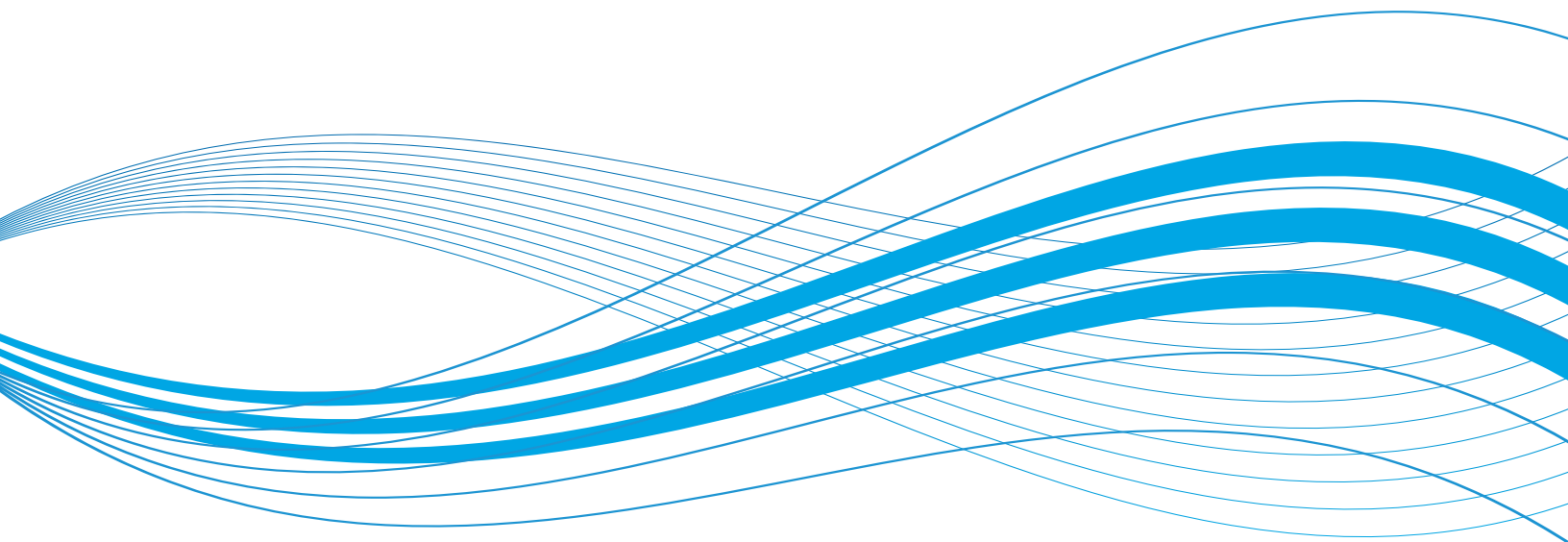




Inline Centrifugal Fans



SQB • SQD • eSQD • CFD • CTB



*Designed with **Efficiency** in Mind*

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

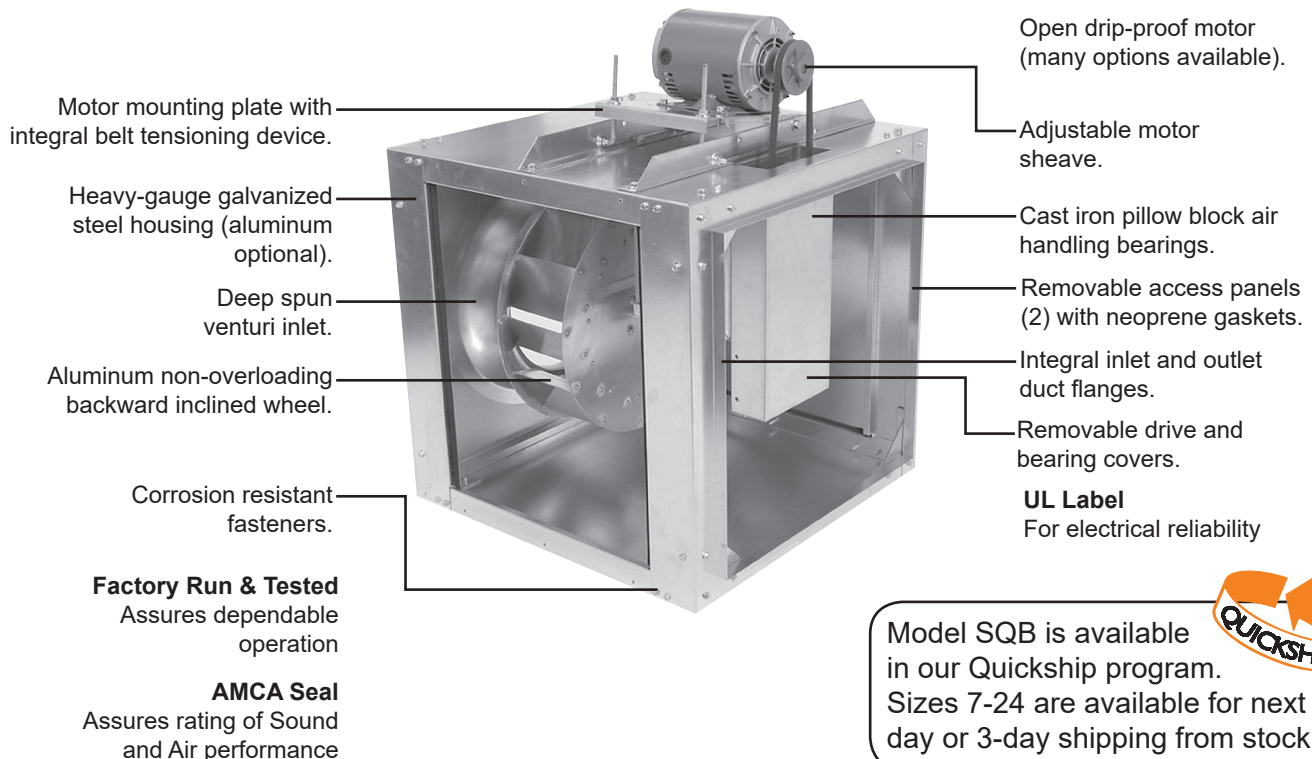
APPLICATION CONSTRUCTION OPTIONS

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



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

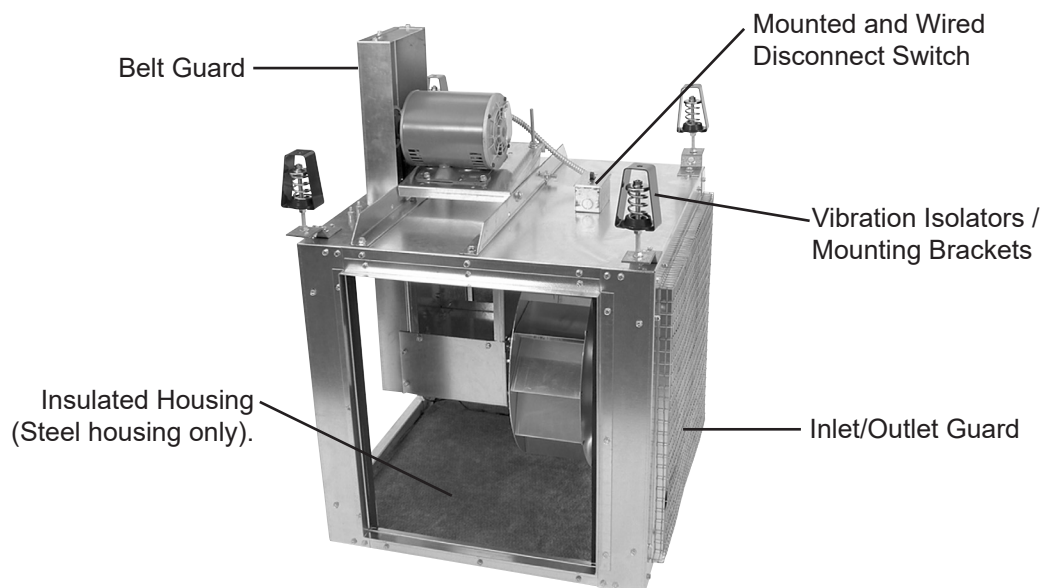
- Permanently sealed ball bearing type motor furnished to the specified voltage, phase, and enclosure.
- Open drip-proof is standard. Two speed, totally enclosed, and explosion proof motors can be specified for most models.
- Drives are specified for a minimum of 150% of driven horsepower. Cast iron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



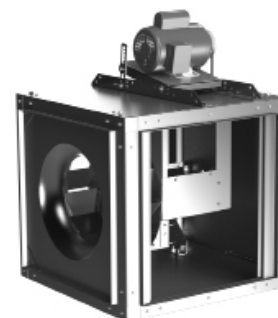
External Grease Fittings



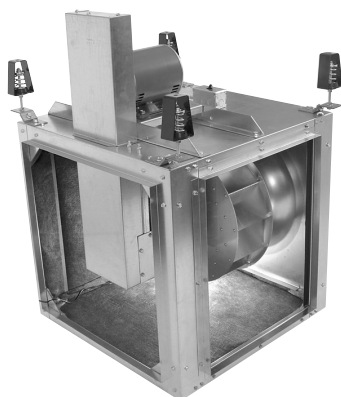
Mounted and Wired Disconnect



Side Discharge



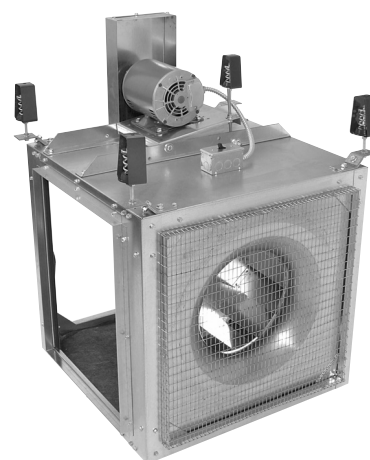
Belt Guard



Motor Cover



Inlet/Outlet Guard





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



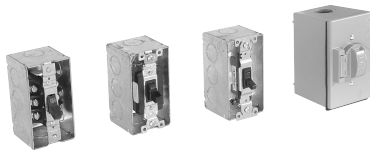
Hanging Spring Isolators



**Hanging Rubber in
Shear Isolators**



Assorted Disconnects



Heavy-duty Disconnect



Backdraft Damper

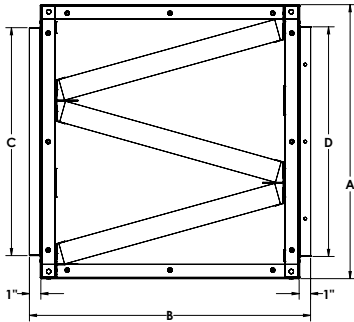


Insulated Housing



**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

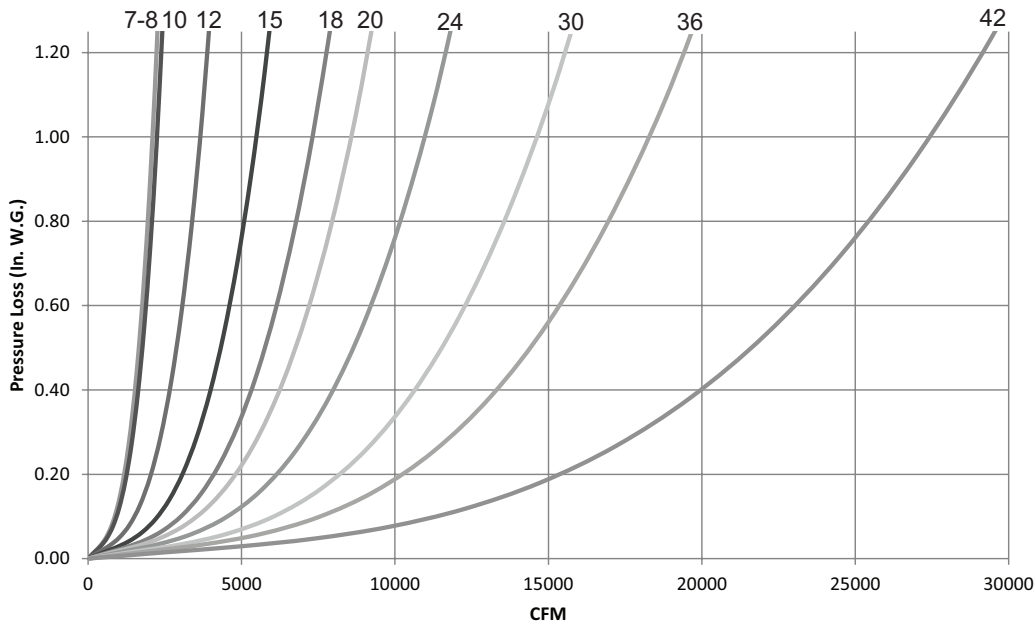
Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	2" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
07-08	25	25	11-7/8	12	29	16	2	15x20x2
10	18	24-1/2	13-7/8	14	37	19	2	16x20x2
12	22	29-1/8	17-7/8	18	50	26	2	20x25x2
15	24	24-5/8	21-7/8	22	49	25	3	20x25x2
18	28	24-5/8	23-7/8	24	65	34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

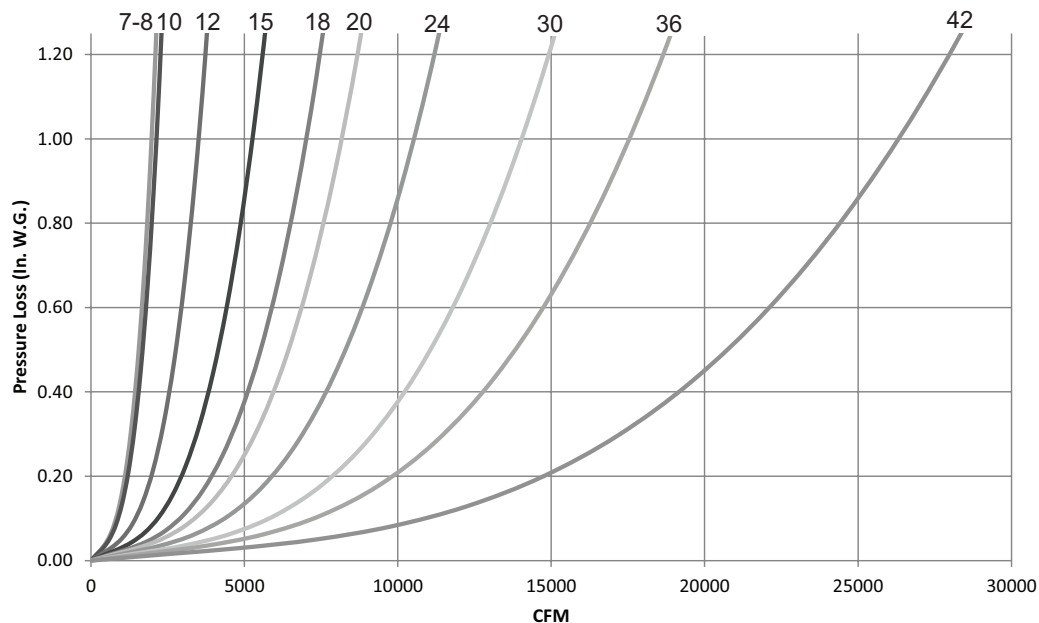
PRESSURE LOSS GUIDE FOR 1" FILTER BOX

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.



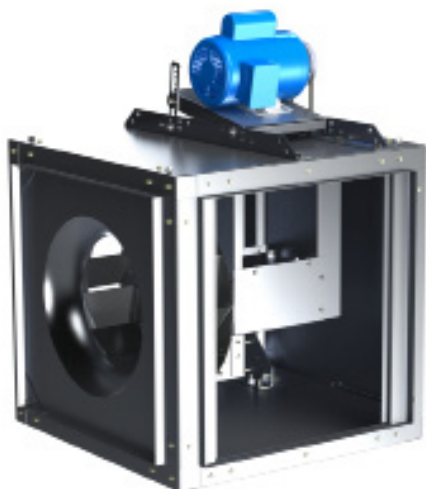
PRESSURE LOSS GUIDE FOR 2" FILTER BOX

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.



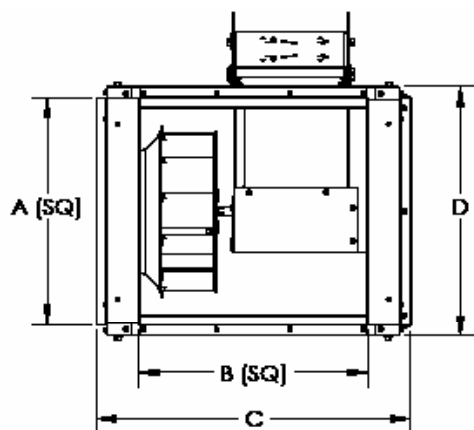


SIDE DISCHARGE OPTION



Dimensions (in.)

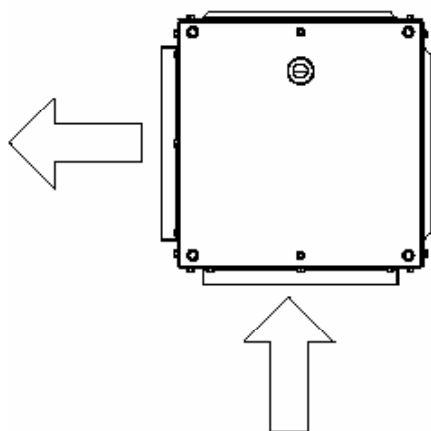
MODEL	A(IN)	B(IN)	C(IN)	D(IN)
SQB 7	11-7/8	11-7/8	23	15
SQB 8	11-7/8	11-7/8	23	15
SQB 10	13-7/8	13-7/8	23	17
SQB 12	17-7/8	17-7/8	23	21
SQB 15	21-7/8	21-7/8	30	24
SQB 15 HP	21-7/8	21-7/8	30	24
SQB 18	23-7/8	23-7/8	30	28
SQB 18 HP	23-7/8	23-7/8	30	28
SQB 20	27-7/8	27-7/8	34	32
SQB 20 HP	27-7/8	23-7/8	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



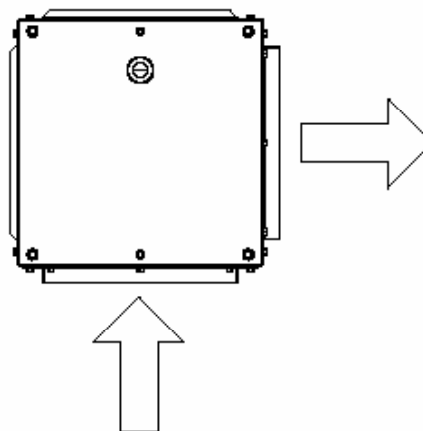
Side Discharge Directions

SIDE DISCHARGE LEFT

SIDE DISCHARGE RIGHT



AIRFLOW

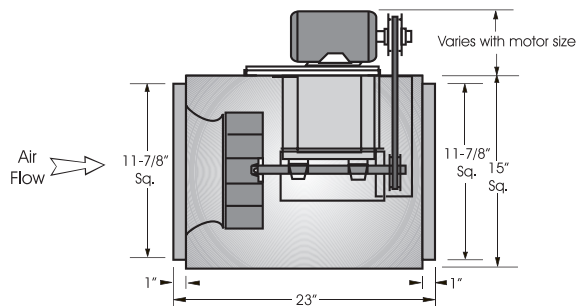


AIRFLOW



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)³Unit 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	-	-	-	-	-	-	-	DP 2	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	-	-	-	-	-	DP 3	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	-	-	-	-	DP 4	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.

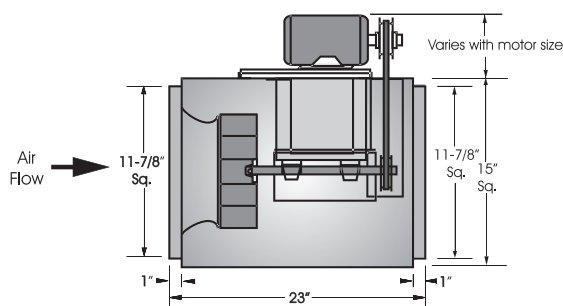


S&P USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the 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 = $(\text{RPM}/2876)^3$

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	-	-	-	-		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	-	-	-	-	DP7	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	-	-	-				
.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	-	-	DP9			
.39/19.5	.40/19.4	.40/19.3	.41/19.1	.41/19.1	.42/18.9	.42/18.8	.39/19.2	-	-				
1078	1036	993	951	907	861	755	592	-	-				
.42/20	.42/20	.43/20	.44/19.9	.44/19.9	.45/19.8	.45/19.6	.44/20	-	-				
1132	1091	1051	1010	969	926	831	708	-	-				
.48/22	.48/22	.49/22	.50/22	.50/22	.51/22	.52/21	.52/22	-	-				
1158	1118	1079	1039	999	958	868	755	540	-				
.51/24	.52/23	.52/23	.53/23	.53/23	.54/23	.55/23	.55/23	.51/23	-				
1238	1200	1163	1126	1089	1051	971	878	758	-				
.62/27	.62/27	.63/27	.63/27	.64/27	.65/27	.66/26	.67/26	.66/26	-				
1318	1282	1247	1212	1177	1142	1068	988	894	766				
.74/30	.74/30	.75/30	.75/29	.76/29	.77/29	.78/29	.79/29	.80/29	.79/29				

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

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



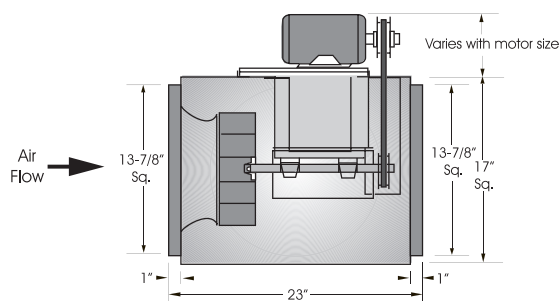
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STANDARD 705



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 = $(\text{RPM}/2376)^3$

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 .09/5.5	687 .09/5.2	540 .09/5.1	-	-	-	-	-	-	-	-	DP 10	1050	1/4	3367
846 .10/6.2	741 .10/5.8	614 .10/5.7	-	-	-	-	-	-	-	-		1100	1/4	3528
917 .12/7.2	821 .12/6.8	712 .12/6.6	557 .12/6.6	-	-	-	-	-	-	-		1175	1/4	3768
988 .14/8.3	897 .15/7.9	800 .15/7.5	681 .15/7.5	436 .12/7.5	-	-	-	-	-	-		1250	1/4	4009
1035 .16/8.8	948 .17/8.4	856 .17/8.0	750 .17/8.0	594 .16/8.0	-	-	-	-	-	-		1300	1/4	4169
1081 .18/9.4	997 .18/8.9	911 .19/8.6	814 .19/8.4	688 .18/8.4	-	-	-	-	-	-		1350	1/4	4330
1127 .20/10.0	1046 .21/9.5	964 .21/9.1	874 .21/8.9	765 .21/8.9	593 .19/8.9	-	-	-	-	-	DP 11	1400	1/4	4490
1173 .22/10.5	1095 .23/10.2	1016 .23/9.7	932 .23/9.4	834 .23/9.4	702 .22/9.4	-	-	-	-	-		1450	1/4	4650
1219 .25/11.1	1143 .25/10.7	1068 .26/10.4	988 .26/10.0	898 .26/9.9	787 .25/9.9	-	-	-	-	-		1500	1/4	4811
1265 .27/11.7	1191 .28/11.3	1118 .28/10.9	1042 .28/10.6	959 .29/10.4	861 .28/10.4	-	-	-	-	-	DP 12	1550	1/3	4971
1310 .30/12.4	1239 .30/12.0	1169 .31/11.6	1096 .31/11.2	1018 .31/11.0	929 .31/11.0	634 .27/10.9	-	-	-	-		1600	1/3	5131
1356 .33/13.1	1286 .33/12.7	1216 .34/12.3	1148 .34/11.9	1074 .34/11.6	992 .34/11.5	763 .32/11.5	-	-	-	-		1650	1/3	5292
1401 .36/13.9	1334 .36/13.5	1267 .37/13.1	1200 .37/12.7	1130 .38/12.4	1053 .38/12.3	857 .36/12.1	-	-	-	-	DP 13	1700	1/2	5452
1469 .41/14.9	1404 .41/14.6	1340 .42/14.3	1276 .42/13.9	1210 .43/13.6	1140 .43/13.3	973 .42/13.3	654 .36/13.2	-	-	-		1775	1/2	5692
1536 .46/16.2	1474 .47/15.8	1413 .47/15.5	1352 .48/15.1	1289 .48/14.8	1224 .48/14.5	1076 .48/14.4	864 .46/14.3	-	-	-		1850	1/2	5933
1581 .50/17.0	1520 .50/16.7	1461 .51/16.3	1401 .51/16.0	1341 .52/15.7	1278 .52/15.3	1139 .53/15.1	957 .51/15.1	-	-	-		1900	1/2	6093
1626 .54/17.9	1566 .54/17.5	1508 .55/17.2	1451 .56/16.9	1392 .56/16.5	1332 .57/16.2	1200 .57/15.9	1037 .56/15.9	741 .49/15.9	-	-		1950	3/4	6254
1693 .60/19.2	1636 .61/18.8	1579 .61/18.5	1524 .62/18.2	1468 .63/17.9	1411 .63/17.6	1288 .64/17.1	1145 .63/17.1	943 .60/17.1	-	-		2025	3/4	6494
1760 .67/21	1704 .68/20	1650 .68/19.9	1597 .69/19.6	1543 .70/19.3	1488 .70/19.0	1373 .71/18.4	1243 .71/18.3	1079 .69/18.2	773 .60/18.3	-		2100	3/4	6735
1827 .75/22	1773 .75/22	1720 .76/21	1669 .76/21	1617 .77/21	1564 .78/20	1456 .79/19.8	1336 .79/19.5	1194 .78/19.5	993 .74/19.4	-		2175	3/4	6975
1894 .83/24	1841 .83/23	1790 .84/23	1740 .84/23	1690 .85/22	1640 .86/22	1536 .87/21	1424 .87/21	1297 .87/21	1135 .85/21	849 .74/21		2250	1	7216
2027 1.00/27	1977 1.01/27	1929 1.01/26	1882 1.02/26	1835 1.03/26	1788 1.03/25	1693 1.05/25	1593 1.06/24	1484 1.06/24	1360 1.06/24	1205 1.03/24		2400	1	7697

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.

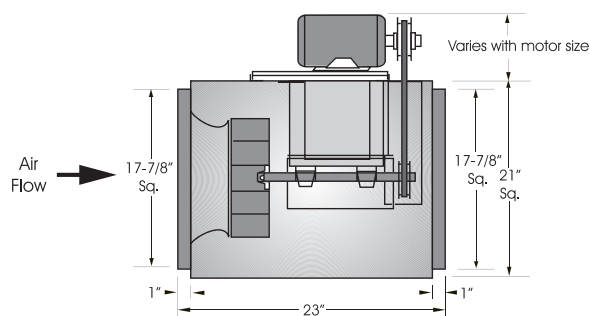


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SQB 12



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 .12/5.9	1098 .12/5.6	769 .11/5.4	-	-	-	-	-	-	-	-	DP 15	900	1/4	3181
1474 .16/7.3	1309 .16/7.0	1102 .16/6.8	-	-	-	-	-	-	-	-		1000	1/4	3534
1518 .17/7.6	1359 .18/7.4	1165 .18/7.1	806 .15/6.9	-	-	-	-	-	-	-		1025	1/4	3623
1607 .20/8.4	1458 .20/8.1	1284 .21/7.9	1036 .20/7.7	-	-	-	-	-	-	-		1075	1/4	3799
1686 .22/9.1	1544 .23/8.9	1384 .23/8.6	1177 .23/8.4	-	-	-	-	-	-	-		1120	1/4	3958
1773 .25/10.0	1639 .26/9.7	1491 .26/9.4	1312 .26/9.3	1032 .24/9.1	-	-	-	-	-	-		1170	1/4	4135
1868 .29/11.0	1741 .30/10.8	1604 .30/10.5	1445 .30/10.3	1235 .30/10.1	-	-	-	-	-	-	DP 17	1225	1/3	4330
1954 .33/12.0	1833 .33/11.8	1704 .34/11.5	1558 .34/11.3	1380 .34/11.1	1099 .31/10.9	-	-	-	-	-		1275	1/3	4506
2040 .37/13.1	1924 .37/12.8	1801 .38/12.5	1667 .39/12.3	1509 .38/12.1	1297 .37/11.9	-	-	-	-	-		1325	1/2	4683
2168 .43/14.6	2059 .44/14.3	1945 .45/14.1	1822 .45/13.8	1685 .45/13.7	1520 .45/13.5	-	-	-	-	-	DP 18	1400	1/2	4948
2296 .51/15.8	2192 .51/15.5	2085 .52/15.3	1973 .53/15.1	1850 .53/14.9	1710 .53/14.7	1282 .48/14.5	-	-	-	-		1475	1/2	5213
2380 .56/16.6	2280 .57/16.3	2178 .57/16.1	2070 .58/15.9	1955 .59/15.7	1827 .59/15.6	1481 .56/15.3	-	-	-	-		1525	3/4	5390
2465 .62/17.3	2368 .62/17.1	2269 .63/16.9	2167 .64/16.7	2057 .64/16.5	1938 .65/16.4	1639 .63/16.1	-	-	-	-		1575	3/4	5567
2549 .68/18.2	2456 .68/18.0	2360 .69/17.8	2262 .70/17.6	2158 .71/17.4	2046 .71/17.2	1778 .70/17.0	1303 .62/16.7	-	-	-		1625	3/4	5743
2633 .74/19.0	2543 .75/18.8	2450 .76/18.6	2356 .76/18.4	2256 .77/18.2	2151 .78/18.0	1906 .78/17.8	1545 .73/17.6	-	-	-	DP 19	1675	3/4	5920
2675 .77/19.4	2586 .78/19.2	2495 .79/19.0	2402 .80/18.6	2305 .80/18.6	2202 .81/18.5	1967 .81/18.2	1638 .78/18.0	-	-	-		1700	1	6008
2759 .84/21	2672 .85/20	2585 .86/20	2495 .87/19.9	2402 .88/19.6	2304 .88/19.4	2084 .89/19.1	1800 .87/18.9	1111 .66/18.7	-	-		1750	1	6185
2843 .92/22	2758 .93/21	2673 .93/21	2586 .94/21	2497 .95/21	2403 .96/21	2197 .97/20	1943 .95/19.7	1539 .87/19.5	-	-		1800	1	6362
2926 1.00/23	2844 1.00/22	2762 1.01/22	2678 1.02/22	2591 1.03/22	2501 1.04/22	2306 1.05/21	2074 1.04/21	1751 .99/20	-	-		1850	1	6538
3010 1.08/24	2930 1.09/24	2850 1.09/23	2768 1.10/23	2684 1.11/23	2598 1.12/23	2412 1.13/22	2197 1.13/22	1920 1.10/22	1356 .91/21	-	DP 20	1900	1-1/2	6715
3176 1.26/26	3101 1.27/26	3024 1.27/26	2947 1.28/26	2869 1.29/25	2788 1.30/25	2618 1.32/25	2428 1.33/24	2203 1.32/24	1897 1.26/24	-		2000	1-1/2	7069
3384 1.51/29	3313 1.52/29	3241 1.52/29	3169 1.53/29	3096 1.54/29	3022 1.55/28	2866 1.57/28	2699 1.59/28	2510 1.59/27	2286 1.57/27	1979 1.50/26		2125	1-1/2	7510

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.

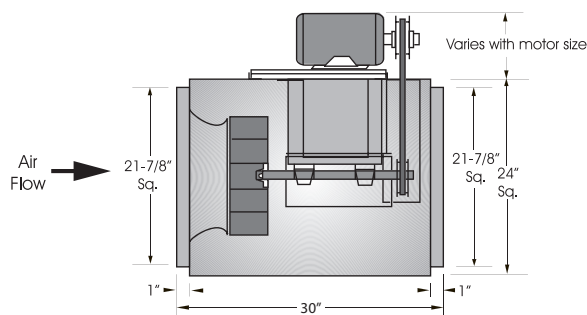


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SQB 15



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 .13/6.4	1408 .14/5.8	1135 .14/5.0	-	-	-	-	-	-	-	-	-	DP 21	770	1/4	3126
1753 .16/7.3	1567 .16/6.8	1349 .17/6.1	-	-	-	-	-	-	-	-	-		825	1/4	3348
1894 .19/8.3	1721 .20/7.7	1531 .20/7.1	1269 .20/6.3	-	-	-	-	-	-	-	-		880	1/4	3571
2071 .23/9.6	1911 .24/9.0	1745 .25/8.4	1548 .26/7.7	1227 .24/7.0	-	-	-	-	-	-	-		950	1/4	3855
2172 .26/10.3	2018 .27/9.7	1861 .29/9.2	1684 .29/8.6	1447 .29/7.8	-	-	-	-	-	-	-	DP 22	990	1/3	4017
2347 .32/11.7	2203 .33/11.1	2058 .35/10.6	1904 .36/10.2	1723 .36/9.4	1464 .35/8.7	-	-	-	-	-	-		1060	1/3	4301
2459 .36/12.6	2320 .38/12.1	2182 .39/11.6	2038 .40/11.1	1877 .41/10.5	1674 .40/9.7	-	-	-	-	-	-		1105	1/2	4484
2595 .42/13.7	2462 .43/13.3	2331 .45/12.9	2197 .46/12.4	2052 .47/12.0	1884 .47/11.1	-	-	-	-	-	-		1160	1/2	4707
2707 .47/14.9	2577 .48/14.3	2452 .50/13.9	2324 .51/13.5	2189 .52/13.1	2038 .53/12.4	1576 .49/10.8	-	-	-	-	-	DP 23	1205	1/2	4890
2842 .54/16.0	2718 .55/15.6	2597 .56/15.1	2476 .58/14.6	2350 .59/14.2	2214 .60/13.7	1865 .59/12.2	-	-	-	-	-		1260	3/4	5113
3026 .64/17.7	2908 .65/17.2	2794 .66/16.7	2680 .68/16.3	2564 .69/15.9	2442 .71/15.4	2159 .72/14.1	1668 .66/12.7	-	-	-	-		1335	3/4	5417
3124 .70/18.5	3009 .71/18.1	2897 .72/17.6	2787 .74/17.2	2675 .75/16.8	2559 .77/16.4	2298 .78/15.1	1925 .76/13.8	-	-	-	-		1375	3/4	5580
3295 .81/20	3184 .82/19.6	3078 .83/19.2	2973 .85/18.8	2868 .87/18.4	2760 .88/18.0	2526 .90/17.1	2236 .91/15.6	1585 .76/14.3	-	-	-	DP 24	1445	1	5864
3502 .96/22	3396 .97/22	3295 .98/21	3196 1.00/21	3097 1.02/20	2996 1.03/19.9	2786 1.06/19.2	2545 1.08/18.0	2225 1.06/16.7	-	-	-		1530	1	6209
3575 1.01/23	3471 1.03/22	3371 1.04/22	3274 1.06/21	3177 1.08/21	3079 1.09/21	2874 1.12/19.9	2645 1.14/18.8	2356 1.13/17.5	1672 .93/16.2	-	-		1560	1-1/2	6330
3732 1.14/24	3632 1.16/24	3536 1.17/24	3442 1.19/23	3349 1.21/23	3255 1.23/22	3063 1.26/21	2853 1.29/21	2608 1.29/19.3	2268 1.25/18.1	-	-		1625	1-1/2	6594
3854 1.25/26	3756 1.27/25	3662 1.28/25	3570 1.30/24	3480 1.32/24	3390 1.34/24	3205 1.37/23	3007 1.40/22	2784 1.42/21	2503 1.40/19.5	1963 1.24/18.4	-	DP 25	1675	1-1/2	6797
3999 1.39/27	3904 1.40/27	3813 1.42/26	3724 1.44/26	3636 1.46/25	3549 1.48/25	3372 1.51/24	3187 1.55/24	2983 1.57/22	2742 1.57/21	2413 1.52/20	-		1735	1-1/2	7040
4023 1.42/27	3928 1.43/27	3838 1.44/26	3749 1.46/26	3662 1.48/26	3576 1.50/25	3400 1.54/25	3216 1.57/24	3015 1.60/23	2780 1.60/22	2465 1.56/20	-		1745	2	7081
4119 1.52/28	4027 1.53/28	3938 1.54/28	3851 1.56/27	3766 1.58/27	3681 1.60/26	3510 1.64/26	3333 1.68/25	3141 1.70/24	2923 1.71/23	2651 1.69/22	2181 1.54/20		1785	2	7243
4252 1.66/30	4162 1.67/29	4075 1.69/29	3991 1.71/29	3908 1.73/28	3826 1.75/28	3660 1.79/27	3490 1.82/26	3310 1.86/26	3110 1.88/24	2876 1.87/23	2558 1.81/22	DP 26	1840	2	7467
4421 1.85/32	4333 1.87/31	4249 1.88/31	4168 1.90/31	4087 1.92/30	4008 1.94/30	3849 1.98/29	3688 2.03/28	3518 2.06/27	3336 2.09/27	3131 2.10/25	2884 2.08/24		1910	2	7751

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.

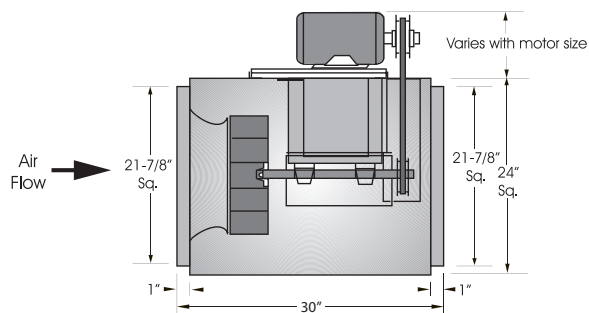


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SQBHP 15



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 .31/12.6	741 .26/11.8	-	-	-	-	-	-	-	-	-	-	DP 28	DP 29		1140	1/3	4626
1432 .35/13.8	1002 .32/13.1	-	-	-	-	-	-	-	-	-	-				1180	1/3	4788
1850 .51/18.2	1588 .51/17.5	1220 .48/16.8	-	-	-	-	-	-	-	-	-	DP 30			1340	1/2	5438
1910 .53/18.8	1660 .54/18.0	1326 .52/17.4	-	-	-	-	-	-	-	-	-				1365	1/2	5539
1969 .56/19.4	1731 .57/18.6	1422 .55/17.9	847 .46/17.4	-	-	-	-	-	-	-	-	DP 31			1390	3/4	5640
2086 .62/21	1865 .63/19.8	1595 .62/19.1	1200 .58/18.4	-	-	-	-	-	-	-	-				1440	3/4	5843
2200 .69/22	1994 .70/21	1751 .70/20	1431 .67/19.6	-	-	-	-	-	-	-	-	DP 32			1490	3/4	6046
2312 .75/24	2118 .77/23	1896 .77/21	1621 .76/21	1210 .69/20	-	-	-	-	-	-	-				1540	3/4	6249
2421 .83/26	2239 .84/24	2033 .85/23	1788 .84/22	1464 .80/21	-	-	-	-	-	-	-	DP 33			1590	1	6452
2530 .90/27	2356 .92/26	2163 .93/25	1941 .93/23	1666 .90/23	1255 .82/22	-	-	-	-	-	-				1640	1	6655
2637 .98/29	2471 1.00/28	2290 1.02/27	2085 1.02/25	1842 1.01/24	1521 .95/23	-	-	-	-	-	-	DP 33			1690	1	6858
2690 1.02/30	2528 1.05/29	2352 1.06/28	2154 1.07/26	1924 1.06/25	1630 1.02/24	1155 .89/23	-	-	-	-	-				1715	1	6959
2742 1.06/30	2584 1.09/31	2412 1.11/29	2222 1.12/27	2002 1.11/26	1730 1.07/24	1334 .98/24	-	-	-	-	-	DP 33			1740	1-1/2	7061
2847 1.15/32	2695 1.18/32	2532 1.20/31	2353 1.21/29	2151 1.21/27	1912 1.19/26	1601 1.13/25	1044 .95/25	-	-	-	-				1790	1-1/2	7264
2951 1.25/33	2805 1.28/34	2649 1.30/32	2480 1.32/31	2293 1.32/31	2077 1.31/28	1814 1.27/27	1443 1.17/26	-	-	-	-	DP 33			1840	1-1/2	7467
3054 1.35/35	2913 1.38/35	2764 1.40/34	2604 1.42/33	2428 1.43/31	2231 1.42/30	1999 1.40/28	1702 1.34/28	1225 1.18/27	-	-	-				1890	1-1/2	7669
3156 1.45/36	3020 1.48/36	2877 1.51/36	2724 1.53/35	2559 1.54/33	2376 1.54/31	2166 1.53/30	1914 1.49/29	1572 1.39/29	-	-	-	DP 33			1940	1-1/2	7872
3258 1.56/38	3126 1.60/38	2988 1.63/38	2842 1.65/37	2685 1.66/35	2514 1.67/33	2322 1.66/32	2099 1.63/31	1821 1.57/30	1410 1.42/30	-	-				1990	2	8075
3359 1.67/39	3231 1.71/39	3098 1.74/40	2958 1.77/39	2809 1.79/37	2647 1.80/35	2469 1.79/34	2267 1.77/33	2028 1.73/32	1716 1.64/32	1179 1.40/31	-	DP 33			2040	2	8278
3459 1.79/41	3336 1.83/41	3207 1.87/41	3072 1.90/41	2929 1.92/39	2776 1.93/38	2610 1.93/36	2424 1.92/35	2211 1.89/34	1952 1.83/34	1596 1.70/33	-				2090	2	8481
3499 1.84/42	3377 1.88/42	3250 1.92/42	3117 1.95/42	2977 1.97/40	2827 1.98/38	2664 1.99/37	2485 1.98/36	2280 1.95/35	2036 1.90/34	1715 1.79/34	1131 1.50/33	DP 33			2110	2	8562
3539 1.89/43	3418 1.93/42	3293 1.97/43	3162 2.00/43	3024 2.03/41	2877 2.04/39	2718 2.05/38	2544 2.04/37	2347 2.02/36	2115 1.97/35	1821 1.88/34	1361 1.67/34				2130	2	8643

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.

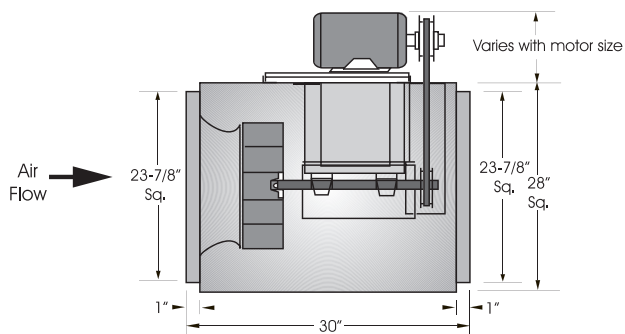


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SQB 18



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.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4				
2395	2155	1888	1443	-	-	-	-	-	-	-	-	DP 34	700	1/3	3390
.22/6.7	.23/6.2	.24/6.0	.23/5.9	-	-	-	-	-	-	-	-		750	1/3	3632
2600	2376	2141	1845	-	-	-	-	-	-	-	-		800	1/3	3875
.27/7.6	.28/7.2	.30/6.9	.30/6.7	-	-	-	-	-	-	-	-	DP 35	850	1/2	4117
2803	2592	2378	2135	1786	-	-	-	-	-	-	-		900	1/2	4359
.32/8.6	.34/8.2	.35/7.8	.36/7.6	.35/7.4	-	-	-	-	-	-	-		925	1/2	4480
3005	2805	2607	2393	2135	1662	-	-	-	-	-	-	DP 36	975	3/4	4722
.38/9.6	.40/9.2	.42/8.9	.43/8.5	.43/8.3	.39/8.1	-	-	-	-	-	-		1025	3/4	4964
3206	3014	2829	2635	2417	2137	-	-	-	-	-	-		1050	1	5085
.45/10.8	.47/10.3	.49/9.9	.51/9.6	.52/9.3	.51/9.0	-	-	-	-	-	-	DP 37	1100	1	5328
3306	3119	2938	2752	2548	2301	-	-	-	-	-	-		1125	1	5449
.49/11.3	.51/10.9	.53/10.6	.55/10.2	.56/9.8	.56/9.6	-	-	-	-	-	-		1150	1	5570
3505	3326	3154	2981	2797	2589	1754	-	-	-	-	-	DP 38	1200	1-1/2	5812
.57/12.5	.59/12.1	.61/11.7	.63/11.3	.65/11.0	.66/10.7	.56/10.2	-	-	-	-	-		1250	1-1/2	6054
3704	3531	3367	3204	3034	2851	2364	-	-	-	-	-		1300	1-1/2	6296
.66/13.7	.68/13.4	.71/13.0	.73/12.6	.75/12.3	.76/11.9	.75/11.3	-	-	-	-	-	DP 39	1325	2	6417
3803	3633	3473	3314	3150	2976	2541	-	-	-	-	-		1375	2	6660
.71/14.4	.73/14.0	.76/13.6	.78/13.3	.80/12.9	.81/12.5	.81/11.9	-	-	-	-	-		1425	2	6902
4000	3837	3682	3531	3377	3217	2846	2189	-	-	-	-	DP 40	1475	3	7144
.81/15.7	.84/15.3	.86/14.9	.89/14.6	.91/14.2	.93/13.9	.94/13.2	.86/12.5	-	-	-	-		1525	3	7386
4099	3938	3787	3638	3489	3334	2985	2469	-	-	-	-		1600	3	7749
.87/16.3	.89/15.9	.92/15.6	.94/15.2	.97/14.9	.99/14.5	1.01/13.8	.97/13.2	-	-	-	-	DP 40	1640	3	7943
4198	4039	3890	3745	3600	3450	3119	2673	-	-	-	-				
.92/17.0	.95/16.6	.98/16.3	1.00/15.9	1.03/15.6	1.05/15.2	1.07/14.5	1.06/13.9	-	-	-	-				
4394	4241	4097	3957	3818	3677	3374	3006	2313	-	-	-	DP 39	1200	1-1/2	5812
1.05/18.5	1.07/18.1	1.10/17.7	1.13/17.4	1.16/17.0	1.18/16.7	1.21/15.9	1.22/15.2	1.10/14.6	-	-	-		1250	1-1/2	6054
4591	4442	4303	4168	4034	3900	3618	3295	2853	-	-	-		1300	1-1/2	6296
1.18/19.7	1.21/19.4	1.24/19.0	1.27/18.7	1.30/18.3	1.32/18.0	1.36/17.3	1.38/16.6	1.35/15.9	-	-	-	DP 40	1325	2	6417
4786	4642	4507	4376	4248	4120	3854	3562	3202	2566	-	-		1375	2	6660
1.33/21	1.36/21	1.39/20	1.42/20	1.45/19.7	1.47/19.4	1.52/18.7	1.55/18.0	1.55/17.3	1.42/16.7	-	-		1425	2	6902
4884	4742	4609	4480	4354	4228	3970	3689	3356	2865	-	-	DP 40	1475	3	7144
1.40/22	1.43/21	1.46/21	1.50/21	1.52/20	1.55/20	1.60/19.4	1.64/18.7	1.64/18.1	1.57/17.4	-	-		1525	3	7386
5080	4941	4812	4687	4565	4444	4198	3937	3641	3265	-	-		1600	3	7749
1.57/23	1.60/23	1.63/22	1.66/22	1.69/22	1.72/21	1.78/21	1.82/20	1.84/19.5	1.82/18.9	-	-	DP 40	1640	3	7943
5275	5140	5014	4893	4774	4657	4422	4176	3906	3588	3141	-				
1.74/24	1.77/24	1.81/24	1.84/23	1.87/23	1.90/23	1.96/22	2.01/22	2.04/21	2.04/20	1.97/19.7	-				
5469	5339	5216	5098	4983	4869	4643	4409	4159	3877	3526	2924	DP 40	1475	3	7144
1.93/26	1.96/25	2.00/25	2.03/25	2.06/25	2.10/24	2.16/24	2.21/23	2.25/22	2.27/22	2.25/21	2.07/21		1525	3	7386
5664	5536	5416	5301	5190	5079	4861	4638	4403	4146	3845	3447		1600	3	7749
2.13/27	2.16/27	2.20/27	2.23/26	2.27/26	2.30/26	2.37/25	2.43/25	2.48/24	2.51/23	2.51/23	2.44/22	DP 40	1640	3	7943
5955	5833	5717	5606	5498	5393	5184	4974	4757	4526	4271	3972				
2.45/29	2.49/29	2.53/29	2.56/28	2.60/28	2.64/28	2.71/27	2.78/27	2.83/26	2.87/26	2.90/25	2.89/24				
6111	5990	5877	5786	5662	5559	5355	5151	4941	4721	4482	4212	DP 40			
2.64/30	2.68/30	2.72/30	2.75/30	2.79/29	2.83/29	2.90/29	2.97/28	3.03/28	3.08/27	3.11/26	3.12/26				

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.

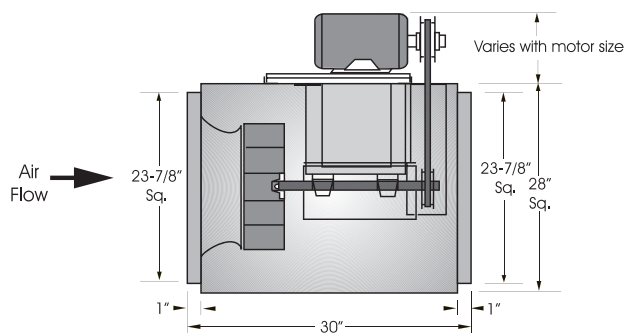


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SQBHP 18



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)³Unit 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	-	-	-	-	-	-	-	-	-		1000	1/2	4843
2318 .57/10.6	1845 .55/9.6	-	-	-	-	-	-	-	-	-	DP 42	1025	3/4	4964
2525 .65/11.9	2165 .66/10.8	-	-	-	-	-	-	-	-	-		1075	3/4	5207
2721 .74/13.3	2416 .76/12.2	1857 .69/11.2	-	-	-	-	-	-	-	-	DP 43	1125	3/4	5449
2817 .78/14.0	2530 .81/12.9	2095 .78/11.9	-	-	-	-	-	-	-	-		1150	1	5570
3004 .88/15.5	2746 .91/14.3	2410 .91/13.3	-	-	-	-	-	-	-	-	DP 44	1200	1	5812
3187 .98/17.0	2950 1.02/15.8	2664 1.04/14.7	2216 .99/13.8	-	-	-	-	-	-	-		1250	1	6054
3277 1.03/17.6	3049 1.08/16.5	2780 1.10/15.4	2403 1.07/14.4	-	-	-	-	-	-	-	DP 45	1275	1	6175
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	-	-	-	-	-	-		1325	1-1/2	6417
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	1375	1-1/2	6660
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	-	-	-	-	-		1425	1-1/2	6902
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	1475	2	7144
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	-	-	-	-		1525	2	7386
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	1550	2	7507
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	-	-	-	-		1575	2	7628
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	1600	3	7749
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	-	-	-		1650	3	7991
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	1700	3	8234
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	-		1750	3	8476
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	1775	3	8597
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		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.

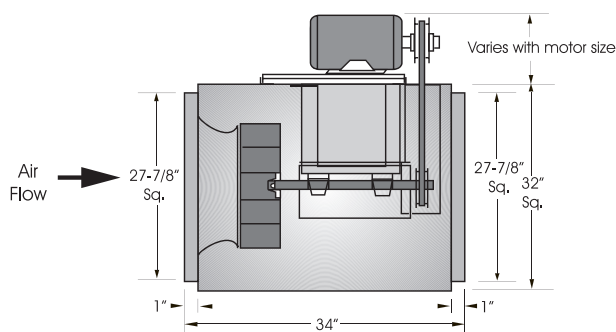


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SQB 20



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.

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

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

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

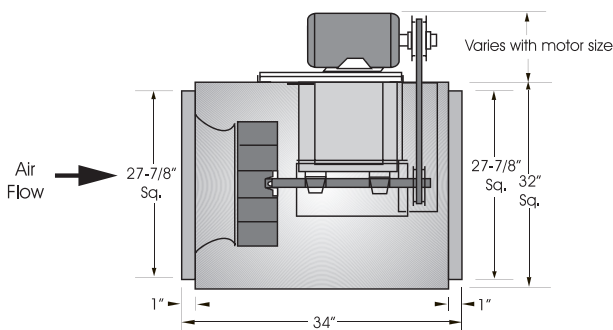


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SQBHP 20



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 .65/10.1	1908 .56/9.1	-	-	-	-	-	-	-	DP 54	850	3/4	4784
3051 .70/10.9	2380 .67/9.7	-	-	-	-	-	-	-		875	3/4	4925
3218 .76/11.8	2656 .75/10.4	-	-	-	-	-	-	-		900	3/4	5066
3536 .89/13.9	3086 .90/11.9	2120 .78/10.9	-	-	-	-	-	-	DP 55	950	1	5347
3839 1.02/15.6	3452 1.05/13.7	2907 1.03/12.4	-	-	-	-	-	-		1000	1	5629
3986 1.09/16.4	3622 1.13/14.8	3144 1.12/13.2	-	-	-	-	-	-		1025	1-1/2	5769
4275 1.25/18.1	3946 1.29/17.2	3549 1.31/14.9	2957 1.26/13.7	-	-	-	-	-	DP 56	1075	1-1/2	6051
4416 1.33/19.0	4102 1.38/18.2	3732 1.40/16.0	3230 1.38/14.6	-	-	-	-	-		1100	1-1/2	6192
4557 1.41/19.9	4254 1.47/19.2	3907 1.50/17.2	3463 1.49/15.4	2546 1.31/14.5	-	-	-	-		1125	1-1/2	6332
4668 1.48/21	4375 1.54/19.9	4043 1.58/18.1	3632 1.58/16.1	2974 1.48/15.1	-	-	-	-	DP 57	1145	1-1/2	6445
4696 1.50/21	4405 1.56/20	4076 1.60/18.4	3673 1.60/16.3	3048 1.52/15.3	-	-	-	-		1150	2	6473
4834 1.59/22	4553 1.65/21	4240 1.70/19.7	3868 1.71/17.5	3353 1.66/16.1	-	-	-	-		1175	2	6614
4971 1.68/23	4699 1.75/22	4400 1.80/21	4053 1.82/18.7	3603 1.80/17.0	2601 1.55/16.2	-	-	-	DP 58	1200	2	6754
5107 1.78/24	4843 1.85/23	4556 1.90/22	4229 1.93/19.9	3826 1.93/18.0	3194 1.82/17.0	-	-	-		1225	2	6895
5242 1.88/25	4986 1.96/24	4709 2.01/23	4400 2.05/21	4030 2.06/19.1	3517 1.99/17.9	-	-	-		1250	2	7036
5510 2.09/26	5267 2.18/25	5009 2.24/25	4727 2.29/24	4405 2.32/21	4007 2.30/19.6	3398 2.18/18.8	-	-	DP 58	1300	3	7317
5643 2.20/27	5406 2.29/26	5156 2.36/26	4885 2.42/25	4581 2.45/23	4218 2.44/21	3721 2.37/19.6	-	-		1325	3	7458
5775 2.32/27	5544 2.41/27	5302 2.49/26	5041 2.55/26	4751 2.58/24	4415 2.59/22	3984 2.55/20	3203 2.32/19.6	-		1350	3	7599
5907 2.44/28	5681 2.53/28	5445 2.61/27	5193 2.68/27	4917 2.72/25	4602 2.74/23	4216 2.72/21	3650 2.59/20	-	DP 58	1375	3	7739
6039 2.56/29	5818 2.66/29	5588 2.75/28	5344 2.81/27	5079 2.86/26	4782 2.89/24	4430 2.88/22	3959 2.80/21	-		1400	3	7880
6170 2.69/29	5953 2.79/29	5729 2.88/29	5493 2.95/28	5238 3.01/27	4956 3.04/25	4629 3.05/23	4219 3.00/22	3554 2.80/21		1425	3	8021
6248 2.77/30	6035 2.88/30	5814 2.96/29	5581 3.04/29	5332 3.10/28	5058 3.14/26	4744 3.15/24	4360 3.11/23	3798 2.97/22	DP 58	1440	3	8105

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.

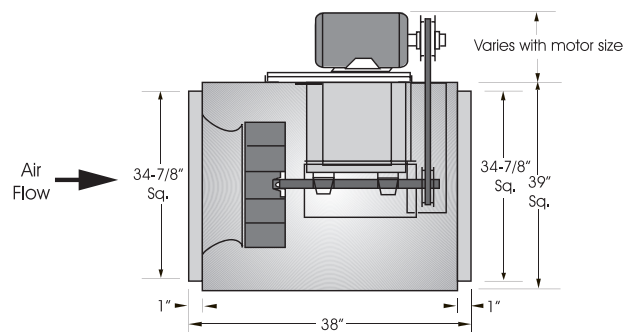


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SQB 24



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)³Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 320 lbs.

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

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

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

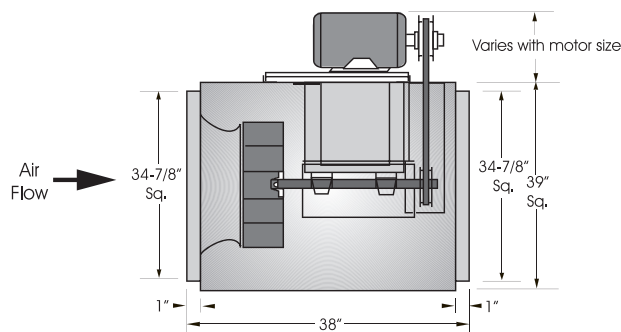


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SQBHP 24



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 .99/12.0	3195 .91/10.4	-	-	-	-	-	-	-	-	-	-	DP 66	765	1	4957
4474 1.07/12.8	3589 1.03/11.7	-	-	-	-	-	-	-	-	-	-		785	1	5086
4794 1.19/14.0	4054 1.18/12.8	-	-	-	-	-	-	-	-	-	-	DP 67	815	1-1/2	5281
5251 1.38/15.8	4635 1.40/14.7	3676 1.31/13.2	-	-	-	-	-	-	-	-	-		860	1-1/2	5572
5641 1.56/17.5	5095 1.61/16.4	4370 1.58/15.3	-	-	-	-	-	-	-	-	-	DP 68	900	1-1/2	5832
5973 1.74/19.1	5472 1.79/18.0	4853 1.80/16.8	3868 1.66/15.1	-	-	-	-	-	-	-	-		935	2	6058
6159 1.84/20	5680 1.90/18.9	5103 1.92/17.8	4281 1.84/16.7	-	-	-	-	-	-	-	-	DP 69	955	2	6188
6481 2.03/22	6034 2.10/20	5515 2.14/19.4	4848 2.11/18.4	3558 1.81/15.6	-	-	-	-	-	-	-		990	2	6415
6887 2.29/24	6473 2.38/23	6008 2.44/21	5453 2.44/20	4687 2.35/19.5	-	-	-	-	-	-	-	DP 70	1035	3	6706
7331 2.61/26	6947 2.71/25	6527 2.78/24	6047 2.82/23	5458 2.79/22	4589 2.62/20	-	-	-	-	-	-		1085	3	7030
7725 2.92/27	7364 3.03/27	6974 3.11/25	6542 3.17/24	6039 3.18/23	5400 3.11/23	4319 2.80/20	-	-	-	-	-	DP 71	1130	3	7322
7985 3.14/28	7637 3.25/28	7265 3.35/27	6857 3.42/26	6395 3.45/25	5836 3.41/24	5059 3.25/23	-	-	-	-	-		1160	5	7516
8330 3.45/30	7997 3.57/30	7645 3.68/28	7265 3.76/27	6844 3.81/26	6357 3.81/25	5750 3.73/25	4815 3.45/22	-	-	-	-	DP 72	1200	5	7775
8671 3.77/31	8352 3.91/31	8018 4.02/30	7660 4.11/29	7272 4.18/28	6835 4.21/27	6321 4.18/26	5654 4.05/25	4413 3.54/22	-	-	-		1240	5	8035
8968 4.08/33	8660 4.22/33	8339 4.34/32	7999 4.44/31	7633 4.52/30	7230 4.57/29	6770 4.57/28	6213 4.50/27	5440 4.27/26	-	-	-	DP 73	1275	5	8261
9179 4.30/34	8878 4.45/34	8566 4.58/33	8237 4.69/32	7885 4.77/31	7502 4.83/30	7072 4.85/29	6567 4.81/28	5921 4.66/27	4817 4.19/25	-	-		1300	5	8423
9431 4.59/35	9139 4.74/35	8836 4.87/34	8519 4.99/33	8183 5.09/32	7820 5.16/31	7419 5.19/31	6962 5.18/30	6408 5.09/29	5645 4.84/27	-	-	DP 74	1330	5	8618
9891 5.14/37	9613 5.30/37	9326 5.44/37	9028 5.58/36	8715 5.69/35	8382 5.78/34	8023 5.84/33	7626 5.86/32	7174 5.84/32	6630 5.74/31	5891 5.47/29	-		1385	7 1/2	8974
10223 5.56/39	9954 5.73/39	9678 5.89/39	9392 6.03/38	9094 6.15/37	8779 6.25/36	8443 6.33/35	8078 6.38/34	7673 6.38/34	7207 6.34/33	6637 6.19/32	5829 5.84/30	DP 75	1425	7 1/2	9233
10513 5.96/41	10251 6.13/41	9984 6.29/41	9707 6.44/40	9420 6.57/39	9119 6.68/38	8800 6.77/37	8458 6.84/36	8084 6.87/36	7665 6.85/35	7176 6.77/34	6562 6.57/33		1460	7 1/2	9460
10760 6.31/42	10505 6.49/42	10244 6.66/42	9975 6.81/42	9697 6.95/41	9406 7.07/40	9100 7.17/39	8774 7.25/38	8422 7.29/37	8034 7.30/36	7593 7.25/36	7068 7.12/35	DP 76	1490	7 1/2	9564
10996 6.61/43	10716 6.80/43	10460 6.97/43	10197 7.13/43	9925 7.27/42	9642 7.40/41	9346 7.51/40	9032 7.59/40	8696 7.65/39	8329 7.68/38	7919 7.65/37	7445 7.56/36		1515	7 1/2	9816

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.

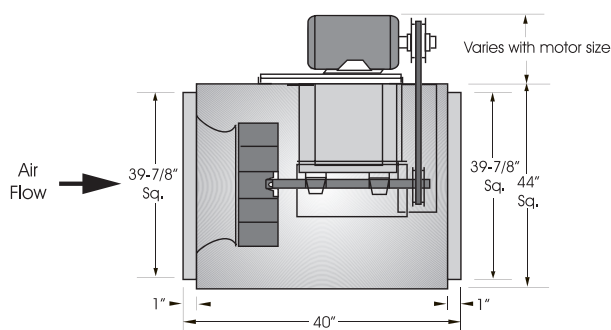


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SQB 30



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	-	-	-	-	-	-	-	-	-		450	3/4	3608
6341	5711	4978	3879	-	-	-	-	-	-	-	-		470	3/4	3768
.63/8.5	.67/8.0	.69/7.3	.65/6.5	-	-	-	-	-	-	-	-	DP 73	500	1	4009
6675	6079	5408	4526	-	-	-	-	-	-	-	-		520	1	4169
.71/9.3	.75/8.8	.78/8.1	.77/7.3	-	-	-	-	-	-	-	-		550	1-1/2	4410
7174	6619	6017	5300	4214	-	-	-	-	-	-	-	DP 74	575	1-1/2	4610
.85/10.6	.90/10.0	.93/9.5	.94/8.6	.89/7.8	-	-	-	-	-	-	-		590	1-1/2	4730
7503	6972	6406	5757	4900	-	-	-	-	-	-	-		625	2	5011
.95/11.6	1.00/10.9	1.04/10.4	1.06/9.6	1.04/8.7	-	-	-	-	-	-	-	DP 75	650	2	5211
7995	7496	6973	6397	5707	4707	-	-	-	-	-	-		700	3	5612
1.12/13.0	1.17/12.4	1.22/11.9	1.25/11.2	1.25/10.2	1.19/9.4	-	-	-	-	-	-		725	3	5813
8403	7926	7433	6901	6294	5525	-	-	-	-	-	-	DP 76	750	3	6013
1.28/14.3	1.33/13.7	1.38/13.2	1.42/12.6	1.43/11.7	1.41/10.7	-	-	-	-	-	-		800	5	6414
8646	8182	7705	7196	6625	5935	-	-	-	-	-	-		825	5	6615
1.37/15.1	1.43/14.5	1.48/14.0	1.52/13.4	1.55/12.5	1.54/11.6	-	-	-	-	-	-	DP 77	850	5	6815
9212	8775	8330	7863	7358	6784	5002	-	-	-	-	-		875	5	7015
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	-	-	-	-	-	DP 78	885	5	7096
9615	9195	8770	8328	7857	7337	5958	-	-	-	-	-		925	7 1/2	7416
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	-	-	-	-	-		950	7 1/2	7617
10417	10027	9635	9233	8815	8369	7324	5651	-	-	-	-	DP 79	975	7 1/2	7817
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	-	-	-	-		1000	7 1/2	8018
10817	10440	10062	9677	9279	8860	7909	6605	-	-	-	-				
2.51/21	2.59/21	2.66/20	2.72/19.7	2.78/19.3	2.83/18.9	2.88/17.4	2.78/15.9	-	-	-	-				
11215	10851	10487	10116	9736	9339	8461	7349	5116	-	-	-				
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.

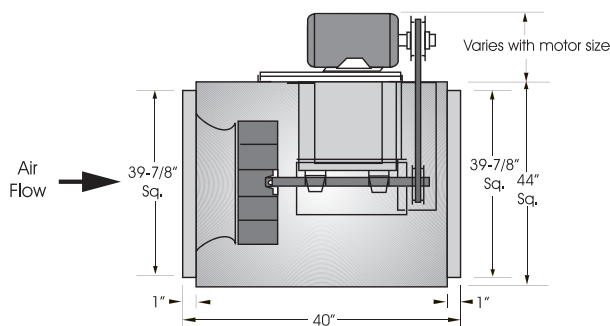


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SQBHP 30



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 1.26/12.0	3906 1.18/10.8	-	-	-	-	-	-	-	-	-	-	DP 79	615	1-1/2	4931
5739 1.42/13.2	4646 1.39/12.0	-	-	-	-	-	-	-	-	-	-		640	1-1/2	5131
6078 1.55/14.2	5117 1.55/13.0	-	-	-	-	-	-	-	-	-	-		660	1-1/2	5292
6565 1.75/15.8	5735 1.78/14.5	4452 1.68/13.3	-	-	-	-	-	-	-	-	-	DP 80	690	2	5532
6880 1.90/16.9	6112 1.94/15.6	5051 1.89/14.4	-	-	-	-	-	-	-	-	-		710	2	5692
7112 2.01/17.7	6382 2.06/16.5	5426 2.04/15.2	-	-	-	-	-	-	-	-	-		725	2	5813
7265 2.09/18.3	6558 2.15/17.0	5657 2.13/15.7	3916 1.87/14.9	-	-	-	-	-	-	-	-	DP 81	735	2	5893
7715 2.34/19.7	7066 2.41/18.7	6286 2.43/17.5	5172 2.33/16.3	-	-	-	-	-	-	-	-		765	3	6133
8011 2.51/21	7393 2.59/19.8	6670 2.62/18.6	5720 2.57/17.4	-	-	-	-	-	-	-	-		785	3	6494
8375 2.73/22	7790 2.83/21	7125 2.88/19.9	6304 2.86/18.8	5034 2.68/17.8	-	-	-	-	-	-	-	DP 82	810	3	6494
8663 2.92/23	8102 3.03/22	7474 3.09/21	6725 3.10/19.9	5696 2.99/18.9	-	-	-	-	-	-	-		830	3	6655
8734 2.97/23	8179 3.08/23	7559 3.14/21	6826 3.15/20	5838 3.06/19.2	-	-	-	-	-	-	-		835	5	6695
9651 3.65/26	9155 3.79/26	8622 3.89/25	8028 3.94/24	7334 3.95/23	6439 3.86/22	4783 3.43/21	-	-	-	-	-	DP 83	900	5	7216
9929 3.88/27	9448 4.02/27	8935 4.13/26	8371 4.20/25	7726 4.22/24	6933 4.17/23	5767 3.94/22	-	-	-	-	-		920	5	7376
10273 4.18/28	9810 4.33/28	9319 4.45/28	8787 4.54/27	8191 4.58/26	7488 4.56/25	4737 4.43/24	-	-	-	-	-		945	5	7577
10684 4.56/30	10240 4.72/30	9773 4.85/29	9272 4.95/29	8722 5.01/27	8095 5.03/26	6268 4.96/25	-	-	-	-	-	DP 84	975	5	7817
10888 4.76/31	10453 4.92/30	9996 5.06/30	9509 5.17/30	8979 5.24/28	8382 5.26/27	6748 5.22/26	4850 4.38/25	-	-	-	-		990	5	7937
11295 5.17/32	10875 5.34/32	10438 5.49/32	9976 5.62/31	9479 5.70/30	8932 5.75/29	7547 5.66/27	6482 5.40/26	-	-	-	-		1020	7 1/2	8178
11631 5.53/34	11224 5.71/33	10802 5.87/33	10358 6.00/33	9885 6.11/32	9370 6.17/31	8795 6.19/30	8123 6.15/29	7270 5.99/28	5883 5.52/28	-	-	DP 85	1045	7 1/2	8378
12233 6.21/36	11846 6.42/36	11447 6.59/36	11032 6.75/36	10594 6.87/35	10127 6.96/34	9618 7.02/33	9049 7.02/32	8386 6.96/31	7552 6.79/30	6248 6.31/30	-		1090	7 1/2	8739
12499 6.54/38	12121 6.75/37	11731 6.93/37	11327 7.09/37	10903 7.22/37	10452 7.33/36	9966 7.39/35	9430 7.42/33	8820 7.39/32	8085 7.27/32	7088 6.97/31	-		1110	7 1/2	8900
12632 6.71/38	12257 6.92/38	11872 7.11/38	11473 7.27/37	11055 7.41/37	10613 7.51/36	10137 7.59/35	9616 7.62/34	9028 7.60/33	8331 7.50/32	7424 7.26/32	5772 6.51/31		1120	7 1/2	8980

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

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

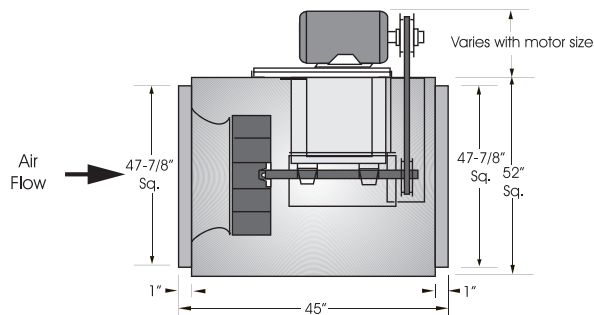


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SQB 36



Outlet Velocity = CFM x 0.06

Tip Speed = RPM x 9.344

Maximum Motor Frame Size = 215T

Maximum RPM = 725

Maximum BHP at a Given RPM = (RPM/375)³

Unit Specifications

Housing Metal Thickness = 16 GA.

Approximate Weight = 600 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed	
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2					
7846 .62/6.5	6921 .65/6.0	5189 .60/5.9	-	-	-	-	-	-	-	-	DP 84	DP 85	325	1	3031
8564 .76/7.5	7767 .81/7.0	6594 .80/6.6	-	-	-	-	-	-	-	-			350	1	3264
9270 .93/8.5	8565 .98/8.0	7632 1.00/7.5	5970 .93/7.5	-	-	-	-	-	-	-			375	1	3497
9970 1.11 9.6	9335 1.18/9.1	8545 1.21/8.6	7421 1.20/8.3	-	-	-	-	-	-	-	DP 86	DP 87	400	1-1/2	3731
10663 1.33/10.8	10083 1.40/10.2	9392 1.44/9.7	8500 1.46/9.2	7081 1.38/9.2	-	-	-	-	-	-			425	1-1/2	3964
11351 1.57/12.1	10817 1.64/11.5	10198 1.70/11.0	9445 1.73/10.4	8428 1.71/10.1	6431 1.50/10.1	-	-	-	-	-			450	2	4197
12035 1.83/13.5	11540 1.91/12.8	10978 1.98/12.2	10318 2.02/11.7	9496 2.03/11.2	8325 1.97/11.2	-	-	-	-	-	DP 88	DP 87	475	2	4430
12717 2.13/14.8	12254 2.21/14.2	11737 2.29/13.7	11147 2.34/13.1	10446 2.37/12.5	9552 2.35/12.2	-	-	-	-	-			500	3	4663
13396 2.45/16.2	12961 2.55/15.6	12482 2.63/15.0	11946 2.69/14.5	11329 2.74/14.0	10587 2.75/13.5	7996 2.48/13.5	-	-	-	-			525	3	4896
14072 2.81/17.7	13662 2.91/17.1	13215 3.00/16.5	12723 3.07/16.0	12168 3.13/15.4	11526 3.16/15.0	9697 3.06/14.7	-	-	-	-	DP 89	DP 87	550	3	5130
14747 3.20/19.2	14358 3.31/18.6	13939 3.40/18.1	13482 3.48/17.5	12977 3.55/17.0	12407 3.59/16.5	10925 3.57/15.8	7295 2.90/15.9	-	-	-			575	5	5363
15420 3.62/21	15051 3.74/20	14655 3.84/19.6	14229 3.93/19.1	13764 4.01/18.6	13248 4.06/18.1	11979 4.09/17.1	9946 3.87/17.2	-	-	-			600	5	5596
16091 4.09/22	15740 4.20/22	15366 4.31/21	14965 4.41/21	14533 4.50/20	14060 4.56/19.7	12940 4.63/18.7	11369 4.54/18.5	-	-	-	DP 89	DP 89	625	5	5829
16762 4.59/24	16426 4.71/23	16070 4.82/23	15693 4.93/22	15288 5.02/22	14851 5.10/21	13841 5.20/20	12528 5.18/19.6	10378 4.83/19.8	-	-			650	7 1/2	6062
17431 5.12/25	17109 5.25/25	16771 5.38/24	16413 5.49/24	16032 5.59/23	15625 5.68/23	14702 5.80/22	13559 5.83/21	11952 5.66/21	-	-			675	7 1/2	6295
18100 5.70/27	17791 5.84/26	17467 5.97/26	17127 6.09/25	16768 6.19/25	16385 6.29/24	15533 6.44/23	14512 6.51/22	13188 6.44/22	11047 5.99/22	-	DP 89	DP 89	700	7 1/2	6529
18767 6.33/28	18471 6.47/28	18161 6.60/27	17836 6.73/27	17495 6.84/26	17134 6.95/26	16341 7.12/25	15414 7.22/24	14271 7.21/23	12685 6.98/23	8266 5.39/23			725	7 1/2	6762

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

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



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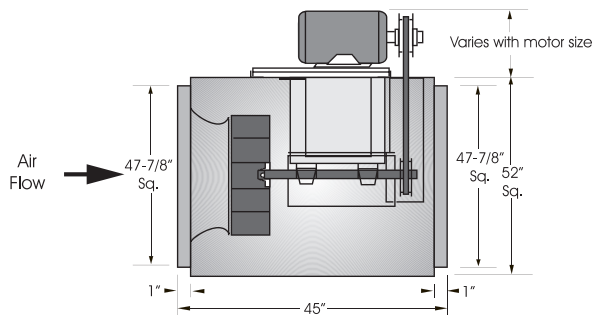




MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN

SQBHP 36



Outlet Velocity = CFM x 0.06

Tip Speed = RPM x 9.344

Maximum Motor Frame Size = 215T

Maximum RPM = 840

Maximum BHP at a Given RPM = (RPM/426)³

Unit Specifications

Housing Metal Thickness = 16 GA.

Approximate Weight = 600 lbs.

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

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

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



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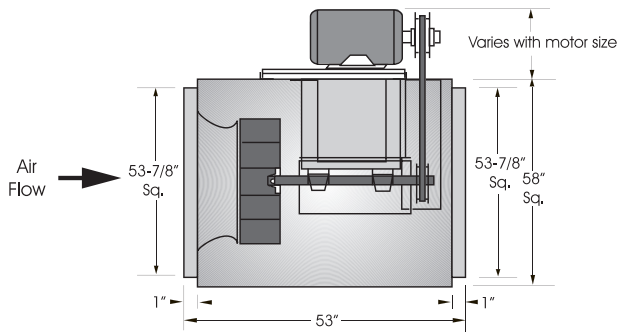


MODEL SQB

BELT DRIVE SQUARE INLINE CENTRIFUGAL DUCT FAN



SQB 42



Outlet Velocity = CFM x 0.04

Tip Speed = RPM x 10.995

Maximum Motor Frame Size = 215T

Maximum RPM = 565

Maximum BHP at a Given RPM = (RPM/289)³

Unit Specifications

Housing Metal Thickness = 16 GA.

Approximate Weight = 725 lbs.

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

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

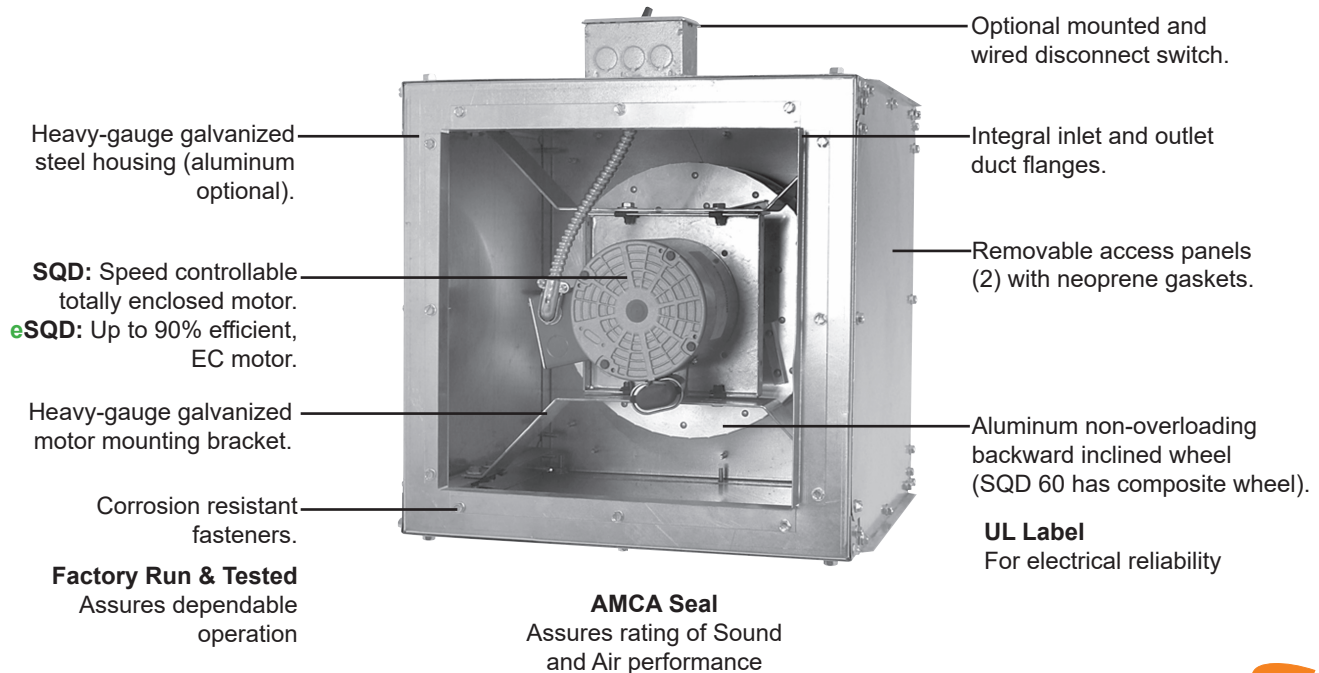
- Exhaust air up to 2,800 CFM in high static pressure applications up to 1" w.g.
- Direct drive units have low sound levels and quiet operation
- Ideal for applications where space is limited
- Non-overloading backward inclined wheel for efficiency at higher static pressures
- AMCA Air and Sound Licensed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

MODEL OVERVIEW

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

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

CONSTRUCTION FEATURES AND OPTIONS



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

Certifications

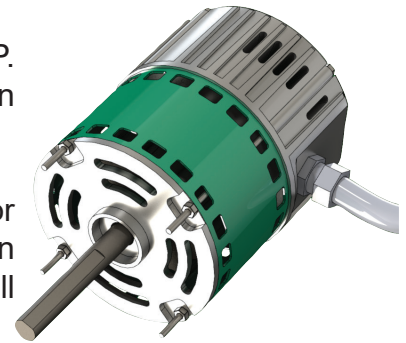
- AMCA - the AMCA Seal on all units assures certified rating of air and sound performance.
- cULus - most models are available as listed by Underwriters Laboratories under Standard 705 when specified.



eMotor - Electronically Commutated Motor

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

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

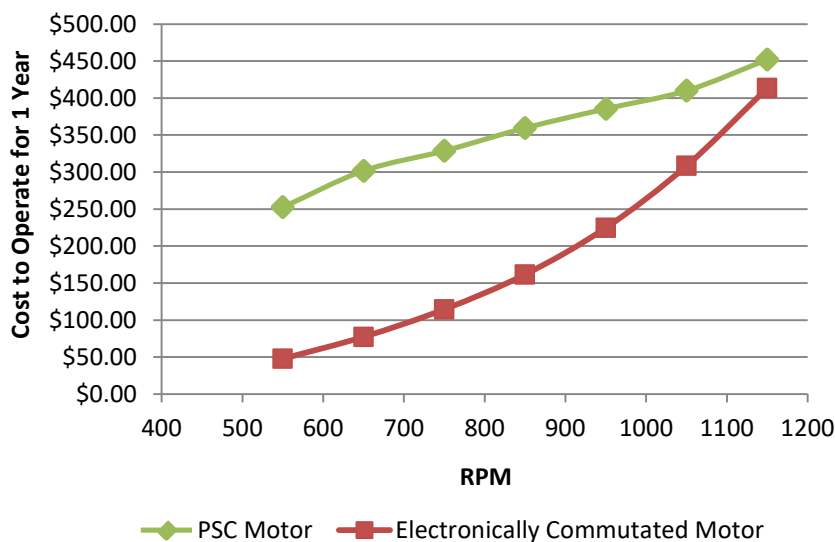


Features and Advantages

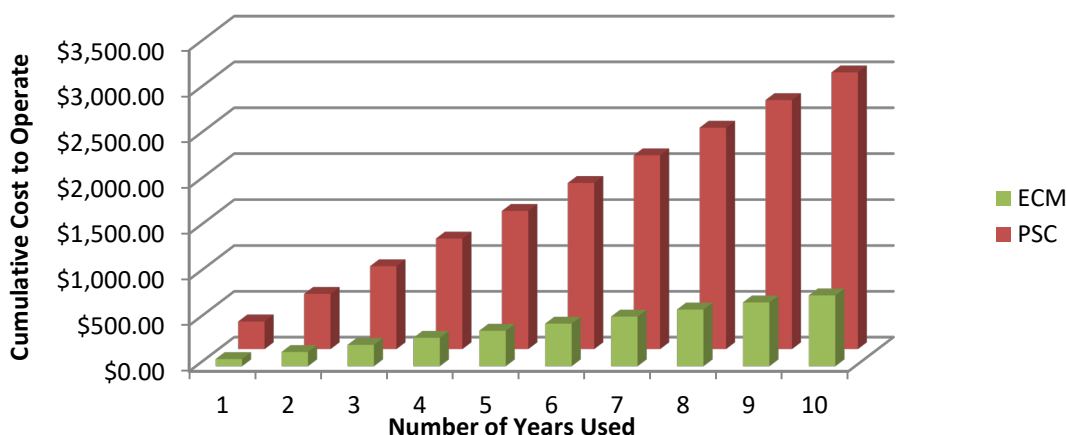
- Motor mounted potentiometer for easy speed adjustment.
- Easy speed control by DC 0-10 V variation.
- Motor has 80% usable turndown vs. 30% on a PSC motor.
- Internal motor circuitry converts 115V single phase AC power to DC voltage for increased efficiencies.
- Motor is 115V and 60 Hz.
- cULus 705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

Energy Savings = \$ Savings

eSQD with 1/2 HP Motor - Continuous Ventilation



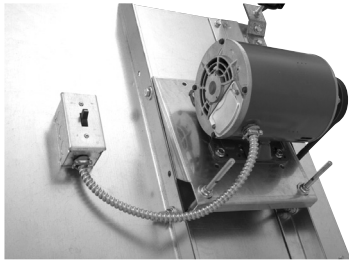
Cost to Operate Motors @ 650 RPM Continuous Ventilation



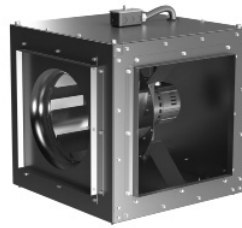


OPTIONS/ACCESSORIES

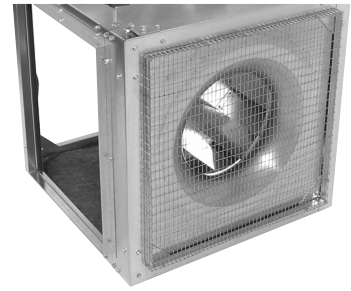
**Mounted and Wired
Disconnect**



Side Discharge



Inlet/Outlet Guard



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



Hanging Spring Isolators



**Hanging Rubber in
Shear Isolators**

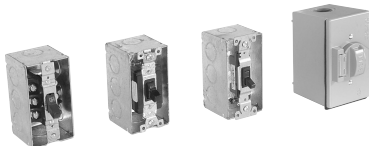
Backdraft Damper



Insulated Housing



Assorted Disconnects



Speed Controls

For SQD models only, not compatible with eSQD



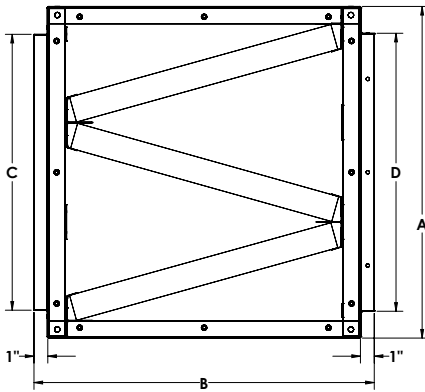


FILTER BOX OPTIONS



Features

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



Dimensions - Filter Box with 1" Aluminum Filters

Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	1" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
06	12	17-3/16	8-7/8	9	16	8	1	11x14x1
07-08	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

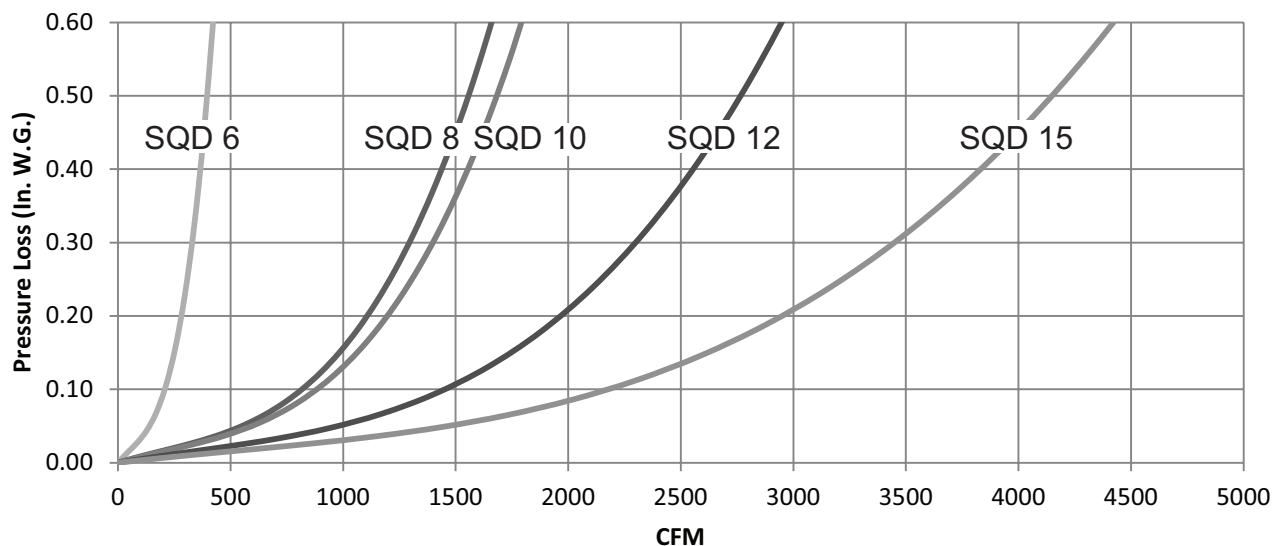
Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	2" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
06	12	17-3/16	8-7/8	9	17	9	1	11x14x2
07-08	15	25	11-7/8	12	29	16	2	15x20x2
10	18	24-1/2	13-7/8	14	37	19	2	16x20x2
12	22	29-1/8	15-7/8	16	52	27	2	20x25x2
15	24	24-5/8	19-7/8	20	51	26	3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



FILTER BOX OPTIONS Cont.

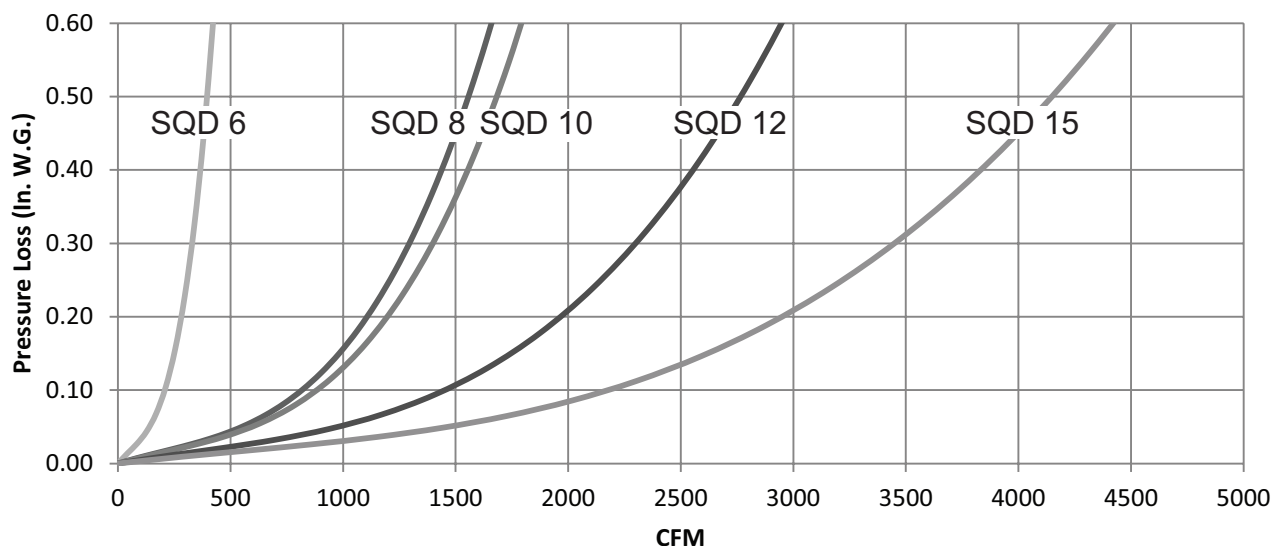
PRESSURE LOSS GUIDE FOR 1" FILTER BOX

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.



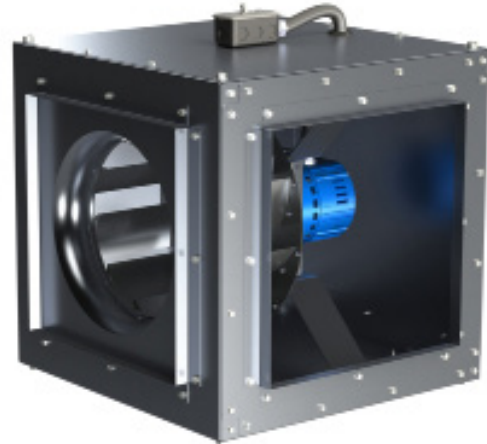
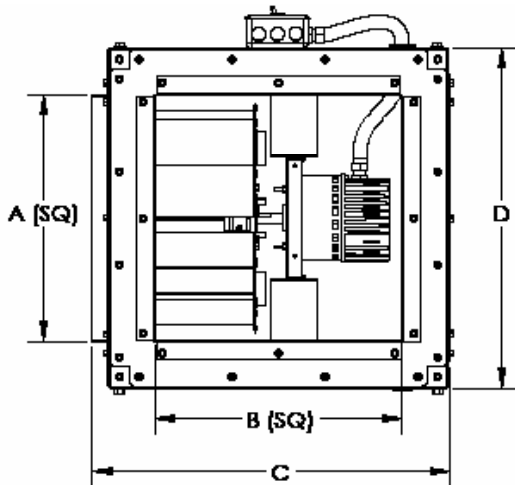
PRESSURE LOSS GUIDE FOR 2" FILTER BOX

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.





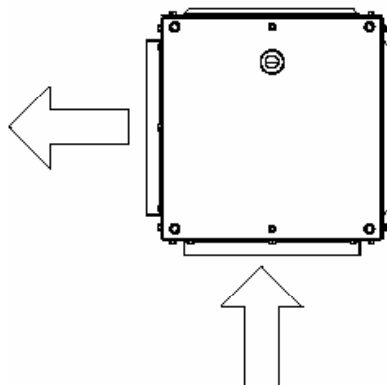
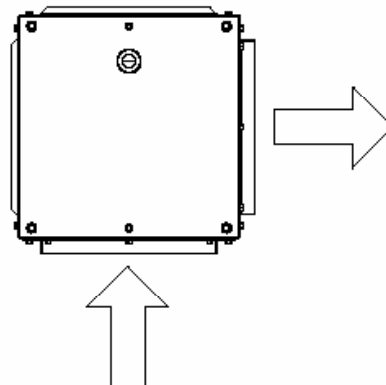
SIDE DISCHARGE OPTION



Side Discharge Dimensions

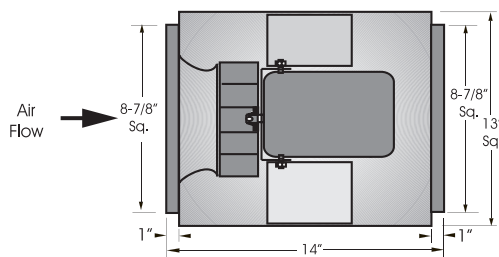
MODEL	A (IN)	B (IN)	C (IN)	D (IN)
SQD 60	8-7/8	8-7/8	13-3/4	13
SQD 610	8-7/8	8-7/8	13-3/4	13
SQD 8125	11-7/8	17-7/8	16-3/4	16
SQD 825	11-7/8	17-7/8	16-3/4	16
SQD 1025	13-7/8	13-7/8	19-3/4	19
SQD 1050	13-7/8	13-7/8	19-3/4	19
SQD 1225	15-7/8	15-7/8	23	23
SQD 1250	15-7/8	15-7/8	23	23
SQD 1550	19-7/8	19-7/8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

Side Discharge Directions

SIDE DISCHARGE LEFT**AIRFLOW****SIDE DISCHARGE RIGHT****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	
100 WATT 2700 RPM .95 Max Amps @ 115/60/1	151	93	-	-	-	-	-	-	950
	1.9	1.0	-	-	-	-	-	-	
	199	162	102	-	-	-	-	-	1250
	3.4	2.5	2.2	-	-	-	-	-	
	238	208	174	116	-	-	-	-	1500
	4.6	3.7	3.5	3.4	-	-	-	-	
	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	
1/10 HP 1550 RPM	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	-	-	
	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	



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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.

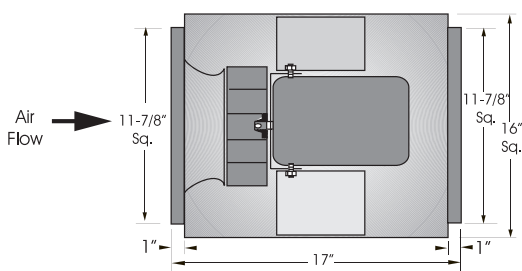
Speed (RPM) shown is nominal. Performance is based on actual speed of test.

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

SQD 8125

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

SQD 825 / eSQD 825

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



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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.

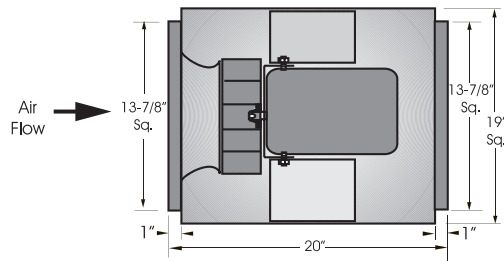
Speed (RPM) shown is nominal. Performance is based on actual speed of test.

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	-	-	
eSQD 1/2 HP 1725 RPM	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.

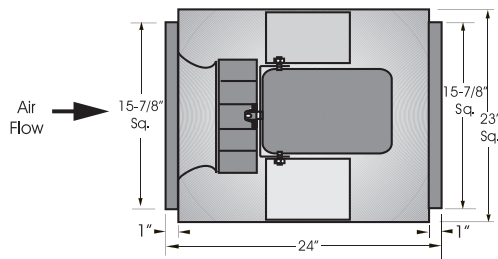
Performance ratings do not include the effects of appurtenances in the airstream.

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.



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.




Unit Specifications

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

SQD 1225

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

SQD 1250 / eSQD 1275

Motor HP	CFM / BHP / Sones @ Static Pressure								RPM
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	
1/2 HP 1625 RPM	867	500	-	-	-	-	-	-	600
	.02/3.0	.03/2.4	-	-	-	-	-	-	800
	1156	882	592	-	-	-	-	-	950
	.06/5.4	.06/4.8	.06/4.4	-	-	-	-	-	1050
	1373	1129	920	654	-	-	-	-	1300
	.10/7.3	.11/6.8	.11/6.4	.10/6.1	-	-	-	-	1500
	1517	1287	1106	890	651	-	-	-	1620*
	.13/8.7	.14/8.2	.15/7.8	.15/7.4	.14/7.2	-	-	-	
	1878	1673	1526	1380	1215	1020	825	-	
	.25/12.7	.26/12.2	.27/11.9	.28/11.5	.28/11.2	.28/10.8	.26/10.5	-	
eSQD 3/4 HP 1725 RPM	2168	1975	1844	1719	1591	1451	1292	950	
	.39/16.4	.40/16.0	.41/15.6	.42/15.2	.43/14.9	.44/14.6	.43/14.3	.40/13.7	
	2344	2159	2033	1918	1802	1680	1548	1237	
	.49/18.4	.50/18.0	.51/17.7	.53/17.3	.54/16.9	.55/16.7	.55/16.4	.54/15.8	

* Base Unit-AMCA seal for sound Rating does not apply to units with speed control installed.

+ RPM range capable with solid state speed control.

Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

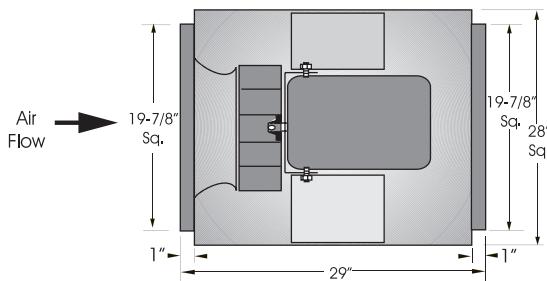
Performance ratings do not include the effects of appurtenances in the airstream.

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



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

* 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 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

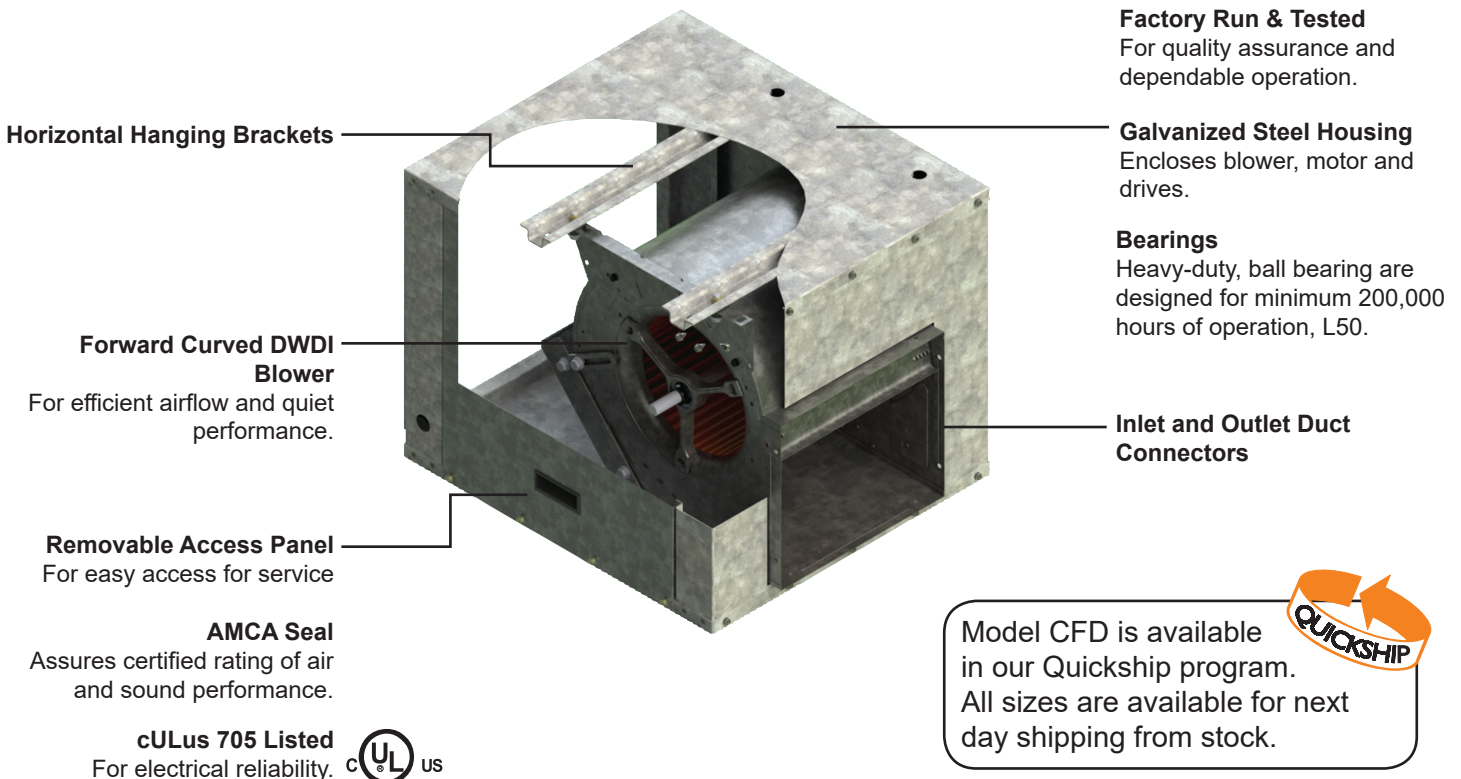
MODEL OVERVIEW

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



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

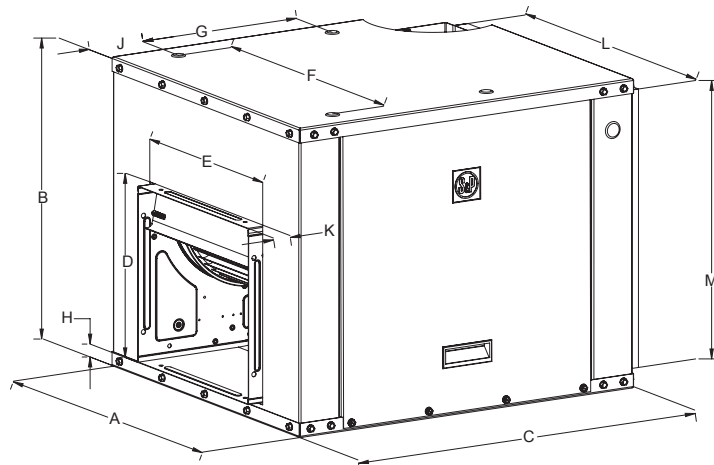
- AMCA Air and Sound Certified
- cULus 705 Listed

Entire Fan Unit

- Factory assembled and tested prior to shipment for quality assurance

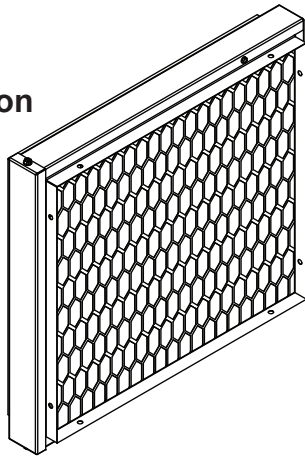
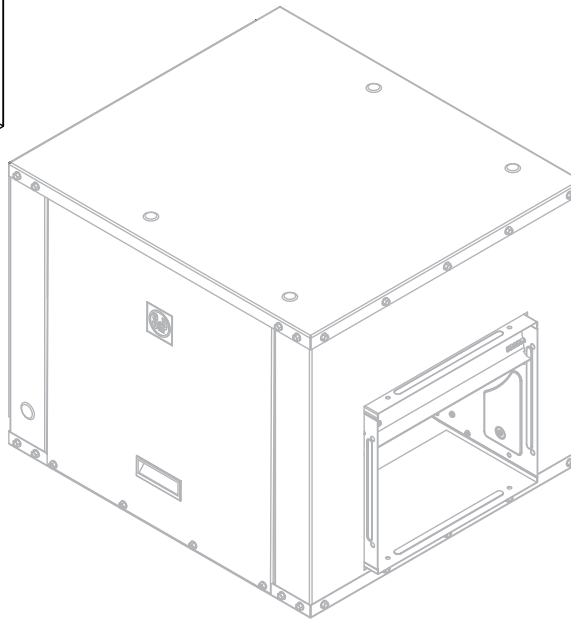
Dimensional Data

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

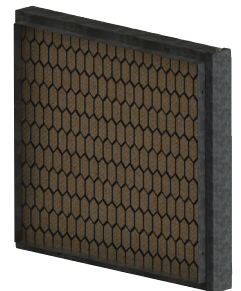
**OPTIONS/ACCESSORIES****Filter Section****Rubber Isolator (Hanging)****Spring Isolator (Hanging)****Rubber Isolator (Floor)****Spring Isolator (Floor)**

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

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



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CFD12

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

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



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CFD15

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

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



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**SOUND DATA****CFD07**

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

CFD09

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



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



CFD10

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

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



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CFD12

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

CFD15

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

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



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MODEL CTB

TUBULAR CENTRIFUGAL INLINE BELT DRIVEN FAN



MODEL FEATURES

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

MODEL OVERVIEW

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

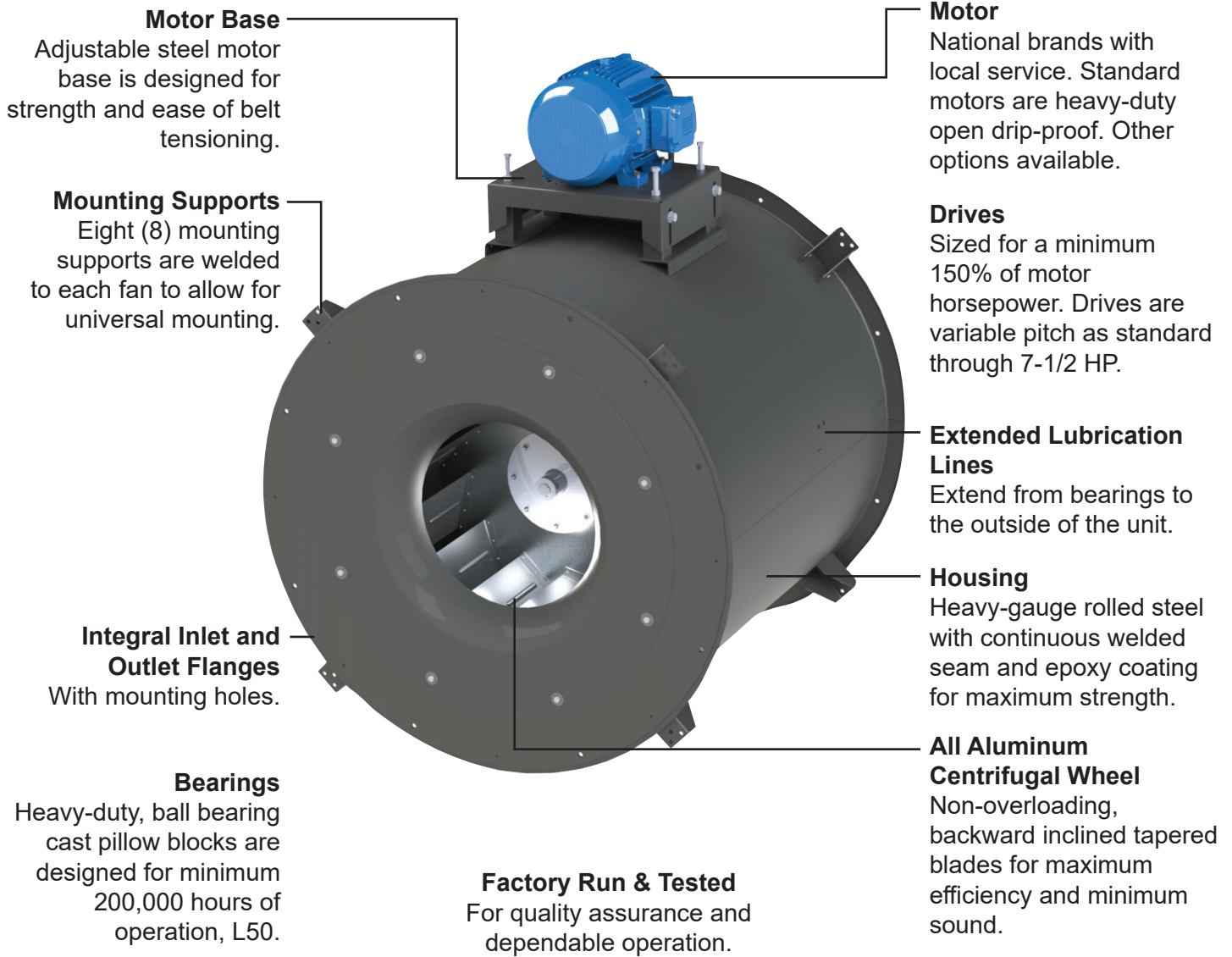
The centrifugal wheel is designed to provide higher efficiencies and lower sound levels than propeller type fans when used in medium pressure ducted systems. Tubular centrifugal fans can be mounted in any position from horizontal to vertical providing for installations in the smallest possible space.

APPLICATION CONSTRUCTION OPTIONS

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

STANDARD CONSTRUCTION FEATURES

Model CTB



AMCA Seal
Assures certified rating of air and sound performance.



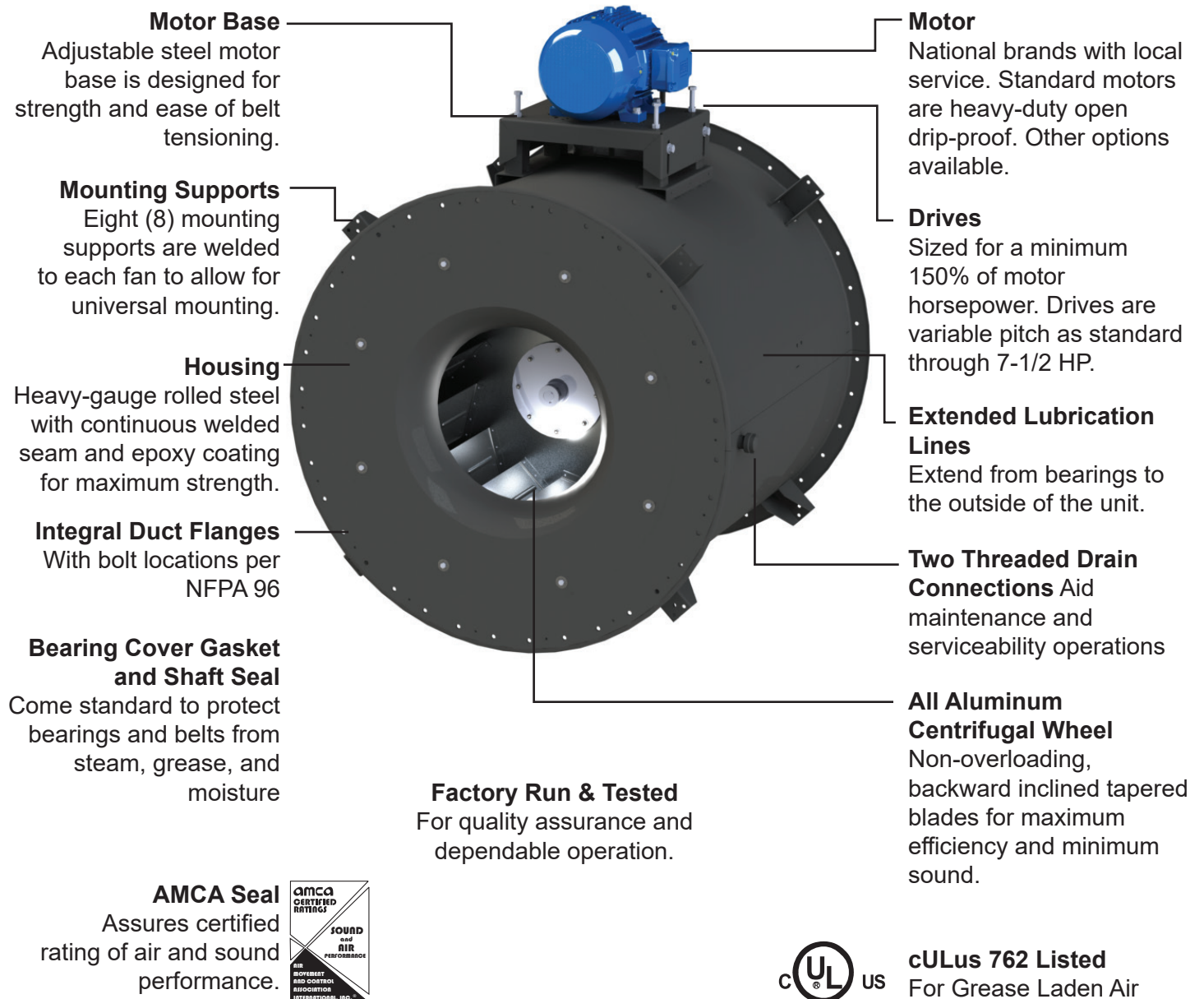
cULus 705 Listed
For electrical reliability.

2 year fan housing warranty, 1 year motor warranty



STANDARD CONSTRUCTION FEATURES

Model CTBRHUL Restaurant Exhaust



2 year fan housing warranty, 1 year motor warranty



CONSTRUCTION/SPECIFICATION CHECKLIST

Fan Housing

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

Centrifugal Wheel

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

Drives

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

Bearings

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

Motors

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

Certifications

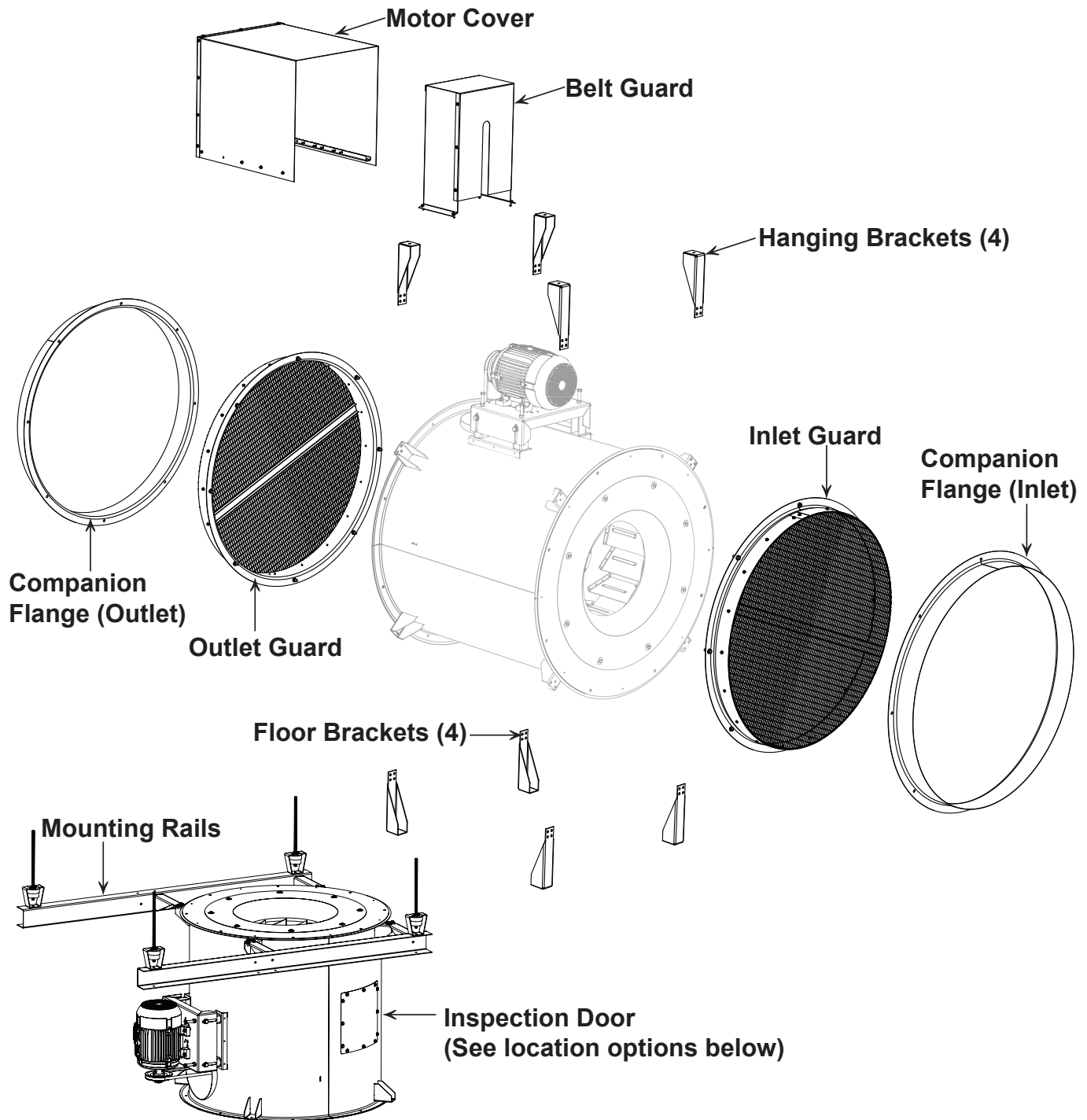
- AMCA Air and Sound Certified
- cULus 705 Listed
- cULus 762 Listed for grease removal

Entire Fan Unit

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



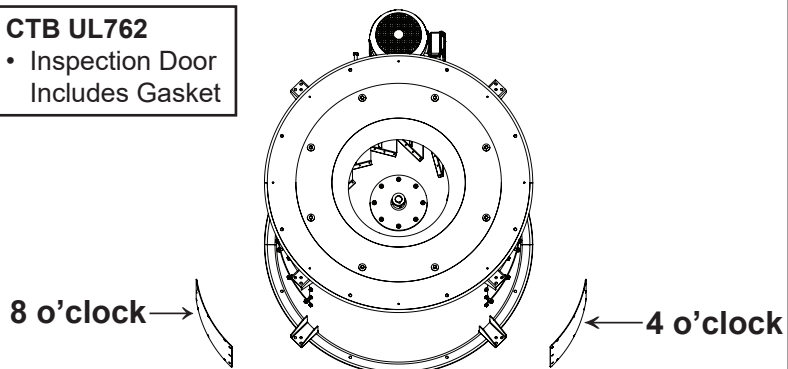
OPTIONS/ACCESSORIES



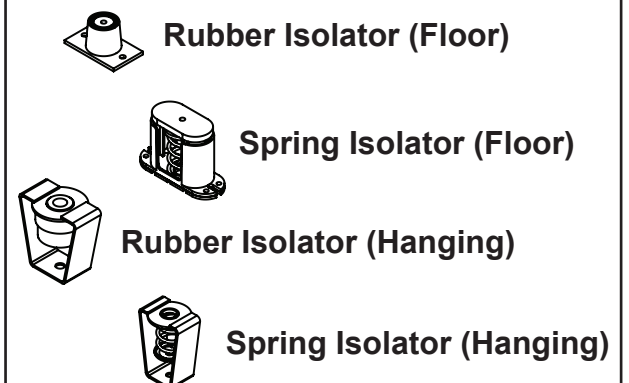
Inspection Door Location Options

CTB UL762

- Inspection Door Includes Gasket



Floor or Hanging Isolator Options





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.

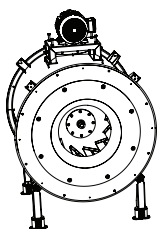
Shaft Seal: Protects bearings and belts when fan is handling dirty or contaminated air.

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).

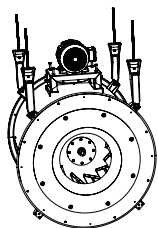
Special Coatings (*Epoxy Coating is Standard*): For protective and decorative purposes. Available coatings include: Synthetic Resin and Heresite (air-dried phenolic). Contact your representative or the factory for more information on available coatings and colors.

MOUNTING CONFIGURATIONS

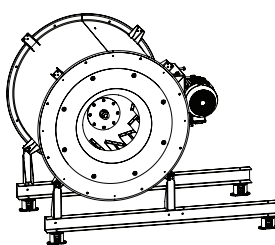
Floor Mount



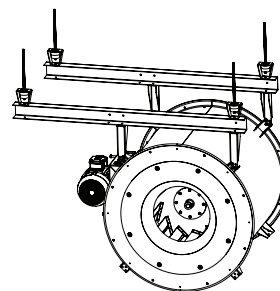
Hanging Mount



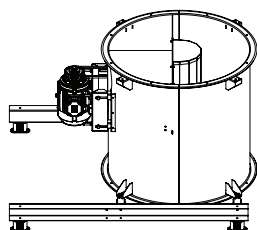
Rail Floor Mount



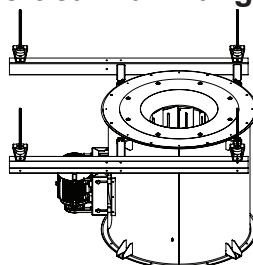
Rail Hanging Mount



Vertical Rail Floor Mount

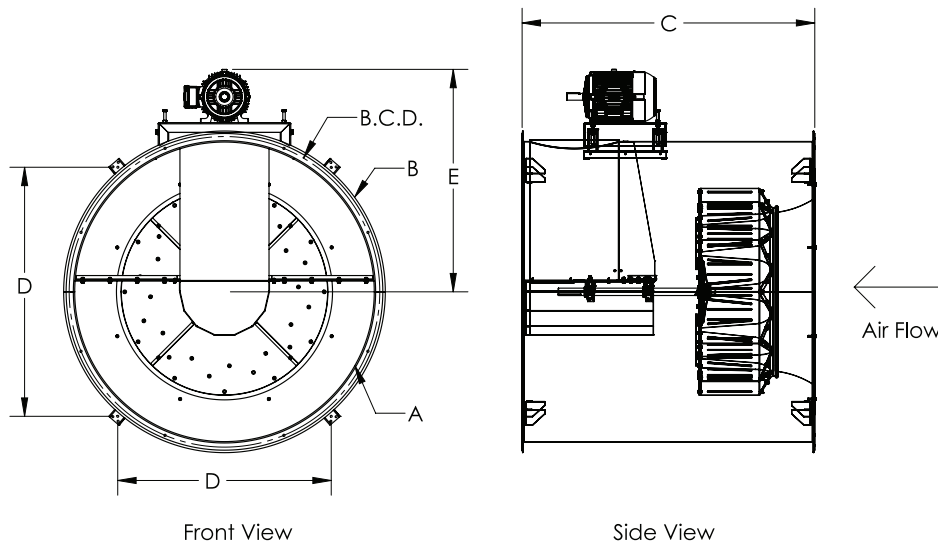


Vertical Rail Hanging Mount





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	
		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	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
		9.2		9.9		12.1		14.7		17.4		20		23		26		28	
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
		10.7		11.4		13.4		15.8		18.4		21		24		26		29	
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
		12.5		13.2		14.9		17.2		19.6		22		25		27		29	
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
		14.3		15.1		16.7		18.7		21		23		26		28		30	
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
		16.2		16.9		18.6		20		23		25		27		29		31	
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



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.

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UL STANDARD 705 for Electrical
UL STANDARD 762 for
Grease Removal





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