

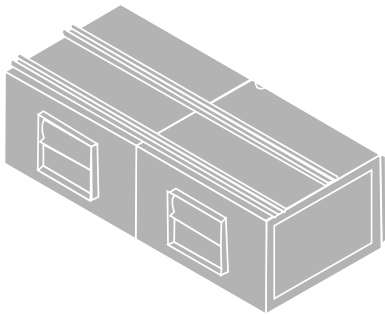
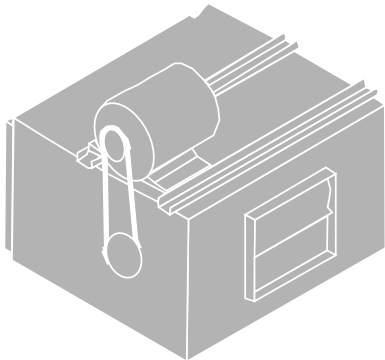
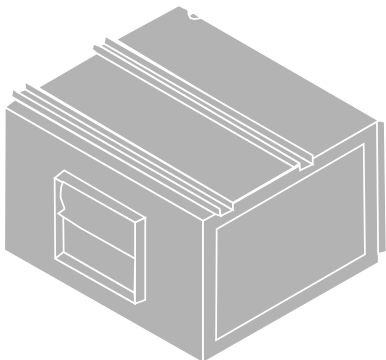
DB



COOK

DB

Duct Blowers/Cabinet Fans



	Page
Introduction	2
Construction Features	3
Specification and Dimension Data	
DB	4
TDB	5
DBX	6
SDB	7
Accessories	8-9
Performance Data	
8-18 DB / DBX	10-13
100-245 SDB	14-19
8-18 TDB	20-23
Sound Data	
8-18 DB / DBX	24-25
100-245 SDB	26-27
Other Available Products	28

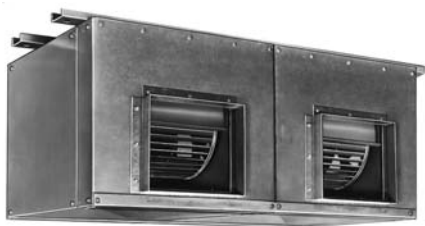
Introduction

Loren Cook Company's DB product line provides maximum performance and durability in a belt drive duct fan. The product line consists of the DB, TDB, DBX and SDB. These four products provide AMCA certified performance in a wide variety of applications. Key features of each product are summarized below.



DB

- DB utilizes a single DWDI forward curved blower assembly with the motor located in the air stream.
- DB is licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance.
- DB capacity ranges from 400 CFM up to 9900 CFM, with static pressures from 0 to 2 inches w.g.



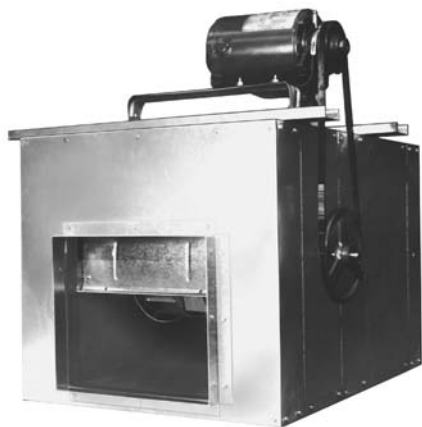
TDB

- TDB utilizes two DWDI forward curved blower assemblies with a common shaft and a single motor located in the air stream.
- TDB capacity ranges from 800 CFM up to 15,500 CFM, with static pressures from 0 to 2 inches w.g.



DBX

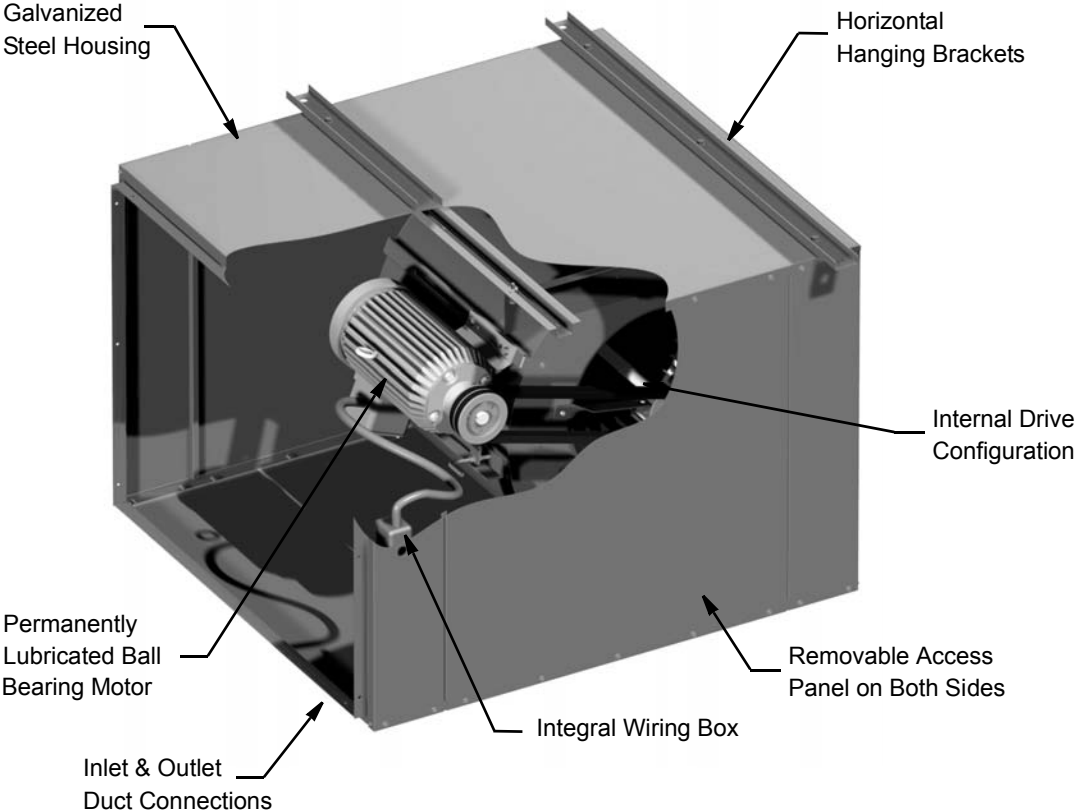
- DBX utilizes a single DWDI forward curved blower assembly with the motor located out of the air stream.
- DBX is licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance.
- DBX capacity ranges from 400 CFM up to 9,900 CFM, with static pressures from 0 to 2 inches w.g.



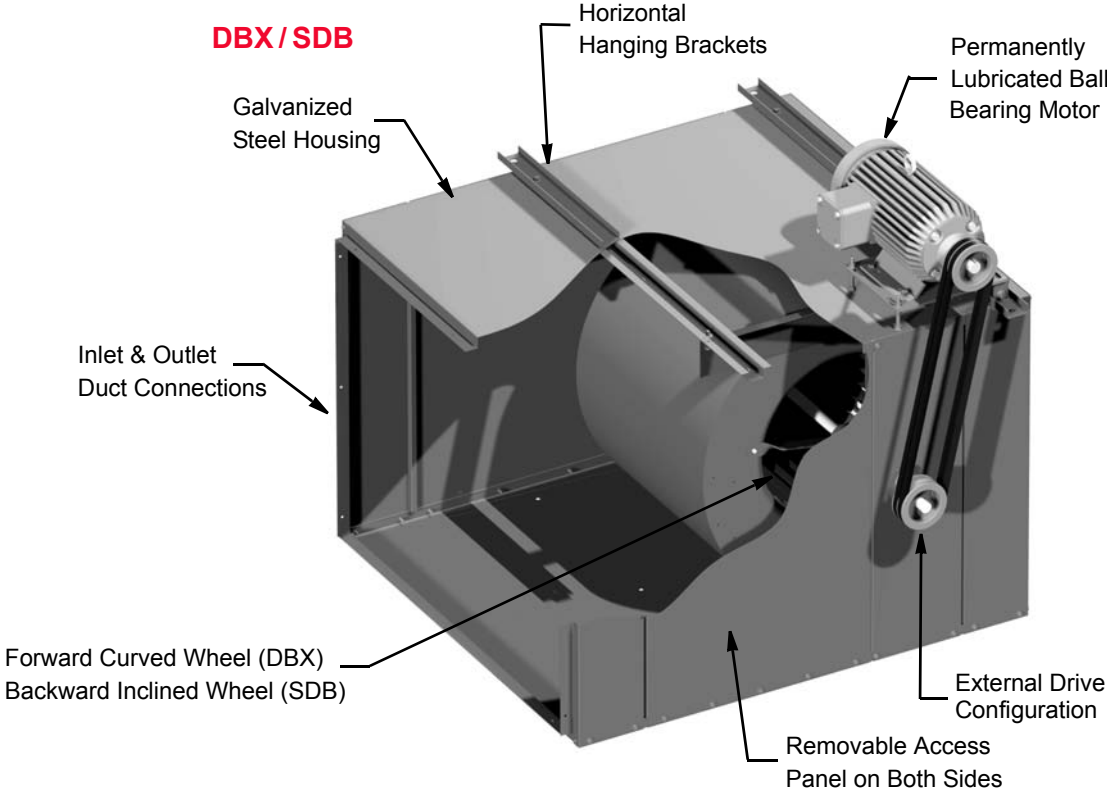
SDB

- SDB utilizes a single DWDI backward inclined blower assembly with the motor located out of the air stream.
- SDB is licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance.
- SDB capacity ranges from 600 CFM up to 15,200 CFM, with static pressures from 0 to 3 inches w.g.

DB



DBX/SDB



Forward Curved Wheel Duct Blower



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



Type DB is furnished standard with UL 705 and cUL705 listing (Power Ventilator/ZACT) when furnished with a TE motor.

Description - Fan shall be duct mounted, belt driven centrifugal cabinet fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with two access doors and integral duct collars. Internal blower and motor assembly shall be mounted on rubber vibration isolators. Hanging brackets shall be provided for horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

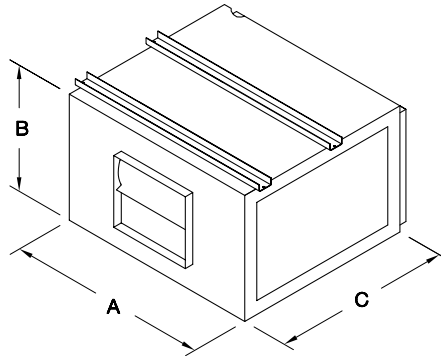
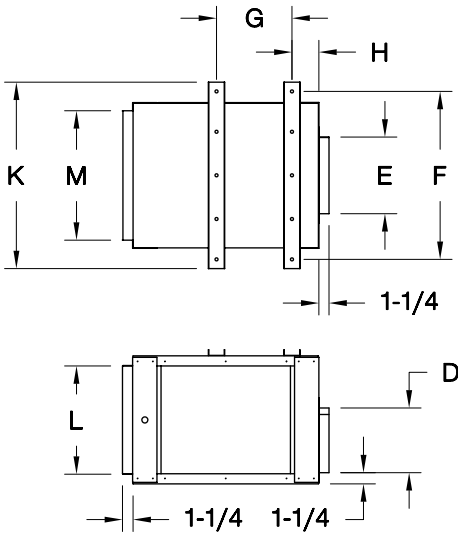
Wheel - Wheel shall be DWDI centrifugal forward curved type, constructed of painted steel. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty TEFC type with permanently lubricated sealed ball bearings and furnished at the specified voltage and phase.

Bearings - Bearings shall be permanently lubricated, sealed ball type selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

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

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



DB Dimension Data

Size	A	B	C	D O.D.	E O.D.	F	G	H	K	L O.D.	M O.D.	Ship. Wt.
DB-8	18-1/8	15-7/16	23	7-7/8	9-1/4	21	9-5/8	2-5/16	23	13-7/16	16-1/8	53
DB-9	21-1/8	18-1/8	25-3/4	10-5/16	11-7/8	24	11-3/4	2-11/16	26	16-1/8	19-1/8	70
DB-10	22-3/8	20-1/8	28-1/4	11-3/8	13-1/8	26	13-3/8	2-11/16	28	18-1/8	20-3/8	80
DB-13	27-1/8	23-3/16	31-1/4	13-7/16	15-5/8	30	16-1/8	2-11/16	32	21-3/16	25-1/8	108
DB-15	32-1/2	26-15/16	36-1/4	15-7/8	18-5/8	36	19-1/2	2-11/16	38	24-15/16	30-1/2	205
DB-18	41	31-7/8	44-3/4	18-7/8	21-7/8	44	24	2-7/8	46	29-7/8	39	400

All dimensions in inches. Weights in pounds.

Description - Fan shall be duct mounted, belt driven, dual fan, single motor centrifugal cabinet fan.

Certifications - Fan shall be manufactured at a n ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and U L listed for Canada (cUL 705).

Construction - The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with two access doors and integral duct collars. Internal blower and motor assembly shall be mounted on rubber vibration isolators. Hanging brackets shall be provided for horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheels shall be DWID centrifugal forward curved type, constructed of plated steel. Wheels shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

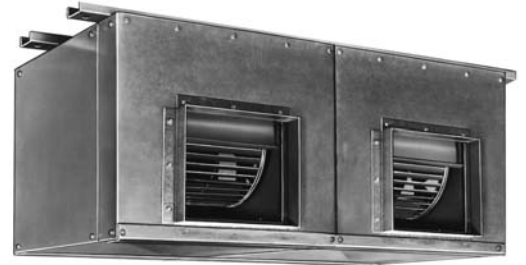
Motor - Motor shall be heavy duty TEFC type with permanently lubricated sealed ball bearings and furnished at the specified voltage and phase.

Bearings - Bearings shall be permanently lubricated, sealed ball type selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

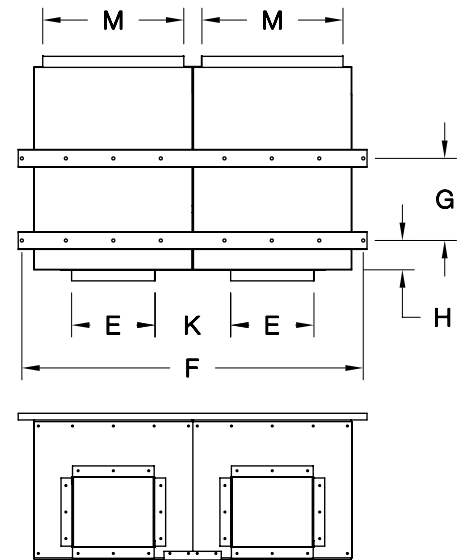
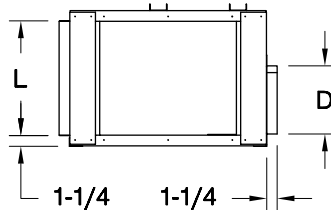
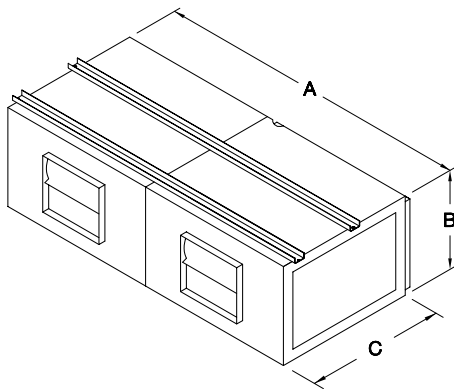
Belts and Drives - Belts shall be oil and heat resistant, nonstatic type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150% of the installed motor horsepower. The variable pitch motor drive shall be factory set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

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

Forward Curved Wheel Twin Duct Blower



Type TDB is furnished standard with UL 705 and cUL705 listing (Power Ventilator/ZACT) when furnished with a TE motor.

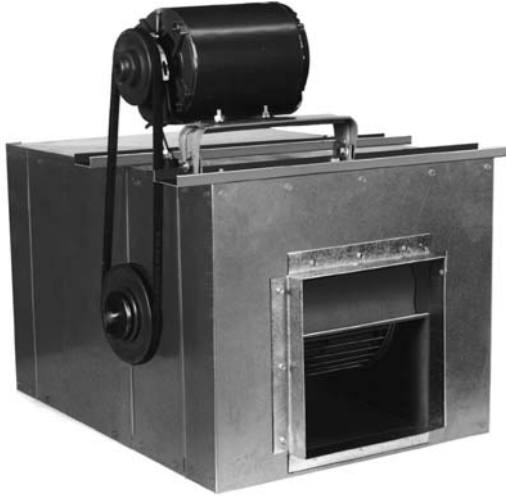


TDB Dimension Data

Size	A	B	C	D O.D.	E O.D.	F	G	H	K	L O.D.	M O.D.	Max. H.P.	Ship. Weight
TDB-8	36-5/8	15-7/16	23	7-7/8	9-1/4	38	9-5/8	3-5/16	9-1/4	13-7/16	16-1/8	1	135
TDB-9	42-5/8	18-1/8	25-3/4	10-5/16	11-7/8	44	11-3/4	3-11/16	9-5/8	16-1/8	19-1/8	2	175
TDB-10	45-1/8	20-1/8	28-1/4	11-3/8	13-1/8	46-1/2	13-3/8	3-11/16	9-5/8	18-1/8	20-3/8	2	225
TDB-13	54-5/8	23-3/16	31-1/4	13-7/16	15-5/8	56	16-1/8	3-11/16	11-7/8	21-3/16	25-1/8	3	350
TDB-15	65-3/8	26-15/16	36-1/4	15-7/8	18-5/8	66-3/4	19-1/2	3-11/16	14-1/4	24-15/16	30-1/2	5	425
TDB-18	82-3/8	31-7/8	44-3/4	18-7/8	21-7/8	83-3/4	24	3-7/8	19-1/2	29-7/8	39	7-1/2	750

All dimensions in inches. Weights in pounds.

Forward Curved Wheel External Belt Drive Duct Blower



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



Type DBX is furnished standard with UL 705 and cUL705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Description - Fan shall be duct mounted, belt driven centrifugal cabinet fan with external motor mount.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with two access doors and integral duct collars. Internal blower assembly shall be mounted on rubber vibration isolators. Motor shall be out of the airstream. Hanging brackets shall be provided for horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

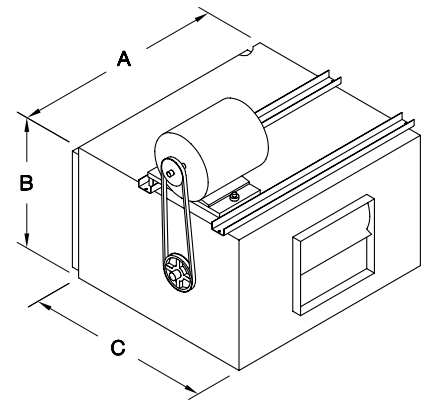
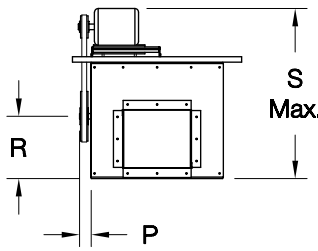
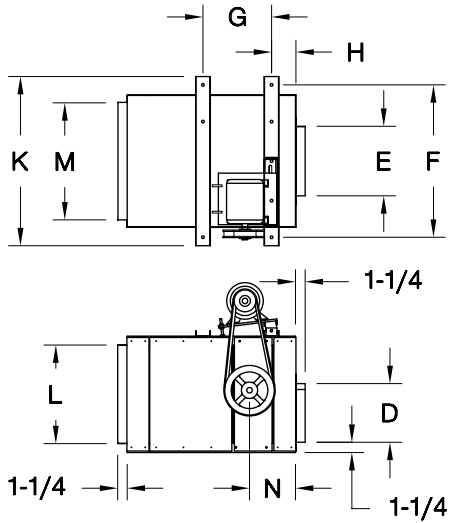
Wheel - Wheel shall be DWDI centrifugal forward curved type, constructed of plated steel. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage and phase.

Bearings - Bearings shall be permanently lubricated, sealed ball type selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

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

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



DBX Dimension Data

Size	A	B	C	D O.D.	E O.D.	F	G	H	K	L O.D.	M O.D.	N	P	R	S	Ship. Weight
DBX-8	18-1/8	15-7/16	23	7-7/8	9-1/4	21	9-5/8	2-5/16	23	13-7/16	16-1/8	6-3/8	2-3/8	8-1/4	24-9/16	53
DBX-9	21-1/8	18-1/8	25-3/4	10-5/16	11-7/8	24	11-3/4	2-11/16	26	16-1/8	19-1/8	7-3/16	2-3/8	9-7/8	27-1/4	70
DBX-10	22-3/8	20-1/8	28-1/4	11-3/8	13-1/8	26	13-3/8	2-11/16	28	18-1/8	20-3/8	7-15/16	4	10-7/8	30-1/16	80
DBX-13	27-1/8	23-3/16	31-1/4	13-7/16	15-5/8	30	16-1/8	2-11/16	32	21-3/16	25-1/8	9-1/8	4	12-23/32	35-9/16	108
DBX-15	32-1/2	26-15/16	36-1/4	15-7/8	18-5/8	36	19-1/2	2-11/16	38	24-15/16	30-1/2	10-1/2	4	14-27/32	39-5/16	205
DBX-18	41	31-7/8	44-3/4	18-7/8	21-7/8	44	24	2-7/8	46	29-7/8	39	12-3/8	4	17-9/16	44-1/4	400

All dimensions in inches.

Description - Fan shall be duct mounted, belt driven centrifugal cabinet fan with external motor mount.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with two access doors and integral duct collars. Internal blower assembly shall be mounted on rubber vibration isolators. Motor shall be out of the airstream. Hanging brackets shall be provided for horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheel shall be DW DI centrifugal backward inclined, constructed of 100% aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

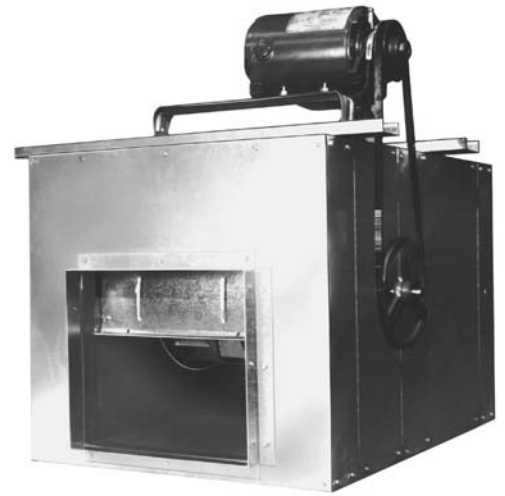
Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage and phase.

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

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

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

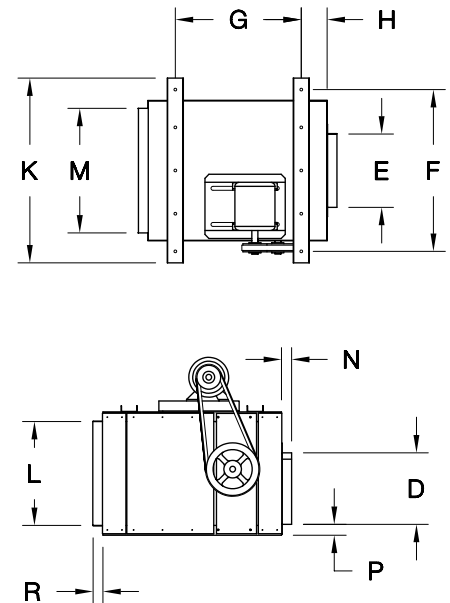
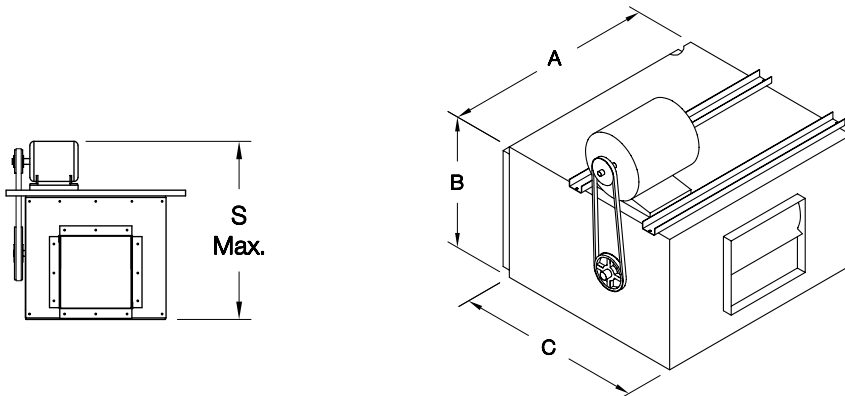
Backward Inclined Wheel Single Duct Blower



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



Type SDB is furnished standard with UL 705 and cUL705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



SDB Dimension Data

Size	A	B	C	D O.D.	E O.D.	F	G	H	K	L O.D.	M O.D.	N	P	R	S	T	U	V	Max. HP	Ship Wt.
100	22-3/8	20-1/8	28-1/4	11-3/8	13-1/8	26	13-3/8	2-11/16	28	18-1/8	20-3/8	7-15/16	4	10-7/8	30-1/16	1-1/4	1-1/4	1-1/4	1	80
120	22-3/8	20-1/8	28-1/4	11-3/8	13-1/8	26	13-3/8	2-11/16	28	18-1/8	20-3/8	7-15/16	4	10-7/8	32-1/2	1-1/4	1-1/4	1-1/4	1-1/2	80
135	27-1/8	23-3/16	31-1/4	13-7/16	15-5/8	30	16-1/8	2-11/16	32	21-3/16	25-1/8	9-1/8	4	12-23/32	35-9/16	1-1/4	1-1/4	1-1/4	2	108
150	32-1/2	26-15/16	36-1/4	15-7/8	18-5/8	36	19-1/2	2-11/16	38	24-15/16	30-1/2	10-1/2	4	14-27/32	39-5/16	1-1/4	1-1/4	1-1/4	3	205
180	41	31-7/8	44-3/4	18-7/8	21-7/8	44	24	2-7/8	46	29-7/8	39	12-3/8	4	17-9/16	44-1/4	1-1/4	1-1/4	1-1/4	5	400
210	49	40-1/4	44-1/2	24-3/4	24-3/4	50	29-3/8	2-5/8	52	36-1/4	45	13	5-1/4	22-5/8	52-1/4	1-3/8	2-1/8	1-1/2	5	600
245	53	43-3/4	51-1/16	27-1/4	27-1/4	54	29-1/8	2-5/8	56	39-3/4	49	14-15/16	5-3/4	24-11/16	57-3/8	1-3/8	2-1/8	1-1/2	7-1/2	800

All dimensions in inches. Weights in pounds.

Accessories

Disconnect Switches

NEMA 1 (Lockable) - In door, general purpose with lockable switch.

NEMA 1 - Indoor, general purpose.

NEMA 3R - Exterior mount, weather resistant.

NEMA 4 - Water tight, dust tight.

NEMA 1 (Heavy Duty) - Indoor heavy duty.



NEMA 1 (Lockable)



NEMA 1



NEMA 3R

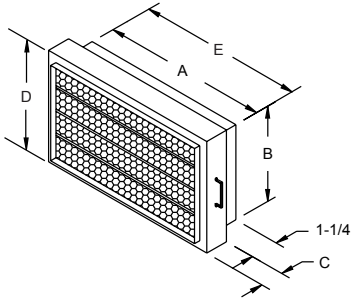


NEMA 4



NEMA 1 (Heavy Duty)

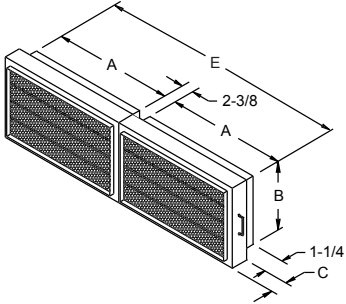
DB, DBX, SDB Filter



Filter Unit	A	B	C	D	E	Filter Area Sq. In.	Filter Drawer Weight
F-8	15-7/8	13-3/16	6	15-7/16	18-1/8	532	15
F-9	18-7/8	15-7/8	6	18-1/8	21-1/8	664	17
F-10	20-1/8	17-7/8	6	20-1/8	22-3/8	726	18
F-13	24-7/8	20-15/16	9	23-3/16	27-1/8	1337	35
F-15	30-1/4	24-11/16	11	26-15/16	32-1/2	1999	47
F-18	38-3/4	29-5/8	12	31-7/8	41	3056	61

All dimensions in inches. Weights in pounds. The filter comes complete with a ductwork housing and a removable filter drawer with handle.

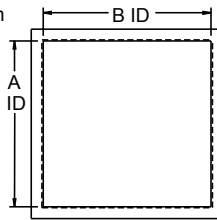
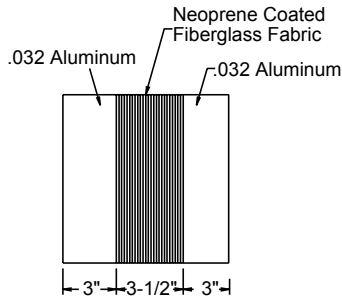
TDB Filter



Filter Unit	A	B	C	D	E	Filter Size Sq. In.	Filter Weight
F-9	18-7/8	15-7/8	6	18-1/8	42-5/8	1328	34
F-10	20-1/8	17-7/8	6	20-1/8	45-1/8	1452	36
F-13	24-7/8	20-15/16	9	23-3/16	54-5/8	2674	70
F-15	30-1/4	24-11/16	11	26-15/16	65-3/8	3998	94
F-18	38-3/4	29-5/8	12	31-7/8	82-3/8	6112	122

All dimensions in inches. Weights in pounds.

Flexible Duct Connector

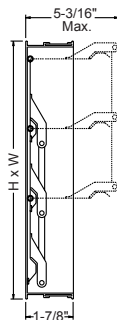


Size	INLET		OUTLET	
	Dim A	Dim B	Dim A	Dim B
8	13-5/8	16-5/16	8-1/16	9-7/16
9	16-5/16	19-5/16	10-1/2	12-1/16
10	18-5/16	20-9/16	11-9/16	13-5/16
13	21-3/8	25-5/16	13-5/8	15-13/16
15	25-1/8	30-11/16	16-1/16	18-3/16
18	30-1/16	39-3/16	19-1/16	22-1/16

All dimensions in inches.

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

Automatic Backdraft Damper

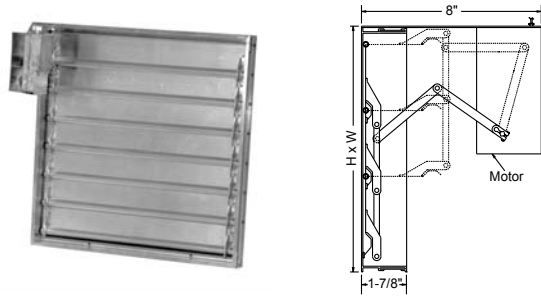


Automatic Backdraft Dampers feature an extruded aluminum frame, aluminum blades and aluminum hinge pins with brass bushings. These dampers are shipped loose for field installation.

Size	H x W
8	7-7/8 x 9-1/4
9	10-5/16 x 11-7/8
10	11-3/8 x 13-1/8
13	13-7/16 x 15-5/8
15	15-7/8 x 18-5/8
18	18-7/8 x 21-7/8

All dimensions in inches.

Motorized Backdraft Damper

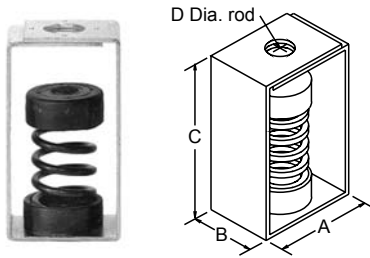


Motorized Backdraft Dampers feature an extruded aluminum frame, aluminum blades and aluminum hinge pins with brass bushings. These dampers are shipped loose for field installation.

Size	H x W
8	7-7/8 x 9-1/4
9	10-5/16 x 11-7/8
10	11-3/8 x 13-1/8
13	13-7/16 x 15-5/8
15	15-7/8 x 18-5/8
18	18-7/8 x 21-7/8

All dimensions in inches.

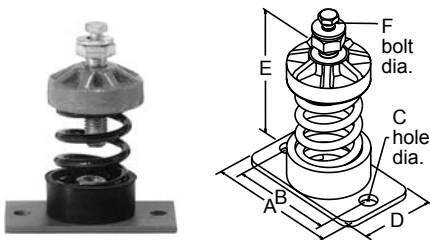
Spring Isolator - Ceiling Mounted



Unit	Rated Load (lbs.)	Spring Rate (lbs./in.)	A	B	C	D	Approx. Ship Wt. Lbs.
SC-35	35	23	3-11/16	2-1/4	5-1/4	1/2	2
SC-70	70	51	3-11/16	2-1/4	5-1/4	1/2	2
SC-125	125	100	3-11/16	2-1/4	5-1/4	1/2	2
SC-245	245	206	3-11/16	2-1/4	5-1/4	1/2	2

All dimensions in inches.

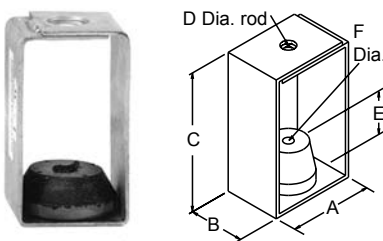
Free Standing Spring Isolator - Floor Mounted



Unit	Rated Load (lbs.)	Spring Rate (lbs./in.)	A	B	C	D	E	F	Approx. Ship Wt. Lbs.
SF-70	70	51	2-5/8	**	11/16	2-5/8	3-1/2	3/8	2
SF-120	120	98	4-1/2	3-1/2	9/16	2-1/2	3-1/2	3/8	2
SF-220	220	196	4-1/2	3-1/2	9/16	2-1/2	3-1/2	3/8	2

All dimensions in inches. Isolators listed are designed to provide a minimum of 50 percent of overload capacity. A single hole is provided at the center of the plate.

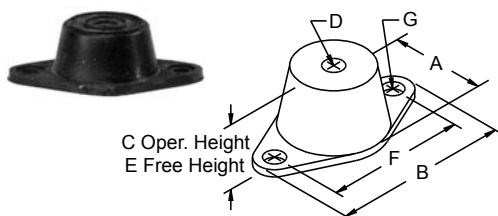
Rubber-in-Shear Isolator - Ceiling Mounted



Unit	Rated Load (lbs.)	A	B	C	D	E	F	Approx. Ship Wt. Lbs.
RC-75	75	2-5/32	1-1/2	2-23/32	11/16	15/32	3/8	1
RC-125	125	2-5/32	1-1/2	2-23/32	11/16	15/32	3/8	1
RC-175	175	3-5/32	2-1/4	5-11/16	3/4	1-31/64	3/4	2
RC-300	300	3-5/32	2-1/4	5-11/16	3/4	1-31/64	3/4	2

All dimensions in inches.

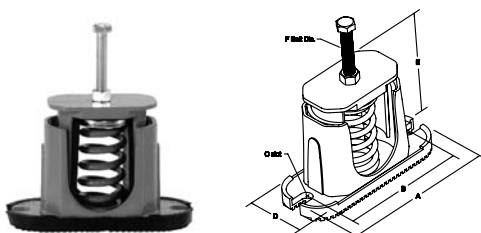
Rubber-in-Shear Isolator - Floor Mounted



Unit	Rated Load (lbs.)	A	B	C	D	E	F	G	Approx. Ship Wt. Lbs.
RF-55	55	1-13/16	3-3/16	1-7/64	5/16 NC	1-1/2	2-3/8	11/32	1
RF-120	120	2-3/8	3-7/8	1-1/4	3/8 NC	1-3/4	3	11/32	1
RF-220	220	2-3/8	3-7/8	1-1/4	3/8 NC	1-3/4	3	11/32	1

All dimensions in inches.

Housed Spring Isolator - Floor Mounted



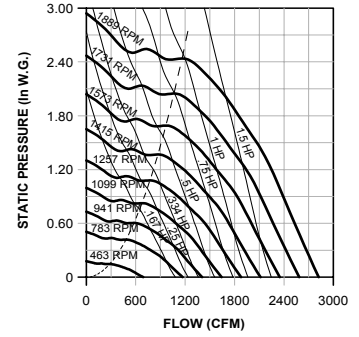
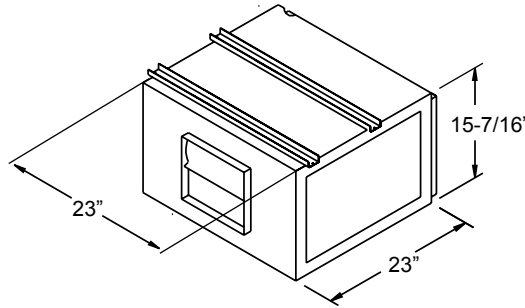
Unit	Rated Load (lbs.)	Spring Rate (lbs./in.)	A	B	C	D	E	F	Approx. Ship Wt. Lbs.
HF-120	120	98	6-1/8	5-5/8	5/16	2-1/8	3-1/2	3/8	2
HF-220	220	196	6-1/8	5-5/8	5/16	2-1/8	3-1/2	3/8	2

All dimensions in inches. Isolators listed are designed to provide a minimum of 50 percent of overload capacity.

8-10 DB/DBX Data

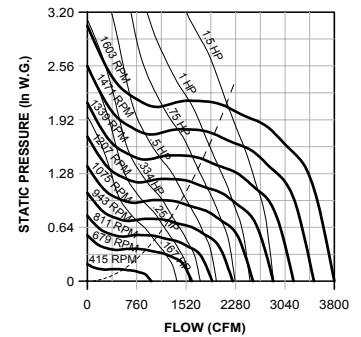
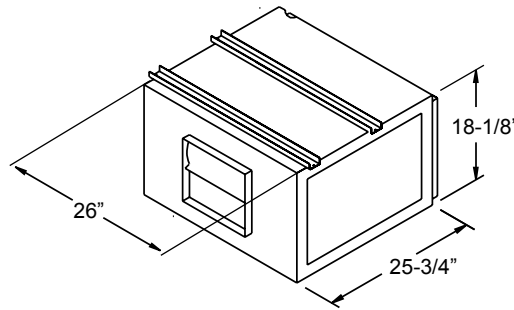
8 DB/DBX

- Wheel Type - Forward Curved
- Maximum BHP - .441 (RPM/1000)³
- Outlet Area - 0.502 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1889
- Outlet Velocity - CFM/0.502 fpm



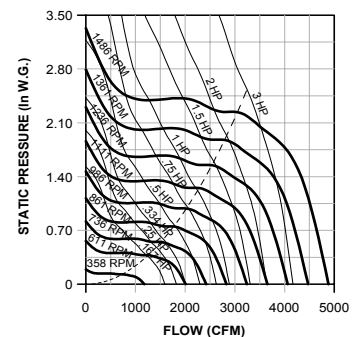
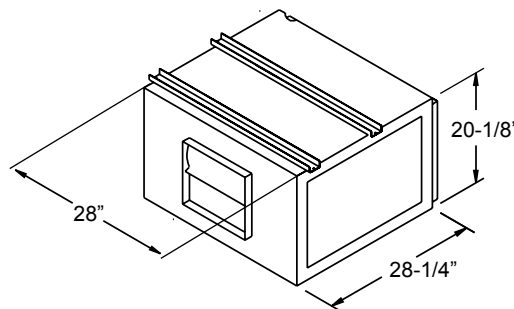
9 DB/DBX

- Wheel Type - Forward Curved
- Maximum BHP - .678 (RPM/1000)³
- Outlet Area - 0.840 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1603
- Outlet Velocity - CFM/0.840 fpm



10 DB/DBX

- Wheel Type - Forward Curved
- Maximum BHP - 1.24 (RPM/1000)³
- Outlet Area - 1.038 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1486
- Outlet Velocity - CFM/1.038 fpm



8 DB / DBX

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
400	796	463	0.02	607	0.03																		
500	996	503	0.03	633	0.05	745	0.07																
600	1195	547	0.05	668	0.07	772	0.09	865	0.11	957	0.13												
700	1394	596	0.07	709	0.09	805	0.11	893	0.13	975	0.16	1053	0.18										
800	1593	651	0.09	751	0.12	844	0.14	926	0.17	1004	0.19	1077	0.22	1214	0.28								
900	1792	709	0.13	797	0.15	886	0.18	964	0.21	1037	0.24	1107	0.27	1237	0.33	1358	0.39						
1000	1992	769	0.17	848	0.20	929	0.23	1007	0.26	1076	0.29	1142	0.32	1266	0.39	1381	0.45	1490	0.52	1601	0.60		
1100	2191	830	0.22	903	0.25	975	0.28	1049	0.31	1118	0.35	1180	0.38	1299	0.45	1410	0.53	1514	0.60	1614	0.67	1713	0.75
1200	2390	891	0.27	961	0.31	1025	0.34	1093	0.38	1160	0.42	1222	0.45	1335	0.53	1442	0.61	1543	0.69	1639	0.77	1730	0.85
1300	2589	952	0.34	1019	0.38	1079	0.42	1140	0.46	1203	0.49	1265	0.53	1375	0.62	1477	0.70	1575	0.79	1668	0.87	1757	0.96
1400	2788	1015	0.42	1079	0.46	1136	0.50	1191	0.54	1249	0.58	1308	0.63	1417	0.71	1516	0.80	1609	0.89	1700	0.99	1786	1.08
1500	2988	1078	0.50	1139	0.55	1194	0.60	1246	0.64	1298	0.68	1352	0.73	1460	0.82	1557	0.92	1647	1.01	1734	1.11	1818	1.21
1600	3187	1140	0.60	1200	0.66	1253	0.71	1302	0.75	1351	0.80	1400	0.85	1503	0.94	1599	1.04	1688	1.14	1771	1.25	1852	1.35
1700	3386	1205	0.72	1261	0.77	1313	0.83	1360	0.88	1406	0.93	1452	0.98	1547	1.08	1642	1.18	1729	1.29	1811	1.40	1889	1.50
1800	3585	1269	0.84	1323	0.90	1372	0.96	1419	1.02	1462	1.07	1506	1.12	1593	1.23	1685	1.34	1772	1.45	1853	1.56		
1900	3784	1332	0.98	1384	1.05	1434	1.11	1478	1.17	1520	1.23	1561	1.28	1644	1.39	1729	1.50	1815	1.62				
2000	3984	1395	1.14	1448	1.21	1494	1.28	1538	1.34	1579	1.40	1618	1.46	1696	1.57								
2100	4183	1461	1.31	1511	1.39	1556	1.46	1598	1.52	1638	1.59	1676	1.65										
2200	4382	1527	1.50	1573	1.58	1618	1.65																

9 DB / DBX

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
700	833	415	0.04																				
825	982	440	0.05	567	0.07																		
950	1130	468	0.07	581	0.09	687	0.12																
1075	1279	505	0.09	602	0.12	702	0.15	790	0.18														
1200	1428	550	0.12	630	0.15	717	0.18	806	0.22	883	0.25												
1325	1577	597	0.16	658	0.19	739	0.22	820	0.26	899	0.29	969	0.34										
1450	1726	647	0.21	692	0.23	767	0.27	837	0.30	913	0.34	985	0.39										
1575	1875	696	0.27	733	0.28	795	0.32	863	0.36	929	0.40	999	0.44	1124	0.54								
1700	2023	747	0.33	779	0.35	825	0.38	892	0.42	952	0.47	1014	0.51	1140	0.61	1249	0.71						
1825	2172	798	0.41	826	0.43	862	0.45	919	0.49	980	0.54	1035	0.59	1154	0.69	1265	0.80						
1950	2321	848	0.49	874	0.51	905	0.54	949	0.57	1008	0.62	1062	0.67	1169	0.78	1281	0.89	1380	1.01				
2075	2470	900	0.59	924	0.61	951	0.64	986	0.67	1035	0.72	1090	0.77	1189	0.87	1294	0.99	1396	1.12	1486	1.24		
2200	2619	952	0.70	974	0.73	998	0.75	1027	0.78	1067	0.82	1118	0.88	1215	0.99	1309	1.10	1410	1.23	1503	1.36	1586	1.50
2325	2767	1004	0.83	1024	0.85	1046	0.87	1072	0.91	1104	0.94	1146	0.99	1243	1.11	1330	1.23	1423	1.35	1517	1.49	1603	1.64
2450	2916	1056	0.97	1075	0.99	1095	1.01	1118	1.04	1145	1.08	1180	1.12	1271	1.25	1356	1.37	1440	1.49	1531	1.64		
2575	3065	1107	1.12	1126	1.14	1145	1.17	1166	1.20	1189	1.23	1218	1.27	1298	1.39	1384	1.52	1463	1.65				
2700	3214	1158	1.28	1176	1.31	1195	1.34	1214	1.37	1235	1.40	1260	1.44	1327	1.55								
2800	3333	1199	1.43	1217	1.46	1235	1.49	1253	1.52	1273	1.55	1295	1.59										
2900	3452	1241	1.59	1259	1.62	1276	1.65																

10 DB / DBX

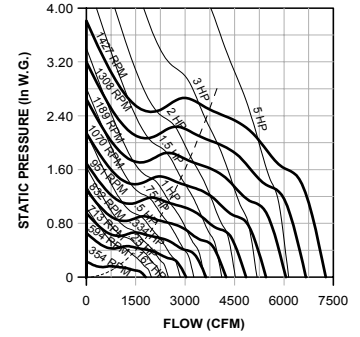
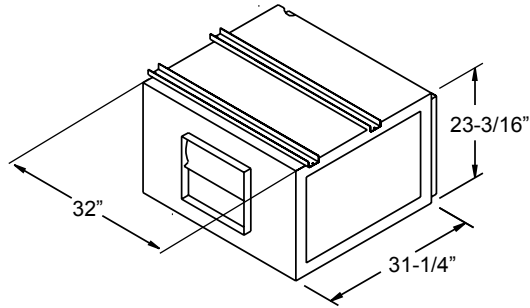
CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
800	771	358	0.04																				
1000	964	384	0.06																				
1200	1157	422	0.09	516	0.12																		
1400	1350	471	0.13	542	0.17	622	0.21																
1600	1542	525	0.19	576	0.22	648	0.26	716	0.31														
1800	1735	581	0.27	621	0.30	676	0.34	743	0.39	802	0.44	862	0.50										
2000	1928	639	0.36	671	0.39	714	0.43	769	0.48	829	0.53	883	0.59										
2200	2121	697	0.47	725	0.50	759	0.54	802	0.59	854	0.65	909	0.71	1006	0.84								
2400	2314	756	0.61	781	0.64	809	0.68	844	0.73	886	0.78	935	0.84	1031	0.98	1118	1.12						
2600	2507	814	0.76	837	0.80	862	0.84	891	0.89	925	0.94	965	1.00	1057	1.14	1142	1.29	1223	1.45				
2800	2700	874	0.95	895	0.99	917	1.03	942	1.08	970	1.13	1003	1.19	1083	1.33	1169	1.48	1244	1.64	1320	1.82		
3000	2892	934	1.16	952	1.20	973	1.24	995	1.29	1019	1.34	1047	1.40	1114	1.54	1194	1.70	1271	1.87	1341	2.04	1412	2.24
3200	3085	994	1.41	1012	1.45	1030	1.49	1050	1.54	1071	1.59	1095	1.65	1151	1.78	1221	1.94	1297	2.12	1367	2.30	1433	2.49
3400	3278	1053	1.68	1070	1.72	1088	1.77	1106	1.82	1125	1.87	1145	1.93	1194	2.06	1254	2.22	1323	2.40	1394	2.58	1459	2.78
3600	3471	1113	1.99	1129	2.03	1145	2.08	1162	2.13	1180	2.19	1199	2.25	1241	2.37	1292	2.53	1352	2.70	1419	2.90	1486	3.10
3800	3664	1172	2.33	1188	2.38	1204	2.43	1220	2.49	1236	2.54	1253	2.60	1291	2.73	1335	2.88	1387	3.05	1447	3.25		
4000	3857	1232	2.71	1248	2.76	1263	2.82	1278	2.88	1292	2.93	1308	2.99	1342	3.12	1382	3.27						
4050	3905	1247	2.81	1263	2.87	1278	2.93	1292	2.98	1306	3.03	1322	3.09	1356	3.23								
4100	3953	1262	2.91	1278	2.97	1292	3.03	1306	3.08	1320	3.14	1336	3.20										
4150	4001	1277	3.02	1293	3.08	1307	3.14	1321	3.19	1335	3.25												

Performance shown is for Installation Type B: free inlet, ducted outlet. Performance ratings do not include the appurtenances in the airstream. Power rating (BHP) does not include drive losses. Shaded area's available for DBX units only.

13-18 DB/DBX Data

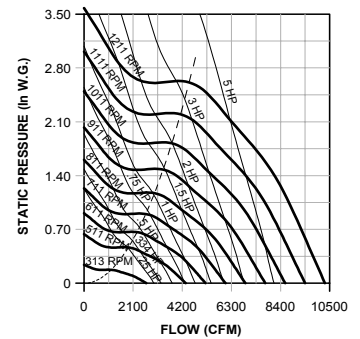
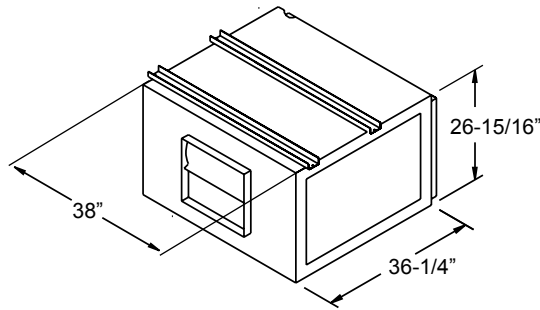
13 DB/DBX

- Wheel Type - Forward Curved
- Maximum BHP - 2.88 (RPM/1000)³
- Outlet Area - 1.440 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1427
- Outlet Velocity - CFM/1.440 fpm



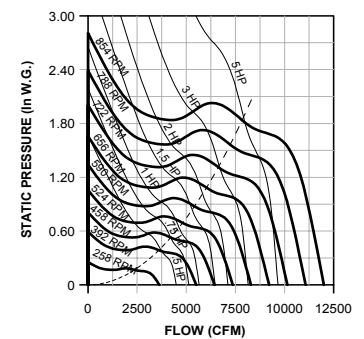
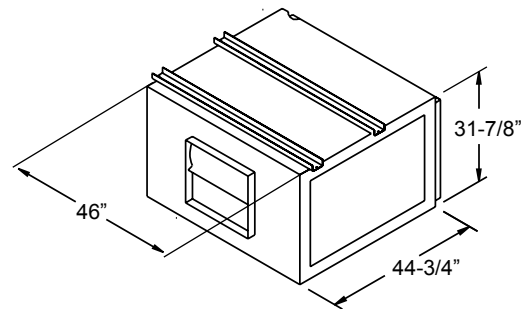
15 DB/DBX

- Wheel Type - Forward Curved
- Maximum BHP - 5.74 (RPM/1000)³
- Outlet Area - 2.053 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1211
- Outlet Velocity - CFM/2.053 fpm



18 DB/DBX

- Wheel Type - Forward Curved
- Maximum BHP - 15.34 (RPM/1000)³
- Outlet Area - 2.933 Sq. Ft.
- Max Motor Frame - 184T
- Maximum RPM - 854
- Outlet Velocity - CFM/2.933 fpm



13 DB / DBX

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1300	902	354	0.08	458	0.12																		
1500	1041	379	0.10	469	0.15																		
1700	1180	399	0.14	485	0.19	567	0.24																
1900	1319	419	0.17	508	0.23	579	0.29	651	0.35														
2100	1458	450	0.23	533	0.29	596	0.35	662	0.41	726	0.48												
2300	1597	485	0.29	555	0.35	619	0.42	677	0.48	737	0.55	796	0.64										
2500	1736	521	0.37	571	0.42	644	0.50	696	0.57	751	0.64	806	0.72	911	0.90								
2700	1874	558	0.46	594	0.50	668	0.59	720	0.67	768	0.74	819	0.82	921	1.00								
2900	2013	595	0.56	625	0.60	687	0.69	745	0.78	790	0.85	836	0.94	932	1.12	1024	1.32						
3100	2152	633	0.68	659	0.72	702	0.79	769	0.90	815	0.99	857	1.07	945	1.25	1034	1.45	1118	1.68				
3300	2291	671	0.82	695	0.86	727	0.92	790	1.03	840	1.13	881	1.22	961	1.40	1045	1.60	1128	1.83	1205	2.08		
3500	2430	708	0.97	731	1.01	758	1.07	804	1.15	864	1.28	906	1.38	981	1.57	1059	1.78	1139	2.01	1215	2.25		
3700	2569	747	1.14	767	1.18	791	1.24	825	1.31	884	1.44	930	1.56	1003	1.76	1075	1.97	1151	2.20	1225	2.44	1297	2.71
3900	2708	785	1.33	805	1.38	825	1.43	852	1.49	898	1.60	954	1.75	1028	1.97	1095	2.18	1165	2.41	1237	2.66	1307	2.92
4100	2847	824	1.54	841	1.59	861	1.64	884	1.70	917	1.79	972	1.94	1053	2.19	1117	2.42	1182	2.64	1250	2.89	1318	3.15
4300	2986	863	1.77	879	1.82	897	1.87	918	1.94	944	2.01	986	2.14	1078	2.43	1142	2.67	1202	2.90	1266	3.16	1331	3.42
4500	3124	901	2.03	917	2.08	934	2.13	953	2.20	975	2.27	1006	2.37	1101	2.69	1167	2.95	1225	3.19	1284	3.44	1345	3.70
4700	3263	939	2.30	955	2.36	971	2.42	988	2.47	1008	2.55	1033	2.64	1119	2.94	1192	3.24	1249	3.49	1305	3.76	1362	4.02
4900	3402	978	2.61	993	2.66	1008	2.72	1024	2.78	1042	2.85	1063	2.93	1134	3.20	1216	3.54	1275	3.83	1328	4.09	1381	4.36
5100	3541	1016	2.93	1030	2.99	1045	3.05	1060	3.11	1077	3.18	1096	3.26	1151	3.49	1237	3.86	1300	4.17	1352	4.45	1403	4.72
5300	3680	1055	3.28	1069	3.35	1083	3.41	1098	3.48	1113	3.54	1130	3.62	1175	3.82	1255	4.18	1324	4.53	1378	4.84	1427	5.12
5500	3819	1094	3.66	1108	3.73	1121	3.80	1135	3.87	1149	3.93	1165	4.01	1203	4.19	1269	4.51	1347	4.91	1403	5.24		
5700	3958	1133	4.08	1147	4.15	1159	4.21	1172	4.28	1185	4.35	1200	4.42	1235	4.61	1287	4.87	1366	5.29				
5900	4097	1172	4.52	1185	4.59	1197	4.66	1209	4.72	1223	4.80	1236	4.87	1267	5.05	1310	5.28						
6100	4236	1211	4.99	1224	5.06	1234	5.12	1247	5.20	1260	5.28	1272	5.35										

15 DB / DBX

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	876	313	0.10	393	0.15	461	0.20																
2200	1071	342	0.15	419	0.21	481	0.27	537	0.33														
2600	1266	377	0.23	446	0.29	507	0.36	559	0.43	607	0.51	654	0.58										
3000	1461	416	0.32	475	0.40	534	0.48	586	0.56	631	0.64	673	0.72	755	0.90								
3400	1656	457	0.44	508	0.53	562	0.62	612	0.71	658	0.80	699	0.90	774	1.08	846	1.28						
3800	1850	499	0.60	545	0.69	592	0.79	640	0.89	684	0.99	726	1.10	798	1.30	865	1.51	930	1.73	994	1.95		
4200	2045	542	0.79	584	0.89	626	1.00	669	1.11	712	1.22	752	1.33	825	1.55	890	1.78	950	2.02	1008	2.25	1067	2.50
4600	2240	585	1.01	624	1.12	662	1.23	701	1.35	741	1.48	780	1.60	852	1.85	916	2.09	974	2.34	1029	2.59	1083	2.85
5000	2435	629	1.28	666	1.39	701	1.52	736	1.64	772	1.78	809	1.91	879	2.18	943	2.45	1001	2.71	1054	2.98	1105	3.25
5400	2630	673	1.59	708	1.71	741	1.84	773	1.98	806	2.12	839	2.26	906	2.55	970	2.84	1028	3.13	1081	3.42	1131	3.71
5800	2825	718	1.96	751	2.08	782	2.22	812	2.36	842	2.51	873	2.66	936	2.97	997	3.28	1054	3.59	1108	3.90	1158	4.22
6200	3019	763	2.37	794	2.50	823	2.64	851	2.78	880	2.95	908	3.11	967	3.44	1025	3.77	1082	4.11	1135	4.44	1184	4.76
6600	3214	808	2.84	838	2.99	866	3.13	892	3.27	919	3.44	945	3.61	999	3.96	1055	4.32	1109	4.66	1162	5.02	1211	5.37
7000	3409	854	3.38	882	3.53	908	3.67	934	3.83	959	4.00	984	4.18	1034	4.54	1086	4.91	1138	5.28				
7400	3604	899	3.96	926	4.13	951	4.27	976	4.44	1000	4.62	1024	4.81	1071	5.19								
7600	3701	922	4.28	948	4.45	973	4.61	997	4.77	1021	4.95	1043	5.13										
7800	3799	945	4.62	971	4.80	995	4.96	1019	5.13	1042	5.31	1064	5.49										
8000	3896	968	4.98	993	5.16	1017	5.33	1040	5.49														
8200	3994	991	5.35																				

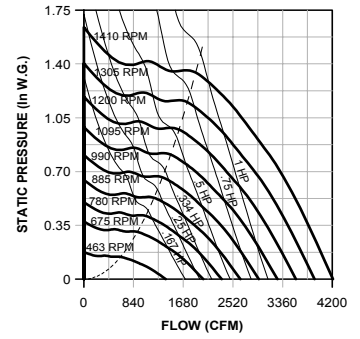
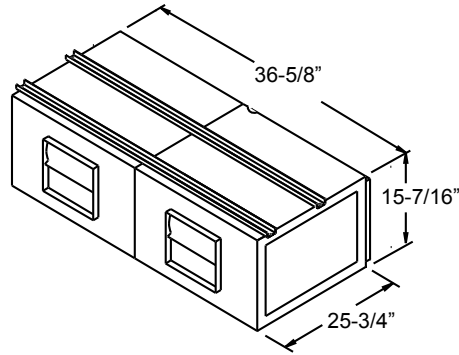
18 DB / DBX

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3200	1091	258	0.21	323	0.29																		
3600	1227	282	0.29	330	0.36	388	0.46																
4000	1364	307	0.38	340	0.44	398	0.56																
4400	1500	334	0.51	359	0.55	404	0.66	454	0.79														
4800	1637	360	0.65	381	0.69	413	0.77	462	0.92	505	1.06												
5200	1773	387	0.82	405	0.86	430	0.93	468	1.05	514	1.22	551	1.36										
5600	1909	415	1.02	431	1.06	451	1.12	479	1.22	520	1.38	561	1.56										
6000	2046	442	1.24	457	1.29	474	1.34	496	1.43	528	1.57	568	1.76	637	2.10								
6400	2182	470	1.50	483	1.54	499	1.61	517	1.68	541	1.79	574	1.95	647	2.37								
6800	2319	498	1.80	511	1.85	524	1.90	540	1.97	559	2.06	585	2.20	654	2.62	714	3.00						
7200	2455	526	2.13	537	2.17	550	2.23	564	2.30	580	2.38	601	2.50	660	2.89	724	3.34	775	3.70				
7600	2592	554	2.50	565	2.55	577	2.61	589	2.67	603	2.75	620	2.85	668	3.17	731	3.66	786	4.10				
8000	2728	582	2.91	592	2.96	603	3.02	615	3.09	628	3.17	642	3.25	681	3.53	737	3.99	795	4.49	844	4.93		
8400	2864	609	3.34	620	3.42	630	3.47	641	3.54	652	3.61	665	3.70	698	3.95	745	4.35	802	4.89	854	5.39		
8800	3001	637	3.84	647	3.91	657	3.97	667	4.04	678	4.12	690	4.21	718	4.43	756	4.76	808	5.28				
9200	3137	665	4.39	674	4.45	684	4.52	694	4.60	704	4.67	715	4.76	739	4.95	772	5.26						
9600	3274	693	4.98	702	5																		

8-10 TDB Data

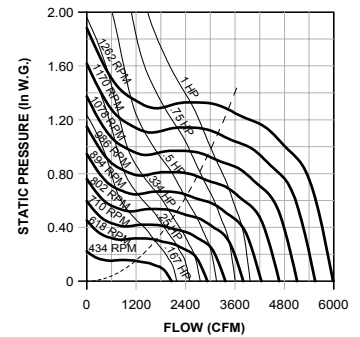
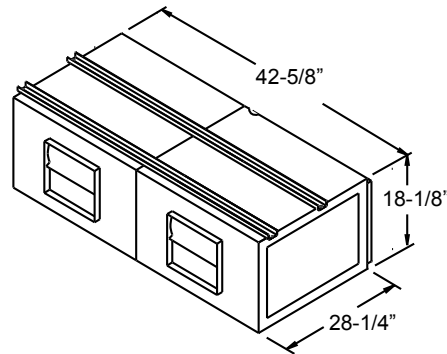
8 TDB

- Wheel Type - Forward Curved
- Maximum BHP - 0.883 (RPM/1000)³
- Outlet Area - 1.004 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1410
- Outlet Velocity - CFM/1.004 fpm



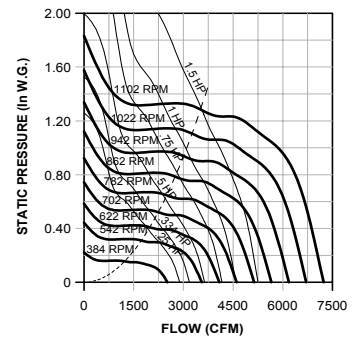
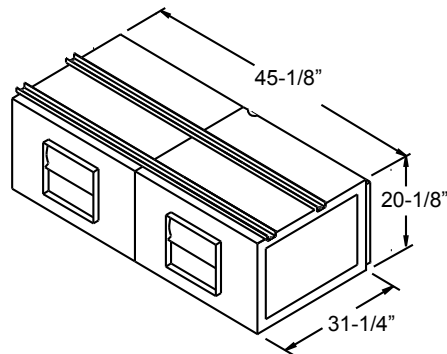
9 TDB

- Wheel Type - Forward Curved
- Maximum BHP - 1.35 (RPM/1000)³
- Outlet Area - 1.680 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1262
- Outlet Velocity - CFM/1.680 fpm



10 TDB

- Wheel Type - Forward Curved
- Maximum BHP - 2.49 (RPM/1000)³
- Outlet Area - 2.074 Sq. Ft.
- Max Motor Frame - 145T
- Maximum RPM - 1102
- Outlet Velocity - CFM/2.074 fpm



8 TDB

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
800	796	463	0.04																				
950	946	493	0.06	626	0.09																		
1100	1095	525	0.08	649	0.11	757	0.15																
1250	1245	558	0.10	677	0.14	779	0.18	871	0.22														
1400	1394	596	0.14	708	0.18	805	0.22	893	0.27	975	0.31												
1550	1543	635	0.17	741	0.22	833	0.27	917	0.32	996	0.37	1070	0.42										
1700	1693	676	0.22	774	0.27	865	0.32	945	0.38	1020	0.43	1092	0.49	1224	0.60								
1850	1842	719	0.27	809	0.33	897	0.38	975	0.44	1047	0.50	1116	0.56	1244	0.68	1363	0.80						
2000	1992	763	0.33	847	0.39	930	0.45	1006	0.51	1076	0.58	1141	0.64	1266	0.77	1381	0.90						
2100	2091	793	0.38	873	0.44	952	0.50	1028	0.57	1096	0.63	1160	0.70	1282	0.84	1395	0.98						
2200	2191	822	0.43	900	0.49	975	0.56	1049	0.63	1117	0.70	1180	0.77	1299	0.91	1410	1.05						
2300	2290	852	0.48	927	0.55	999	0.62	1071	0.69	1139	0.76	1201	0.83	1316	0.98								
2400	2390	884	0.54	955	0.61	1025	0.69	1094	0.76	1160	0.83	1222	0.91	1335	1.06								
2500	2490	915	0.60	984	0.68	1050	0.76	1117	0.83	1182	0.91	1243	0.98										
2600	2589	946	0.67	1012	0.75	1077	0.83	1140	0.91	1204	0.99	1265	1.07										
2700	2689	977	0.75	1040	0.83	1104	0.91	1166	1.00	1227	1.08												
2800	2788	1007	0.82	1071	0.91	1131	1.00	1191	1.08														
2900	2888	1038	0.91	1101	1.00	1158	1.09																
3000	2988	1071	1.00	1130	1.09																		

9 TDB

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1600	952	434	0.09	564	0.14																		
1700	1011	446	0.11	570	0.15																		
1800	1071	457	0.12	576	0.17																		
1900	1130	468	0.14	581	0.18	686	0.24																
2000	1190	482	0.15	588	0.20	693	0.26																
2100	1250	497	0.17	596	0.22	699	0.28																
2200	1309	514	0.20	607	0.25	705	0.31	793	0.37														
2300	1369	531	0.22	618	0.27	710	0.33	800	0.40														
2400	1428	550	0.25	630	0.30	716	0.36	806	0.43														
2600	1547	588	0.31	652	0.36	733	0.42	817	0.49	896	0.57												
2800	1666	627	0.38	677	0.42	755	0.49	829	0.56	908	0.65	978	0.73										
3000	1785	666	0.46	707	0.50	778	0.57	846	0.64	918	0.73	991	0.82										
3200	1904	706	0.56	742	0.59	800	0.66	868	0.74	932	0.82	1001	0.91	1127	1.11								
3400	2023	747	0.66	779	0.70	825	0.76	891	0.84	951	0.93	1013	1.02	1140	1.22								
3600	2142	788	0.78	816	0.82	855	0.87	913	0.96	973	1.05	1030	1.14	1151	1.34	1262	1.56						
3800	2261	828	0.92	855	0.96	888	1.01	936	1.08	996	1.18	1050	1.27	1162	1.47								
4000	2380	869	1.06	894	1.10	923	1.15	963	1.22	1019	1.32	1073	1.42	1175	1.62								
4200	2500	910	1.23	934	1.27	960	1.32	994	1.38	1041	1.47	1096	1.58										
4400	2619	952	1.41	974	1.45	998	1.50	1027	1.56	1067	1.64												
4600	2738	994	1.61	1014	1.65																		

10 TDB

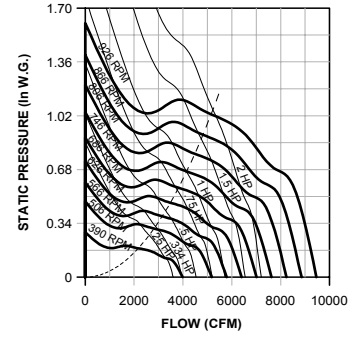
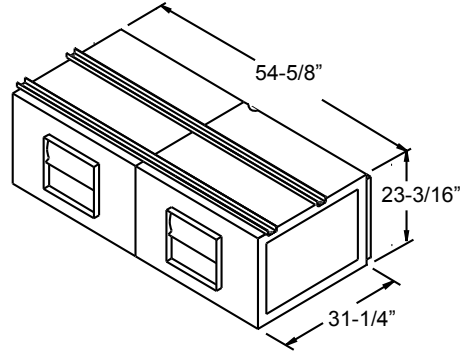
CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2000	964	384	0.12	496	0.18	600	0.25																
2150	1036	396	0.14	500	0.20	606	0.28																
2300	1108	411	0.16	509	0.23	608	0.31	692	0.38														
2450	1181	427	0.19	519	0.26	608	0.33	699	0.42														
2600	1253	445	0.22	529	0.29	611	0.36	702	0.46	775	0.54												
2750	1325	464	0.26	538	0.32	619	0.40	702	0.49	781	0.59	845	0.68										
2900	1398	484	0.29	549	0.36	629	0.44	703	0.53	784	0.63	852	0.73										
3050	1470	504	0.34	562	0.40	639	0.48	708	0.58	785	0.68	857	0.79										
3200	1542	525	0.38	576	0.45	648	0.53	716	0.62	785	0.73	860	0.84	977	1.06								
3350	1615	546	0.44	591	0.50	658	0.58	726	0.68	789	0.78	859	0.90	984	1.13								
3500	1687	567	0.49	608	0.55	668	0.63	736	0.73	796	0.84	860	0.96	989	1.20	1089	1.44						
3650	1759	588	0.55	627	0.62	680	0.70	746	0.80	806	0.91	864	1.02	992	1.28	1095	1.52						
3800	1832	610	0.62	645	0.68	693	0.76	755	0.86	816	0.97	871	1.09	993	1.35	1102	1.61						
3950	1904	632	0.69	665	0.76	708	0.83	765	0.93	826	1.05	879	1.16	992	1.42								
4100	1976	654	0.77	685	0.83	724	0.91	776	1.01	835	1.12	889	1.24	994	1.50								
4250	2049	675	0.85	705	0.92	741	0.99	788	1.09	845	1.21	899	1.33	999	1.59								
4400	2121	697	0.94	725	1.01	759	1.09	802	1.18	855	1.30	909	1.42										
4550	2193	720	1.04	746	1.11	777	1.18	817	1.28	865	1.39	919	1.52										
4700	2266	742	1.14	767	1.21	796	1.28	832	1.38	877	1.49	928	1.62										
4850	2338	764	1.25	788	1.32	816	1.40	849	1.49	890	1.60												
5000	2410	786	1.37	810	1.44	836	1.52	867	1.61														
5150	2483	808	1.49	831	1.56	855	1.64																

Performance shown is for Installation Type B: free inlet, ducted outlet. Performance ratings do not include the appurtenances in the airstream. Power rating (BHP) does not include drive losses.

13-18 TDB Data

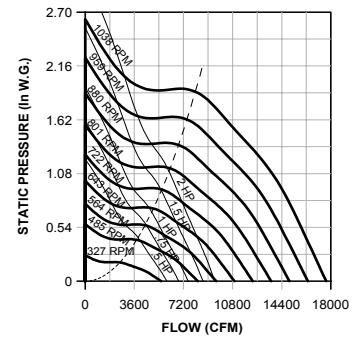
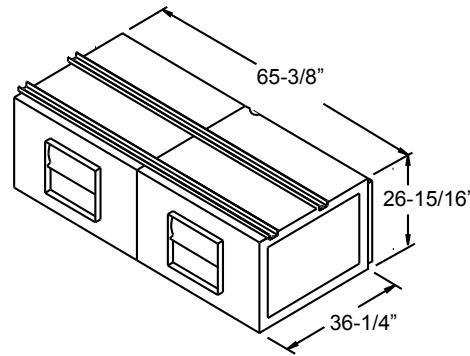
13 TDB

- Wheel Type** - Forward Curved
- Maximum BHP** - 5.77 (RPM/1000)³
- Outlet Area** - 2.880 Sq. Ft.
- Max Motor Frame** - 145T
- Maximum RPM** - 926
- Outlet Velocity** - CFM/2.880 fpm



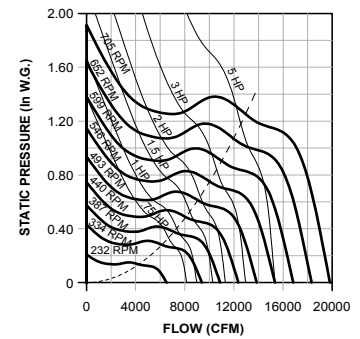
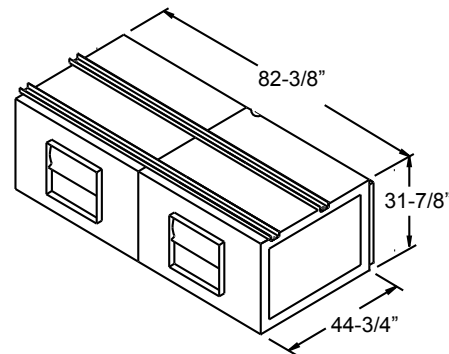
15 TDB

- Wheel Type** - Forward Curved
- Maximum BHP** - 11.46 (RPM/1000)³
- Outlet Area** - 4.106 Sq. Ft.
- Max Motor Frame** - 184T
- Maximum RPM** - 1038
- Outlet Velocity** - CFM/4.106 fpm



18 TDB

- Wheel Type** - Forward Curved
- Maximum BHP** - 30.7 (RPM/1000)³
- Outlet Area** - 5.864 Sq. Ft.
- Max Motor Frame** - 184T
- Maximum RPM** - 705
- Outlet Velocity** - CFM/5.864 fpm



13 TDB

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3200	1111	390	0.24	476	0.33	561	0.44																
3400	1180	399	0.27	485	0.37	567	0.48																
3600	1249	407	0.31	496	0.42	572	0.52	646	0.65														
3800	1319	419	0.35	508	0.47	579	0.58	651	0.70														
4000	1388	434	0.40	520	0.52	587	0.63	656	0.76	721	0.90												
4200	1458	450	0.45	533	0.58	596	0.69	662	0.82	726	0.96												
4400	1527	467	0.51	545	0.64	607	0.76	669	0.89	732	1.04	791	1.19										
4600	1597	485	0.58	555	0.70	619	0.84	677	0.97	737	1.11	796	1.27										
4800	1666	503	0.66	564	0.77	631	0.91	686	1.05	744	1.19	801	1.35										
5000	1736	521	0.74	571	0.83	643	1.00	696	1.13	751	1.28	806	1.44	911	1.80								
5200	1805	539	0.82	581	0.91	656	1.09	708	1.23	759	1.38	813	1.54	916	1.90								
5400	1874	557	0.91	594	1.00	668	1.18	720	1.33	768	1.48	820	1.64	921	2.00								
5600	1944	576	1.01	609	1.10	678	1.27	732	1.44	779	1.59	827	1.75	926	2.11								
5800	2013	594	1.12	625	1.20	687	1.37	745	1.55	790	1.71	836	1.87										
6000	2083	613	1.23	642	1.32	695	1.47	757	1.67	802	1.83	846	2.00										
6200	2152	632	1.36	659	1.44	703	1.58	769	1.79	815	1.97	857	2.14										
6400	2222	651	1.49	676	1.57	714	1.70	780	1.92	827	2.11												
6600	2291	670	1.63	694	1.71	727	1.83	790	2.05														
6800	2361	688	1.77	712	1.86	741	1.97	797	2.17														
7000	2430	707	1.93	730	2.02	757	2.13																

15 TDB

CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	974	327	0.25	406	0.36	469	0.46																
4500	1095	346	0.32	423	0.44	484	0.56	539	0.69														
5000	1217	368	0.41	439	0.54	501	0.68	553	0.82	602	0.95												
5500	1339	391	0.52	457	0.66	517	0.81	569	0.96	615	1.11	660	1.26										
6000	1461	416	0.64	475	0.80	534	0.96	586	1.12	631	1.28	673	1.45	755	1.79								
6500	1583	441	0.79	496	0.96	551	1.13	602	1.30	648	1.48	689	1.65	766	2.02								
7000	1704	467	0.96	517	1.13	569	1.32	619	1.51	664	1.69	705	1.88	779	2.26	850	2.66						
7500	1826	493	1.15	540	1.34	588	1.53	636	1.74	681	1.94	722	2.14	795	2.54	862	2.96	928	3.39				
8000	1948	520	1.37	564	1.57	609	1.78	654	1.99	698	2.20	739	2.42	812	2.85	877	3.28	939	3.73				
8500	2070	547	1.62	589	1.83	630	2.04	673	2.27	715	2.49	756	2.73	829	3.18	893	3.64	952	4.10	1068	5.08		
9000	2191	574	1.90	614	2.11	653	2.34	693	2.58	733	2.81	773	3.06	845	3.54	909	4.02	968	4.51				
9500	2313	601	2.21	640	2.43	676	2.67	714	2.92	752	3.17	790	3.42	862	3.93	926	4.44	984	4.95				
10000	2435	629	2.55	666	2.79	701	3.03	736	3.29	772	3.55	809	3.82	879	4.36	943	4.89	1001	5.43				
10500	2557	657	2.94	692	3.17	725	3.42	759	3.70	793	3.97	828	4.25	896	4.81	960	5.38						
11000	2679	685	3.36	719	3.60	751	3.86	782	4.13	815	4.43	848	4.72	914	5.31								
11500	2800	713	3.81	746	4.07	777	4.34	807	4.62	837	4.91	868	5.21										
12000	2922	741	4.31	772	4.56	802	4.84	831	5.13	861	5.45												
12500	3044	768	4.83	800	5.12	828	5.39																

18 TDB

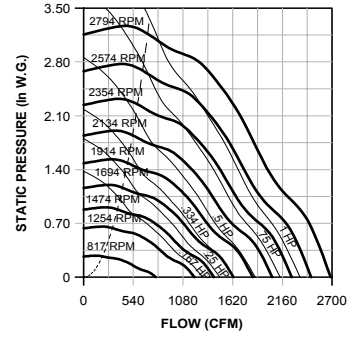
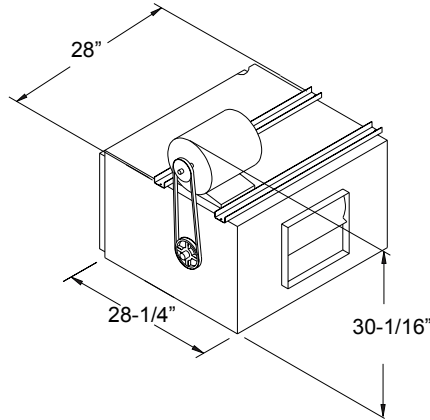
CFM	OV	.125" SP		.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	852	232	0.25																				
5500	937	238	0.29																				
6000	1023	248	0.36	318	0.52																		
6500	1108	261	0.44	324	0.6																		
7000	1193	276	0.53	328	0.69																		
7500	1278	291	0.64	333	0.78	392	1.00																
8000	1364	307	0.77	340	0.88	398	1.13																
8500	1449	324	0.92	351	1.01	402	1.25	450	1.48														
9000	1534	340	1.08	364	1.17	406	1.37	457	1.66														
9500	1620	357	1.26	378	1.34	412	1.52	461	1.81	503	2.07												
10000	1705	374	1.46	393	1.55	421	1.70	465	1.98	510	2.29												
10500	1790	391	1.69	409	1.77	432	1.90	469	2.14	515	2.49	553	2.78										
11000	1875	408	1.93	425	2.02	445	2.13	476	2.35	519	2.70	559	3.03										
11500	1961	425	2.19	441	2.29	459	2.39	485	2.58	523	2.90	564	3.27										
12000	2046	442	2.48	457	2.57	474	2.69	496	2.85	528	3.13	568	3.52	637	4.20								
12500	2131	459	2.79	474	2.90	489	3.00	509	3.16	536	3.41	571	3.75	643	4.52								
13000	2216	476	3.13	490	3.24	505	3.35	522	3.49	545	3.70	577	4.04	649	4.86								
13500	2302	494	3.51	507	3.61	521	3.72	537	3.86	557	4.06	583	4.33	653	5.18								
14000	2387	512	3.92	524	4.01	537	4.13	552	4.26	570	4.45	592	4.68										
14500	2472	529	4.33	541	4.45	553	4.55	567	4.69	583	4.85	603	5.08										
15000	2557	547	4.80	558	4.91	570	5.02	583	5.16	598	5.32												
15500	2643	564	5.28	575	5.40	586	5.50																

Performance shown is for Installation Type B: free inlet, ducted outlet. Performance ratings do not include the appurtenances in the airstream. Power rating (BHP) does not include drive losses.

100-135 SDB Data

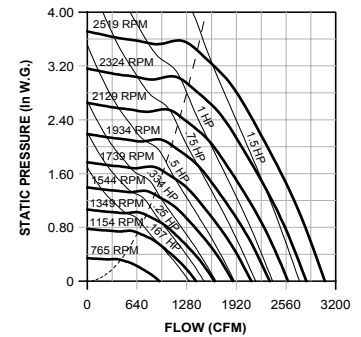
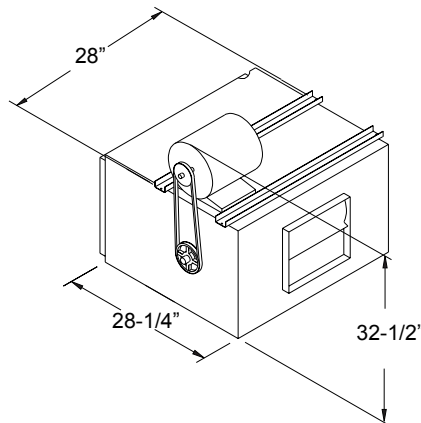
100 SDB

- Wheel Type - Backward Inclined
- Maximum BHP - .069 (RPM/1000)³
- Outlet Area - 1.037 sq. ft.
- Max Motor Frame - 145T
- Maximum RPM - 2794
- Outlet Velocity - CFM/1.037 fpm



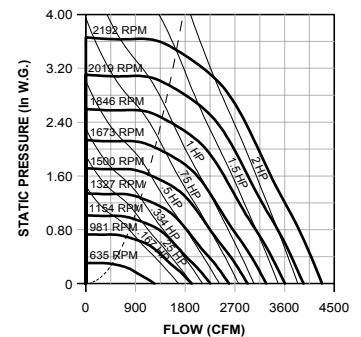
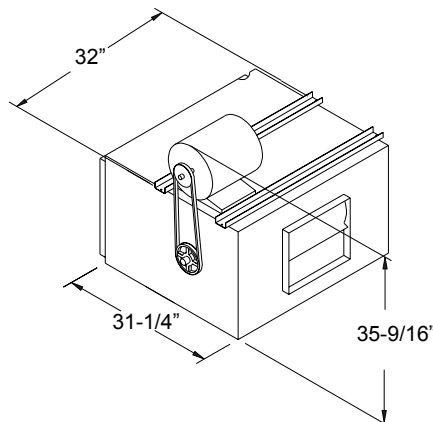
120 SDB

- Wheel Type - Backward Inclined
- Maximum BHP - .132 (RPM/1000)³
- Outlet Area - 1.137 sq. ft.
- Max Motor Frame - 145T
- Maximum RPM - 2519
- Outlet Velocity - CFM/1.137 fpm



135 SDB

- Wheel Type - Backward Inclined
- Maximum BHP - .211 (RPM/1000)³
- Outlet Area - 1.440 sq. ft.
- Max Motor Frame - 145T
- Maximum RPM - 2192
- Outlet Velocity - CFM/1.440 fpm



100 SDB

CFM	OV	.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		.875" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
300	289	817	0.03	982	0.04	1118	0.06																			
400	385	846	0.03	1006	0.05	1150	0.08	1272	0.10	1380	0.12	1480	0.14													
500	482	903	0.04	1041	0.07	1171	0.09	1296	0.12	1410	0.14	1513	0.17	1607	0.20	1776	0.25									
600	578	974	0.06	1099	0.08	1214	0.10	1323	0.13	1431	0.16	1535	0.19	1633	0.23	1809	0.29	1964	0.36	2236	0.49					
700	675	1056	0.07	1166	0.10	1273	0.12	1374	0.15	1469	0.18	1562	0.22	1654	0.25	1832	0.33	1993	0.40	2270	0.55	2510	0.70			
800	771	1142	0.09	1245	0.12	1341	0.15	1434	0.18	1524	0.21	1609	0.24	1692	0.28	1854	0.36	2013	0.44	2299	0.61	2544	0.79	2761	0.96	
900	867	1226	0.12	1330	0.15	1418	0.18	1503	0.21	1587	0.24	1668	0.28	1746	0.32	1894	0.39	2039	0.48	2320	0.67	2572	0.86	2794	1.06	
1000	964	1304	0.14	1416	0.18	1503	0.21	1581	0.25	1657	0.28	1733	0.32	1807	0.36	1948	0.44	2082	0.52	2342	0.71	2592	0.93			
1100	1060	1376	0.17	1500	0.22	1588	0.25	1665	0.29	1735	0.32	1805	0.36	1873	0.40	2009	0.49	2137	0.58	2378	0.77	2614	0.99			
1200	1157	1448	0.21	1578	0.25	1674	0.30	1751	0.34	1819	0.38	1884	0.42	1947	0.46	2074	0.54	2197	0.64	2428	0.84	2647	1.05			
1300	1253	1526	0.24	1652	0.30	1756	0.35	1836	0.39	1905	0.43	1968	0.48	2028	0.52	2146	0.61	2262	0.71	2485	0.91					
1400	1350	1611	0.29	1723	0.34	1833	0.40	1920	0.45	1991	0.50	2054	0.55	2113	0.59	2224	0.68	2332	0.78	2546	1.00					
1500	1446	1702	0.34	1796	0.39	1907	0.46	2000	0.52	2075	0.57	2140	0.62	2199	0.67	2307	0.77	2409	0.87	2611	1.08					
1600	1542	1795	0.40	1875	0.45	1977	0.52	2076	0.58	2157	0.64	2225	0.70	2285	0.75	2392	0.86	2491	0.96							
1700	1639	1890	0.47	1960	0.52	2050	0.58	2148	0.65	2234	0.72	2307	0.79	2370	0.85	2478	0.96	2575	1.07							
1800	1735	1988	0.54	2050	0.60	2126	0.66	2219	0.73	2308	0.80	2386	0.88	2452	0.94	2564	1.07									
1900	1832	2086	0.63	2142	0.68	2209	0.74	2291	0.81	2380	0.89	2461	0.97	2532	1.05											
2000	1928	2183	0.72	2238	0.78	2296	0.84	2368	0.91	2451	0.99	2533	1.07													
2100	2025	2284	0.82	2332	0.88	2387	0.94	2449	1.01	2523	1.09															
2200	2121	2384	0.94	2430	0.99	2479	1.06																			

120 SDB

CFM	OV	.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		.875" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600	527	765	0.05	877	0.07	981	0.09																		
700	615	820	0.06	919	0.08	1015	0.10	1106	0.13	1190	0.15														
800	703	878	0.08	972	0.10	1058	0.12	1141	0.15	1223	0.17	1300	0.20	1371	0.22										
900	791	940	0.10	1029	0.12	1109	0.15	1185	0.18	1260	0.20	1333	0.23	1404	0.26	1535	0.32								
1000	879	1004	0.12	1088	0.15	1166	0.18	1237	0.21	1305	0.24	1372	0.27	1439	0.30	1568	0.36	1686	0.42						
1100	967	1070	0.15	1150	0.18	1224	0.21	1293	0.24	1357	0.27	1420	0.31	1481	0.34	1602	0.41	1719	0.48	1929	0.61				
1200	1055	1139	0.18	1213	0.21	1284	0.25	1350	0.28	1413	0.31	1473	0.35	1530	0.38	1642	0.46	1753	0.53	1962	0.68				
1300	1143	1209	0.22	1279	0.26	1346	0.29	1410	0.32	1471	0.36	1529	0.40	1584	0.44	1689	0.51	1793	0.59	1995	0.76	2180	0.92		
1400	1231	1282	0.27	1347	0.30	1410	0.34	1471	0.37	1530	0.41	1586	0.45	1640	0.49	1742	0.57	1839	0.66	2030	0.83	2213	1.01	2380	1.18
1500	1319	1357	0.32	1416	0.35	1476	0.39	1535	0.43	1591	0.47	1645	0.51	1698	0.56	1797	0.64	1890	0.73	2070	0.91	2246	1.10	2413	1.29
1600	1407	1431	0.37	1487	0.41	1543	0.45	1599	0.49	1653	0.54	1706	0.58	1757	0.62	1854	0.72	1944	0.81	2115	1.00	2283	1.20	2446	1.40
1700	1495	1508	0.44	1560	0.48	1612	0.52	1666	0.56	1717	0.61	1768	0.65	1818	0.70	1912	0.80	2000	0.89	2166	1.09	2324	1.30	2481	1.51
1800	1583	1584	0.51	1634	0.55	1683	0.60	1733	0.64	1783	0.69	1832	0.74	1880	0.78	1971	0.88	2058	0.98	2219	1.19	2370	1.41	2519	1.63
1900	1671	1662	0.59	1708	0.64	1755	0.68	1802	0.73	1850	0.78	1897	0.83	1943	0.88	2032	0.98	2117	1.08	2274	1.30	2421	1.53		
2000	1759	1739	0.68	1784	0.73	1827	0.77	1873	0.82	1918	0.87	1963	0.92	2007	0.97	2094	1.08	2176	1.19	2331	1.42	2474	1.65		
2100	1846	1817	0.78	1860	0.83	1903	0.88	1945	0.93	1987	0.98	2030	1.03	2073	1.08	2156	1.19	2237	1.31	2389	1.54				
2200	1934	1897	0.89	1936	0.93	1976	0.98	2017	1.04	2058	1.09	2099	1.15	2140	1.20	2220	1.31	2299	1.43						
2300	2022	1976	1.00	2015	1.05	2053	1.11	2091	1.16	2130	1.22	2169	1.27	2208	1.33	2286	1.45	2362	1.57						
2400	2110	2055	1.13	2092	1.18	2129	1.24	2166	1.29	2203	1.35	2240	1.41	2277	1.47	2353	1.59								
2500	2198	2134	1.26	2169	1.32	2204	1.38	2240	1.44	2276	1.50	2312	1.56	2348	1.62										
2600	2286	2213	1.41	2248	1.47	2283	1.53	2317	1.59	2351	1.65														

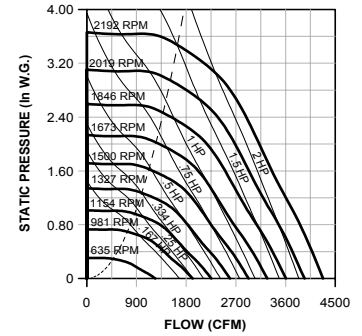
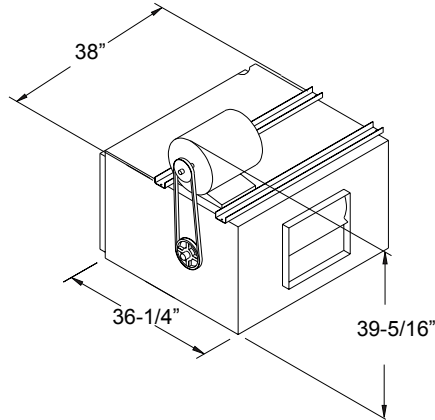
135 SDB

CFM	OV	.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		.875" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
700	486	635	0.05	746	0.07	843	0.09																		
800	555	662	0.06	764	0.08	859	0.11	945	0.13	1024	0.16														
900	624	696	0.07	788	0.10	878	0.12	962	0.15	1039	0.18	1111	0.21												
1000	694	733	0.08	817	0.11	900	0.14	980	0.17	1056	0.20	1127	0.23	1194	0.27										
1100	763	773	0.10	851	0.13	927	0.16	1002	0.20	1075	0.23	1144	0.26	1210	0.30	1332	0.36								
1200	833	814	0.12	889	0.15	959	0.19	1028	0.22	1096	0.26	1163	0.29	1228	0.33	1348	0.40	1458	0.48						
1300	902	856	0.14	928	0.17	994	0.21	1058	0.25	1121	0.28	1185	0.32	1247	0.36	1365	0.44	1474	0.52	1671	0.69				
1400	972	898	0.16	968	0.20	1032	0.24	1092	0.28	1151	0.32	1210	0.36	1269	0.40	1384	0.48	1491	0.57	1686	0.74				
1500	1041	939	0.19	1010	0.23	1071	0.27	1128	0.31	1184	0.35	1239	0.39	1295	0.44	1404	0.53	1509	0.62	1702	0.80	1875	0.99		
1600	1111	981	0.22	1052	0.26	1112	0.30	1167	0.34	1220	0.39	1272	0.43	1324	0.48	1427	0.57	1529	0.67	1719	0.86	1891	1.06	2048	1.27
1800	1249	1066	0.29	1135	0.34	1194	0.38	1247	0.43	1297	0.47	1345	0.52	1392	0.57	1484	0.68	1576	0.78	1756	1.00	1924	1.22	2079	1.44
2000	1388	1154	0.38	1219	0.42	1278	0.47	1330	0.52	1378</															

150-210 SDB Data

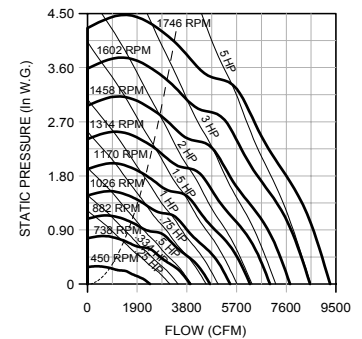
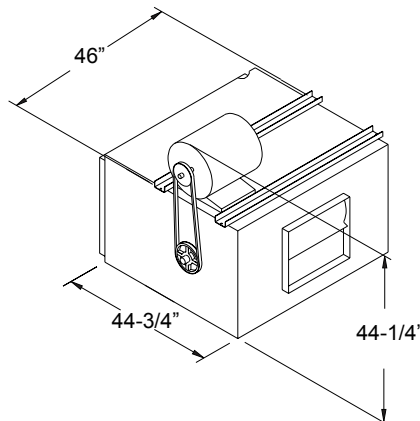
150 SDB

- Wheel Type - Backward Inclined
- Maximum BHP - .407 (RPM/1000)³
- Outlet Area - 2.01 sq. ft.
- Max Motor Frame - 184T
- Maximum RPM - 2037
- Outlet Velocity - CFM/2.01 fpm



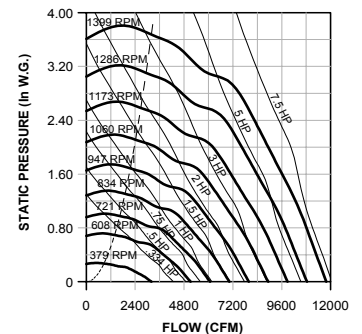
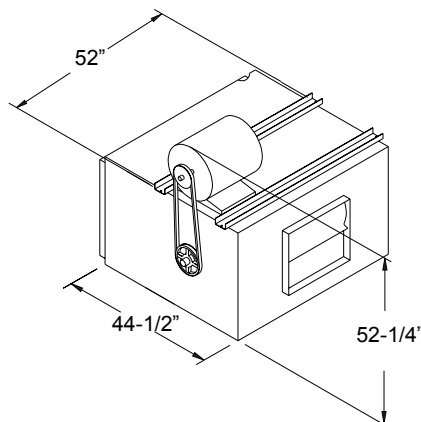
180 SDB

- Wheel Type - Backward Inclined
- Maximum BHP - 1.37 (RPM/1000)³
- Outlet Area - 2.81 sq. ft.
- Max Motor Frame - 184T
- Maximum RPM - 1746
- Outlet Velocity - CFM/2.81 fpm



210 SDB

- Wheel Type - Backward Inclined
- Maximum BHP - 2.56 (RPM/1000)³
- Outlet Area - 4.19 sq. ft.
- Max Motor Frame - 215T
- Maximum RPM - 1399
- Outlet Velocity - CFM/4.19 fpm



150 SDB

CFM	OV	.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		.875" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
1600	779	704	.15	778	.19	842	.23																			
1800	876	753	.19	824	.23	887	.27	943	.32	1001	.38															
2000	974	805	.23	872	.28	933	.33	989	.38	1040	.43	1090	.49													
2200	1071	861	.29	921	.34	980	.39	1035	.45	1085	.50	1132	.56	1177	.62											
2400	1169	920	.35	973	.41	1029	.47	1082	.53	1132	.58	1178	.64	1221	.71	1305	.85									
2600	1266	980	.42	1027	.49	1078	.55	1130	.62	1178	.68	1224	.74	1267	.80	1346	.94	1424	1.09							
2800	1363	1041	.51	1085	.58	1131	.65	1179	.72	1226	.78	1271	.85	1313	.91	1392	1.06	1464	1.21							
3000	1461	1104	.61	1144	.68	1186	.75	1230	.83	1275	.90	1318	.97	1360	1.04	1438	1.18	1509	1.34	1644	1.68					
3200	1558	1165	.72	1205	.79	1243	.87	1283	.95	1325	1.03	1367	1.11	1408	1.18	1485	1.33	1556	1.49	1683	1.84					
3400	1656	1229	.84	1266	.92	1302	1.00	1339	1.09	1377	1.17	1416	1.25	1456	1.33	1532	1.49	1602	1.66	1728	2.01	1846	2.39			
3600	1753	1292	.98	1328	1.06	1363	1.14	1396	1.23	1431	1.32	1468	1.41	1505	1.50	1579	1.67	1648	1.84	1774	2.20	1887	2.59	2001	3.01	
3800	1850	1355	1.13	1390	1.22	1424	1.30	1456	1.39	1488	1.49	1522	1.59	1557	1.68	1628	1.86	1695	2.04	1820	2.40	1931	2.80	2037	3.23	
4000	1948	1421	1.31	1453	1.39	1485	1.48	1516	1.57	1546	1.67	1577	1.77	1610	1.88	1677	2.07	1743	2.26	1867	2.64	1977	3.03			
4200	2045	1486	1.50	1517	1.59	1547	1.67	1577	1.77	1606	1.87	1635	1.98	1665	2.08	1728	2.29	1792	2.49	1913	2.88	2024	3.30			
4400	2143	1550	1.71	1580	1.79	1609	1.88	1638	1.98	1666	2.09	1694	2.20	1722	2.31	1780	2.53	1841	2.74	1961	3.16					
4600	2240	1614	1.93	1642	2.02	1672	2.12	1700	2.22	1727	2.32	1753	2.43	1780	2.55	1835	2.79	1892	3.01							
4800	2338	1679	2.17	1708	2.27	1736	2.37	1762	2.47	1788	2.58	1814	2.69	1839	2.81	1891	3.06	1945	3.30							
5000	2435	1746	2.45	1773	2.55	1799	2.65	1824	2.75	1850	2.86	1875	2.97	1899	3.09											
5200	2532	1812	2.74	1838	2.84	1862	2.94	1887	3.05	1913	3.16	1936	3.27													

180 SDB

CFM	OV	.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		.875" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
1000	341	450	0.06	532	0.10	603	0.13	668	0.17																	
1400	477	474	0.09	566	0.14	635	0.18	695	0.22	751	0.27	803	0.32	852	0.37	943	0.48									
1800	613	511	0.13	583	0.18	665	0.24	731	0.29	785	0.34	835	0.40	881	0.46	969	0.58	1049	0.71	1195	0.99					
2200	750	567	0.19	626	0.25	682	0.30	749	0.37	815	0.44	870	0.50	918	0.57	1002	0.70	1079	0.84	1220	1.15	1347	1.47	1463	1.81	
2600	886	620	0.26	682	0.33	731	0.39	777	0.46	828	0.53	886	0.61	943	0.69	1037	0.84	1115	1.00	1251	1.32	1374	1.67	1488	2.05	
3000	1023	673	0.34	735	0.42	787	0.50	830	0.58	870	0.65	911	0.73	956	0.81	1056	1.00	1147	1.18	1288	1.54	1407	1.91	1517	2.30	
3400	1159	732	0.45	788	0.53	841	0.63	887	0.72	926	0.81	961	0.89	996	0.98	1072	1.16	1160	1.36	1320	1.77	1444	2.18	1552	2.60	
3800	1296	795	0.59	843	0.68	893	0.77	940	0.88	981	0.98	1018	1.08	1051	1.18	1113	1.36	1180	1.57	1336	2.02	1476	2.48	1588	2.93	
4200	1432	861	0.76	902	0.85	946	0.94	992	1.05	1035	1.17	1073	1.29	1108	1.40	1168	1.61	1225	1.82	1349	2.27	1493	2.79	1619	3.29	
4600	1568	929	0.96	964	1.05	1004	1.16	1045	1.26	1087	1.39	1126	1.51	1162	1.64	1225	1.89	1280	2.12	1384	2.58	1504	3.10	1635	3.66	
5000	1705	999	1.19	1030	1.29	1064	1.40	1101	1.51	1140	1.64	1178	1.77	1214	1.90	1280	2.18	1336	2.44	1434	2.95	1532	3.46	1646	4.04	
5400	1841	1070	1.47	1098	1.58	1128	1.69	1161	1.81	1195	1.93	1231	2.06	1266	2.20	1333	2.50	1392	2.80	1490	3.35	1578	3.89	1671	4.46	
5800	1978	1141	1.78	1167	1.90	1194	2.02	1223	2.14	1253	2.26	1286	2.40	1320	2.55	1385	2.85	1445	3.17	1547	3.80	1632	4.38	1714	4.96	
6200	2114	1214	2.15	1237	2.27	1261	2.39	1287	2.51	1315	2.65	1344	2.79	1375	2.93	1437	3.24	1497	3.58	1602	4.26	1689	4.91			
6600	2251	1286	2.56	1308	2.68	1330	2.81	1354	2.94	1379	3.08	1405	3.22	1433	3.37	1491	3.69	1549	4.03	1655	4.75	1746	5.47			
7000	2387	1359	3.02	1379	3.15	1400	3.28	1422	3.43	1445	3.57	1469	3.72	1494	3.87	1547	4.19	1602	4.53	1708	5.29					
7400	2523	1433	3.54	1452	3.68	1471	3.81	1491	3.96	1512	4.11	1534	4.26	1557	4.42	1605	4.74	1657	5.10							
7800	2660	1506	4.11	1524	4.25	1542	4.40	1561	4.55	1580	4.70	1601	4.87	1621	5.02	1666	5.36									
8200	2796	1579	4.74	1596	4.89	1614	5.05	1631	5.20	1650	5.37															

210 SDB

CFM	OV	.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		.875" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
1300	305	379	0.08	453	0.12	519	0.17																			
1800	423	400	0.11	475	0.16	534	0.21	589	0.27	640	0.34	688	0.40	733	0.47											
2300	540	422	0.16	491	0.22	559	0.28	612	0.34	659	0.41	703	0.48	745	0.56	826	0.72	900	0.89							
2800	658	463	0.22	515	0.29	571	0.37	631	0.44	683	0.51	728	0.59	768	0.67	842	0.83	912	1.02	1042	1.41	1158	1.84			
3300	775	507	0.29	556	0.38	600	0.46	645	0.55	696	0.64	746	0.72	792	0.81	868	0.99	934	1.18	1055	1.59	1169	2.05	1273	2.53	
3800	893	553	0.38	600	0.48	641	0.58	680	0.68	718	0.78	759	0.88	803	0.98	888	1.17	960	1.37	1078	1.81	1184	2.28	1285	2.79	
4300	1010	600	0.52	645	0.60	685	0.71	721	0.82	756	0.94	789	1.05	823	1.16	899	1.39	976	1.61	1104	2.06	1207	2.55	1303	3.08	
4800	1128	649	0.68	690	0.76	729	0.86	765	0.99	798	1.12	829	1.24	859	1.37	920	1.62	987	1.88	1124	2.37	1234	2.88	1328	3.42	
5300	1245	701	0.88	738	0.97	775	1.05	809	1.17	841	1.32	872	1.46	901	1.60	955	1.88	1010	2.16	1134	2.72	1254	3.26	1354	3.82	
5800	1363	755	1.10	788	1.22	822	1.31	855	1.40	886	1.54	915	1.69	943	1.85	996	2.16	1046	2.47	1150	3.08	1265	3.68	1374	4.28	
6300	1480	810	1.36	839	1.49	870	1.60	901	1.70	932	1.81	960	1.96	988	2.13	1039	2.47	1087	2.80	1179	3.47	1278	4.13	1385	4.78	
6800	1598	865	1.65	892	1.81	920	1.94	949	2.05	978	2.16	1006	2.28	1032	2.43	1082	2.80	1129	3.17	1216	3.88	1302	4.60	1397	5.33	
7300	1716	921	1.99	946	2.16	972	2.32	998	2.45	1025	2.56															

245 SDB Data

245 SDB

Wheel Type - Backward Inclined

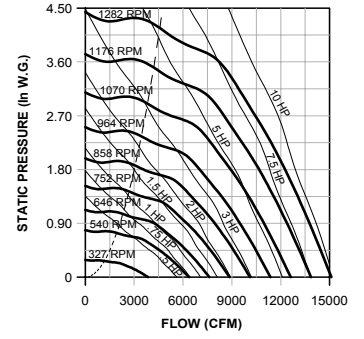
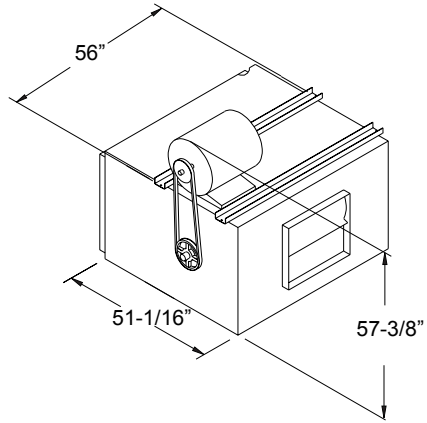
Maximum BHP - 4.62 (RPM/1000)³

Outlet Area - 5.157 Sq. Ft.

Max Motor Frame - 215T

Maximum RPM - 1282

Outlet Velocity - CFM/5.157 fpm



245 SDB

CFM	OV	.250" SP		.375" SP		.500" SP		.625" SP		.750" SP		.875" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP		2.500" SP		3.000" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
1700	329	327	0.11	393	0.17	447	0.23																			
2450	475	350	0.16	408	0.23	464	0.31	513	0.40	557	0.49	597	0.58	634	0.67											
3200	620	391	0.23	440	0.32	483	0.41	527	0.50	571	0.60	613	0.71	651	0.82	720	1.06	782	1.29							
3950	766	437	0.34	481	0.43	522	0.55	558	0.65	593	0.76	628	0.88	664	0.99	734	1.25	798	1.52	909	2.10	1004	2.68			
4700	911	487	0.49	526	0.58	564	0.70	599	0.83	631	0.96	662	1.09	691	1.22	750	1.49	811	1.77	924	2.40	1023	3.08	1110	3.77	
5450	1057	540	0.69	575	0.80	609	0.91	641	1.03	673	1.18	702	1.33	730	1.49	782	1.79	833	2.10	937	2.75	1036	3.46	1126	4.23	
6200	1202	595	0.92	627	1.07	658	1.20	687	1.31	716	1.44	745	1.61	772	1.78	822	2.13	869	2.48	958	3.17	1049	3.90	1139	4.70	
6950	1347	652	1.22	681	1.38	709	1.54	737	1.68	763	1.81	789	1.95	815	2.12	864	2.49	909	2.88	992	3.66	1072	4.45	1153	5.25	
7700	1493	710	1.58	737	1.75	763	1.93	788	2.10	813	2.26	837	2.41	860	2.55	907	2.92	951	3.33	1032	4.20	1106	5.06	1178	5.93	
8450	1638	769	2.02	794	2.20	818	2.39	841	2.58	864	2.77	887	2.95	909	3.11	952	3.44	994	3.84	1074	4.78	1145	5.73	1212	6.67	
9200	1784	829	2.54	852	2.73	874	2.93	896	3.14	918	3.36	939	3.57	960	3.76	1000	4.11	1039	4.47	1116	5.39	1187	6.43	1252	7.48	
9950	1929	890	3.16	911	3.35	931	3.55	952	3.78	972	4.01	992	4.24	1012	4.47	1050	4.88	1087	5.25	1159	6.11	1228	7.16			
10700	2075	950	3.86	970	4.06	990	4.29	1009	4.51	1028	4.76	1047	5.01	1065	5.25	1102	5.74	1137	6.16	1205	6.98	1271	8.00			
11450	2220	1012	4.67	1030	4.88	1049	5.12	1067	5.35	1085	5.61	1102	5.86	1120	6.13	1154	6.65	1188	7.16	1253	8.03					
12200	2366	1073	5.59	1091	5.82	1108	6.05	1125	6.30	1142	6.55	1159	6.83	1175	7.10	1208	7.67	1240	8.23							
12950	2511	1134	6.61	1151	6.86	1168	7.11	1184	7.36	1200	7.63	1216	7.91	1231	8.18	1263	8.80									
13700	2657	1197	7.79	1213	8.04	1228	8.29	1243	8.55	1259	8.84	1274	9.12													
14450	2802	1260	9.09	1274	9.34																					

Performance shown is for Installation Type B: free inlet, ducted outlet. Performance ratings do not include the appurtenances in the airstream. Power rating (BHP) does not include drive losses.

DB/DBX Sound Data

8 DB/DBX

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
500	0.125	61	51	50	51	48	48	45	41	54	3.3
650	0.125	67	64	60	62	58	57	55	52	64	6.7
	0.250	66	61	55	56	53	52	49	46	59	4.9
800	0.125	72	74	67	68	64	63	62	59	71	10.2
	0.250	70	72	64	65	62	60	59	56	68	8.7
950	0.125	75	81	72	71	69	67	67	64	76	14.1
	0.250	74	80	70	69	68	65	65	62	74	12.7
	0.500	73	78	67	65	64	61	60	57	70	10.1
1100	0.250	78	84	77	74	73	70	70	67	79	17.0
	0.500	75	83	74	71	70	67	66	64	76	14.5
	0.750	77	82	71	67	67	64	62	59	73	12.5
1250	0.250	80	87	82	78	77	74	73	71	83	21
	0.500	79	86	81	76	76	72	71	69	81	18.9
	0.750	77	85	79	73	73	69	68	66	79	16.7
1400	1.000	79	85	77	70	69	67	65	62	76	15.2
	0.250	82	89	87	81	81	77	76	75	86	26
	0.500	82	89	86	79	80	75	74	73	85	24
	0.750	79	87	85	78	78	74	72	71	83	21
	1.000	79	87	84	76	76	72	70	68	81	19.3
1550	1.250	81	87	82	73	72	70	68	65	79	18.0
	0.500	84	91	91	83	82	79	77	76	88	29
	0.750	82	90	90	81	81	77	76	74	87	27
	1.000	81	89	89	80	80	76	74	73	86	25
	1.500	83	89	87	76	74	73	70	68	83	21
1700	1.500	83	90	92	81	79	77	74	73	87	27
	1.750	84	91	91	79	77	76	73	71	86	26
1850	1.750	84	92	96	83	81	79	76	76	90	32
	2.000	85	93	95	82	79	78	75	74	89	31

10 DB/DBX

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
400	0.125	61	59	55	53	52	51	44	36	57	4.0
500	0.125	67	68	63	60	59	58	54	48	65	6.8
600	0.125	71	76	69	64	63	63	60	54	70	9.5
	0.250	70	74	67	64	61	62	59	51	68	8.6
700	0.250	74	79	73	68	66	66	64	58	73	12.0
	0.375	73	78	72	67	64	65	63	55	72	10.8
800	0.250	76	82	79	72	70	70	68	63	77	15.1
	0.375	76	82	78	72	69	69	68	62	77	14.7
	0.500	75	80	76	71	68	67	66	59	75	13.4
900	0.250	78	85	83	76	73	72	71	66	81	18.5
	0.375	78	85	82	76	72	72	71	66	80	18.1
	0.500	78	84	82	75	72	71	70	65	80	17.4
1000	0.375	80	87	86	79	75	74	74	70	83	22
	0.500	80	87	86	79	75	74	73	69	83	21
	0.750	79	85	84	78	74	72	72	67	82	19.5
1100	0.500	82	89	90	82	78	76	76	72	86	25
	0.750	81	88	89	81	77	75	75	72	85	24
	1.000	80	87	87	80	77	74	74	70	84	22
1200	0.500	83	90	93	85	80	78	78	75	89	30
	0.750	83	90	92	84	80	77	78	75	88	29
	1.000	82	89	91	83	79	76	77	74	87	27
1300	0.500	85	92	96	88	81	80	81	78	91	35
	0.750	85	92	95	87	81	79	80	78	91	34
	1.000	85	92	95	87	81	79	80	77	90	33
	1.250	84	91	94	85	80	78	78	76	89	31
1350	1.000	85	93	96	88	82	80	81	79	92	35
	1.250	85	92	95	87	81	79	80	78	91	33
	1.500	84	91	94	86	81	78	79	77	90	31

9 DB/DBX

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
450	0.125	62	70	58	55	52	50	47	43	59	5.0
550	0.125	64	77	65	60	58	56	53	49	66	7.9
650	0.125	68	76	71	63	62	61	58	55	69	9.1
	0.250	67	76	70	62	61	59	56	52	68	8.6
750	0.125	71	77	75	67	66	65	62	59	73	11.2
	0.250	70	77	74	65	64	63	61	57	71	10.4
	0.375	69	76	73	64	63	60	58	54	70	9.3
850	0.125	74	79	78	70	68	67	66	62	75	13.4
	0.250	73	79	77	69	67	66	64	61	74	12.6
	0.500	71	77	74	66	64	62	59	55	71	10.2
950	0.125	76	81	80	71	70	70	69	65	78	15.7
	0.250	75	81	79	71	70	69	68	65	77	14.9
	0.500	75	81	77	69	67	67	65	61	75	13.0
1050	0.125	79	84	82	73	72	72	71	68	80	18.1
	0.250	78	83	81	72	71	71	70	67	79	17.4
	0.500	77	84	79	71	70	70	69	65	78	15.8
	0.750	75	82	75	68	66	65	64	59	74	12.9
1150	0.125	81	86	85	76	73	74	74	70	82	21
	0.250	80	85	84	76	73	73	73	70	82	20
	0.500	79	85	83	75	72	72	71	68	80	18.6
	0.750	78	85	80	73	70	70	69	65	78	16.8
1250	0.250	81	87	87	79	75	75	72	84	23	
	0.500	80	87	86	78	74	75	74	71	83	22
	0.750	80	87	84	77	72	73	72	69	82	20
	1.000	78	86	82	74	70	70	69	65	79	17.4
1350	1.250	79	86	84	76	71	71	70	66	80	18.5
1450	1.500	80	87	86	78	72	72	71	67	82	20

13 DB/DBX

RPM	SP	Sound Power re 10 ⁻¹² WATTS								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
400	0.125	70	67	61	62	59	55	51	44	64	6.2
	0.250	65	62	55	55	52	48	42	37	57	4.0
550	0.125	78	81	70	71	69	66	64	57	75	12.8
	0.250	77	80	68	69	67	64	60	54	72	11.3
700	0.125	82	87	81	76	76	74	71	66	82	19.5
	0.250	82	86	79	75	75	72	69	64	80	18.2
	0.375	81	86	78	74	73	70	67	62	79	17.0
850	0.500	80	85	77	72	72	68	65	59	77	15.4
	0.125	86	92	89	81	82	79	76	73	87	27
	0.250	86	91	88	80	81	78	75	71	86	25
950	0.500	85	90	87	78	79	76	73	69	85	23
	0.750	83	89	85	76	77	73	70	65	82	21
	0.125	89	95	96	85	86	84	81	78	92	37
1000	0.250	89	95	95	84	85	83	80	77	92	36
	0.500	88	95	95	83	84	82	78	75	90	33
	0.750	88	94	94	81	83	80	77	73	89	31
	1.000	86	93	93	80	81	78	75	71	88	28
1150	0.125	91	98	100	89	89	88	84	82	96	47
	0.250	91	98	100	89	88	87	84	81	96	46
	0.500	91	98	99	88	87	86	83	80	95	44
	0.750	90	97	99	87	87	85	81	79	94	42
	1.000	90	97	98	86	86	84	80	77	93	40
	1.250	89	96	98	85	85	82	79	75	92	38
1300	1.500	88	95	96	83	83	81	77	73	91	34
	1.250	92	99	101	91	88	87	84	80	96	49
	1.500	92	99	101	90	87	86	83	79	96	47
	1.750	91	98	100	89	86	85	81	77	95	43
2.000	90	96	99	88	85	84	80	75	94	40	

The sound power level ratings shown are in decibels, referred 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wi}A sound power levels for Installation Type B Free Inlet, Ducted Outlet. Ratings do not include the effects of duct end correction. The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B Free Inlet fan sone levels. Sound data is based on resilient mount ODP motors. Rigid mount TEFC and Explosion Proof motors may have higher sound levels.

15 DB/DBX

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wiA}	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
350	0.125	71	66	62	61	56	53	49	44	62	5.8
450	0.125	77	76	69	71	65	63	59	53	72	10.5
	0.250	77	75	66	68	61	58	54	49	69	8.7
550	0.125	82	83	76	77	71	69	66	60	78	15.3
	0.250	82	82	74	75	69	66	63	58	76	13.9
	0.375	81	82	72	73	66	63	60	55	74	12.6
650	0.125	85	88	82	80	77	73	71	66	83	21
	0.250	84	87	81	79	76	72	69	64	82	19.3
	0.500	85	86	79	76	72	68	65	60	79	17.1
750	0.125	88	92	88	83	82	77	75	71	87	26
	0.250	87	91	87	82	81	76	74	69	86	25
	0.500	88	91	85	80	79	73	71	67	84	23
	0.750	86	90	84	78	76	70	68	63	82	21
850	0.125	90	96	92	85	86	80	79	75	91	33
	0.250	90	95	92	85	86	80	78	74	90	31
	0.500	89	94	91	83	84	78	76	72	89	29
	0.750	90	95	90	82	82	76	73	69	87	28
	1.000	88	93	89	81	81	73	70	67	86	25
950	0.125	93	99	96	88	90	83	82	78	94	40
	0.250	92	98	96	87	89	83	81	77	94	39
	0.500	91	97	95	86	88	81	80	76	93	36
	0.750	92	98	94	85	87	80	78	74	91	35
	1.000	92	98	94	84	85	78	76	72	90	33
1050	0.750	93	99	98	89	90	84	81	78	95	42
	1.000	94	100	97	87	89	82	80	76	94	41
	1.500	92	99	97	86	87	79	76	73	92	37
1150	1.750	94	100	99	90	89	83	79	76	95	43
	2.000	93	99	99	89	88	81	77	74	94	41

18 DB/DBX

RPM	SP	Sound Power re 10 ⁻¹² WATTS								L _{wiA}	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
300	0.125	76	74	72	63	61	59	55	49	68	8.9
325	0.125	79	78	74	66	63	62	58	52	71	10.2
350	0.125	80	81	75	68	66	64	61	55	73	12.3
375	0.125	82	84	76	71	68	66	63	57	75	14.5
400	0.125	84	87	78	73	70	68	65	59	77	16.6
425	0.250	85	87	79	73	69	68	65	60	78	16.7
450	0.250	86	89	81	76	71	70	67	62	80	18.8
475	0.250	87	90	83	79	73	71	69	64	82	21
500	0.250	88	92	86	82	75	73	71	66	84	23
	0.375	88	90	85	81	73	72	69	64	83	22
525	0.250	88	93	88	84	76	74	72	67	86	25
	0.375	88	92	87	83	75	73	71	66	85	24
550	0.250	89	94	90	86	78	75	73	69	87	28
	0.375	89	94	89	85	77	75	72	68	87	26
575	0.250	90	96	92	88	79	77	75	70	89	30
	0.375	90	95	91	88	78	76	74	70	88	29
600	0.375	91	96	93	88	80	77	75	71	90	31
	0.500	91	95	92	88	79	76	74	70	89	30
625	0.375	91	97	94	89	81	78	76	73	91	33
	0.500	91	97	93	89	80	78	76	72	90	32
650	0.375	92	98	96	90	82	79	77	74	92	36
	0.500	92	98	95	90	81	79	77	73	91	35
675	0.375	93	99	98	91	83	80	78	75	93	40
	0.500	93	99	97	90	82	80	78	75	93	38
700	0.375	93	100	99	91	84	81	79	76	94	43
	0.500	93	100	99	91	84	81	79	76	94	41
725	0.500	94	101	100	92	85	82	80	77	95	44
	0.750	94	100	98	91	83	81	79	76	94	41

The sound power level ratings shown are in decibels, referred 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wiA} sound power levels for Installation Type B Free Inlet, Ducted Outlet. Ratings do not include the effects of duct end correction. The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B Free Inlet fan sone levels. Sound data is based on resilient mount ODP motors. Rigid mount TEFC and Explosion Proof motors may have higher sound levels.

100 SDB

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
900	0.250	68	65	63	60	55	50	45	39	61	5.2
1150	0.250	74	74	71	67	63	58	52	48	69	8.5
	0.375	73	74	70	66	62	57	52	47	68	8.3
1400	0.250	78	81	76	72	69	64	59	54	75	12.5
	0.375	78	81	75	72	69	63	58	53	74	12.3
1650	0.500	78	81	75	72	68	63	58	53	74	12.2
	0.250	82	86	81	77	74	69	64	59	80	16.8
1900	0.500	81	86	80	77	73	68	63	58	79	16.4
	0.750	80	85	80	76	73	68	63	57	79	16.1
1900	0.250	84	89	86	81	78	74	68	63	84	21
	0.500	84	89	85	81	77	73	68	62	83	21
	0.750	83	89	85	81	77	72	67	62	83	20
	1.000	83	88	85	81	77	72	67	62	83	20.0
2150	1.250	82	88	85	80	76	72	67	61	83	19.7
	0.250	86	92	90	85	81	77	72	67	87	26
	0.500	86	92	90	85	80	77	71	66	87	26
	0.750	86	91	90	85	80	76	71	66	87	25
	1.000	86	91	89	85	80	76	70	65	87	25
	1.250	85	91	89	84	80	76	70	65	87	25
2400	1.500	84	91	89	84	80	76	70	65	86	24
	0.500	88	94	94	89	83	80	75	70	91	32
	0.750	88	94	93	89	83	80	75	69	90	31
	1.000	88	94	93	88	83	79	74	69	90	31
	1.250	87	94	93	88	83	79	74	69	90	31
2.000	87	93	93	88	83	79	74	68	90	30	
2.000	86	93	93	87	82	79	73	68	90	30	

135 SDB

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
900	0.250	77	75	71	66	63	60	57	54	70	9.4
1050	0.250	82	80	77	70	68	65	61	58	75	13.0
	0.375	82	80	76	69	67	64	61	58	74	12.4
1200	0.500	82	79	76	68	67	64	61	57	73	12.1
	0.375	86	84	82	73	71	68	64	61	78	16.3
1350	0.500	86	84	81	72	71	67	64	61	77	15.7
	0.375	88	88	85	78	75	72	68	65	82	20
1500	0.500	88	88	84	77	74	71	67	64	81	19.6
	0.750	88	87	83	76	73	70	67	64	80	19.0
1650	0.500	89	91	88	81	77	74	71	67	85	24
	0.750	89	91	87	80	76	73	70	67	84	23
1800	1.000	90	90	87	80	75	73	70	67	83	23
	0.500	91	94	91	85	80	77	74	70	88	28
	0.750	91	94	90	84	79	76	73	69	87	27
	1.000	91	93	89	84	78	76	72	69	86	27
1950	1.250	91	93	89	83	77	75	72	69	86	26
	0.750	93	96	93	88	81	79	76	72	90	32
	1.000	93	96	92	87	81	79	75	72	90	31
2100	1.250	93	96	92	87	80	78	75	72	89	31
	0.750	94	99	95	91	84	82	78	74	93	37
	1.000	94	99	95	91	83	81	77	74	92	37
	1.250	94	99	95	90	82	81	77	74	92	36
2100	1.500	94	98	94	89	82	80	77	74	91	36
	1.250	95	101	97	93	85	83	79	76	94	42
	1.500	95	101	97	92	84	82	79	76	94	41
2.000	95	101	96	92	83	82	79	76	94	41	

120 SDB

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
800	0.250	63	64	59	57	55	49	44	39	60	4.6
1050	0.250	72	72	70	65	63	59	53	48	68	8.2
	0.375	72	71	70	64	62	58	52	47	68	7.9
1300	0.500	72	71	70	64	61	57	52	47	67	7.8
	0.250	78	78	78	70	69	66	60	55	75	12.6
1550	0.500	78	77	77	69	68	65	59	54	74	12.0
	0.750	78	77	77	69	67	64	58	53	73	11.7
1800	0.250	82	83	81	75	74	72	66	61	80	16.7
	0.500	83	82	81	75	73	71	65	60	79	16.1
	0.750	83	82	81	74	72	70	64	59	78	15.6
	1.000	84	82	81	74	71	69	63	58	78	15.3
2050	0.250	84	87	86	81	78	76	71	65	84	22
	0.500	85	87	85	81	77	75	70	65	84	21
	0.750	85	87	85	80	76	74	69	64	83	21
	1.000	86	86	85	80	76	74	69	63	83	20
	1.250	86	86	85	80	75	73	68	63	82	19.9
2300	1.500	86	86	85	80	75	73	68	62	82	19.7
	0.250	86	90	89	86	81	79	75	69	88	27
	0.500	87	90	89	86	80	79	74	69	88	26
	0.750	87	90	89	86	80	78	74	68	87	26
	1.000	88	90	88	85	79	78	73	68	87	25
2300	1.250	88	90	88	85	79	77	73	67	87	25
	1.500	88	90	88	85	79	77	72	67	86	25
	0.750	89	94	92	90	83	81	78	72	91	32
	1.000	89	94	92	90	83	81	77	71	91	32
2300	1.250	90	94	92	90	82	81	77	71	90	31
	1.500	90	94	91	90	82	80	76	71	90	31
	2.000	90	94	91	89	81	79	76	70	90	31

150 SDB

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
800	0.250	77	73	72	66	64	62	57	51	70	9.5
950	0.375	76	72	71	65	63	61	56	49	69	8.8
	0.250	83	79	78	70	69	67	63	56	75	13.4
1100	0.375	83	78	78	70	68	66	62	56	75	13.1
	0.500	83	77	77	69	67	66	62	55	74	12.4
1250	0.375	86	84	81	75	72	71	67	61	79	16.8
	0.500	86	83	81	75	72	70	66	60	79	16.5
1400	0.750	85	82	79	74	71	69	65	59	78	15.3
	0.500	88	88	83	79	75	74	70	65	82	21
1550	0.750	88	87	83	79	74	73	70	64	82	19.8
	1.000	87	86	81	78	74	72	69	63	81	18.9
1700	0.500	90	92	87	83	78	77	74	68	86	25
	0.750	90	91	86	83	78	76	73	68	85	25
	1.000	90	91	85	82	77	75	73	67	85	24
	1.250	89	90	85	82	77	75	72	66	84	23
1850	0.750	92	95	90	87	81	79	76	71	89	30
	1.000	92	95	89	87	80	78	76	71	88	29
	1.250	92	94	88	86	79	78	76	71	88	29
2000	1.500	91	94	88	85	79	77	75	70	87	28
	0.750	94	98	92	90	83	82	79	75	92	36
	1.000	94	98	92	90	83	81	79	74	91	35
	1.250	94	98	91	90	82	80	78	74	91	35
2000	1.500	94	98	91	89	82	80	78	74	90	34
	1.000	95	101	95	93	85	84	81	77	94	42
	1.250	95	101	94	93	85	83	81	77	94	41
2000	1.500	95	101	94	92	84	82	81	76	93	41
	2.000	95	100	93	91	84	82	80	76	93	39
2000	2.500	96	102	95	93	86	84	82	78	95	44

The sound power level ratings shown are in decibels, referred 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wi}A sound power levels for Installation Type B Free Inlet, Ducted Outlet. Ratings do not include the effects of duct end correction. The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B Free Inlet fan sone levels. Sound data is based on resilient mount ODP motors. Rigid mount TEFC and Explosion Proof motors may have higher sound levels.

180 SDB

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
500	0.250	67	64	60	58	57	51	46	40	61	5.2
700	0.250	79	75	74	69	68	64	58	52	73	10.7
	0.375	78	73	72	68	66	63	57	51	71	9.8
	0.500	77	72	70	66	65	62	55	50	70	9.0
900	0.250	88	86	83	77	75	73	67	61	81	18.7
	0.375	87	85	82	76	74	72	66	60	80	17.5
	0.500	86	84	80	75	73	72	65	59	79	16.6
	0.750	84	82	78	73	71	70	63	58	77	14.9
1100	1.000	87	81	74	70	68	68	62	58	75	13.6
	0.375	91	91	87	83	80	78	73	67	86	25
	0.500	91	91	86	82	79	77	72	66	86	24
	0.750	90	90	84	81	78	76	71	65	84	23
	1.000	89	89	83	80	77	76	70	64	83	21
1300	1.250	89	88	81	78	75	74	69	63	82	20
	1.500	91	88	79	75	73	73	68	63	80	19.6
	0.500	94	96	91	89	84	82	78	72	91	33
	0.750	93	96	89	87	83	81	77	71	90	32
	1.000	93	95	88	86	82	81	77	70	89	30
1500	1.250	92	94	87	85	81	80	76	70	88	29
	1.500	91	93	86	84	80	79	75	69	87	27
	2.000	93	94	83	81	78	77	74	68	85	26
	0.750	96	100	95	93	87	85	82	76	95	43
	1.000	96	100	94	92	87	85	82	75	94	41
1700	1.250	95	99	94	91	86	84	81	75	93	39
	1.500	95	99	93	90	85	84	81	74	93	38
	2.000	94	97	92	89	84	82	80	73	91	35
	2.500	95	98	90	86	82	81	78	72	90	34
	3.000	98	99	88	83	79	79	77	72	89	34
1700	2.000	97	102	98	94	88	86	85	78	96	47
	2.500	96	101	97	93	87	85	84	77	95	44
	3.000	96	101	96	91	86	84	83	76	94	43

245 SDB

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
400	0.250	68	64	65	62	58	51	48	45	63	6.0
550	0.250	80	79	74	72	69	63	59	57	74	11.9
	0.375	79	78	73	71	67	62	57	55	73	11.1
	0.500	79	77	72	71	66	61	56	53	72	10.4
700	0.250	89	87	80	80	76	72	66	65	82	19.5
	0.375	88	86	79	79	75	71	65	63	81	18.6
	0.500	87	86	78	79	75	70	64	62	80	17.7
	0.750	87	85	77	78	73	69	62	59	79	16.5
850	0.250	95	92	86	85	82	78	72	70	87	27
	0.375	94	92	86	84	81	78	71	69	87	26
	0.500	94	91	85	84	81	77	70	68	86	25
	0.750	92	90	84	83	80	76	69	67	85	24
	1.000	92	90	84	83	79	75	68	65	85	23
1000	1.250	92	89	83	82	78	74	67	64	84	22
	0.250	98	98	93	89	86	83	77	74	92	37
	0.375	98	97	93	88	86	83	77	74	92	36
	0.500	97	97	93	88	86	82	76	73	91	35
	0.750	96	96	92	88	85	81	75	72	91	33
1150	1.000	95	96	91	87	84	81	74	71	90	32
	1.250	95	95	91	87	84	80	74	70	90	31
	1.500	95	95	90	86	83	79	73	69	89	30
	0.250	101	102	99	92	90	87	82	78	96	48
	0.375	100	102	99	92	90	87	82	77	96	48
1150	0.500	100	102	99	91	90	86	81	77	96	47
	0.750	100	102	98	91	89	86	81	76	95	45
	1.000	99	101	98	91	89	85	80	75	95	44
	1.250	98	100	97	90	88	85	79	74	94	42
	1.500	97	100	97	90	88	84	78	73	94	41
1150	2.000	97	99	96	89	87	83	78	72	93	39
	2.500	97	99	95	88	86	82	77	71	93	38

210 SDB

RPM	SP	Sound Power re 10 ⁻¹² Watts								L _{wi} A	Sones
		Octave Bands									
		1	2	3	4	5	6	7	8		
400	0.250	69	62	60	58	54	50	47	49	60	5.4
600	0.250	83	80	69	72	67	64	57	57	73	12.0
	0.375	83	79	68	72	66	63	56	57	73	11.4
	0.500	82	78	68	71	65	63	56	57	72	10.9
800	0.250	89	89	81	78	76	72	67	64	81	20
	0.375	88	89	80	77	75	72	66	63	81	19.8
	0.500	88	89	80	77	75	71	66	63	81	19.4
	0.750	88	87	79	77	74	70	65	63	80	18.5
1000	1.000	87	87	78	76	73	69	65	62	79	17.6
	0.250	93	96	90	82	83	78	74	69	88	30
	0.375	93	96	90	82	82	78	74	69	88	30
	0.500	92	96	89	81	82	78	74	69	88	29
	0.750	92	95	89	81	82	77	73	68	87	28
	1.000	92	95	88	81	81	76	73	68	87	27
1200	1.250	92	94	87	80	81	76	72	68	86	27
	1.500	91	94	86	80	80	75	72	67	85	26
	0.250	96	102	97	85	88	83	81	74	94	42
	0.375	96	101	97	85	88	83	80	73	94	41
	0.500	96	101	97	85	88	83	80	73	93	41
	0.750	96	101	97	84	87	82	79	73	93	40
	1.000	95	101	96	84	87	82	79	72	93	39
	1.250	95	100	96	84	87	81	79	72	92	38
1200	1.500	95	100	95	84	87	81	78	72	92	38
	2.000	95	100	94	83	86	80	78	71	91	36
	2.500	94	99	93	82	85	78	77	71	90	35

The sound power level ratings shown are in decibels, referred 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wi}A sound power levels for Installation Type B Free Inlet, Ducted Outlet. Ratings do not include the effects of duct end correction. The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B Free Inlet fan sone levels. Sound data is based on resilient mount ODP motors. Rigid mount TEFC and Explosion Proof motors may have higher sound levels.



LOREN COOK COMPANY

2015 E. DALE STREET
SPRINGFIELD, MO 65803-4637
417.869.6474
FAX 417.862.3820
lorencook.com