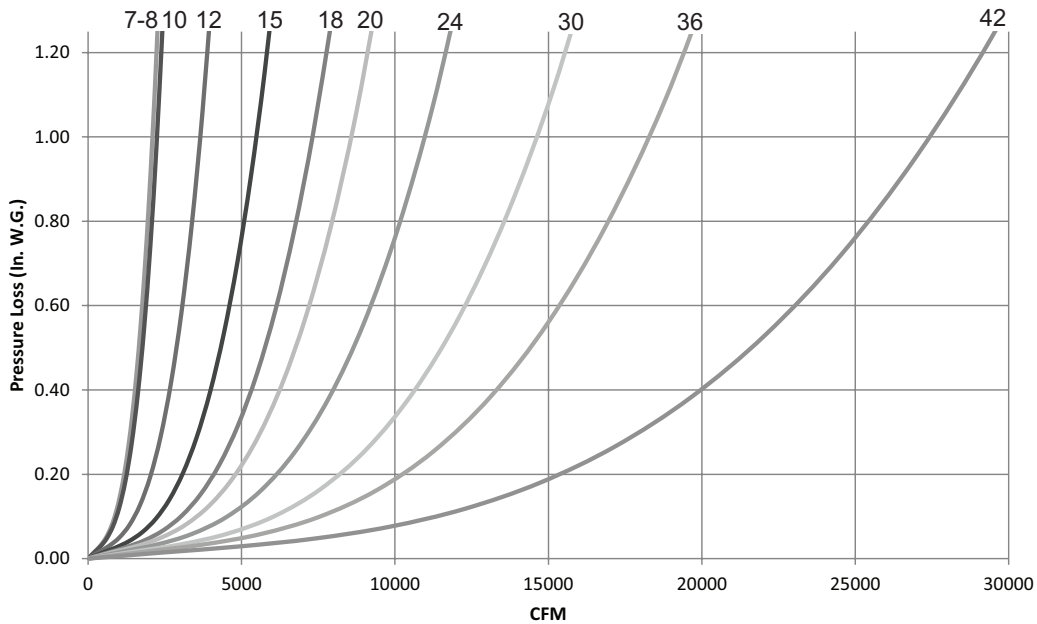
Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	2" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
07-08	25	25	11-7/8	12	29	16	2	15x20x2
10	18	24-1/2	13-7/8	14	37	19	2	16x20x2
12	22	29-1/8	17-7/8	18	50	26	2	20x25x2
15	24	24-5/8	21-7/8	22	49	25	3	20x25x2
18	28	24-5/8	23-7/8	24	65	34	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.

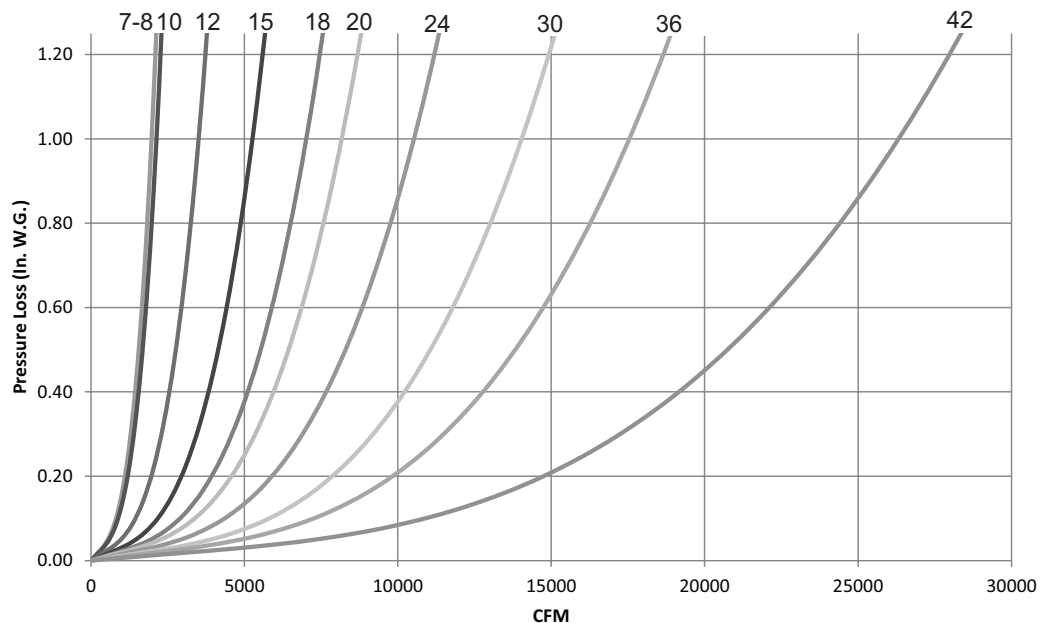
PRESSURE LOSS GUIDE FOR 1" FILTER BOX

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.



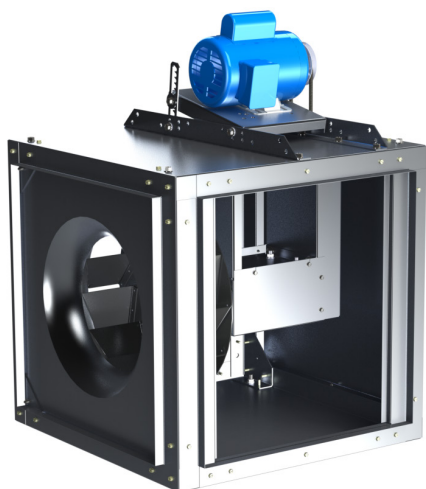
PRESSURE LOSS GUIDE FOR 2" FILTER BOX

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.



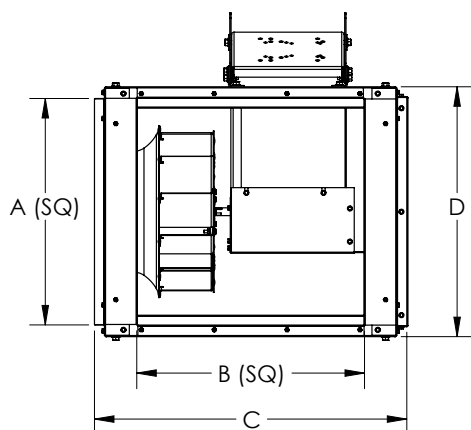


SIDE DISCHARGE OPTION



Dimensions (in.)

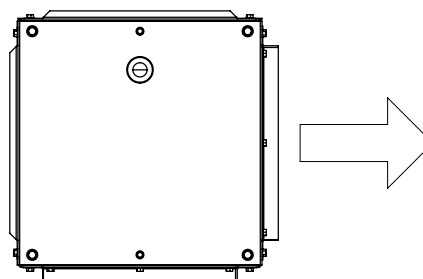
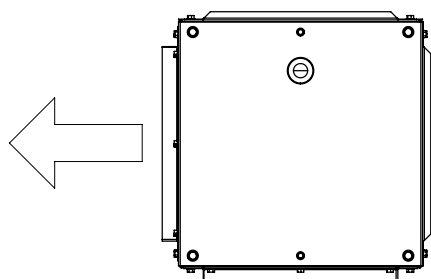
MODEL	A(IN)	B(IN)	C(IN)	D(IN)
SQB 7	11-7/8	11-7/8	23	15
SQB 8	11-7/8	11-7/8	23	15
SQB 10	13-7/8	13-7/8	23	17
SQB 12	17-7/8	17-7/8	23	21
SQB 15	21-7/8	21-7/8	30	24
SQB 15 HP	21-7/8	21-7/8	30	24
SQB 18	23-7/8	23-7/8	30	28
SQB 18 HP	23-7/8	23-7/8	30	28
SQB 20	27-7/8	27-7/8	34	32
SQB 20 HP	27-7/8	23-7/8	34	32
SQB 24	34-7/8	34-7/8	38	39
SQB 24 HP	34-7/8	34-7/8	38	39
SQB 30	39-7/8	39-7/8	40	44
SQB 30 HP	39-7/8	39-7/8	40	44
SQB 36	47-7/8	NA	45	52
SQB 36 HP	47-7/8	NA	45	52
SQB 42	53-7/8	NA	53	58



Side Discharge Directions

SIDE DISCHARGE LEFT

SIDE DISCHARGE RIGHT



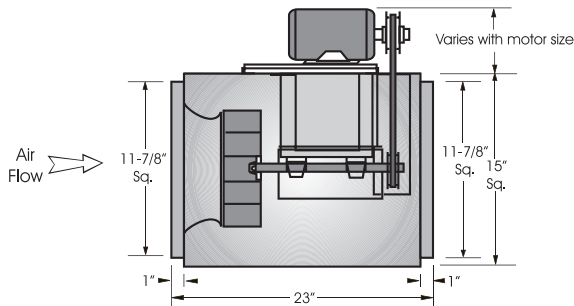
AIRFLOW

AIRFLOW



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	-	-	-	-	-	-	-	-	DP 1	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	-	-	-	-	-	-	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	-	-	-	-	-	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	-	-	-	-	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	-	-	-	-	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	.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.

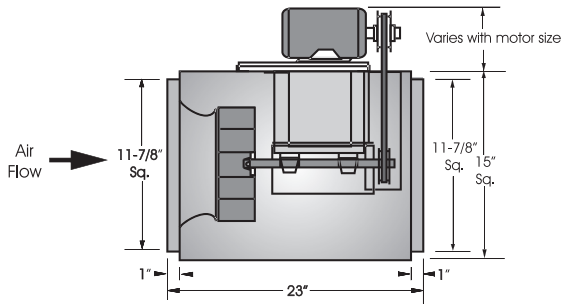


S&P USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the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





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		
542	460	336	-	-	-	-	-	-	-		1200	1/4	3220		
.07/7.0	.08/6.8	.07/6.8	-	-	-	-	-	-	-		1275	1/4	3421		
585	510	415	-	-	-	-	-	-	-		1350	1/4	3623		
.09/8.0	.09/7.8	.09/7.8	-	-	-	-	-	-	-		1425	1/4	3824		
627	558	477	331	-	-	-	-	-	-		1500	1/4	4025		
.10/8.7	.11/8.5	.11/8.4	.10/8.6	-	-	-	-	-	-		1575	1/4	4226		
669	604	532	434	-	-	-	-	-	-		1650	1/4	4428		
.12/9.5	.12/9.4	.13/9.2	.13/9.3	-	-	-	-	-	-		1725	1/4	4629		
711	650	584	503	346	-	-	-	-	-	DP6	1800	1/4	4830		
.14/10.2	.14/10.1	.15/10.0	.15/9.9	.14/10.0	-	-	-	-	-		1850	1/3	4964		
753	695	633	563	465	-	-	-	-	-		1900	1/3	5099		
.16/11.1	.16/10.9	.17/10.8	.17/10.7	.17/10.8	-	-	-	-	-		1950	1/3	5233		
794	738	681	618	539	397	-	-	-	-		2025	1/3	5434		
.18/12.0	.19/11.9	.19/11.7	.20/11.6	.20/11.7	.18/12.0	-	-	-	-		2075	1/2	5568		
835	782	728	669	602	509	-	-	-	-		DP7	2125	1/2	5702	
.21/13.1	.21/13.0	.22/12.8	.22/12.7	.23/12.6	.22/12.9	-	-	-	-			2175	1/2	5836	
876	825	774	719	658	584	-	-	-	-			2275	1/2	6105	
.24/14.3	.24/14.1	.25/13.9	.25/13.8	.26/13.7	.26/13.8	-	-	-	-			2325	1/2	6239	
903	853	804	752	694	627	-	-	-	-	DP8		2475	3/4	6642	
.26/15.0	.26/14.9	.27/14.7	.27/14.6	.28/14.4	.28/14.4	-	-	-	-			2625	3/4	7044	
930	882	833	783	729	667	445	-	-	-			DP9			
.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	-	-	-						
.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.

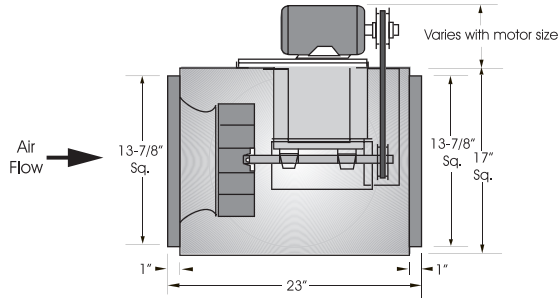


S&P USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the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





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	-	-	-	-	-	-		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	-	-	-	-	-	-	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	-	-	-	-	-	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	-	-	-	-	-				
.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.

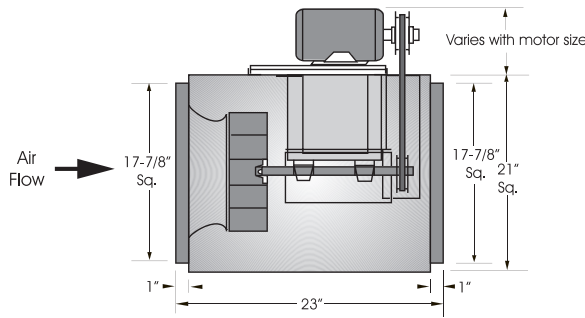


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SQB 12



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
.16/7.3	.16/7.0	.16/6.8	-	-	-	-	-	-	-	-		DP 18		1075	1/4
1518	1359	1165	806	-	-	-	-	-	-	-			DP 19	1120	1/4
.17/7.6	.18/7.4	.18/7.1	.15/6.9	-	-	-	-	-	-	-		DP 20		1170	1/4
.20/8.4	.20/8.1	.21/7.9	.20/7.7	-	-	-	-	-	-	-			DP 15	1225	1/3
1686	1544	1384	1177	-	-	-	-	-	-	-		DP 16		1275	1/3
.22/9.1	.23/8.9	.23/8.6	.23/8.4	-	-	-	-	-	-	-			DP 17	1325	1/2
1773	1639	1491	1312	1032	-	-	-	-	-	-		DP 18		1400	1/2
.25/10.0	.26/9.7	.26/9.4	.26/9.3	.24/9.1	-	-	-	-	-	-	DP 19		1475	1/2	5213
1868	1741	1604	1445	1235	-	-	-	-	-	-		DP 20	1525	3/4	5390
.29/11.0	.30/10.8	.30/10.5	.30/10.3	.30/10.1	-	-	-	-	-	-	DP 15		1575	3/4	5567
1954	1833	1704	1558	1380	1099	-	-	-	-	-		DP 16	1625	3/4	5743
.33/12.0	.33/11.8	.34/11.5	.34/11.3	.34/11.1	.31/10.9	-	-	-	-	-	DP 17		1675	3/4	5920
2040	1924	1801	1667	1509	1297	-	-	-	-	-		DP 18	1700	1	6008
.37/13.1	.37/12.8	.38/12.5	.39/12.3	.38/12.1	.37/11.9	-	-	-	-	-	DP 19		1750	1	6185
2168	2059	1945	1822	1685	1520	-	-	-	-	-		DP 20	1800	1	6362
.43/14.6	.44/14.3	.45/14.1	.45/13.8	.45/13.7	.45/13.5	-	-	-	-	-	DP 15		1850	1	6538
2296	2192	2085	1973	1850	1710	1282	-	-	-	-		DP 16	1900	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 17		1920	1-1/2	6715
2380	2280	2178	2070	1955	1827	1481	-	-	-	-		DP 18	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 19		2000	1-1/2	7069
2465	2368	2269	2167	2057	1938	1639	-	-	-	-		DP 20	2125	1-1/2	7510
.62/17.3	.62/17.1	.63/16.9	.64/16.7	.64/16.5	.65/16.4	.63/16.1	-	-	-	-	DP 15		2125	1-1/2	7510
2549	2456	2360	2262	2158	2046	1778	1303	-	-	-		DP 16	2125	1-1/2	7510
.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 17		2125	1-1/2	7510
2633	2543	2450	2356	2256	2151	1906	1545	-	-	-		DP 18	2125	1-1/2	7510
.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 19		2125	1-1/2	7510
2675	2586	2495	2402	2305	2202	1967	1638	-	-	-		DP 20	2125	1-1/2	7510
.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 15		2125	1-1/2	7510
2759	2672	2585	2495	2402	2304	2084	1800	1111	-	-		DP 16	2125	1-1/2	7510
.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 17		2125	1-1/2	7510
2843	2758	2673	2586	2497	2403	2197	1943	1539	-	-		DP 18	2125	1-1/2	7510
.92/22	.93/21	.93/21	.94/21	.95/21	.96/21	.97/20	.95/19.7	.87/19.5	-	-	DP 19		2125	1-1/2	7510
2926	2844	2762	2678	2591	2501	2306	2074	1751	-	-		DP 20	2125	1-1/2	7510
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 15		2125	1-1/2	7510
3010	2930	2850	2768	2684	2598	2412	2197	1920	1356	-		DP 16	2125	1-1/2	7510
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 17		2125	1-1/2	7510
3176	3101	3024	2947	2869	2788	2618	2428	2203	1897	-		DP 18	2125	1-1/2	7510
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 19		2125	1-1/2	7510
3384	3313	3241	3169	3096	3022	2866	2699	2510	2286	1979		DP 20	2125	1-1/2	7510
1.51/29	1.52/29	1.52/29	1.53/29	1.54/29	1.55/28	1.57/28	1.59/28	1.59/27	1.57/27	1.50/26					

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.

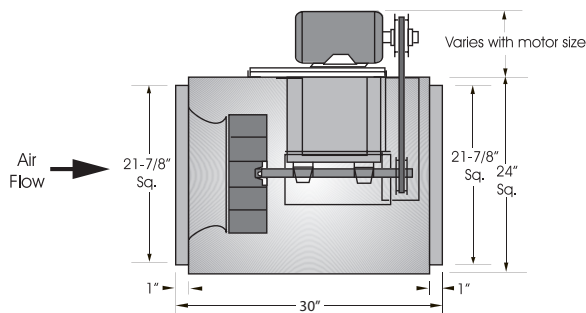


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SQB 15



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	-	-	-	-	-	-	-	-	-				
1753	1567	1349	-	-	-	-	-	-	-	-	-	DP 22	825	1/4	3348
.16/7.3	.16/6.8	.17/6.1	-	-	-	-	-	-	-	-	-				
1894	1721	1531	1269	-	-	-	-	-	-	-	-	DP 23	880	1/4	3571
.19/8.3	.20/7.7	.20/7.1	.20/6.3	-	-	-	-	-	-	-	-				
2071	1911	1745	1548	1227	-	-	-	-	-	-	-	DP 24	950	1/4	3855
.23/9.6	.24/9.0	.25/8.4	.26/7.7	.24/7.0	-	-	-	-	-	-	-				
2172	2018	1861	1684	1447	-	-	-	-	-	-	-	DP 25	990	1/3	4017
.26/10.3	.27/9.7	.29/9.2	.29/8.6	.29/7.8	-	-	-	-	-	-	-				
2347	2203	2058	1904	1723	1464	-	-	-	-	-	-	DP 26	1060	1/3	4301
.32/11.7	.33/11.1	.35/10.6	.36/10.2	.36/9.4	.35/8.7	-	-	-	-	-	-				
2459	2320	2182	2038	1877	1674	-	-	-	-	-	-	DP 27	1105	1/2	4484
.36/12.6	.38/12.1	.39/11.6	.40/11.1	.41/10.5	.40/9.7	-	-	-	-	-	-				
2595	2462	2331	2197	2052	1884	-	-	-	-	-	-	DP 28	1160	1/2	4707
.42/13.7	.43/13.3	.45/12.9	.46/12.4	.47/12.0	.47/11.1	-	-	-	-	-	-				
2707	2577	2452	2324	2189	2038	1576	-	-	-	-	-	DP 29	1205	1/2	4890
.47/14.9	.48/14.3	.50/13.9	.51/13.5	.52/13.1	.53/12.4	.49/10.8	-	-	-	-	-				
2842	2718	2597	2476	2350	2214	1865	-	-	-	-	-	DP 30	1260	3/4	5113
.54/16.0	.55/15.6	.56/15.1	.58/14.6	.59/14.2	.60/13.7	.59/12.2	-	-	-	-	-				
3026	2908	2794	2680	2564	2442	2159	1668	-	-	-	-	DP 31	1335	3/4	5417
.64/17.7	.65/17.2	.66/16.7	.68/16.3	.69/15.9	.71/15.4	.72/14.1	.66/12.7	-	-	-	-				
3124	3009	2897	2787	2675	2559	2298	1925	-	-	-	-	DP 32	1375	3/4	5580
.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	-	-	-	DP 33	1445	1	5864
.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	-	-	-	DP 34	1530	1	6209
.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	-	-	DP 35	1560	1-1/2	6330
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	-	-	DP 36	1625	1-1/2	6594
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	-	DP 37	1675	1-1/2	6797
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	-	DP 38	1735	1-1/2	7040
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	-	DP 39	1745	2	7081
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	DP 40	1785	2	7243
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	DP 41	1840	2	7467
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	DP 42	1910	2	7751
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.

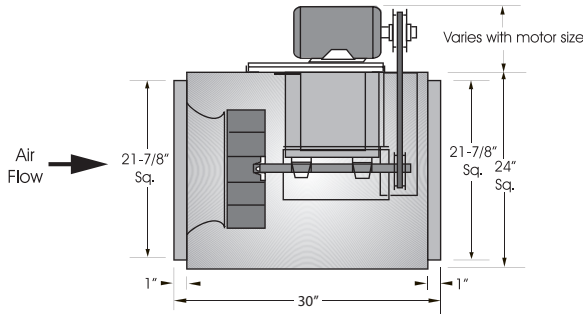


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SQBHP 15



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	-	-	-	-	-	-	-	-	-	-				
1432	1002											DP 29	1180	1/3	4788
.35/13.8	.32/13.1	-	-	-	-	-	-	-	-	-	-				
1850	1588	1220										DP 30	1340	1/2	5438
.51/18.2	.51/17.5	.48/16.8	-	-	-	-	-	-	-	-	-				
1910	1660	1326										DP 31	1365	1/2	5539
.53/18.8	.54/18.0	.52/17.4	-	-	-	-	-	-	-	-	-				
1969	1731	1422	847									DP 31	1390	3/4	5640
.56/19.4	.57/18.6	.55/17.9	.46/17.4	-	-	-	-	-	-	-	-				
2086	1865	1595	1200									DP 31	1440	3/4	5843
.62/21	.63/19.8	.62/19.1	.58/18.4	-	-	-	-	-	-	-	-				
2200	1994	1751	1431									DP 31	1490	3/4	6046
.69/22	.70/21	.70/20	.67/19.6	-	-	-	-	-	-	-	-				
2312	2118	1896	1621	1210								DP 32	1540	3/4	6249
.75/24	.77/23	.77/21	.76/21	.69/20	-	-	-	-	-	-	-				
2421	2239	2033	1788	1464								DP 32	1590	1	6452
.83/26	.84/24	.85/23	.84/22	.80/21	-	-	-	-	-	-	-				
2530	2356	2163	1941	1666	1255							DP 32	1640	1	6655
.90/27	.92/26	.93/25	.93/23	.90/23	.82/22	-	-	-	-	-	-				
2637	2471	2290	2085	1842	1521							DP 32	1690	1	6858
.98/29	1.00/28	1.02/27	1.02/25	1.01/24	.95/23	-	-	-	-	-	-				
2690	2528	2352	2154	1924	1630	1155						DP 32	1715	1	6959
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						DP 33	1740	1-1/2	7061
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					DP 33	1790	1-1/2	7264
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					DP 33	1840	1-1/2	7467
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				DP 33	1890	1-1/2	7669
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				DP 33	1940	1-1/2	7872
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			DP 33	1990	2	8075
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		DP 33	2040	2	8278
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		DP 33	2090	2	8481
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	DP 33	2110	2	8562
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	DP 33	2130	2	8643
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.

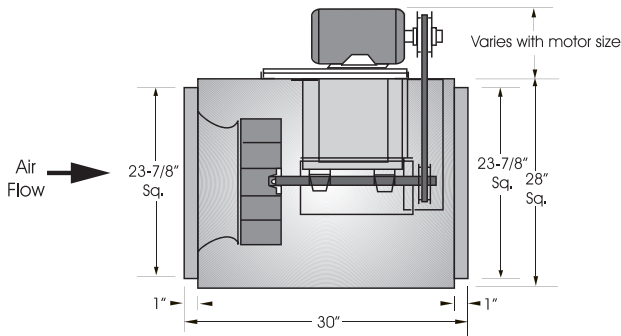


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SQB 18



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.

Table with columns for CFM / BHP @ Static Pressure / Sones (1/8 to 2-1/4) and Drive Range (DP 34 to DP 40). Rows list performance data for various fan models (e.g., 2395, 2600, 2803, etc.) across different drive ranges.

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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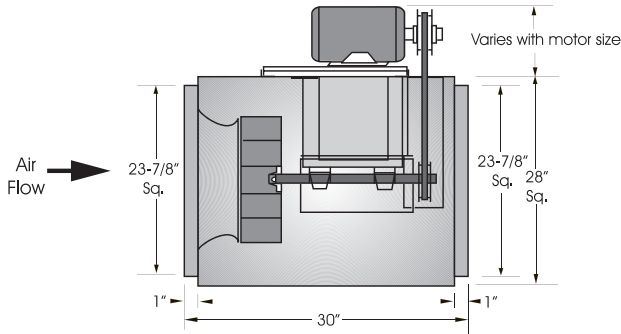




MODEL SQB

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 .50/9.5	-	-	-	-	-	-	-	-	-	-	DP 41	980	1/2	4746
2209 .53/9.9	1559 .47/9.0	-	-	-	-	-	-	-	-	-				
2318 .57/10.6	1845 .55/9.6	-	-	-	-	-	-	-	-	-	DP 42	1000	1/2	4843
2525 .65/11.9	2165 .66/10.8	-	-	-	-	-	-	-	-	-				
2721 .74/13.3	2416 .76/12.2	1857 .69/11.2	-	-	-	-	-	-	-	-	DP 43	1025	3/4	4964
2817 .78/14.0	2530 .81/12.9	2095 .78/11.9	-	-	-	-	-	-	-	-				
3004 .88/15.5	2746 .91/14.3	2410 .91/13.3	-	-	-	-	-	-	-	-	DP 44	1075	3/4	5207
3187 .98/17.0	2950 1.02/15.8	2664 1.04/14.7	2216 .99/13.8	-	-	-	-	-	-	-				
3277 1.03/17.6	3049 1.08/16.5	2780 1.10/15.4	2403 1.07/14.4	-	-	-	-	-	-	-	DP 45	1125	3/4	5449
3456 1.15/18.8	3242 1.20/17.8	3000 1.23/16.7	2696 1.23/15.7	2105 1.10/14.8	-	-	-	-	-	-				
3632 1.27/20	3429 1.32/19.1	3207 1.36/18.0	2945 1.38/17.1	2581 1.35/16.1	-	-	-	-	-	-	DP 46	1150	1	5570
3806 1.40/21	3613 1.46/20	3407 1.51/19.5	3172 1.53/18.5	2879 1.53/17.6	2374 1.41/16.7	-	-	-	-	-				
3978 1.54/23	3794 1.60/22	3600 1.65/21	3385 1.69/20	3133 1.70/19.1	2793 1.67/18.2	-	-	-	-	-	DP 47	1200	1	5812
4149 1.68/24	3973 1.75/23	3788 1.81/22	3589 1.86/21	3364 1.88/21	3087 1.87/19.7	2661 1.78/18.8	-	-	-	-				
4234 1.76/25	4061 1.83/24	3881 1.89/23	3688 1.94/22	3473 1.97/21	3217 1.98/20	2863 1.92/19.6	-	-	-	-	DP 48	1250	1	6054
4318 1.84/25	4149 1.91/25	3973 1.98/24	3786 2.03/23	3580 2.06/22	3340 2.08/21	3029 2.04/20	-	-	-	-				
4403 1.92/26	4236 2.00/25	4065 2.06/25	3883 2.12/24	3685 2.16/23	3458 2.18/22	3178 2.16/21	2731 2.03/20	-	-	-	DP 49	1275	1	6175
4570 2.09/28	4410 2.17/27	4245 2.24/26	4073 2.30/25	3888 2.35/24	3683 2.38/23	3442 2.38/23	3128 2.33/22	-	-	-				
4738 2.27/29	4582 2.35/28	4424 2.43/28	4259 2.50/27	4085 2.55/26	3896 2.59/25	3682 2.61/24	3424 2.59/23	3062 2.50/23	-	-	DP 50	1325	1-1/2	6417
4904 2.46/30	4753 2.55/30	4600 2.63/29	4443 2.70/28	4278 2.76/28	4100 2.81/27	3906 2.84/26	3682 2.85/25	3403 2.81/24	2963 2.64/24	-				
4987 2.56/31	4838 2.65/30	4688 2.73/30	4534 2.81/29	4372 2.87/28	4201 2.92/28	4013 2.96/27	3802 2.97/26	3547 2.95/25	3194 2.84/24	-	DP 51	1375	1-1/2	6660
5069 2.66/32	4923 2.75/31	4775 2.84/31	4624 2.91/30	4466 2.98/29	4299 3.04/28	4119 3.08/27	3918 3.10/27	3682 3.09/26	3377 3.02/25	2739 2.68/24				
											DP 52	1425	1-1/2	6902
											DP 53	1475	2	7144
											DP 54	1525	2	7386
											DP 55	1550	2	7507
											DP 56	1575	2	7628
											DP 57	1600	3	7749
											DP 58	1650	3	7991
											DP 59	1700	3	8234
											DP 60	1750	3	8476
											DP 61	1775	3	8597
											DP 62	1800	3	8718

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.

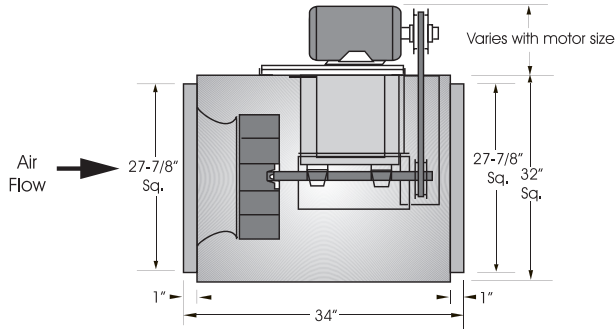


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SQB 20



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.

Table with columns for CFM / BHP @ Static Pressure / Sones (1/8 to 2-1/4) and Drive Range (DP 47 to DP 53). Rows list performance metrics for various fan models.

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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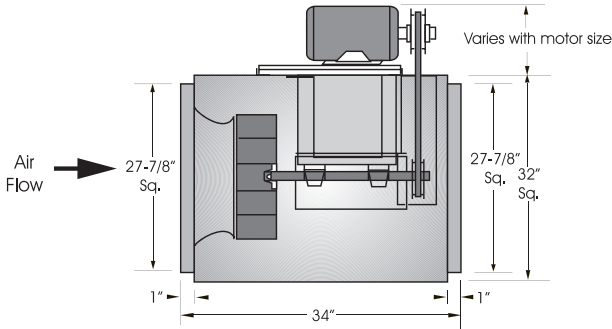




MODEL SQB

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	DP 55	850	3/4	4784
.65/10.1	.56/9.1	-	-	-	-	-	-	-			875	3/4	4925
3051	2380	-	-	-	-	-	-	-			900	3/4	5066
.70/10.9	.67/9.7	-	-	-	-	-	-	-	DP 56	DP 57	950	1	5347
3218	2656	-	-	-	-	-	-	-			1000	1	5629
.76/11.8	.75/10.4	-	-	-	-	-	-	-			1025	1-1/2	5769
3536	3086	2120	-	-	-	-	-	-	DP 58	DP 57	1075	1-1/2	6051
.89/13.9	.90/11.9	.78/10.9	-	-	-	-	-	-			1100	1-1/2	6192
3839	3452	2907	-	-	-	-	-	-			1125	1-1/2	6332
1.02/15.6	1.05/13.7	1.03/12.4	-	-	-	-	-	-	1145	1-1/2	6445		
3986	3622	3144	-	-	-	-	-	-	DP 58	DP 57	1150	2	6473
1.09/16.4	1.13/14.8	1.12/13.2	-	-	-	-	-	-			1175	2	6614
4275	3946	3549	2957	-	-	-	-	-			1200	2	6754
1.25/18.1	1.29/17.2	1.31/14.9	1.26/13.7	-	-	-	-	-	1225	2	6895		
4416	4102	3732	3230	-	-	-	-	-	DP 58	DP 57	1250	2	7036
1.33/19.0	1.38/18.2	1.40/16.0	1.38/14.6	-	-	-	-	-			1300	3	7317
4557	4254	3907	3463	2546	-	-	-	-			1325	3	7458
1.41/19.9	1.47/19.2	1.50/17.2	1.49/15.4	1.31/14.5	-	-	-	-	1350	3	7599		
4668	4375	4043	3632	2974	-	-	-	-	DP 58	DP 57	1375	3	7739
1.48/21	1.54/19.9	1.58/18.1	1.58/16.1	1.48/15.1	-	-	-	-			1400	3	7880
4696	4405	4076	3673	3048	-	-	-	-			1425	3	8021
1.50/21	1.56/20	1.60/18.4	1.60/16.3	1.52/15.3	-	-	-	-	1440	3	8105		
4834	4553	4240	3868	3353	-	-	-	-	DP 58	DP 57	1300	3	7317
1.59/22	1.65/21	1.70/19.7	1.71/17.5	1.66/16.1	-	-	-	-			1325	3	7458
4971	4699	4400	4053	3603	2601	-	-	-			1350	3	7599
1.68/23	1.75/22	1.80/21	1.82/18.7	1.80/17.0	1.55/16.2	-	-	-	1375	3	7739		
5107	4843	4556	4229	3826	3194	-	-	-	DP 58	DP 57	1400	3	7880
1.78/24	1.85/23	1.90/22	1.93/19.9	1.93/18.0	1.82/17.0	-	-	-			1425	3	8021
5242	4986	4709	4400	4030	3517	-	-	-			1440	3	8105
1.88/25	1.96/24	2.01/23	2.05/21	2.06/19.1	1.99/17.9	-	-	-	DP 58	DP 57	1300	3	7317
5510	5267	5009	4727	4405	4007	3398	-	-			1325	3	7458
2.09/26	2.18/25	2.24/25	2.29/24	2.32/21	2.30/19.6	2.18/18.8	-	-			1350	3	7599
5643	5406	5156	4885	4581	4218	3721	-	-	DP 58	DP 57	1375	3	7739
2.20/27	2.29/26	2.36/26	2.42/25	2.45/23	2.44/21	2.37/19.6	-	-			1400	3	7880
5775	5544	5302	5041	4751	4415	3984	3203	-			1425	3	8021
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	DP 57	1440	3	8105
5907	5681	5445	5193	4917	4602	4216	3650	-			1300	3	7317
2.44/28	2.53/28	2.61/27	2.68/27	2.72/25	2.74/23	2.72/21	2.59/20	-			1325	3	7458
6039	5818	5588	5344	5079	4782	4430	3959	-	1350	3	7599		
2.56/29	2.66/29	2.75/28	2.81/27	2.86/26	2.89/24	2.88/22	2.80/21	-	1375	3	7739		
6170	5953	5729	5493	5238	4956	4629	4219	3554	DP 58	DP 57	1400	3	7880
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			1425	3	8021
6248	6035	5814	5581	5332	5058	4744	4360	3798			1440	3	8105
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					

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.

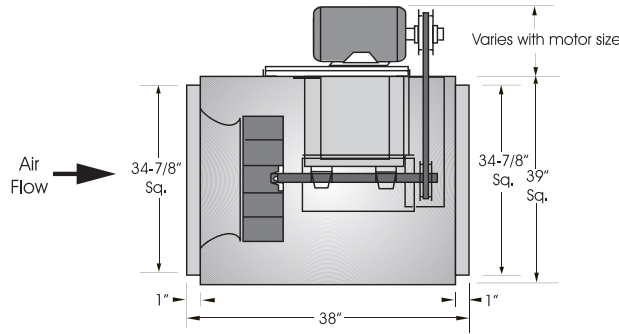


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SQB 24



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.

Table with columns for CFM / BHP @ Static Pressure / Sones (1/8 to 2-1/4), Drive Range (DP 59 to DP 65), RPM, HP, and Tip Speed. Rows list various fan models and their performance metrics.

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 USA Ventilation Systems, LLC., 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.

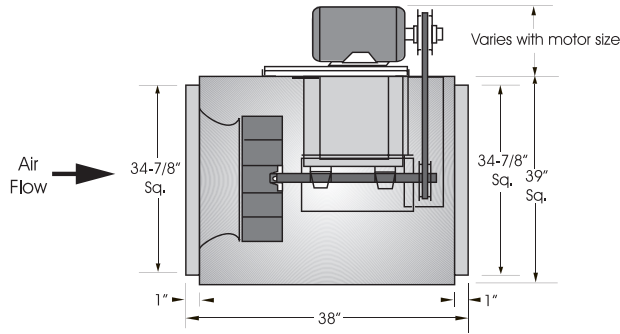




MODEL SQB

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 69	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 69	1085	3	7030
2.61/26	2.71/25	2.78/24	2.82/23	2.82/22	2.79/22	-	-	-	-	-	-				
7725	7364	6974	6542	6039	5400	4319	-	-	-	-	-	DP 69	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.

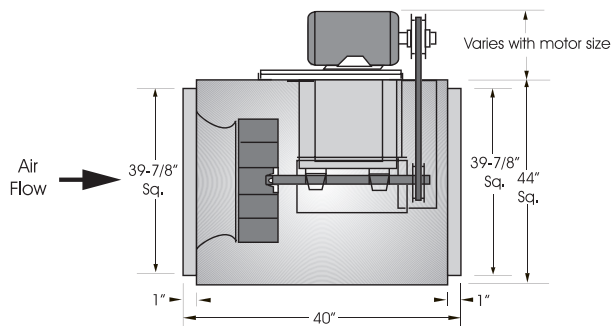


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SQB 30



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	-	-	-	-	-	-	-	-	-		DP 73	450	3/4	3608
6341	5711	4978	3879	-	-	-	-	-	-	-	-			470	3/4	3768
6675	6079	5408	4526	-	-	-	-	-	-	-	-	DP 74	500	1	4009	
.71/9.3	.75/8.8	.78/8.1	.77/7.3	-	-	-	-	-	-	-	-		DP 75	520	1	4169
7174	6619	6017	5300	4214	-	-	-	-	-	-	-			550	1-1/2	4410
.85/10.6	.90/10.0	.93/9.5	.94/8.6	.89/7.8	-	-	-	-	-	-	-	DP 76	575	1-1/2	4610	
7503	6972	6406	5757	4900	-	-	-	-	-	-	-		590	1-1/2	4730	
.95/11.6	1.00/10.9	1.04/10.4	1.06/9.6	1.04/8.7	-	-	-	-	-	-	-		625	2	5011	
7995	7496	6973	6397	5707	4707	-	-	-	-	-	-	DP 77	650	2	5211	
1.12/13.0	1.17/12.4	1.22/11.9	1.25/11.2	1.25/10.2	1.19/9.4	-	-	-	-	-	-		700	3	5612	
8403	7926	7433	6901	6294	5525	-	-	-	-	-	-		725	3	5813	
1.28/14.3	1.33/13.7	1.38/13.2	1.42/12.6	1.43/11.7	1.41/10.7	-	-	-	-	-	-	DP 78	750	3	6013	
8646	8182	7705	7196	6625	5935	-	-	-	-	-	-		800	5	6414	
1.37/15.1	1.43/14.5	1.48/14.0	1.52/13.4	1.55/12.5	1.54/11.6	-	-	-	-	-	-		825	5	6615	
9212	8775	8330	7863	7358	6784	5002	-	-	-	-	-	DP 77	850	5	6815	
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	-	-	-	-	-		875	5	7015	
9615	9195	8770	8328	7857	7337	5958	-	-	-	-	-		885	5	7096	
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	-	-	-	-	-	DP 78	925	7 1/2	7416	
10417	10027	9635	9233	8815	8369	7324	5651	-	-	-	-		950	7 1/2	7617	
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	-	-	-	-		975	7 1/2	7817	
10817	10440	10062	9677	9279	8860	7909	6605	-	-	-	-	DP 78	1000	7 1/2	8018	
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	-	-	-					
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	-	-	-					
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	-	-					
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	-					
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					
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					
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					
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					

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.

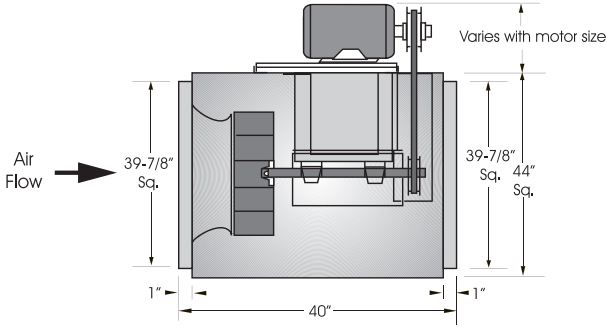


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SQBHP 30



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	-	-	-	-	-	-	-	-	-	-		DP 80	640	1-1/2
5739	4646	-	-	-	-	-	-	-	-	-	-	DP 81		660	1-1/2
1.42/13.2	1.39/12.0	-	-	-	-	-	-	-	-	-	-		DP 82	690	2
6078	5117	-	-	-	-	-	-	-	-	-	-	DP 83		710	2
1.55/14.2	1.55/13.0	-	-	-	-	-	-	-	-	-	-		DP 84	725	2
6565	5735	4452	-	-	-	-	-	-	-	-	-	DP 85		735	2
1.75/15.8	1.78/14.5	1.68/13.3	-	-	-	-	-	-	-	-	-		DP 86	765	3
6880	6112	5051	-	-	-	-	-	-	-	-	-	DP 87		785	3
1.90/16.9	1.94/15.6	1.89/14.4	-	-	-	-	-	-	-	-	-		DP 88	810	3
7112	6382	5426	-	-	-	-	-	-	-	-	-	DP 89		830	3
2.01/17.7	2.06/16.5	2.04/15.2	-	-	-	-	-	-	-	-	-		DP 90	835	5
7265	6558	5657	3916	-	-	-	-	-	-	-	-	DP 91		900	5
2.09/18.3	2.15/17.0	2.13/15.7	1.87/14.9	-	-	-	-	-	-	-	-		DP 92	920	5
7715	7066	6286	5172	-	-	-	-	-	-	-	-	DP 93		945	5
2.34/19.7	2.41/18.7	2.43/17.5	2.33/16.3	-	-	-	-	-	-	-	-		DP 94	975	5
8011	7393	6670	5720	-	-	-	-	-	-	-	-	DP 95		990	5
2.51/21	2.59/19.8	2.62/18.6	2.57/17.4	-	-	-	-	-	-	-	-		DP 96	1020	7 1/2
8375	7790	7125	6304	5034	-	-	-	-	-	-	-	DP 97		1045	7 1/2
2.73/22	2.83/21	2.88/19.9	2.86/18.8	2.68/17.8	-	-	-	-	-	-	-		DP 98	1090	7 1/2
8663	8102	7474	6725	5696	-	-	-	-	-	-	-	DP 99		1110	7 1/2
2.92/23	3.03/22	3.09/21	3.10/19.9	2.99/18.9	-	-	-	-	-	-	-		DP 100	1120	7 1/2
8734	8179	7559	6826	5838	-	-	-	-	-	-	-	DP 101		1120	7 1/2
2.97/23	3.08/23	3.14/21	3.15/20	3.06/19.2	-	-	-	-	-	-	-		DP 102	1120	7 1/2
9651	9155	8622	8028	7334	6439	4783	-	-	-	-	-	DP 103		1120	7 1/2
3.65/26	3.79/26	3.89/25	3.94/24	3.95/23	3.86/22	3.43/21	-	-	-	-	-		DP 104	1120	7 1/2
9929	9448	8935	8371	7726	6933	5767	-	-	-	-	-	DP 105		1120	7 1/2
3.88/27	4.02/27	4.13/26	4.20/25	4.22/24	4.17/23	3.94/22	-	-	-	-	-		DP 106	1120	7 1/2
10273	9810	9319	8787	8191	7488	6569	4737	-	-	-	-	DP 107		1120	7 1/2
4.18/28	4.33/28	4.45/28	4.54/27	4.58/26	4.56/25	4.43/24	3.86/23	-	-	-	-		DP 108	1120	7 1/2
10684	10240	9773	9272	8722	8095	7335	6268	-	-	-	-	DP 109		1120	7 1/2
4.56/30	4.72/30	4.85/29	4.95/29	5.01/27	5.03/26	4.96/25	4.74/24	-	-	-	-		DP 110	1120	7 1/2
10888	10453	9996	9509	8979	8382	7676	6748	4850	-	-	-	DP 111		1120	7 1/2
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	-	-	-		DP 112	1120	7 1/2
11295	10875	10438	9976	9479	8932	8306	7547	6482	-	-	-	DP 113		1120	7 1/2
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	-	-	-		DP 114	1120	7 1/2
11631	11224	10802	10358	9885	9370	8795	8123	7270	5883	-	-	DP 115		1120	7 1/2
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	-	-		DP 116	1120	7 1/2
12233	11846	11447	11032	10594	10127	9618	9049	8386	7552	6248	-	DP 117		1120	7 1/2
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	-		DP 118	1120	7 1/2
12499	12121	11731	11327	10903	10452	9966	9430	8820	8085	7088	-	DP 119		1120	7 1/2
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	-		DP 120	1120	7 1/2
12632	12257	11872	11473	11055	10613	10137	9616	9028	8331	7424	5772	DP 121		1120	7 1/2
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		DP 122	1120	7 1/2

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.

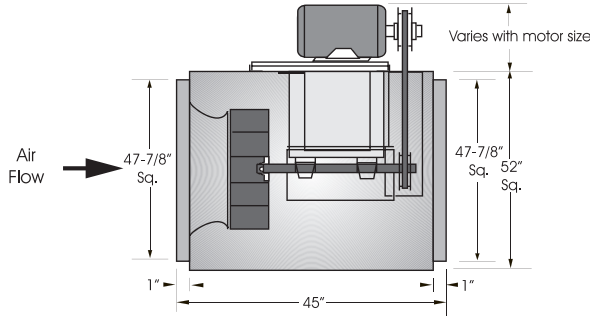


S&P USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the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





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.

Table with columns: CFM / BHP @ Static Pressure / Sones (1/8 to 2), Drive Range (DP 84-89), RPM, HP, Tip Speed. Rows list performance data for various fan models.

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.

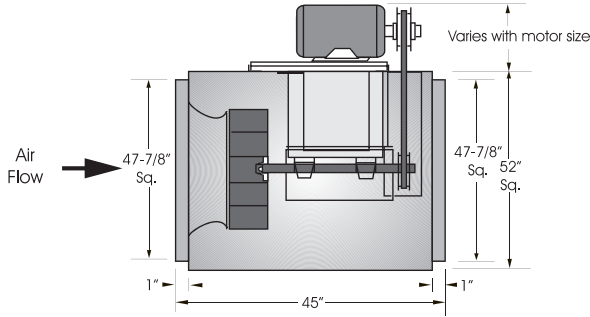


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SQBHP 36



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.

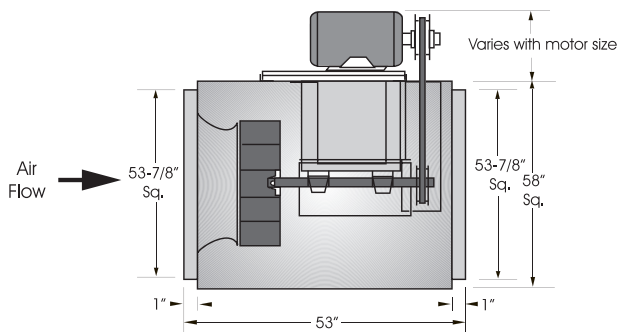


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SQB 42



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.

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 USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Models SQB & 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 SQD & eSQD

DIRECT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



MODEL FEATURES

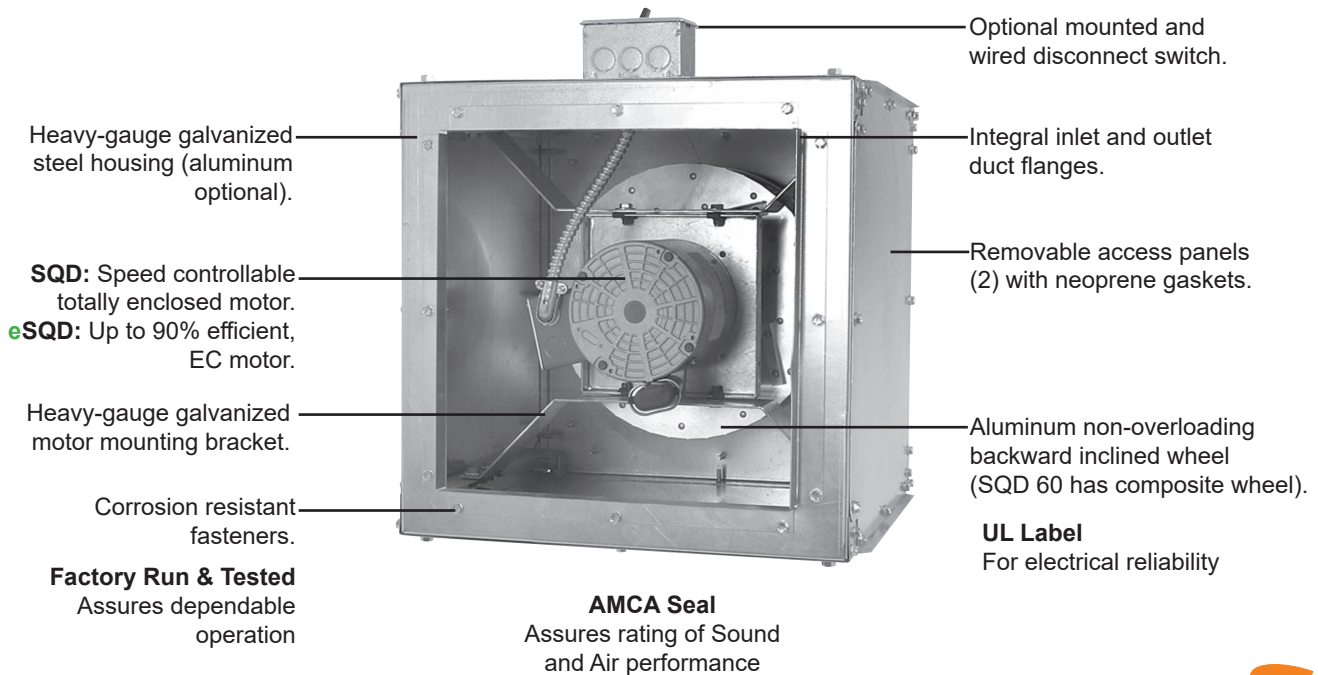
- Exhaust air up to 2,800 CFM, with static pressure capabilities to 1" w.g.
- Direct drive units have low sound levels and quiet operation
- Ideal for applications where space is limited
- Non-overloading backward inclined wheel for efficiency at higher static pressures
- AMCA Air and Sound Licensed
- 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 direct drive motors. The eMotor can be controlled in various ways through building management systems or specially designed speed controllers. Model eSQD is available in sizes 8, 10 and 12.

CONSTRUCTION FEATURES AND OPTIONS



Model SQD is available in our Quickship program. Sizes 6-15 are available for next day, 3-day or 10-day shipping from stock.



2 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by S&P USA.



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 has 80% usable turndown vs. 30% on a PSC motor.
- Internal motor circuitry converts 115V or 230V single phase AC power to DC voltage for increased efficiencies.
- All motors are rated for continuous duty.
- Motor options include 115V 60Hz and 230V 50/60 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 available in 115V 60HZ and 230V 50/60HZ. Horsepower options include 1/3, 1/2, and 3/4HP. 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.

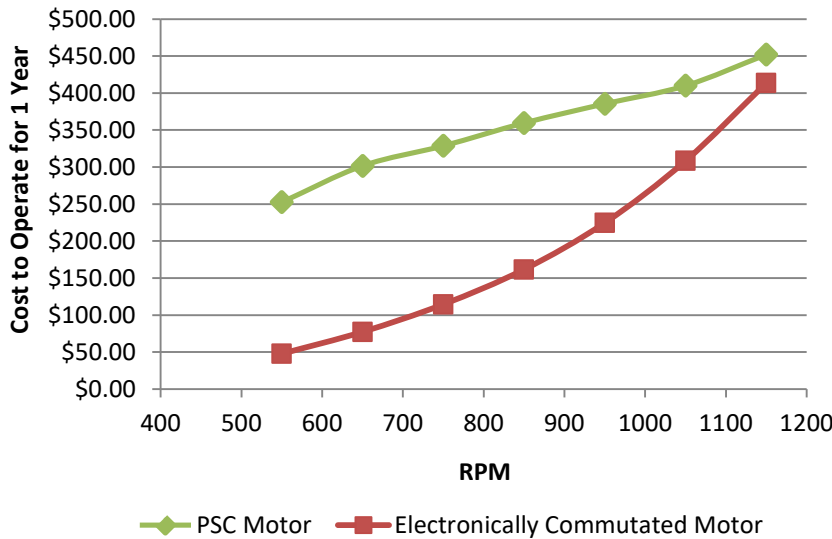


Features and Advantages

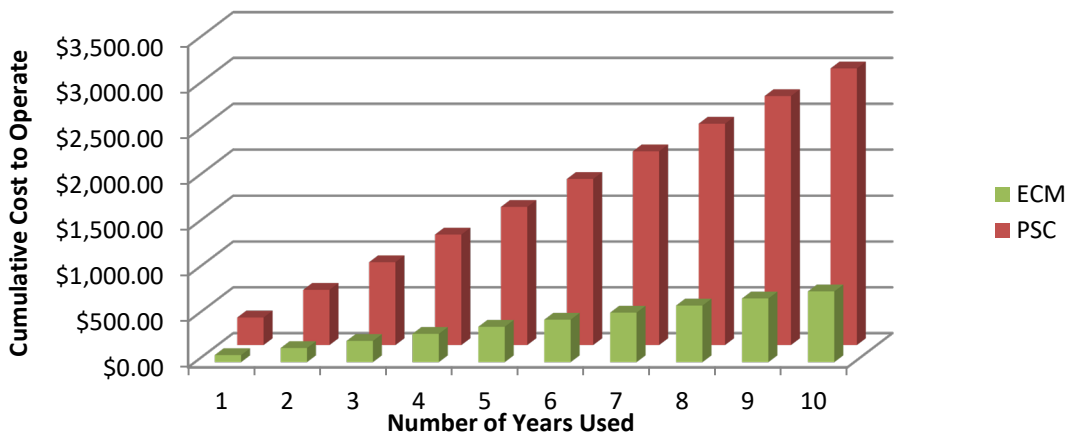
- Motor has 80% usable turndown vs. 30% on a PSC motor.
- Internal motor circuitry converts 115V or 230V single phase AC power to DC voltage for increased efficiencies.
- Motor is 115V or 230 50/60 Hz.
- cULus 705 Listing.

Energy Savings = \$ Savings

eSQD with 1/2 HP Motor - Continuous Ventilation



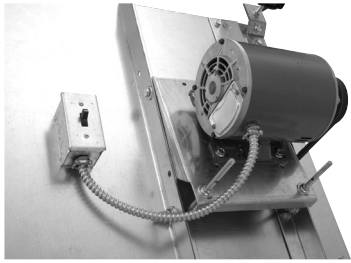
Cost to Operate Motors @ 650 RPM Continuous Ventilation



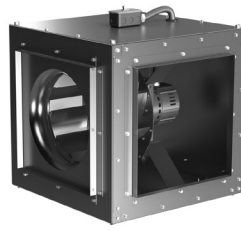


OPTIONS/ACCESSORIES

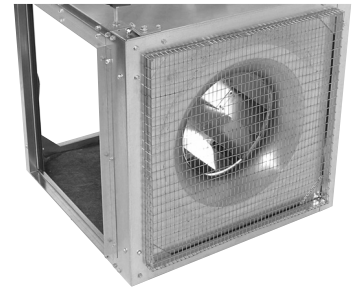
Mounted and Wired Disconnect



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



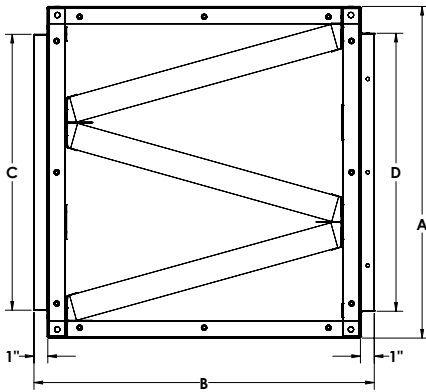


FILTER BOX OPTIONS



Features

- Designed for use with SQD or eSQD 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	15	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

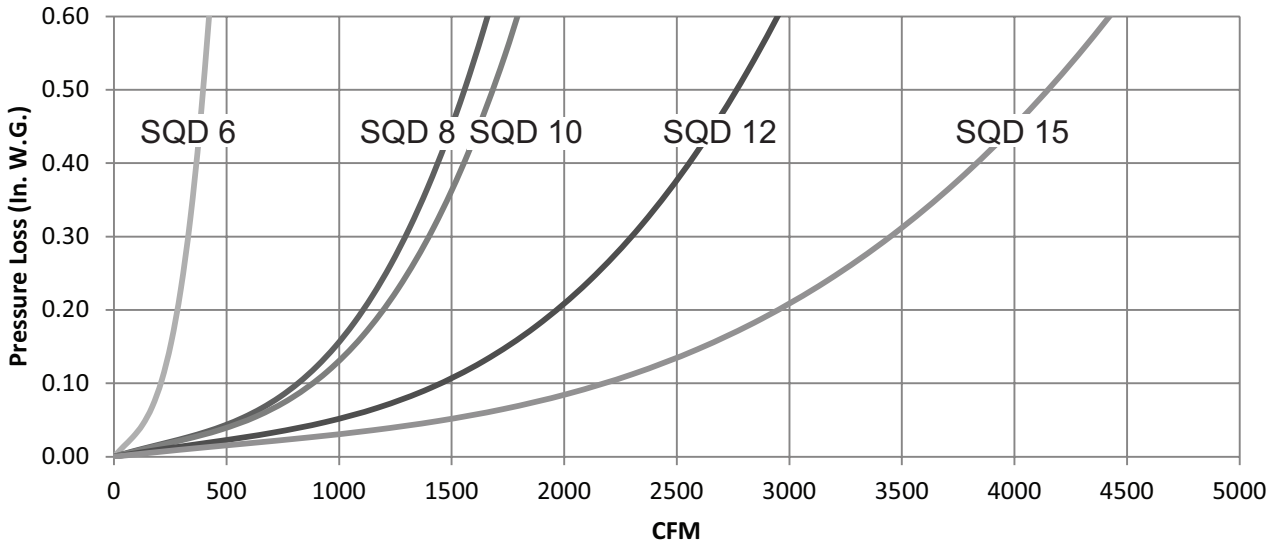
Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	2" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
06	12	17-3/16	8-7/8	9	17	9	1	11x14x2
07-08	15	25	11-7/8	12	29	16	2	15x20x2
10	18	24-1/2	13-7/8	14	37	19	2	16x20x2
12	22	29-1/8	15-7/8	16	52	27	2	20x25x2
15	24	24-5/8	19-7/8	20	51	26	3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



FILTER BOX OPTIONS Cont.

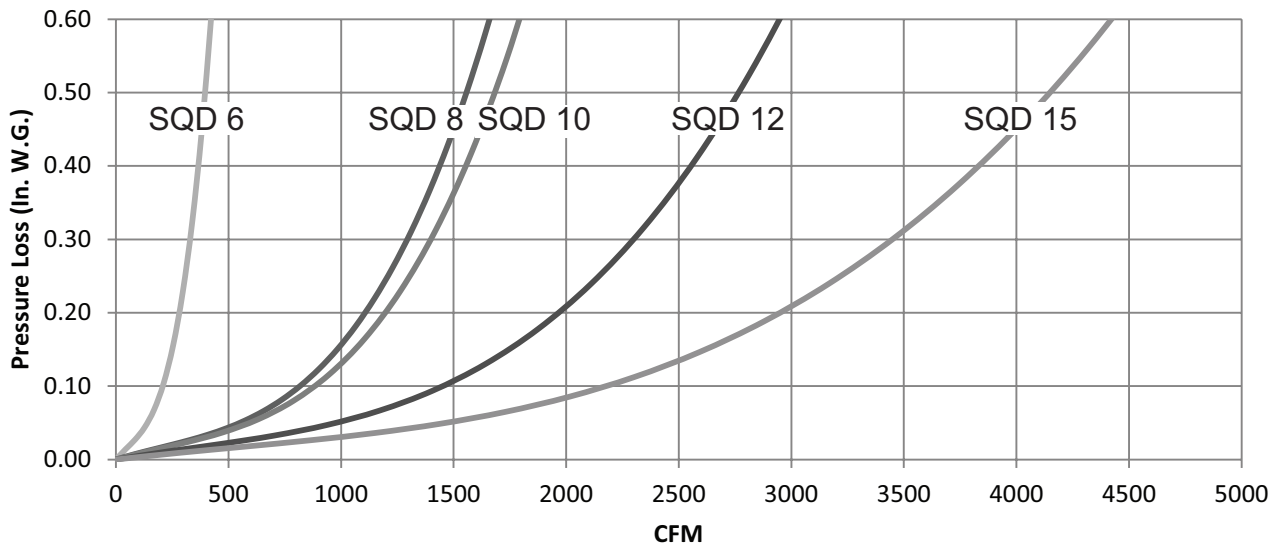
PRESSURE LOSS GUIDE FOR 1" FILTER BOX

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.



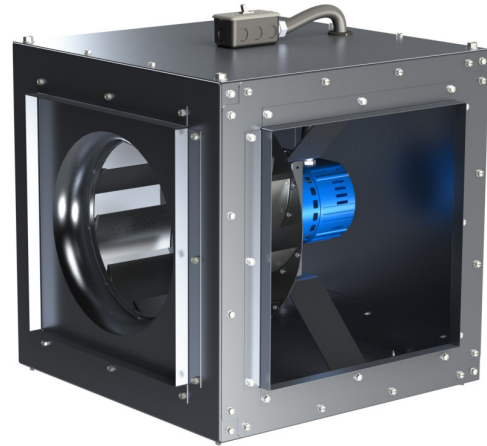
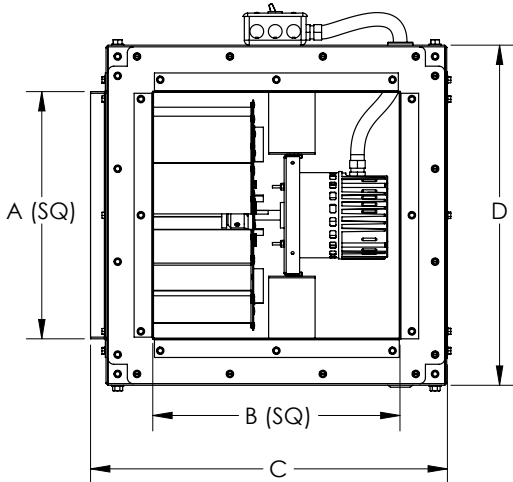
PRESSURE LOSS GUIDE FOR 2" FILTER BOX

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



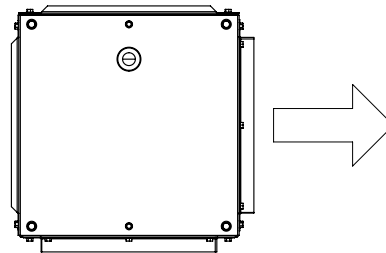
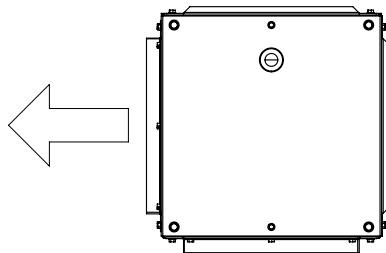
Side Discharge Dimensions

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
eSQD 833	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
eSQD 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
eSQD 1275	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

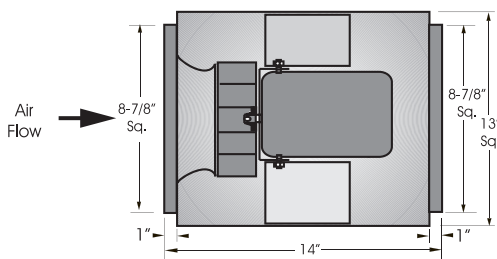


AIRFLOW

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	



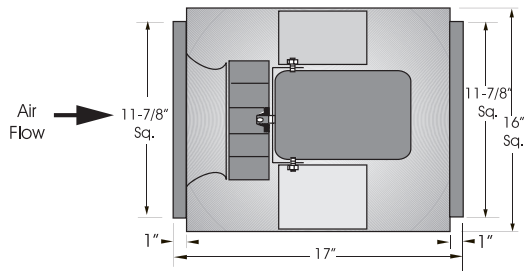
S&P USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Models SQD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the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

Table with 4 columns: Motor HP, CFM / BHP / Sones @ Static Pressure (0, 1/8, 1/4), RPM. Rows include 1/25 HP at 1050 RPM and 1070* RPM.

SQD 825 / eSQD 833

Table with 9 columns: Motor HP, CFM / BHP / Sones @ Static Pressure (0, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4), RPM. Rows include 1/4 HP at 1625 RPM and eSQD 1/3 HP at 1750 RPM.



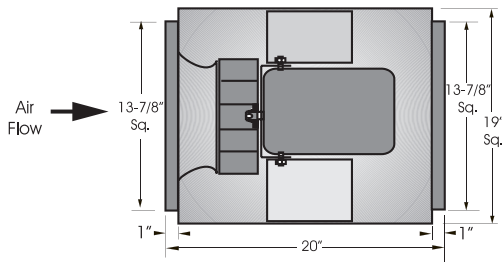
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* Base Unit-AMCA seal for sound Rating does not apply to units with speed control installed.
+ RPM range capable with solid state speed control.
Speed (RPM) shown is nominal. Performance is based on actual speed of test.

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.

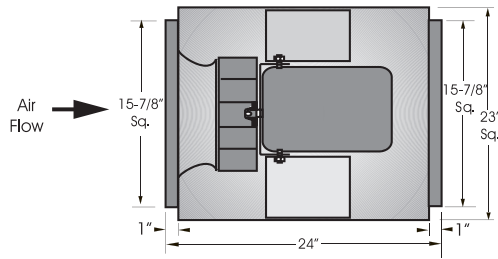
Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

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

Table with 7 columns: Motor HP, CFM / BHP / Sones @ Static Pressure (0, 1/8, 1/4, 3/8, 1/2), RPM. Rows include 1/4 HP 1075 RPM at various speeds (650-1120 RPM).

SQD 1250 / eSQD 1275

Table with 10 columns: Motor HP, CFM / BHP / Sones @ Static Pressure (0, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1), RPM. Rows include 1/2 HP 1625 RPM and eSQD 3/4 HP 1750 RPM at various speeds (600-1620 RPM).

* 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.

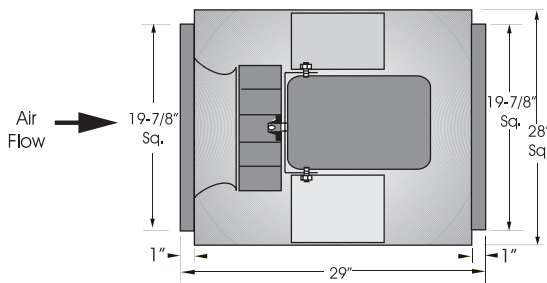
Performance certified is for installation type B - free inlet, ducted outlet.
Power Ratings (BHP) does not include drive losses.
Performance ratings do not include the effects of appurtenances in the airstream.

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 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.



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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

Horizontal Hanging Brackets

Forward Curved DWDI Blower
For efficient airflow and quiet performance.

Removable Access Panel
For easy access for service

AMCA Seal
Assures certified rating of air and sound performance.

cULus 705 Listed
For electrical reliability.

Factory Run & Tested
For quality assurance and dependable operation.

Galvanized Steel Housing
Encloses blower, motor and drives.

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

Inlet and Outlet Duct Connectors

Model CFD is available in our Quickship program. All sizes are available for next day shipping from stock.

2 year fan housing warranty, 1 year motor warranty

All specifications are subject to change without notice unless approved in submittal by S&P USA.



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

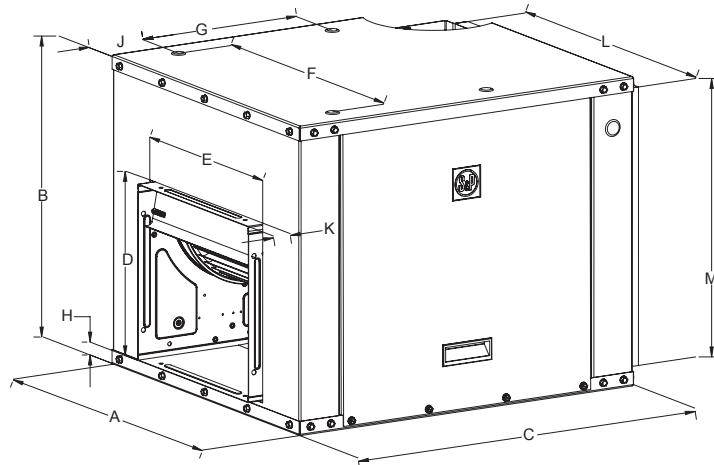
- AMCA Air and Sound Certified
- cULus 705 Listed

Entire Fan Unit

- Factory assembled and tested prior to shipment for quality assurance

Dimensional Data

Dimensions in Inches



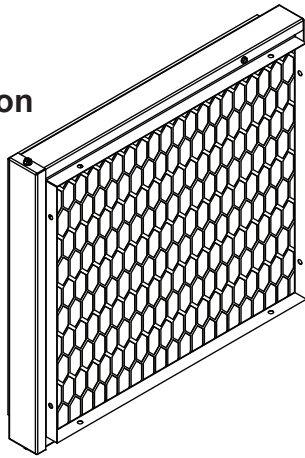
Model	A	B	C	D	E	F	G	H	J	K	L	M	Shaft (MM/IN)	WT (LBS)
7	18	15-3/8	23	8-1/4	9-1/4	14	7-11/16	1-1/4	1-7/8	5/8	15-7/8	13-3/8	20/.75	43
9	21	18	23	10-1/4	11-13/16	17	10-1/4	1-1/4	3-1/8	7/8	19	16	20/.75	55
10	22-1/4	20	24-3/4	11-1/4	13-1/8	18-1/4	11-3/8	1-1/4	3-11/16	15/16	20-1/4	18	20/.75	65
12	27	23	27-1/2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

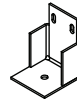
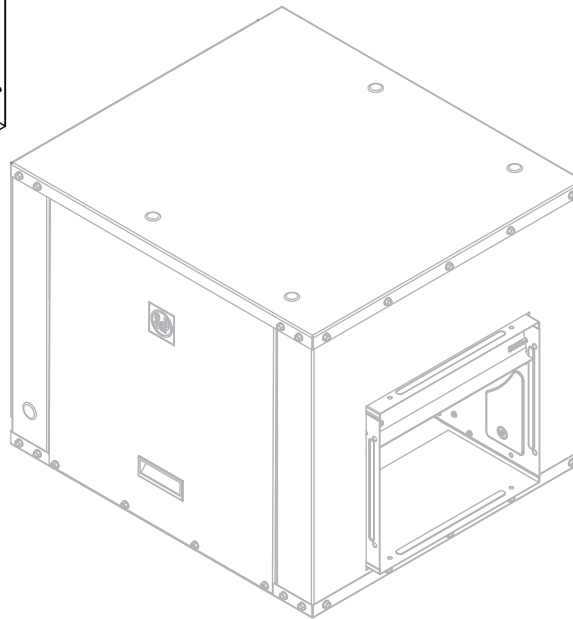
Filter Section



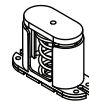
Rubber Isolator (Hanging)



Spring Isolator (Hanging)



Rubber Isolator (Floor)



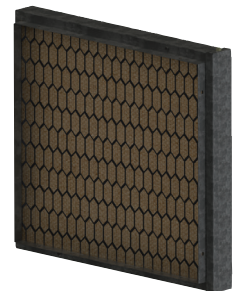
Spring Isolator (Floor)

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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	-	-	-	-

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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.



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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
- For indoor use only
- AMCA Air & Sound Certified
- cULus 705 or 762 Listed

MODEL OVERVIEW

S&P's Inline Tubular Centrifugal (CTB) series offers one of the widest ranges 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". These fans are 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 commercial and industrial applications, such 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 temperatures are a concern when maintenance on the fan is needed.

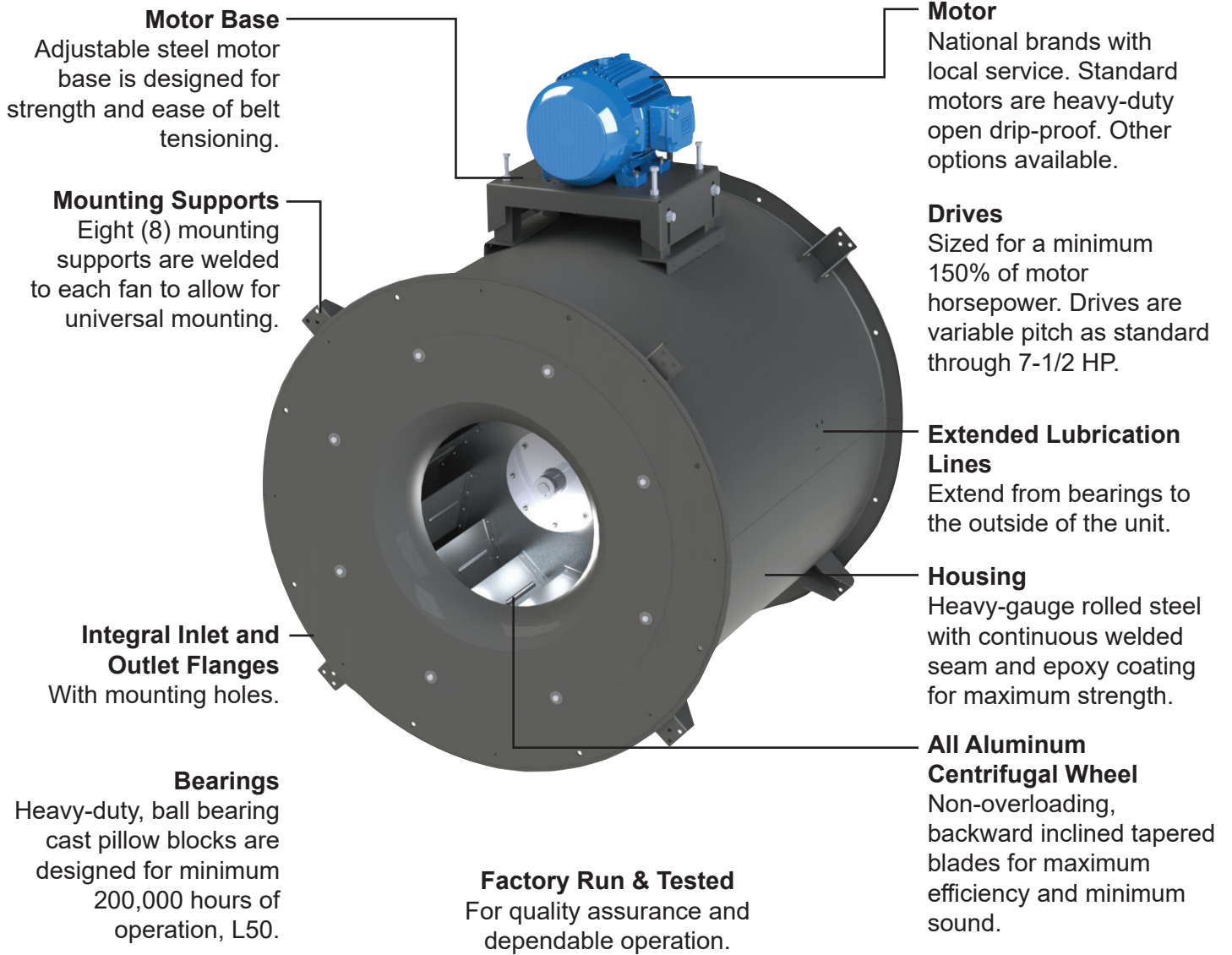
The centrifugal wheel is designed to provide higher efficiencies and lower sound levels than propeller type fans when used in medium pressure duct systems. Tubular centrifugal fans can be mounted in any position providing for installations in the smallest possible space.

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



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

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.

Factory Run & Tested
For quality assurance and dependable operation.

AMCA Seal
Assures certified rating of air and sound performance.

 **AMCA CERTIFIED RATING**
SOUND and AIR PERFORMANCE
AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC.

 **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

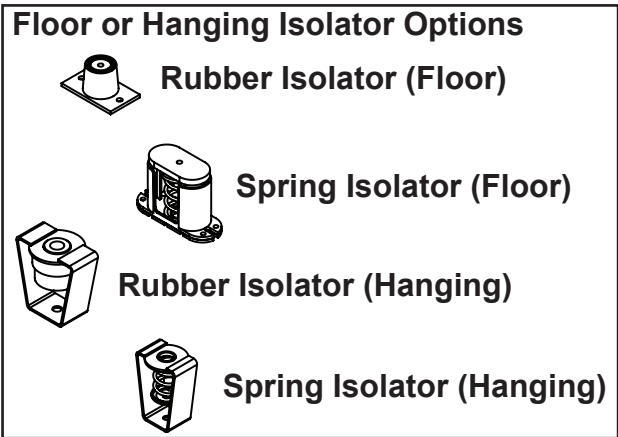
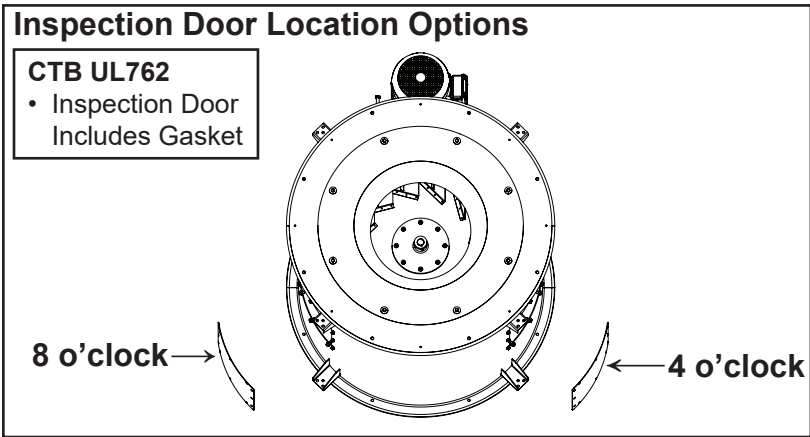
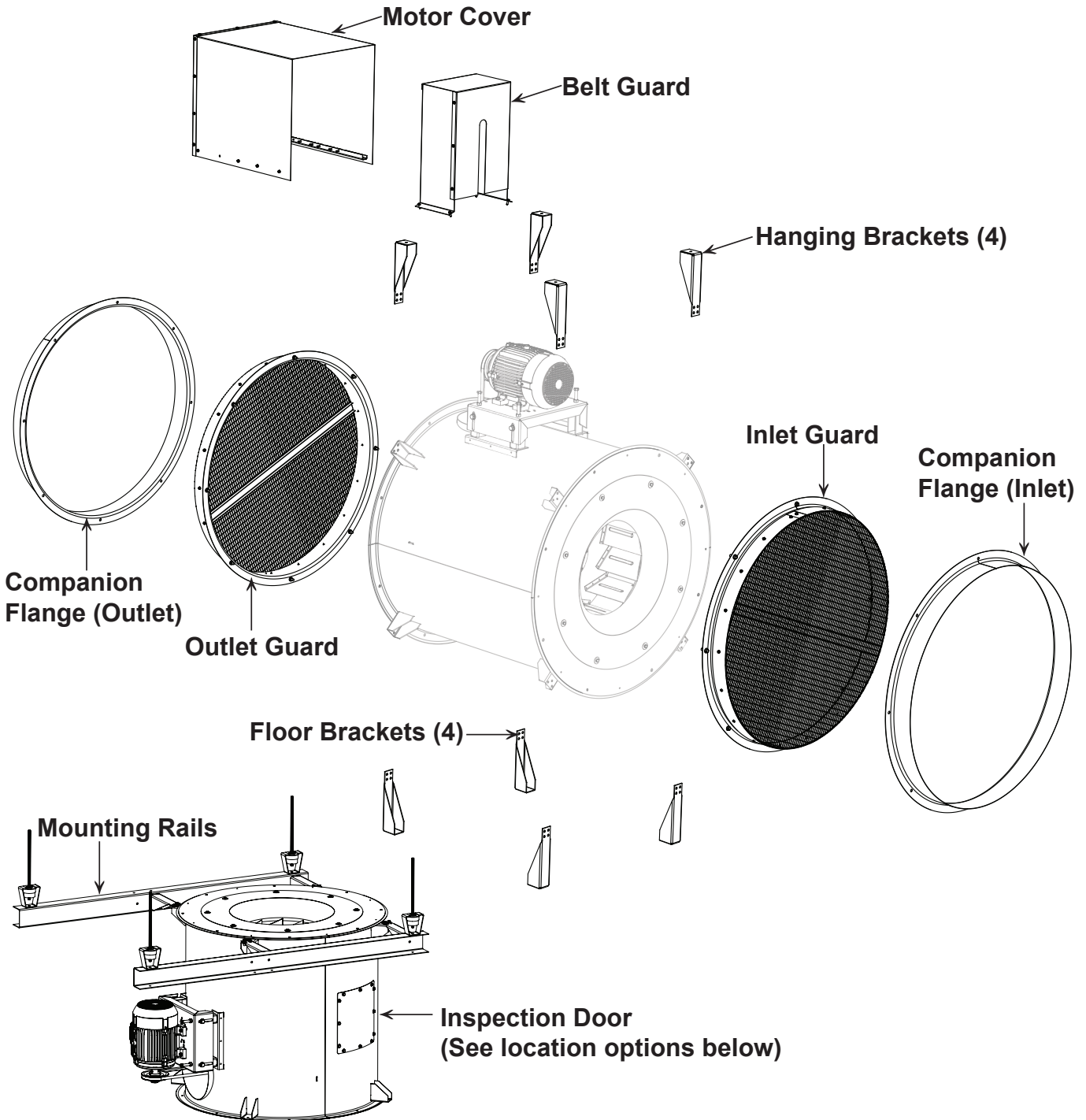
- AMCA Air and Sound Certified
- cULus 705 Listed
- cULus 762 Listed for grease removal

Entire Fan Unit

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



OPTIONS/ACCESSORIES





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.

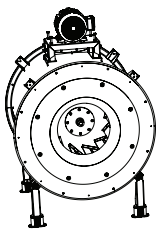
Shaft Seal: Protects bearings and belts when fan is handling dirty or contaminated air.

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).

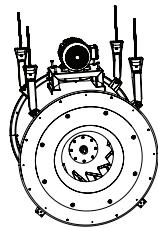
Special Coatings (*Epoxy Coating is Standard*): For protective and decorative purposes. Available coatings include: Synthetic Resin and Heresite (air-dried phenolic). Contact your representative or the factory for more information on available coatings and colors.

MOUNTING CONFIGURATIONS

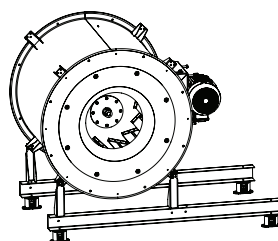
Floor Mount



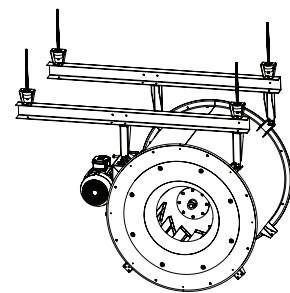
Hanging Mount



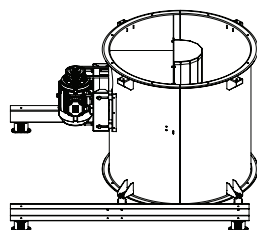
Rail Floor Mount



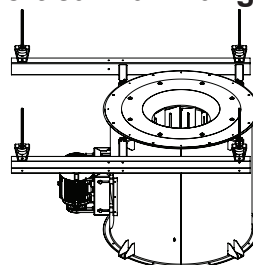
Rail Hanging Mount



Vertical Rail Floor Mount

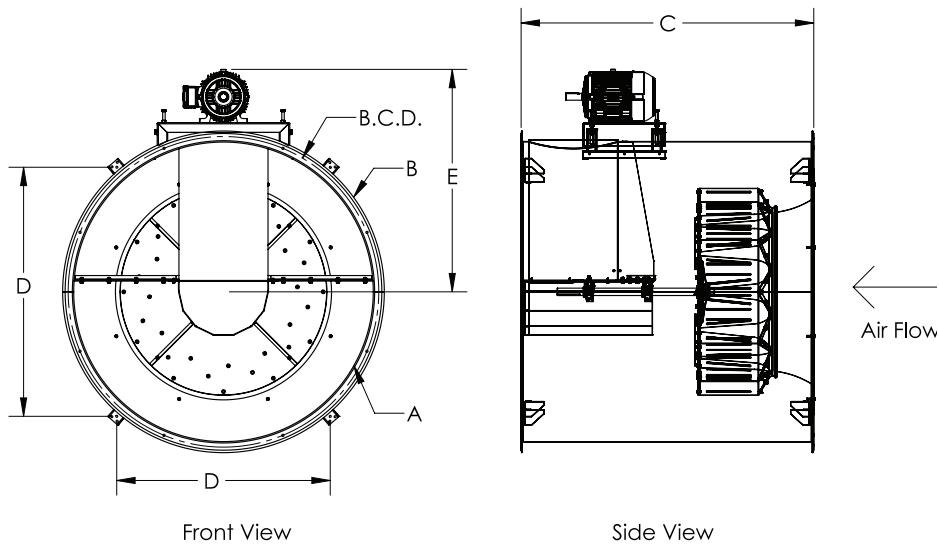


Vertical Rail Hanging Mount





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.	CTB #	CTBRHUL #				
9	18-3/8	22-1/2	23*	17-15/16	19-3/4	24	7/16"	8	16	5/8"	56	14	125
11	18-3/8	22-1/2	23*	17-15/16	19-3/4	24	7/16"	8	16	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	18	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	20	3/4"	182T	12	170
18	30-3/8	34-9/16	31	25-1/2	32	31	7/16"	8	26	1"	182T	12	236
22	36-3/8	40-9/16	35-1/2	29-13/16	38	33-1/2	7/16"	8	30	1-3/16"	182T	12	296
24	42-1/2	47	42	34-1/8	44-1/4	34-1/2	7/16"	8	36	1-1/2"	184T	10	420
30	48-1/2	53	48-1/2	38-3/8	50-3/4	40-1/2	7/16"	8	40	1-1/2"	213T	10	544
36	55	59-1/2	54	43	57-1/4	44	7/16"	8	46	1-1/2"	215T	10	694
42	61	65-1/2	59-1/2	47-1/4	63-1/4	45	7/16"	8	52	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



Size 11

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	
		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	
500	275	733	0.04	864	0.06																
		5.1		6.6																	
600	330	830	0.05	941	0.07	1156	0.13														
		6.6		7.7		11															
650	357	880	0.06	985	0.08	1184	0.14	1378	0.21												
		7.1		8.4		11.4		15.2													
750	412	984	0.08	1077	0.1	1253	0.17	1423	0.24	1591	0.32										
		8.5		9.9		12.7		16.1		19.4											
800	440	1036	0.09	1125	0.12	1291	0.18	1452	0.26	1611	0.34	1767	0.43								
		9.3		10.8		13.4		16.5		19.7		24									
900	495	1144	0.12	1224	0.15	1375	0.22	1520	0.3	1663	0.39	1803	0.48	1942	0.58						
		11.1		12.3		15.1		17.7		21		25		28							
950	522	1198	0.13	1276	0.17	1419	0.24	1558	0.32	1694	0.41	1827	0.51	1960	0.61	2091	0.72				
		12.1		13.3		15.7		18.5		22		25		29		33					
1000	549	1253	0.15	1328	0.19	1466	0.26	1598	0.34	1727	0.44	1855	0.54	1982	0.64	2107	0.75	2231	0.87		
		12.9		14.2		16.7		19.2		22		26		29		34		38			
1050	577	1308	0.17	1380	0.21	1512	0.29	1639	0.37	1763	0.46	1886	0.57	2007	0.67	2127	0.79	2246	0.91	2364	1.03
		14.1		15.3		17.7		20		23		26		30		34		39		43	
1100	604	1363	0.19	1432	0.23	1560	0.31	1682	0.4	1801	0.49	1919	0.6	2035	0.71	2150	0.82	2265	0.94	2378	1.07
		15.1		16.2		18.6		21		24		27		30		35		39		44	
1150	632	1418	0.22	1486	0.26	1609	0.34	1727	0.43	1841	0.53	1954	0.63	2065	0.74	2176	0.86	2287	0.98		
		16.2		17.3		19.6		22		25		28		31		35		39			
1250	687	1531	0.27	1593	0.31	1708	0.4	1818	0.5	1925	0.6	2029	0.71	2133	0.82	2236	0.94	2338	1.07		
		18.5		19.5		22		24		27		30		33		36		40			
1350	742	1643	0.33	1702	0.38	1811	0.47	1914	0.57	2013	0.68	2111	0.79	2208	0.91	2304	1.04				
		21		22		24		27		29		32		35		39					
1400	769	1700	0.37	1756	0.42	1862	0.51	1962	0.62	2059	0.73	2154	0.84	2248	0.96	2340	1.09				
		23		24		26		28		30		33		37		40					
1500	824	1813	0.45	1866	0.5	1966	0.6	2062	0.71	2153	0.82	2242	0.94	2331	1.07						
		25		27		29		31		33		36		39							
1550	852	1869	0.49	1921	0.54	2019	0.65	2111	0.76	2201	0.87	2288	1								
		28		28		30		32		35		38									
1600	879	1926	0.54	1977	0.59	2072	0.7	2162	0.81	2250	0.93	2334	1.05								
		29		30		32		34		36		39									
1650	907	1984	0.58	2033	0.64	2126	0.75	2213	0.87	2298	0.99										
		30		31		33		35		38											
1700	934	2040	0.64	2089	0.69	2179	0.81	2265	0.93	2348	1.05										
		32		33		35		37		39											
1800	989	2155	0.75	2200	0.81	2287	0.93	2369	1.05												
		36		37		39		41													
1850	1016	2213	0.81	2257	0.87	2342	0.99														
		38		39		41															
1900	1044	2270	0.87	2313	0.93	2396	1.06														
		40		41		43															
1950	1071	2327	0.94	2370	1																
		42		43																	

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



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



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**



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 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 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																	

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



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	320	0.08	394	0.15	526	0.32	645	0.51	742	0.72	825	0.94	901	1.17	970	1.42						
		2.8		3.4		5.3		7.6		9.5		11.2		12.9		14.5							
2500	252	362	0.12	427	0.20	537	0.38	644	0.59	747	0.83	833	1.08	909	1.34	979	1.61	1044	1.90				
		4.0		4.6		5.7		7.6		9.7		11.5		13.2		14.9		16.4					
3000	302	410	0.17	466	0.26	568	0.46	655	0.68	743	0.94	834	1.22	914	1.51	986	1.81	1051	2.12	1113	2.44		
		5.6		5.9		6.8		7.9		9.6		11.5		13.5		15.2		16.8		18.4			
3500	352	459	0.24	509	0.34	601	0.55	684	0.80	758	1.06	832	1.35	911	1.67	987	2.00	1056	2.34	1118	2.69	1177	3.05
		7.1		7.3		8.3		9.1		10.2		11.5		13.3		15.2		17.0		18.6		20	
4000	402	511	0.32	556	0.44	639	0.67	717	0.93	787	1.21	852	1.51	915	1.83	983	2.18	1053	2.55	1119	2.94	1181	3.33
		8.6		8.8		10.0		10.7		11.5		12.3		13.5		15.1		16.8		18.7		20	
4500	453	563	0.43	605	0.55	681	0.81	752	1.09	819	1.39	882	1.71	940	2.04	996	2.39	1053	2.76	1115	3.16	1176	3.58
		10.2		10.5		11.5		12.8		13.2		13.8		14.6		15.7		16.9		18.5		20	
5000	503	616	0.55	655	0.69	725	0.98	791	1.27	854	1.59	914	1.92	971	2.28	1023	2.65	1075	3.03	1125	3.42	1177	3.84
		12.4		12.8		13.4		14.5		15.1		15.5		16.2		16.9		18.0		19.0		20	
5500	553	670	0.70	706	0.85	771	1.17	833	1.49	891	1.82	948	2.17	1003	2.54	1055	2.93	1103	3.33	1151	3.74		
		14.7		15.3		15.8		16.2		17.1		17.5		18.0		18.7		19.5		20			
6000	604	724	0.88	758	1.04	819	1.38	876	1.73	932	2.08	985	2.45	1037	2.84	1087	3.24	1136	3.66				
		17.2		18.1		18.0		18.2		18.9		20		20		21		21					
6500	654	779	1.09	810	1.27	868	1.63	922	2.01	974	2.38	1025	2.76	1074	3.16	1121	3.59	1168	4.03				
		20		21		20		20		21		22		23		23		23					
7000	704	834	1.34	864	1.52	919	1.91	970	2.31	1019	2.72	1066	3.12	1113	3.54	1158	3.97						
		22		22		22		22		23		24		25		25							
7500	755	889	1.62	917	1.81	970	2.22	1018	2.65	1064	3.08	1110	3.52	1154	3.95								
		24		24		24		25		25		26		27									
8000	805	945	1.93	971	2.14	1021	2.57	1068	3.02	1112	3.48	1155	3.95										
		26		26		27		27		27		28											
8500	855	1001	2.29	1026	2.51	1073	2.97	1118	3.44	1160	3.92												
		27		28		29		29		29													
9000	905	1056	2.69	1080	2.92	1126	3.40																
		30		30		31																	
9500	956	1113	3.14	1135	3.38																		
		33		33																			
10000	1006	1169	3.63																				
		36																					

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



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



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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UL STANDARD 705 for Electrical
UL STANDARD 762 for Grease Removal



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.



S&P USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group certifies that the Models CTB 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 for Electrical UL STANDARD 762 for Grease Removal

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