

DB Downblast Centrifugal Roof Exhausters

Belt Drive

Catalog DB01-July 2007



The World's Leading Producer of
Air Movement Products



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

Soler&Palau
Ventilation Group

COMMERCIAL PRODUCT LINE

Application

Model DB belt drive units are roof mounted centrifugal exhausters rated from 230 to over 28,000 CFM, with static pressure capabilities to 1-1/4". They are used for the exhaust of relatively clean air from a wide range of commercial, industrial and institutional environments such as manufacturing and assembly plants, office buildings, schools, hospitals, restaurants, athletic facilities and many others.

Soler & Palau USA covers the DB with a 5 year warranty and a 1 year motor warranty. The nonoverloading backward inclined wheel with its higher static pressure capability makes this unit suitable for either ducted or nonducted applications. Its roof mounting permits location near the area to be ventilated, allowing short duct runs and more efficient operation.

The aluminum exterior provides an attractive appearance. Belt drive results in lower operating RPM and sound levels, making the Model DB well suited to applications where quiet operation is important. Belt drive also permits easy performance adjustments when needed to balance the total ventilation system.

Construction/Specification Checklist

Housing

- Curb cap with integral deep spun inlet for efficient performance.
- Heavy-gauge aluminum for extra strength.
- Designed for maximum weather protection and attractive appearance.
- Heavy-gauge motor support for rigidity and strength.
- Neoprene isolators for reduction of vibration and sound.
- Cover easily removed for quick access to motor compartment.
- Water tight conduit tube for easy electrical connection from below roof.
- Aluminum birdscreen and disconnect are included on standard models (Disconnect not included with explosion proof or two speed units).
- Stainless steel fasteners on exterior.

Centrifugal Wheel

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

Motors

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

Drives

- Sized for minimum 150% of drive horsepower.
- Machined cast iron adjustable motor pulleys.
- Adjustable base for belt tensioning.
- Non-static oil resistant V-Belts.

Bearings

- Heavy duty ball bearing type.
- Pre-lubricated and permanently sealed.
- 5 year warranty.

AMCA Seal

- Assures accuracy of Air and Sound Performance.
- Computerized Selection Program.
- Allows best selection for your job requirement.

cULus Label

- cULus 705 listing assures electrical safety and reliability.
- cULus 705 must be specified when required.

Options/Accessories

Roof Curb: Prefabricated insulated heavy-gauge galvanized steel welded construction, 12" high with 1-1/2" wood nailer. Assures perfect fit of exhauster to roof curb. Options include burglar bars, single and double pitch construction and additional curb heights.

Sound Curb: Option of thermal acoustical lining or a complete maximum sound attenuating baffle system. Provision for mounting damper is available. Contact factory for information regarding effect on exhauster air performance and sound level.

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

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

Companion Gravity Units: Model RCX-II comes in a wide range of sizes and air capacities to provide relief or intake air to the system. Curbs and dampers are available to fit all sizes. Spun aluminum hoods provide a pleasing appearance, complementing the Model DB exhauster.

Epoxy Finish: For use in an alkaline type atmosphere (not for use in acetic and nitric acids). Epoxy forms an excellent hard, heavy film barrier against chemical attack as well as physical damage from direct impact and abrasion.

Special Coatings: Heresite and Eisenheiss are available when specified.

Optisizer Selection Program

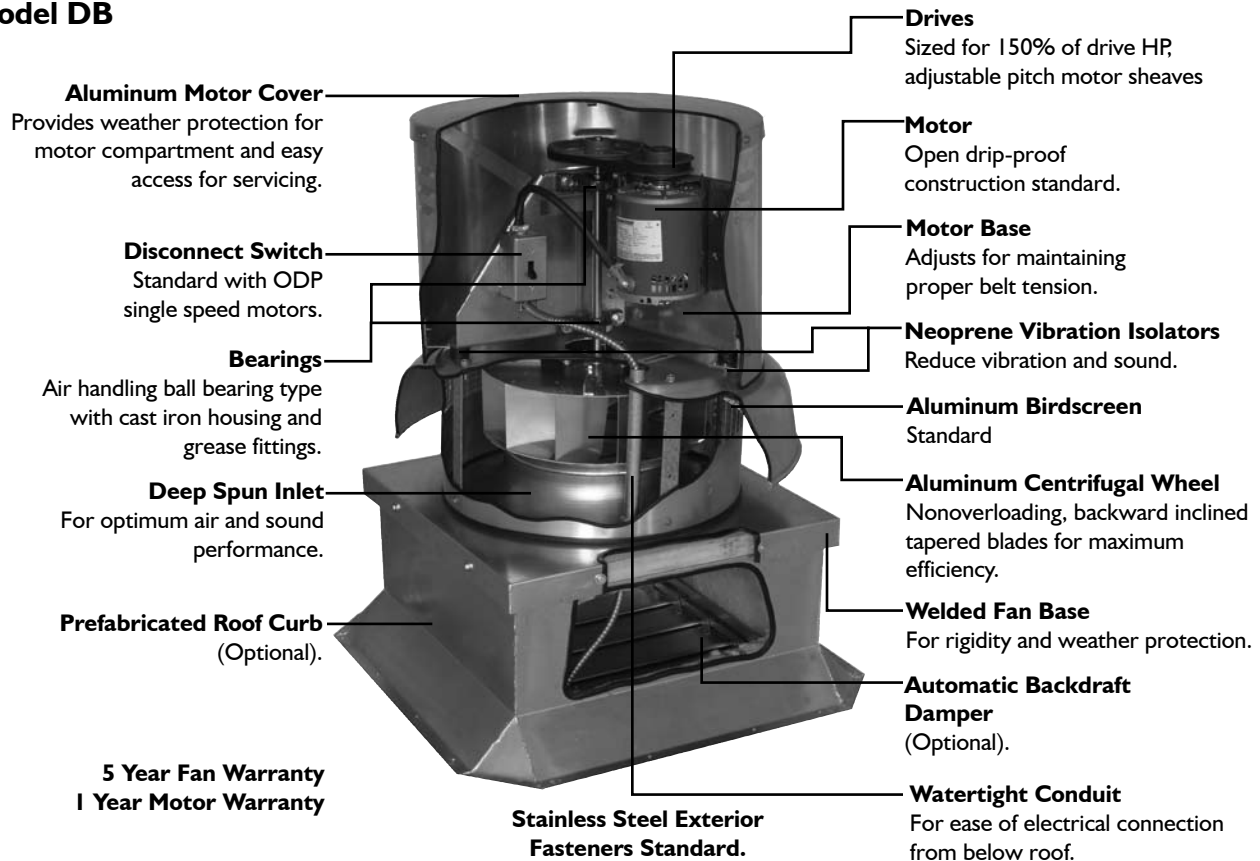
Please refer to Soler & Palau USA's Optisizer Program for fan curve, submittal information and other details of the DB series and other S&P products. Contact your representative or factory for a copy. Visit Soler & Palau's website for additional information: www.solerpalau-usa.com.

Quickship Program

Most DB Models and many optional accessories are available on the Quickship Program. This program provides rapid delivery of standard products so that tight project deadlines can be met and downtime on replacement work can be held to a minimum.

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

Model DB



Typical Specifications

Roof exhauster fan shall be centrifugal belt drive type. Unit shall be constructed of aluminum for durability and appearance. Fan skirts shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent against snow and rain entry into the building. Birdscreen and wind band shall be integral, all aluminum and easily removable. Fan wheels shall be of the centrifugal backward inclined type, constructed of all aluminum (galvanized backplate not acceptable) and containing a matching inlet venturi for optimum unit performance. Wheels shall be statically and dynamically balanced. Motor assembly shall be isolated from unit to eliminate vibration and noise transmission. Exterior fasteners shall be stainless steel.

Motor and wheel assemblies shall be removable as a complete module without complete disassembly of the unit for service and maintenance. Motors shall be mounted out of the exhaust airstream and cooled by air isolated from the exhaust. Fan shafts shall be precision ground and polished. Shafts should not be pressed onto bearings. Bearings shall be of the one-piece, cast-iron, pillow block type with zerk fittings. Bearings shall be designed for service with a minimum L50 life in excess of 200,000 hours.

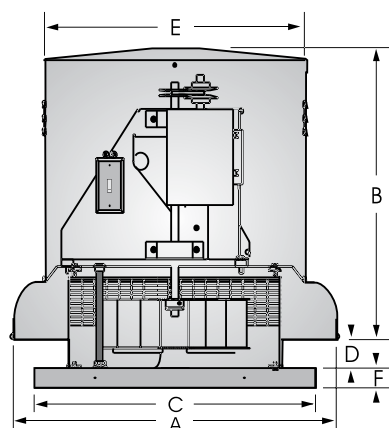
Drive support assembly shall be constructed of heavy-gauge galvanized steel and contain no welding. Drives shall be sized for a minimum of 150% of driven horsepower. Machined, cast-iron motor sheaves shall be adjustable for final system balance. Fans shall be Model DB as manufactured by **Soler & Palau USA**, Jacksonville, Florida.

SOLER & PALAU USA LIMITED WARRANTY

Soler & Palau USA (manufacturer), 6393 Powers Avenue, Jacksonville, Florida 32217, warrants the DB to be free from defects in design, materials and workmanship (exclusive of abrasion, corrosion or erosion) for five (5) years from the date of shipment to the original purchaser or the date of notification of readiness to ship. Motor warranty is one (1) year. In order to claim the benefit of this warranty, buyer must notify manufacturer in writing of the claimed defect within ten (10) days after discovering it and return this equipment or parts to the factory with transportation prepaid. In the event of on-site repair, no service technician will be dispatched until manufacturer receives your written purchase order. If any of the following conditions exist, the warranty will be null and void: (1) Buyer has permitted other persons not approved or authorized by manufacturer to alter, adjust, replace or repair the equipment or any part thereof. (2) Buyer has not followed instructions or other directions given in the contract documents or our maintenance manual. (3) When breakage or other loss or damage is the result of any negligence, misuse or fault on the part of any operator or other person not under our supervision or control. (4) The defect is the result of designs or drawings made, furnished or specified by others. (5) In the case of goods not manufactured but supplied by the manufacturer as part of a contract, manufacturer shall only be liable to the same extent that our supplier is to manufacturer, not to exceed any liability manufacturer would have for warranty on our own equipment. (6) Buyer has not paid in full any invoices submitted to buyer which are due for payment. (7) Unusual wear and tear of the equipment. Statements relating to the product, its use or installation made prior to the execution of the agreement, are not warranties except to the extent that the contrary is expressly set forth herein. It is understood that such statements were not intended to, and did not, form a part of the agreement; they were merely made in the course of negotiations of the parties. **THIS WARRANTY IS IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. OUR SOLE AND EXCLUSIVE OBLIGATION UNDER THIS WARRANTY IS TO REPAIR OR REPLACE DEFECTIVE EQUIPMENT OR PARTS OR, AT OUR OPTION, TO PAY THE REASONABLE COST OF REPAIR OR REPLACEMENT. BUYER AGREES THAT NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES, DAMAGES FOR LOST PROFITS OR SALES, OR DAMAGES FOR INJURIES TO PERSON OR PROPERTY) SHALL BE AVAILABLE. NOTWITHSTANDING THE ABOVE, THE TOTAL AMOUNT THAT MAY IN ANY EVENT BE PAYABLE IN SETTLEMENT OF LIABILITY, HOWEVER INCURRED, SHALL NOT EXCEED THE CONTRACT PRICE.**



Performance/Dimensional Data



Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
11	11-1/2	14-3/4	20-1/2	17-1/2	16-1/2	3-1/2	16-1/8	1-3/4	43	80

SIZE 6

DB6

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
230 .01/1.3	108 .01/0.7	-	-	-	-	-	-	-	-	601	DP1	700	1/4	2058
246 .02/1.7	140 .02/1.1	-	-	-	-	-	-	-	-	602		750	1/4	2205
263 .02/2.1	166 .02/1.5	-	-	-	-	-	-	-	-	603		800	1/4	2352
279 .02/2.5	190 .02/1.9	-	-	-	-	-	-	-	-	604		850	1/4	2500
295 .03/2.9	213 .03/2.3	-	-	-	-	-	-	-	-	605		900	1/4	2647
312 .03/3.3	236 .03/2.8	122 .03/2.2	-	-	-	-	-	-	-	606	DP2	950	1/4	2794
328 .04/3.6	257 .04/3.1	160 .04/2.6	-	-	-	-	-	-	-	607		1000	1/4	2941
345 .04/4.0	278 .04/3.5	192 .04/3.0	-	-	-	-	-	-	-	608		1050	1/4	3088
361 .05/4.3	298 .05/3.8	219 .05/3.4	-	-	-	-	-	-	-	609		1100	1/4	3235
377 .06/4.7	318 .06/4.2	244 .06/3.8	137 .05/3.3	-	-	-	-	-	-	610		1150	1/4	3382
394 .06/5.2	337 .06/4.7	268 .07/4.3	178 .06/3.8	-	-	-	-	-	-	611	DP3	1200	1/4	3529
410 .07/5.6	356 .07/5.2	291 .07/4.8	213 .07/4.3	-	-	-	-	-	-	612		1250	1/4	3676
427 .08/6.1	375 .08/5.6	314 .08/5.2	243 .08/4.8	131 .07/4.3	-	-	-	-	-	613		1300	1/4	3823
443 .09/6.5	394 .09/6.1	336 .09/5.7	269 .09/5.3	178 .09/4.8	-	-	-	-	-	614		1350	1/4	3970
459 .10/7.0	412 .10/6.6	358 .10/6.2	295 .10/5.8	217 .10/5.3	-	-	-	-	-	615		1400	1/4	4117
476 .11/7.5	431 .11/7.1	379 .11/6.7	319 .11/6.3	250 .11/5.8	143 .10/5.4	-	-	-	-	616	DP4	1450	1/4	4264
492 .12/8.0	449 .12/7.6	399 .13/7.2	342 .13/6.8	279 .13/6.4	191 .12/6.0	-	-	-	-	617		1500	1/4	4411
509 .13/8.5	467 .14/8.1	420 .14/7.7	365 .14/7.3	307 .14/6.9	231 .13/6.5	115 .12/6.1	-	-	-	618		1550	1/4	4558
525 .15/9.0	485 .15/8.6	439 .15/8.2	388 .15/7.9	332 .15/7.5	266 .15/7.0	169 .14/6.6	-	-	-	619		1600	1/4	4705
541 .16/9.6	503 .17/9.2	459 .17/8.8	410 .17/8.4	356 .17/8.0	297 .17/7.6	215 .16/7.2	-	-	-	620		1650	1/4	4852
558 .18/10.1	521 .18/9.7	478 .18/9.4	432 .18/9.0	380 .18/8.6	325 .18/8.2	255 .18/7.8	153 .16/7.4	-	-	621	DP5	1700	1/4	4999
574 .19/10.7	539 .20/10.3	497 .20/9.9	453 .20/9.6	403 .20/9.2	352 .20/8.8	289 .20/8.4	203 .19/8.0	-	-	622		1750	1/4	5146

Power Ratings (BHP) does not include drive losses.

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

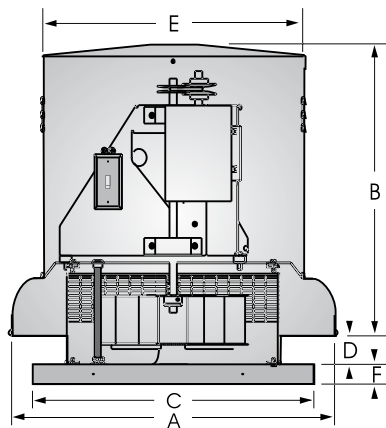
Performance ratings include the effects of birdscreen in the airstream.

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



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
11	11-1/2	14-3/4	20 -1/2	17-1/2	16-1/2	3-1/2	16-1/8	1-3/4	42	80

SIZE 8

	CFM / BHP @ Static Pressure / Sones										Drive Range	RPM	HP	Tip Speed	
	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4					Catalog Number
DB8	478 .01/1.9	-	-	-	-	-	-	-	-	-	801	DP1	650	1/4	1911
	508 .01/2.2	252 .02/1.2	-	-	-	-	-	-	-	-	802		690	1/4	2029
	552 .02/2.8	338 .02/1.7	-	-	-	-	-	-	-	-	803		750	1/4	2205
	596 .02/3.3	408 .03/2.2	-	-	-	-	-	-	-	-	804		810	1/4	2382
	640 .03/3.8	470 .03/2.8	-	-	-	-	-	-	-	-	805		870	1/4	2558
	684 .04/4.4	528 .04/3.4	266 .04/2.7	-	-	-	-	-	-	-	806		930	1/4	2735
	728 .04/4.9	586 .05/4.0	380 .05/3.2	-	-	-	-	-	-	-	807		990	1/4	2911
	772 .05/5.4	643 .06/4.5	465 .06/3.8	-	-	-	-	-	-	-	808		1050	1/4	3088
	816 .06/5.9	696 .07/5.2	538 .07/4.4	249 .06/3.8	-	-	-	-	-	-	809		1110	1/4	3264
	861 .07/6.5	747 .08/5.8	604 .08/5.1	391 .08/4.4	-	-	-	-	-	-	810		1170	1/4	3441
	905 .08/7.0	798 .09/6.4	664 .10/5.8	492 .09/5.1	-	-	-	-	-	-	811	1230	1/4	3617	
	949 .09/7.6	847 .10/7.0	723 .11/6.4	575 .11/5.8	312 .10/5.1	-	-	-	-	-	812	1290	1/4	3793	
	993 .11/8.3	896 .12/7.6	781 .12/7.1	648 .13/6.5	450 .12/5.8	-	-	-	-	-	813	1350	1/4	3970	
	1037 .12/8.9	945 .13/8.3	839 .14/7.7	715 .14/7.2	553 .14/6.5	249 .12/6.0	-	-	-	-	814	1410	1/4	4146	
	1081 .14/9.5	994 .15/9.0	895 .16/8.4	777 .16/7.8	638 .16/7.2	420 .15/6.7	-	-	-	-	815	1470	1/4	4323	
	1125 .16/10.3	1041 .17/9.6	949 .18/9.1	837 .18/8.6	714 .18/8.0	542 .18/7.4	-	-	-	-	816	1530	1/4	4499	
	1170 .18/11.0	1089 .19/10.4	1001 .20/9.8	895 .20/9.3	783 .21/8.7	639 .20/8.1	409 .18/7.5	-	-	-	817	1590	1/4	4676	
	1214 .20/11.7	1136 .21/11.1	1053 .22/10.6	953 .23/10.0	849 .23/9.5	722 .23/8.9	545 .22/8.3	-	-	-	818	1650	1/4	4852	
	1250 .22/12.4	1176 .23/11.8	1095 .24/11.2	1002 .25/10.7	900 .25/10.2	785 .25/9.5	634 .25/8.9	394 .22/8.4	-	-	819	1700	1/4	4999	
	1295 .24/13.1	1223 .25/12.6	1145 .26/12.0	1059 .27/11.4	960 .28/10.9	856 .28/10.4	726 .28/9.7	543 .26/9.2	-	-	820	1760	1/3	5175	
	1339 .27/13.9	1269 .28/13.3	1195 .29/12.8	1114 .30/12.3	1018 .31/11.7	922 .31/11.2	807 .31/10.6	658 .30/10.0	429 .27/9.5	-	821	1820	1/3	5352	
	1375 .29/14.5	1308 .30/14.0	1236 .32/13.4	1159 .32/13.0	1066 .33/12.5	975 .33/12.0	870 .33/11.3	739 .33/10.7	555 .31/10.2	-	822	1870	1/3	5499	

Power Ratings (BHP) does not include drive losses.

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

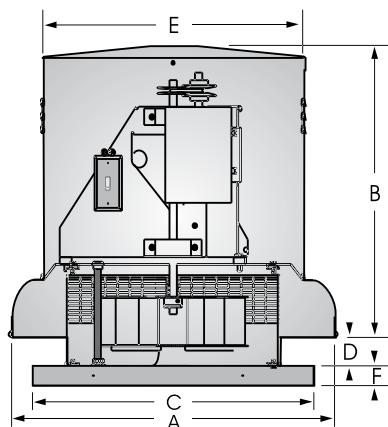
Performance ratings include the effects of birdscreen in the airstream.

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



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
11	11-1/2	14-3/4	20 -1/2	17-1/2	16-1/2	3-1/2	16-1/8	1-3/4	44	80

SIZE 9

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
694 .04/3.8	467 .03/2.6	-	-	-	-	-	-	-	-	901	DP6	710	1/4	2277
734 .04/4.3	525 .04/3.1	-	-	-	-	-	-	-	-	902		750	1/4	2405
773 .05/4.8	580 .05/3.6	-	-	-	-	-	-	-	-	903		790	1/4	2534
812 .06/5.4	633 .05/4.2	360 .05/3.5	-	-	-	-	-	-	-	904		830	1/4	2662
851 .06/5.9	683 .06/4.8	439 .05/4.0	-	-	-	-	-	-	-	905		870	1/4	2790
890 .07/6.5	733 .07/5.5	511 .07/4.6	-	-	-	-	-	-	-	906		910	1/4	2918
929 .08/7.0	781 .08/6.1	577 .08/5.1	-	-	-	-	-	-	-	907		950	1/4	3047
968 .10/7.6	828 .09/6.7	640 .09/5.9	-	-	-	-	-	-	-	908		990	1/4	3175
1007 .11/8.2	874 .10/7.4	699 .10/6.5	469 .09/6.0	-	-	-	-	-	-	909		1030	1/4	3303
1046 .12/8.8	919 .12/8.1	756 .11/7.3	546 .10/6.5	-	-	-	-	-	-	910	DP7	1070	1/4	3432
1086 .13/9.5	964 .13/8.9	811 .13/8.0	618 .12/7.2	-	-	-	-	-	-	911		1110	1/4	3560
1125 .15/10.2	1008 .15/9.6	864 .14/8.8	685 .13/8.0	-	-	-	-	-	-	912		1150	1/4	3688
1164 .17/10.9	1052 .16/10.3	916 .16/9.6	749 .15/8.8	543 .14/8.2	-	-	-	-	-	913		1190	1/4	3816
1203 .18/11.6	1096 .18/11.1	966 .18/10.4	810 .17/9.7	621 .16/8.8	-	-	-	-	-	914		1230	1/4	3945
1242 .20/12.2	1139 .20/11.7	1015 .19/11.1	868 .19/10.4	693 .18/9.6	-	-	-	-	-	915		1270	1/4	4073
1281 .22/12.7	1182 .22/12.2	1064 .21/11.7	925 .21/11.0	761 .20/10.2	565 .18/9.8	-	-	-	-	916		1310	1/4	4201
1320 .24/13.2	1224 .24/12.8	1112 .23/12.2	980 .23/11.6	827 .22/10.8	646 .20/10.2	-	-	-	-	917		1350	1/4	4330
1359 .26/13.8	1267 .26/13.4	1159 .26/12.9	1034 .25/12.2	889 .24/11.5	721 .23/10.7	-	-	-	-	918	DP8	1390	1/4	4458
1389 .28/14.2	1298 .28/13.8	1193 .27/13.3	1073 .27/12.7	935 .26/11.9	775 .25/11.2	587 .22/11.0	-	-	-	919		1420	1/4	4554
1438 .31/14.9	1351 .31/14.5	1251 .30/14.1	1137 .30/13.4	1008 .29/12.8	860 .28/12.0	690 .26/11.6	-	-	-	920		1470	1/3	4714
1477 .34/15.5	1393 .33/15.1	1296 .33/14.7	1188 .33/14.0	1065 .32/13.5	925 .31/12.7	767 .29/12.1	-	-	-	921		1510	1/3	4843
1516 .37/16.2	1434 .36/15.7	1341 .36/15.3	1237 .35/14.7	1120 .35/14.2	988 .34/13.5	839 .32/12.7	669 .29/12.6	-	-	922		1550	1/3	4971

Power Ratings (BHP) does not include drive losses.

Performance certified for installation type A - free inlet, free outlet.

Performance ratings include the effects of birdscreen in the airstream.

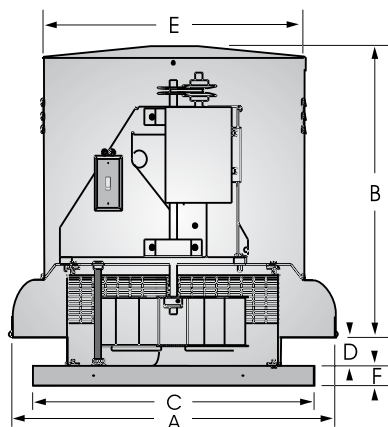
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UL STANDARD 705



Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
18	19-1/2	22-1/4	28-3/8	23	24	3-1/2	22-1/2	2	64	130

SIZE 11

DB11

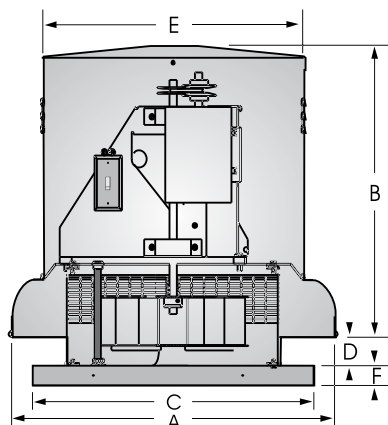
CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
734 .02/3.1	479 .02/2.3	-	-	-	-	-	-	-	-	1101	DPI1	690	1/4	2275
804 .03/3.7	575 .03/2.9	-	-	-	-	-	-	-	-	1102		755	1/4	2489
873 .03/4.4	669 .04/3.6	399 .04/3.4	-	-	-	-	-	-	-	1103		820	1/4	2703
942 .04/5.1	758 .05/4.3	528 .05/4.0	-	-	-	-	-	-	-	1104		885	1/4	2918
1011 .05/5.8	843 .06/5.0	637 .06/4.6	353 .06/4.7	-	-	-	-	-	-	1105		950	1/4	3132
1080 .06/6.5	924 .07/5.7	736 .07/5.2	513 .07/5.2	-	-	-	-	-	-	1106		1015	1/4	3346
1150 .07/7.1	1004 .08/6.4	831 .09/5.8	640 .09/5.8	355 .08/5.9	-	-	-	-	-	1107	DPI2	1080	1/4	3561
1219 .09/7.8	1083 .10/7.1	925 .10/6.5	751 .11/6.4	532 .10/6.5	-	-	-	-	-	1108		1145	1/4	3775
1288 .10/8.5	1160 .11/7.8	1015 .12/7.3	852 .13/7.1	669 .12/7.1	405 .11/7.2	-	-	-	-	1109		1210	1/4	3989
1357 .12/9.2	1236 .13/8.6	1102 .14/8.0	948 .15/7.7	788 .15/7.8	582 .14/7.8	-	-	-	-	1110		1275	1/4	4203
1426 .14/9.9	1312 .15/9.3	1187 .16/8.8	1043 .17/8.4	896 .17/8.4	723 .17/8.5	489 .15/8.6	-	-	-	1111		1340	1/4	4418
1495 .16/10.7	1387 .17/10.1	1269 .18/9.6	1137 .19/9.2	995 .20/9.1	845 .20/9.3	657 .19/9.3	388 .16/9.3	-	-	1112		1405	1/4	4632
1565 .19/11.5	1461 .20/11.0	1350 .21/10.4	1227 .22/10.0	1092 .22/9.8	956 .23/9.9	796 .22/10.0	591 .21/10.0	-	-	1113	DPI3	1470	1/4	4846
1634 .21/12.5	1535 .22/11.9	1430 .23/11.4	1315 .25/10.8	1187 .25/10.6	1059 .26/10.7	918 .26/10.8	749 .25/10.8	527 .23/10.9	-	1114		1535	1/4	5061
1687 .23/13.2	1591 .25/12.6	1490 .26/12.0	1381 .27/11.6	1259 .28/11.2	1134 .28/11.2	1005 .29/11.3	854 .28/11.4	668 .27/11.5	-	1115		1585	1/3	5225
1740 .26/13.9	1648 .27/13.4	1550 .28/12.9	1446 .29/12.3	1330 .30/11.9	1208 .31/11.8	1087 .31/11.9	950 .31/12.0	788 .30/12.1	-	1116		1635	1/3	5390
1793 .20/14.6	1704 .29/14.0	1609 .30/13.5	1510 .32/13.0	1400 .33/12.7	1281 .34/12.5	1165 .34/12.6	1039 .34/12.7	894 .34/12.7	485 .28/12.9	1117		1685	1/3	5555
1847 .31/15.3	1760 .32/14.8	1668 .33/14.2	1573 .35/13.7	1468 .36/13.4	1354 .36/13.1	1240 .37/13.2	1124 .37/13.3	992 .37/13.4	645 .34/13.5	1118		1735	1/2	5720
1900 .34/16.1	1816 .35/15.5	1727 .36/15.0	1635 .37/14.5	1535 .39/14.1	1426 .39/13.8	1314 .40/13.8	1204 .41/13.8	1083 .41/13.9	779 .38/14.2	1119	DPI4	1785	1/2	5885
1953 .36/16.9	1871 .38/16.3	1785 .39/15.7	1696 .40/15.2	1601 .42/14.9	1497 .43/14.6	1388 .43/14.4	1281 .44/14.5	1168 .44/14.6	896 .43/14.8	1120		1835	1/2	6050
2006 .40/17.7	1927 .41/17.1	1843 .42/16.6	1757 .43/16.0	1666 .45/15.6	1567 .46/15.3	1461 .47/15.1	1356 .48/15.2	1251 .48/15.3	1002 .47/15.6	1121		1885	1/2	6214
2060 .43/18.5	1982 .44/17.9	1901 .45/17.3	1817 .47/16.8	1730 .48/16.4	1635 .49/16.0	1533 .50/15.7	1430 .50/15.8	1329 .52/15.9	1100 .51/16.1	1122		1935	1/2	6380

Power Ratings (BHP) does not include drive losses.
Performance certified for installation type A - free inlet, free outlet.
Performance ratings include the effects of birdscreen in the airstream.
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for free inlet fan sone levels.



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
18	19-1/2	22-1/4	28-3/8	23	24	3-1/2	22-1/2	2	65	130

SIZE 12

DB12

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
959 .03/3.7	692 .03/3.0	-	-	-	-	-	-	-	-	1201	DPI5	640	1/4	2371
1034 .03/4.3	792 .04/3.8	399 .04/2.8	-	-	-	-	-	-	-	1202		690	1/4	2556
1109 .04/5.0	889 .05/4.5	576 .05/3.5	-	-	-	-	-	-	-	1203		740	1/4	2742
1184 .05/5.7	982 .06/5.2	719 .06/4.2	-	-	-	-	-	-	-	1204		790	1/4	2927
1259 .06/6.4	1072 .07/5.9	839 .08/5.1	467 .07/4.2	-	-	-	-	-	-	1205		840	1/4	3112
1334 .07/7.0	1159 .08/6.6	947 .09/6.0	653 .09/4.9	-	-	-	-	-	-	1206		890	1/4	3297
1409 .08/7.6	1244 .09/7.2	1049 .10/6.8	805 .11/5.8	390 .08/4.9	-	-	-	-	-	1207		940	1/4	3483
1484 .10/8.3	1329 .11/7.9	1148 .12/7.5	937 .13/6.6	621 .12/5.7	-	-	-	-	-	1208		990	1/4	3668
1559 .11/9.0	1412 .13/8.6	1244 .14/8.3	1052 .14/7.5	794 .14/6.6	369 .11/5.8	-	-	-	-	1209		1040	1/4	3853
1634 .13/9.7	1494 .14/9.3	1339 .16/9.0	1160 .16/8.5	943 .17/7.5	627 .15/6.6	-	-	-	-	1210		1090	1/4	4038
1709 .15/10.4	1576 .16/10.1	1430 .18/9.8	1262 .19/9.5	1075 .19/8.4	813 .18/7.5	409 .14/6.7	-	-	-	1211	DPI6	1140	1/4	4224
1784 .17/11.2	1657 .18/10.9	1519 .20/10.6	1362 .21/10.3	1191 .22/9.4	971 .22/8.4	669 .19/7.6	-	-	-	1212		1190	1/4	4409
1859 .19/12.0	1737 .21/11.7	1607 .22/11.4	1459 .24/11.1	1300 .24/10.5	1113 .25/9.4	861 .24/8.5	495 .19/7.8	-	-	1213		1240	1/4	4594
1919 .21/12.7	1801 .23/12.3	1676 .24/12.1	1536 .26/11.8	1383 .27/11.4	1215 .27/10.3	992 .27/9.3	699 .24/8.5	-	-	1214		1280	1/4	4742
1979 .23/13.2	1865 .25/13.1	1744 .26/12.7	1611 .28/12.5	1465 .29/12.2	1308 .30/11.2	1112 .30/10.2	861 .28/9.3	495 .22/8.6	-	1215		1320	1/3	4891
2039 .25/13.9	1929 .27/13.6	1812 .29/13.5	1686 .30/13.1	1545 .32/12.9	1397 .32/12.1	1223 .33/11.0	999 .31/10.1	709 .28/9.3	-	1216		1360	1/3	5039
2084 .27/14.4	1976 .29/14.1	1862 .30/13.9	1740 .32/13.7	1603 .33/13.4	1461 .34/12.8	1301 .35/11.7	1094 .34/10.8	839 .32/9.9	-	1217		1390	1/3	5150
2159 .30/15.2	2055 .32/15.0	1946 .34/14.8	1830 .35/14.5	1701 .37/14.4	1565 .38/14.0	1419 .38/12.9	1242 .38/11.9	1022 .37/11.1	-	1218		1440	1/2	5335
2219 .33/15.9	2118 .35/15.7	2012 .36/15.5	1900 .38/15.3	1777 .40/15.1	1646 .41/15.0	1509 .42/13.9	1350 .42/12.9	1151 .41/12.0	579 .32/10.3	1219		1480	1/2	5483
2279 .35/16.7	2181 .37/16.4	2078 .39/16.2	1970 .41/16.0	1853 .43/15.8	1726 .44/15.7	1595 .45/14.8	1451 .45/13.9	1272 .45/13.0	791 .39/11.3	1220		1520	1/2	5632
2339 .38/17.4	2243 .40/17.2	2144 .42/17.0	2039 .44/16.8	1927 .46/16.6	1804 .47/16.4	1679 .48/15.9	1544 .49/14.8	1385 .49/13.8	961 .45/12.2	1221	DPI7	1560	1/2	5780
2399 .41/18.1	2306 .43/17.9	2209 .45/17.8	2108 .47/17.6	2001 .49/17.4	1882 .51/17.2	1760 .52/16.9	1633 .52/15.9	1489 .53/14.8	1109 .50/13.1	1222		1600	1/2	5928

Power Ratings (BHP) does not include drive losses.

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

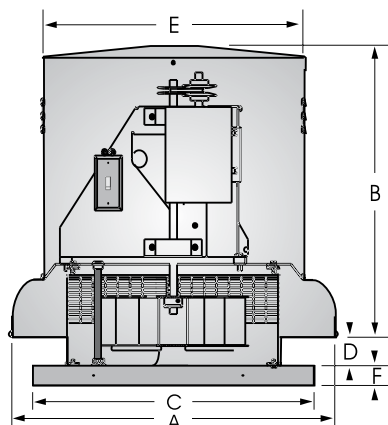
Performance ratings include the effects of birdscreens in the airstream.

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



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
18	19-1/2	22-1/4	28-3/8	23	24	3-1/2	22-1/2	2	71	140

SIZE 14

DB14

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
996 .02/2.3	514 .02/1.2	-	-	-	-	-	-	-	-	1401	DP20	435	1/4	1732
1088 .03/2.9	710 .03/1.9	-	-	-	-	-	-	-	-	1402		475	1/4	1891
1203 .04/3.6	901 .04/2.7	-	-	-	-	-	-	-	-	1403		525	1/4	2090
1317 .05/4.3	1060 .05/3.6	-	-	-	-	-	-	-	-	1404		575	1/4	2289
1432 .06/5.0	1206 .07/4.5	791 .06/3.4	-	-	-	-	-	-	-	1405		625	1/4	2488
1546 .08/5.9	1343 .08/5.4	1018 .08/4.3	-	-	-	-	-	-	-	1406		675	1/4	2687
1661 .10/6.7	1475 .10/6.2	1213 .10/5.3	-	-	-	-	-	-	-	1407		725	1/4	2886
1775 .12/7.4	1604 .13/7.0	1381 .13/6.3	1017 .11/5.3	-	-	-	-	-	-	1408		775	1/4	3085
1890 .15/8.2	1731 .15/7.8	1535 .15/7.3	1240 .14/6.3	-	-	-	-	-	-	1409		825	1/4	3284
2004 .18/9.0	1857 .18/8.6	1680 .18/8.2	1439 .18/7.2	1065 .16/6.4	-	-	-	-	-	1410	DP23	875	1/4	3483
2119 .21/9.9	1981 .21/9.5	1819 .22/9.1	1613 .21/8.3	1311 .20/7.4	-	-	-	-	-	1411		925	1/4	3682
2233 .24/10.9	2103 .25/10.4	1953 .25/10.0	1773 .25/9.4	1525 .24/8.5	1168 .22/7.7	-	-	-	-	1412		975	1/4	3881
2348 .28/11.8	2225 .29/11.4	2085 .29/11.0	1923 .29/10.5	1714 .29/9.6	1425 .27/8.8	-	-	-	-	1413		1025	1/3	4080
2462 .33/12.8	2346 .33/12.4	2215 .34/12.0	2067 .34/11.7	1885 .34/10.7	1642 .32/9.9	-	-	-	-	1414		1075	1/3	4279
2577 .37/13.7	2466 .38/13.4	2343 .39/13.1	2206 .39/12.6	2044 .39/12.0	1840 .38/11.1	1571 .36/10.3	-	-	-	1415		1125	1/2	4478
2692 .42/14.8	2586 .43/14.5	2470 .44/14.1	2341 .44/13.7	2195 .44/13.2	2018 .44/12.3	1788 .42/11.5	1510 .39/10.8	-	-	1416		1175	1/2	4677
2806 .48/15.9	2705 .49/15.5	2595 .50/15.2	2474 .50/14.8	2340 .50/14.4	2183 .50/13.6	1988 .49/12.8	1740 .46/12.0	1408 .42/11.3	-	1417	DP25	1225	1/2	4876
2886 .52/16.7	2788 .53/16.3	2682 .54/15.9	2566 .55/15.6	2439 .55/15.2	2292 .54/14.5	2116 .54/13.7	1893 .52/12.9	1633 .48/12.2	-	1418		1260	3/4	5016
2978 .57/17.6	2883 .58/17.2	2781 .59/16.8	2670 .60/16.5	2550 .60/16.1	2414 .60/15.5	2254 .59/14.7	2058 .58/13.9	1818 .55/13.3	-	1419		1300	3/4	5175
3092 .64/18.7	3001 .65/18.3	2904 .66/18.0	2799 .67/17.6	2685 .67/17.3	2560 .67/16.9	2417 .67/16.0	2247 .66/15.3	2036 .64/14.5	-	1420		1350	3/4	5374
3150 .68/19.3	3060 .69/19.0	2965 .70/18.6	2862 .71/18.6	2752 .71/17.8	2632 .71/17.5	2495 .71/16.7	2335 .70/16.0	2141 .68/15.2	1621 .60/13.9	1421		1375	3/4	5473
3207 .72/19.9	3119 .73/19.6	3026 .74/19.2	2926 .74/18.8	2819 .75/18.5	2703 .75/18.1	2572 .75/17.4	2420 .74/16.6	2240 .72/15.9	1782 .66/14.5	1422		1400	3/4	5573

Power Ratings (BHP) does not include drive losses.

Performance certified for installation type A - free inlet, free outlet.

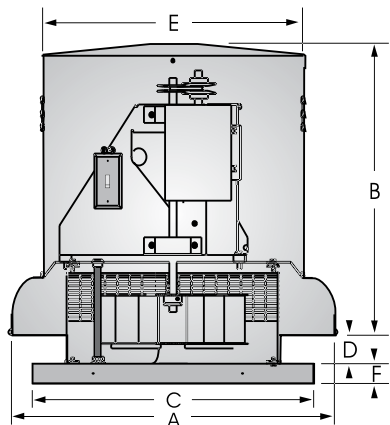
Performance ratings include the effects of birdscreen in the airstream.

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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
18	19-1/2	22-1/4	32-1/4	24	24	6	26-1/4	2-1/2	79	145

SIZE 16

DB16

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
1578 .04/2.9	851 .04/1.8	-	-	-	-	-	-	-	-	1601	DP26	425	1/4	2030
1726 .05/3.6	1118 .05/2.6	-	-	-	-	-	-	-	-	1602		465	1/4	2221
1875 .06/4.3	1338 .07/3.3	-	-	-	-	-	-	-	-	1603		505	1/4	2413
2023 .07/5.0	1540 .08/4.1	-	-	-	-	-	-	-	-	1604		545	1/4	2604
2172 .09/5.8	1733 .10/4.9	1065 .10/4.0	-	-	-	-	-	-	-	1605		585	1/4	2795
2320 .11/6.5	1918 .12/5.7	1378 .12/4.8	-	-	-	-	-	-	-	1606		625	1/4	2986
2469 .13/7.2	2098 .15/6.4	1624 .15/5.6	-	-	-	-	-	-	-	1607		665	1/4	3177
2617 .16/8.0	2273 .17/7.2	1844 .18/6.4	1188 .17/6.2	-	-	-	-	-	-	1608		705	1/4	3368
2766 .19/8.7	2444 .20/7.9	2050 .21/7.2	1543 .21/6.5	-	-	-	-	-	-	1609		745	1/4	3559
2914 .22/9.5	2612 .24/8.7	2248 .25/8.0	1814 .25/7.4	984 .20/7.2	-	-	-	-	-	1610		785	1/4	3750
2970 .23/9.8	2674 .25/9.0	2320 .26/8.3	1905 .26/7.7	1205 .23/7.5	-	-	-	-	-	1611	DP29	800	1/4	3822
3063 .26/10.3	2776 .27/9.5	2440 .29/8.8	2049 .29/8.2	1484 .27/7.7	-	-	-	-	-	1612		825	1/3	3941
3137 .28/10.7	2857 .29/10.0	2533 .31/9.2	2159 .31/8.6	1663 .30/8.1	-	-	-	-	-	1613		845	1/3	4037
3230 .30/11.2	2958 .32/10.4	2649 .33/9.8	2293 .34/9.1	1853 .34/8.6	965 .25/8.5	-	-	-	-	1614		870	1/3	4156
3341 .33/11.9	3079 .35/11.1	2786 .37/10.4	2448 .38/9.8	2054 .37/9.3	1417 .33/9.1	-	-	-	-	1615		900	1/2	4300
3453 .37/12.5	3198 .39/11.8	2920 .40/11.1	2599 .42/10.5	2236 .42/9.9	1731 .40/9.6	-	-	-	-	1616		930	1/2	4430
3564 .40/13.2	3318 .43/12.5	3053 .44/11.8	2746 .46/11.1	2407 .46/10.7	1979 .45/10.2	1181 .36/9.9	-	-	-	1617		960	1/2	4586
3712 .46/14.0	3476 .48/13.4	3228 .50/12.7	2939 .51/12.1	2623 .52/11.5	2256 .51/11.2	1712 .48/11.0	-	-	-	1618		1000	1/2	4778
3935 .54/15.5	3711 .57/14.8	3484 .59/14.1	3219 .60/13.6	2932 .62/13.1	2617 .62/12.6	2230 .60/13.0	1615 .54/12.8	-	-	1619	DP31	1060	3/4	5064
4047 .59/16.2	3829 .62/15.6	3610 .65/15.0	3356 .65/14.3	3081 .67/13.8	2783 .67/13.4	2436 .66/13.6	1950 .63/14.4	1021 .45/14.2	-	1620		1090	3/4	5207
4158 .64/17.0	3946 .67/16.4	3734 .69/15.8	3492 .71/15.2	3227 .72/14.6	2943 .73/14.2	2626 .72/14.3	2217 .70/15.1	1542 .60/14.9	-	1621		1120	3/4	5351
4288 .70/17.9	4082 .73/17.3	3878 .75/16.7	3648 .77/16.2	3395 .79/15.7	3125 .79/15.1	2831 .79/15.0	2480 .78/15.9	1980 .73/15.9	-	1622		1155	3/4	5518

Power Ratings (BHP) does not include drive losses.

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

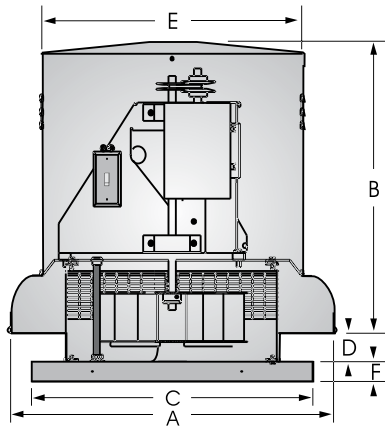
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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
24	24-3/4	27-3/4	32-1/4	24	29-1/2	4-1/2	26-1/4	2-1/2	96	160

SIZE 18

DB18

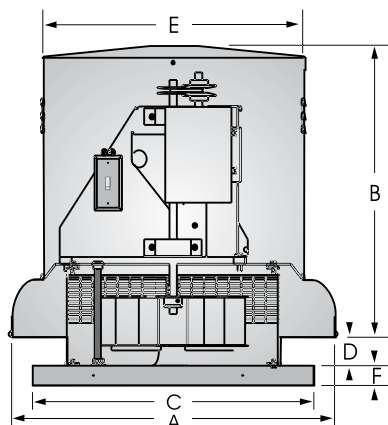
CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
2031 .09/6.4	1663 .10/5.4	1054 .08/5.6	-	-	-	-	-	-	-	1801	DP32	535	1/4	2556
2202 .12/7.3	1874 .12/6.4	1395 .11/6.6	-	-	-	-	-	-	-	1802		580	1/4	2771
2372 .15/8.3	2077 .15/7.4	1679 .15/6.5	-	-	-	-	-	-	-	1803		625	1/4	2986
2543 .18/9.4	2274 .19/8.5	1924 .19/7.6	1431 .17/7.8	-	-	-	-	-	-	1804		670	1/4	3201
2714 .22/10.5	2465 .23/9.6	2151 .23/8.7	1740 .22/9.0	-	-	-	-	-	-	1805		715	1/4	3416
2885 .26/11.5	2653 .27/10.6	2369 .27/9.8	2024 .27/9.0	1531 .24/8.8	-	-	-	-	-	1806		760	1/3	3631
3056 .31/12.5	2838 .32/11.6	2579 .33/10.8	2274 .32/10.0	1873 .30/9.8	-	-	-	-	-	1807		805	1/3	3846
3226 .37/13.4	3022 .38/12.7	2785 .38/11.8	2507 .38/11.1	2168 .37/11.0	1715 .34/10.8	-	-	-	-	1808		850	1/2	4061
3397 .43/14.3	3204 .44/13.6	2986 .45/13.0	2729 .45/12.3	2437 .44/11.5	2061 .42/11.3	-	-	-	-	1809		895	1/2	4276
3568 .50/15.5	3385 .51/14.7	3183 .52/14.0	2944 .52/13.4	2681 .51/12.9	2358 .50/12.8	1965 .46/12.6	-	-	-	1810		940	1/2	4491
3739 .58/16.7	3564 .59/16.0	3375 .60/15.3	3155 .60/14.6	2912 .59/14.0	2635 .58/13.5	2288 .56/13.3	1676 .47/13.1	-	-	1811	DP35	985	3/4	4706
3910 .66/17.9	3743 .67/17.2	3565 .68/16.6	3361 .68/15.9	3135 .68/15.3	2886 .67/14.7	2585 .65/14.4	2235 .62/14.1	-	-	1812		1030	3/4	4921
4080 .75/19.1	3922 .76/18.5	3752 .77/17.8	3563 .78/17.2	3351 .77/16.6	3123 .77/16.0	2863 .76/15.5	2544 .73/15.3	2167 .68/15.1	-	1813		1075	3/4	5136
4251 .85/21	4099 .86/19.8	3938 .87/19.1	3762 .88/18.6	3562 .88/18.0	3350 .87/17.4	3117 .86/16.9	2840 .84/16.5	2524 .81/16.1	-	1814		1120	1	5351
4422 .95/22	4276 .97/21	4123 .98/21	3957 .99/19.9	3770 .99/19.3	3570 .98/18.8	3356 .98/18.2	3115 .96/17.7	2824 .93/17.3	-	1815		1165	1	5566
4593 1.07/23	4452 1.08/23	4306 1.10/22	4149 1.10/21	3975 1.11/21	3784 1.10/20	3585 1.10/19.6	3368 1.09/19.1	3116 1.07/18.7	2508 .99/18.5	1816		1210	1-1/2	5781
4764 1.19/25	4628 1.21/24	4488 1.22/23	4339 1.23/23	4176 1.23/22	3995 1.23/22	3808 1.23/21	3607 1.22/21	3386 1.21/20	2841 1.14/19.7	1817		1255	1-1/2	5996
4935 1.32/26	4804 1.34/25	4669 1.36/25	4527 1.37/24	4373 1.37/24	4204 1.37/23	4025 1.37/23	3837 1.36/22	3635 1.35/22	3140 1.29/21	1818		1300	1-1/2	6211
5105 1.47/28	4979 1.48/27	4849 1.50/26	4713 1.51/26	4569 1.52/25	4408 1.52/25	4237 1.52/24	4061 1.51/24	3873 1.50/23	3434 1.46/22	1819		1345	1-1/2	6426
5276 1.62/29	5154 1.64/29	5029 1.65/28	4898 1.67/27	4761 1.67/27	4610 1.68/26	4447 1.68/26	4279 1.67/25	4104 1.67/25	3709 1.63/24	1820	DP37	1390	2	6641
5447 1.78/31	5329 1.80/30	5208 1.82/30	5082 1.83/29	4951 1.84/28	4809 1.84/28	4655 1.85/27	4493 1.84/27	4327 1.84/26	3964 1.81/25	1821		1435	2	6856
5618 1.95/32	5504 1.97/32	5386 1.99/31	5265 2.01/31	5139 2.02/30	5005 2.02/29	4859 2.02/29	4704 2.02/28	4546 2.02/28	4206 2.00/27	1822		1480	2	7071

Power Ratings (BHP) does not include drive losses.
 Performance certified for installation type A - free inlet, free outlet.
 Performance ratings include the effects of birdscreen in the airstream.
 The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for free inlet fan sone levels.



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
24	24-3/4	27-3/4	36-3/4	24-1/2	29-1/2	4-1/2	26-1/4	2-1/2	98	215

SIZE 20

DB20

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
2357 .09/5.4	1936 .10/3.9	1151 .09/3.7	-	-	-	-	-	-	-	2001	DP41	440	1/4	2460
2571 .12/6.2	2200 .13/4.8	1617 .12/4.6	-	-	-	-	-	-	-	2002		480	1/4	2683
2785 .15/7.0	2455 .16/5.8	1982 .16/5.1	1098 .13/4.7	-	-	-	-	-	-	2003		520	1/4	2907
3000 .19/7.9	2701 .20/7.0	2302 .21/6.2	1681 .19/5.9	-	-	-	-	-	-	2004		560	1/4	3130
3214 .23/9.1	2939 .25/8.2	2586 .25/7.3	2098 .25/6.9	1259 .20/6.0	-	-	-	-	-	2005		600	1/4	3354
3401 .28/9.7	3144 .29/8.8	2822 .30/8.2	2412 .30/7.5	1799 .27/7.2	-	-	-	-	-	2006		635	1/3	3550
3562 .32/10.2	3318 .33/9.4	3021 .34/8.7	2658 .35/8.2	2145 .33/8.3	1281 .26/7.8	-	-	-	-	2007		665	1/3	3717
3750 .37/10.8	3520 .38/10.1	3248 .40/9.4	2923 .40/9.0	2490 .39/8.5	1880 .35/8.2	-	-	-	-	2008		700	1/2	3913
3910 .42/11.6	3691 .43/10.6	3438 .45/10.0	3134 .46/9.6	2757 .45/9.2	2251 .42/8.9	1438 .35/8.7	-	-	-	2009		730	1/2	4081
4071 .47/12.3	3861 .49/11.2	3625 .51/10.7	3338 .51/10.2	3007 .52/9.9	2567 .50/9.5	1963 .45/9.3	-	-	-	2010		760	1/2	4248
4285 .55/13.2	4087 .57/12.3	3868 .59/11.7	3604 .60/11.2	3315 .60/10.9	2942 .59/10.5	2469 .56/10.4	1784 .49/10.3	-	-	2011	DP42	800	3/4	4472
4500 .64/14.1	4311 .66/13.4	4106 .67/13.0	3866 .69/12.5	3599 .70/12.0	3283 .70/11.6	2886 .67/11.3	2379 .62/11.1	1594 .52/10.8	-	2012		840	3/4	4696
4687 .72/14.9	4506 .74/14.4	4312 .76/13.9	4091 .78/13.5	3838 .79/13.2	3560 .79/12.7	3210 .78/12.4	2787 .74/12.3	2229 .68/10.9	-	2013		875	3/4	4891
4901 .82/16.2	4729 .84/15.7	4546 .86/15.2	4341 .88/14.7	4104 .90/14.3	3854 .90/14.0	3553 .90/13.6	3191 .88/13.4	2751 .83/12.9	-	2014		915	1	5115
5089 .92/17.3	4923 .94/16.8	4748 .96/16.4	4557 .98/15.9	4335 .100/15.5	4098 .101/15.1	3834 .101/14.7	3511 .100/14.4	3133 .96/13.9	2017 .80/13.0	2015		950	1	5311
5276 .103/18.4	5117 .105/17.9	4949 .107/17.5	4768 .109/17.1	4562 .111/16.7	4336 .112/16.3	4098 .112/15.9	3811 .112/15.5	3476 .110/15.4	2589 .98/15.1	2016		985	1	5506
5517 .117/19.9	5365 .120/19.4	5206 .122/19.0	5036 .124/18.5	4847 .126/18.1	4634 .128/17.8	4416 .128/17.4	4171 .128/17.1	3879 .128/16.8	3156 .119/16.7	2017		1030	1-1/2	5758
5705 .130/21	5558 .132/21	5405 .135/20	5242 .137/19.8	5065 .139/19.4	4865 .141/19.0	4655 .142/18.6	4434 .142/18.3	4173 .142/18.0	3532 .136/17.8	2018		1065	1-1/2	5953
5892 .143/22	5750 .145/22	5602 .148/22	5447 .150/21	5280 .153/21	5092 .155/20	4889 .156/19.9	4683 .156/19.5	4451 .156/19.2	3874 .153/19.1	2019		1100	1-1/2	6149
6107 .159/24	5970 .162/24	5828 .164/23	5679 .167/23	5521 .169/22	5346 .171/22	5154 .173/21	4985 .174/21	4751 .174/21	4236 .173/20	2020	DP43	1140	2	6373
6294 .174/25	6161 .177/25	6024 .180/24	5881 .182/24	5730 .185/24	5566 .187/23	5384 .189/23	5194 .190/22	4999 .191/22	4535 .190/21	2021		1175	2	6568
6482 .190/27	6353 .193/26	6220 .196/26	6082 .198/25	5937 .201/25	5782 .204/25	5610 .206/24	5426 .207/24	5241 .208/24	4821 .208/24	2022		1210	2	6764

Power Ratings (BHP) does not include drive losses.

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

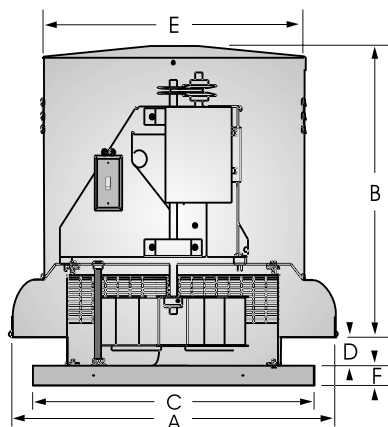
Performance ratings include the effects of birdscreen in the airstream.

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



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
30	30-3/4	33-3/4	41-1/4	26-1/2	35-3/4	8-1/2	30	2-1/2	155	290

SIZE 24

DB24

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
3286 .09/5.1	2405 .10/3.9	-	-	-	-	-	-	-	-	2401	DP45	330	1/4	2102
3634 .12/6.1	2914 .14/5.2	-	-	-	-	-	-	-	-	2402		365	1/4	2325
3983 .16/7.2	3364 .18/6.6	1948 .15/4.8	-	-	-	-	-	-	-	2403		400	1/4	2548
4480 .23/9.0	3949 .25/8.4	3090 .25/6.9	-	-	-	-	-	-	-	2404		450	1/4	2867
4680 .26/9.7	4176 .28/9.2	3453 .29/7.8	1852 .22/6.8	-	-	-	-	-	-	2405		470	1/3	2994
4879 .30/10.2	4400 .32/9.7	3751 .33/8.6	2388 .27/7.3	-	-	-	-	-	-	2406		490	1/3	3121
5376 .40/11.7	4952 .42/11.3	4436 .44/10.8	3483 .41/9.0	2055 .32/8.6	-	-	-	-	-	2407		540	1/2	3440
5576 .44/12.4	5169 .47/11.9	4688 .49/11.5	3972 .48/9.8	2614 .40/8.8	-	-	-	-	-	2408		560	1/2	3567
5874 .52/13.4	5493 .55/12.9	5048 .57/12.5	4447 .57/11.2	3296 .50/9.9	1791 .38/9.8	-	-	-	-	2409		590	3/4	3758
6073 .57/14.2	5706 .60/13.5	5282 .63/13.2	4735 .63/12.1	3702 .57/10.6	2487 .48/10.8	-	-	-	-	2410		610	3/4	3886
6422 .68/15.6	6078 .71/14.9	5683 .74/14.3	5219 .75/13.8	4557 .73/12.2	3374 .63/11.3	1906 .49/11.1	-	-	-	2411	DP46	645	3/4	4109
6770 .80/17.0	6447 .83/16.4	6077 .86/15.9	5670 .88/15.3	5117 .87/14.0	4097 .79/13.1	3051 .70/12.4	-	-	-	2412		680	1	4332
7069 .91/18.3	6761 .94/17.7	6412 .97/17.2	6033 .99/16.7	5549 1.00/15.5	4848 .96/14.6	3773 .85/14.0	2570 .72/13.8	-	-	2413		710	1	4523
7467 1.07/20	7177 1.10/19.5	6854 1.14/19.0	6502 1.16/18.5	6096 1.18/17.9	5566 1.17/16.7	4594 1.07/16.0	3685 .97/15.4	2423 .80/15.3	-	2414		750	1-1/2	4778
7816 1.22/22	7540 1.26/21	7235 1.30/21	6904 1.33/20	6545 1.35/19.7	6077 1.35/18.6	5479 1.32/17.8	4451 1.18/17.2	3518 1.07/16.6	-	2415		785	1-1/2	5000
8164 1.40/23	7902 1.43/23	7613 1.47/22	7299 1.51/22	6968 1.53/21	6567 1.54/21	6073 1.53/19.7	5180 1.42/19.0	4360 1.31/18.4	-	2416		820	1-1/2	5223
8513 1.58/25	8262 1.62/24	7988 1.66/24	7691 1.70/24	7380 1.73/23	7029 1.74/23	6587 1.74/22	6059 1.71/21	5077 1.56/20	3286 1.29/20	2417		855	2	5446
8961 1.85/27	8723 1.89/27	8467 1.93/26	8190 1.97/26	7899 2.00/26	7590 2.03/25	7218 2.04/24	6775 2.02/24	6180 1.97/23	4490 1.69/22	2418		900	2	5733
9210 2.00/28	8979 2.05/28	8731 2.09/28	8464 2.13/27	8182 2.17/27	7888 2.19/27	7550 2.21/26	7136 2.20/25	6665 2.18/25	5053 1.91/23	2419	DP47	925	3	5892
9558 2.24/30	9337 2.28/30	9099 2.33/29	8846 2.37/29	8576 2.41/28	8299 2.44/28	7998 2.47/28	7631 2.47/27	7211 2.46/26	5760 2.22/25	2420		960	3	6115
9757 2.38/31	9541 2.43/30	9309 2.47/30	9062 2.52/30	8800 2.56/29	8530 2.59/29	8243 2.62/29	7902 2.63/28	7503 2.62/27	6189 2.42/26	2421		980	3	6243
9956 2.53/31	9744 2.58/31	9518 2.63/31	9278 2.67/30	9023 2.71/30	8760 2.75/30	8483 2.78/30	8166 2.79/29	7789 2.79/28	6753 2.67/27	2422		1000	3	6370

Power Ratings (BHP) does not include drive losses.

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

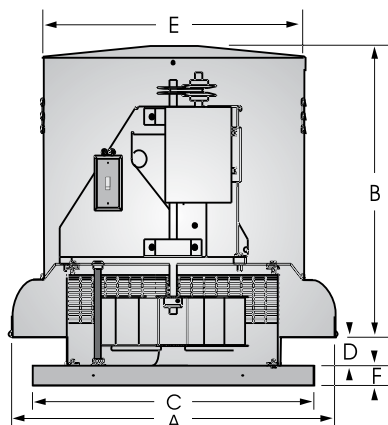
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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
36	37-1/4	40-3/4	58-3/8	37	42-1/2	5-1/2	41	2-1/2	265	465

SIZE 30

Performance/Dimensional Data

DB30

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
4068 .09/2.7	2456 .09/2.5	-	-	-	-	-	-	-	-	3001	DP53	235	1/3	1871
4588 .13/3.4	3300 .14/3.2	-	-	-	-	-	-	-	-	3002		265	1/3	2110
5107 .18/4.2	4015 .19/3.6	1930 .15/3.4	-	-	-	-	-	-	-	3003		295	1/3	2349
5626 .24/5.0	4681 .26/4.1	3220 .24/3.6	-	-	-	-	-	-	-	3004		325	1/3	2588
6146 .32/5.8	5311 .34/4.7	4149 .33/5.0	-	-	-	-	-	-	-	3005		355	1/3	2827
6665 .40/6.6	5916 .43/5.3	4921 .43/6.2	3455 .38/6.1	-	-	-	-	-	-	3006		385	1/2	3066
7098 .49/7.3	6406 .51/5.9	5512 .52/6.6	4350 .49/6.4	2246 .38/6.8	-	-	-	-	-	3007	DP54	410	1/2	3265
7531 .58/8.1	6888 .61/6.7	6081 .62/7.1	5087 .60/7.0	3601 .53/6.9	-	-	-	-	-	3008		435	3/4	3464
8050 .71/9.1	7456 .74/7.6	6735 .76/7.7	5866 .75/8.5	4743 .71/8.2	2961 .59/8.1	-	-	-	-	3009		465	3/4	3703
8483 .83/9.8	7925 .86/8.4	7262 .89/8.2	6468 .89/8.9	5528 .85/8.8	4179 .77/8.0	-	-	-	-	3010		490	1	3902
8916 .97/10.6	8388 1.00/9.2	7775 1.03/8.7	7047 1.03/9.4	6215 1.01/9.2	5132 .95/8.6	3571 .82/8.8	-	-	-	3011		515	1	4101
9608 1.21/12.0	9124 1.25/10.6	8574 1.30/9.5	7937 1.30/10.2	7213 1.28/11.0	6385 1.25/9.0	5286 1.17/8.9	3788 1.02/8.7	-	-	3012		555	1-1/2	4419
10214 1.46/13.2	9761 1.49/11.7	9257 1.55/10.6	8683 1.55/11.0	8030 1.55/11.7	7315 1.53/12.6	6472 1.48/12.4	5352 1.38/12.2	3860 1.21/21.6	-	3013	DP55	590	1-1/2	4698
10820 1.73/14.5	10395 1.77/13.1	9928 1.84/11.7	9405 1.84/11.7	8817 1.85/12.6	8171 1.84/13.3	7460 1.80/13.0	6604 1.74/12.8	5497 1.62/12.7	-	3014		625	2	4977
11339 1.99/15.6	10936 2.03/14.2	10496 2.07/13.1	10010 2.10/12.6	9469 2.13/13.2	8871 2.12/14.0	8231 2.10/14.8	7507 2.05/14.6	6617 196/14.0	4024 1.61/13.8	3015		655	2	5215
11859 2.28/16.7	11474 2.32/15.4	11058 2.36/14.3	10605 2.40/13.4	10104 2.43/14.0	9552 2.43/14.7	8960 2.42/15.4	8319 2.38/15.1	7584 2.32/14.7	5573 2.07/14.5	3016		685	3	5454
12378 2.59/17.9	12011 2.64/16.5	11617 2.68/15.4	11190 2.72/14.4	10724 2.75/14.8	10213 2.77/15.4	9660 2.76/16.1	9076 2.73/16.9	8434 2.69/16.8	6767 2.49/17.9	3017		715	3	5693
12897 2.93/19.1	12546 2.98/17.9	12171 3.02/16.7	11768 3.06/15.7	11332 3.10/15.6	10857 3.13/16.2	10343 3.13/16.9	9798 3.11/17.6	9220 3.07/18.5	7827 2.93/19.4	3018	DP56	745	3	5932
13330 3.24/20	12991 3.29/18.9	12630 3.33/17.8	12245 3.37/16.8	11831 3.41/16.4	11383 3.45/16.9	10899 3.46/17.6	10381 3.45/18.3	9841 3.42/19.1	8602 3.31/19.8	3019		770	5	6131
13936 3.70/22	13612 3.75/20	13270 3.84/19.4	12907 3.84/18.3	12520 3.88/17.4	12104 3.92/18.0	11657 3.95/18.6	11179 3.95/19.3	10676 3.93/19.9	9580 3.84/21	3020		805	5	6410
14542 4.20/23	14232 4.26/22	13907 4.31/21	13563 4.35/19.9	13199 4.40/19.0	12811 4.44/19.1	12396 4.48/19.6	11954 4.49/20	11485 4.48/21	10487 4.41/22	3021		840	5	6689
15148 4.75/24	14851 4.81/23	14540 4.86/22	14214 4.91/22	13871 4.96/21	13507 5.00/20	13120 5.04/21	12709 5.07/21	12273 5.08/22	11344 5.03/23	3022		875	5	6967

Power Ratings (BHP) does not include drive losses.

Performance certified for installation type A - free inlet, free outlet.

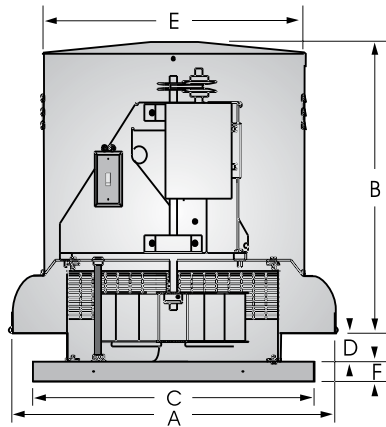
Performance ratings include the effects of birdscreen in the airstream.

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



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
36	37-1/4	40-3/4	58-3/8	37	42-1/2	10	41	2-1/2	275	475

SIZE 36

DB36	CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
DB36	5995 .16/3.9	3550 .14/3.0	-	-	-	-	-	-	-	-	3601	DF61 DF62 DF63 DF64 DF65 DF66 DF67	210	1/2	1945
	6708 .22/4.9	4887 .22/4.1	-	-	-	-	-	-	-	-	3602		235	1/2	2177
	7422 .30/5.9	5964 .31/5.2	-	-	-	-	-	-	-	-	3603		260	1/2	2408
	8136 .40/7.0	6868 .42/6.4	4443 .35/5.6	-	-	-	-	-	-	-	3604		285	1/2	2640
	8849 .51/8.2	7708 .53/7.7	5686 .48/6.8	-	-	-	-	-	-	-	3605		310	1/2	2871
	9420 .62/9.2	8361 .64/8.8	6793 .62/8.0	4157 .49/7.1	-	-	-	-	-	-	3606		330	3/4	3057
	10134 .77/10.1	9166 .80/9.7	7936 .80/9.1	5730 .68/8.3	-	-	-	-	-	-	3607		355	3/4	3288
	10562 .87/10.7	9646 .90/10.3	8521 .91/9.7	6450 .80/8.9	3321 .57/8.8	-	-	-	-	-	3608		370	1	3427
	10990 .98/11.3	10122 1.02/10.8	9075 1.02/10.3	7268 .94/9.7	5137 .80/9.0	-	-	-	-	-	3609		385	1	3566
	11418 1.10/11.9	10593 1.14/11.4	9607 1.15/10.9	8102 1.09/10.3	6133 .96/9.7	-	-	-	-	-	3610		400	1-1/2	3705
	11846 1.23/12.6	11060 1.27/12.0	10120 1.28/11.6	8852 1.25/10.9	6860 1.10/10.4	3994 .84/10.2	-	-	-	-	3611		415	1-1/2	3844
	12275 1.37/13.3	11524 1.41/12.8	10623 1.43/12.2	9521 1.41/11.6	7583 1.26/11.1	5709 1.11/10.5	-	-	-	-	3612		430	1-1/2	3983
	12703 1.52/14.3	11985 1.56/13.6	11118 1.58/13.0	10124 1.57/12.4	8417 1.45/11.8	6731 1.31/11.3	-	-	-	-	3613		445	1-1/2	4122
	13416 1.79/15.5	12747 1.83/15.0	11931 1.86/14.6	11059 1.86/14.0	9774 1.79/13.3	7958 1.62/12.7	6170 1.44/12.2	-	-	-	3614		470	2	4353
	13987 2.03/16.7	13351 2.08/16.2	12574 2.10/15.7	11770 2.11/15.2	10712 2.08/14.6	8982 1.90/14.1	7516 1.76/13.5	4507 1.34/13.2	-	-	3615		490	2	4539
	14558 2.29/17.9	13953 2.34/17.4	13218 2.37/17.0	12453 2.38/16.5	11540 2.37/15.9	10114 2.23/15.2	8485 2.05/14.7	6849 1.86/14.2	-	-	3616		510	3	4724
	15272 2.64/19.4	14701 2.69/18.9	14015 2.73/18.5	13287 2.74/18.1	12489 2.74/17.6	11391 2.67/17.0	9739 2.47/16.4	8401 2.32/15.8	6406 2.03/15.6	-	3617		535	3	4955
	15986 3.03/21	15445 3.09/21	14803 3.12/20	14106 3.14/19.7	13387 3.15/19.3	12494 3.12/18.7	11151 2.96/18.2	9603 2.75/17.6	8338 2.59/17.1	-	3618		560	3	5187
	16556 3.36/22	16038 3.42/22	15427 3.47/22	14754 3.49/21	14078 3.50/21	13283 3.49/20	12187 3.38/19.5	10640 3.15/19.0	9371 2.99/18.5	-	3619		580	5	5372
	17698 4.11/25	17218 4.17/25	16663 4.22/24	16040 4.25/24	15416 4.27/24	14752 4.28/23	13951 4.25/23	12842 4.10/22	11372 3.85/21	8936 3.47/20	3620		620	5	5742
	18269 4.52/26	17806 4.59/26	17275 4.64/26	16680 4.67/25	16072 4.69/25	15450 4.70/25	14727 4.69/24	13803 4.60/24	12509 4.37/23	10068 3.97/22	3621		640	5	5928
	18840 4.96/28	18393 5.03/27	17884 5.08/27	17315 5.12/27	16722 5.14/27	16130 5.16/26	15470 5.15/26	14678 5.11/25	13586 4.93/25	11030 4.46/23	3622		660	5	6113

Power Ratings (BHP) does not include drive losses.

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

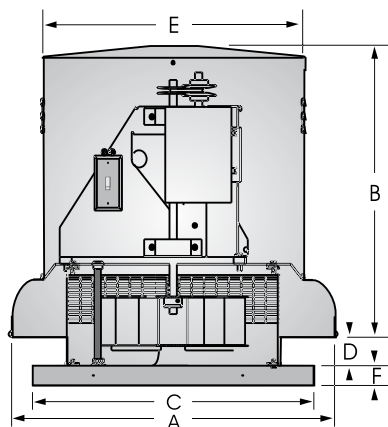
Performance ratings include the effects of birdscreen in the airstream.

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



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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
48	50-1/4	53-1/4	73	40-1/2	55	10	54-5/8	2-1/2	425	700

SIZE 42

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
8498 .22/4.8	4889 .20/4.4	-	-	-	-	-	-	-	-	4201	DP70	180	1/2	1966
9206 .28/5.5	6287 .28/5.1	-	-	-	-	-	-	-	-	4202		195	1/2	2129
9914 .35/6.3	7461 .36/5.9	-	-	-	-	-	-	-	-	4203		210	1/2	2293
10622 .43/7.1	8475 .45/6.8	-	-	-	-	-	-	-	-	4204		225	1/2	2457
11330 .52/7.9	9396 .55/7.6	4910 .40/7.4	-	-	-	-	-	-	-	4205		240	1/2	2621
12275 .66/9.0	10579 .70/8.8	7451 .62/8.6	-	-	-	-	-	-	-	4206		260	3/4	2839
12983 .78/9.8	11450 .83/9.5	8825 .78/9.2	-	-	-	-	-	-	-	4207		275	3/4	3003
13691 .92/10.5	12288 .97/10.2	10034 .94/9.9	4980 .63/9.8	-	-	-	-	-	-	4208		290	1	3167
14399 1.07/11.4	13101 1.12/11.0	11116 1.12/10.7	7740 .95/10.5	-	-	-	-	-	-	4209		305	1	3331
15343 1.29/12.7	14142 1.35/12.3	12411 1.36/11.9	9744 1.25/11.7	-	-	-	-	-	-	4210		325	1-1/2	3549
16051 1.48/13.6	14909 1.54/13.2	13323 1.56/12.9	11079 1.48/12.6	7073 1.16/12.6	-	-	-	-	-	4211	DP72	340	1-1/2	3713
16760 1.68/14.6	15670 1.75/14.3	14209 1.78/13.9	12276 1.73/13.6	9251 1.51/13.5	-	-	-	-	-	4212		355	2	3877
17468 1.91/15.7	16424 1.97/15.4	15097 2.01/15.1	13368 1.99/14.7	10756 1.81/14.6	-	-	-	-	-	4213		370	2	4040
17940 2.07/16.4	16925 2.13/16.0	15681 2.18/15.8	14051 2.17/15.5	11690 2.02/15.4	7879 1.61/15.3	-	-	-	-	4214		380	2	4150
18884 2.41/17.7	17921 2.47/17.5	16818 2.54/17.2	15321 2.54/16.9	13399 2.44/16.7	10674 2.19/16.6	-	-	-	-	4215		400	3	4368
20064 2.89/19.6	19158 2.96/19.4	18187 3.04/19.1	16827 3.05/18.9	15279 3.01/18.6	13084 2.82/18.5	10122 2.46/18.5	-	-	-	4216		425	3	4641
20536 3.10/20	19650 3.17/20	18722 3.26/19.9	17415 3.27/19.7	15970 3.25/19.4	13969 3.08/19.3	11354 2.79/19.2	-	-	-	4217		435	5	4750
21245 3.43/22	20388 3.50/21	19503 3.59/21	18303 3.62/21	16950 3.61/21	15203 3.49/21	12874 3.23/20	9401 2.69/20	-	-	4218		450	5	4914
21953 3.78/23	21123 3.85/23	20276 3.95/22	19182 4.00/22	17883 3.99/22	16350 3.91/22	14281 3.69/22	11720 3.34/22	-	-	4219		465	5	5078
22897 4.29/24	22101 4.36/24	21297 4.47/24	20323 4.53/24	19089 4.53/24	17764 4.50/24	16014 4.33/23	13804 4.04/23	10779 3.51/23	-	4220	DP74	485	5	5296
23605 4.71/26	22832 4.78/26	22057 4.88/25	21158 4.96/25	19975 4.96/25	18753 4.95/25	17204 4.82/25	15217 4.57/25	12857 4.20/25	-	4221		500	5	5460
23841 4.85/26	23076 4.92/26	22309 5.02/26	21432 5.11/26	20267 5.11/25	19070 5.11/25	17584 4.99/25	15675 4.75/25	13399 4.40/25	-	4222		505	5	5515

Power Ratings (BHP) does not include drive losses.

Performance certified for installation type A - free inlet, free outlet.

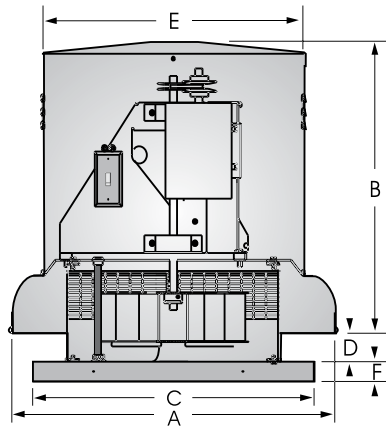
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Dimensional Data										
Damper OD	Roof Opening	Curb OD	A	B	C	D	E	F	Fan Wt	Ship Wt
48	50-1/4	53-1/4	73	40-1/2	55	113	54-5/8	2-1/2	550	830

SIZE 48

DB48

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	Catalog Number				
10045 .32/50	5359 .26/4.6	-	-	-	-	-	-	-	-	4801	DP75 DP76 DP77 DP78 DP79	165	1/2	2037
10654 .39/5.5	6437 .33/5.0	-	-	-	-	-	-	-	-	4802		175	1/2	2161
11567 .49/6.4	7829 .43/5.7	-	-	-	-	-	-	-	-	4803		190	1/2	2347
12176 .58/7.0	8757 .52/6.3	-	-	-	-	-	-	-	-	4804		200	3/4	2470
13275 .77/8.4	10548 .74/7.6	6116 .58/7.6	-	-	-	-	-	-	-	4805		220	3/4	2655
14002 .88/9.1	11417 .85/8.3	7192 .69/8.1	-	-	-	-	-	-	-	4806		230	1	2841
14611 1.00/9.8	12186 .97/9.0	8318 .82/8.6	-	-	-	-	-	-	-	4807		240	1	2964
15524 1.19/10.6	13225 1.16/9.8	9822 1.03/9.4	5606 .80/9.8	-	-	-	-	-	-	4808		255	1-1/2	3149
16895 1.58/11.9	14823 1.57/11.3	12444 1.49/10.7	8833 1.27/10.9	-	-	-	-	-	-	4809		280	1-1/2	3335
17655 1.76/12.5	15564 1.72/11.9	13062 1.61/11.3	9755 1.43/11.4	5839 1.14/12.2	-	-	-	-	-	4810		290	2	3582
18404 2.05/13.3	16508 2.04/12.8	14445 1.96/12.3	11623 1.80/12.3	7789 1.49/12.9	-	-	-	-	-	4811	DP80 DP81 DP82	305	2	3705
19481 2.36/14.1	17556 2.32/13.7	15721 2.27/13.4	12736 2.03/13.2	9574 1.81/13.7	5892 1.47/14.3	-	-	-	-	4812		320	3	3952
19786 2.47/14.4	17895 2.44/14.1	16124 2.38/13.8	13190 2.14/13.5	10140 1.94/14.0	6643 1.61/14.5	-	-	-	-	4813		325	3	4014
21003 2.96/16.0	19243 2.93/15.7	17628 2.87/15.3	15033 2.64/15.0	12358 2.49/15.2	9228 2.16/15.7	5498 1.73/16.5	-	-	-	4814		345	3	4261
22221 3.50/17.7	20583 3.48/17.3	19000 3.41/17.0	16904 3.28/16.7	14294 3.01/16.5	11528 2.76/16.9	8509 2.41/17.4	-	-	-	4815		365	5	4508
22829 3.80/18.5	21248 3.77/18.1	19675 3.71/17.8	17808 3.61/17.5	15205 3.28/17.2	12662 3.11/17.6	9759 2.74/18.0	6350 2.28/18.6	-	-	4816		375	5	4631
24047 4.44/20	22570 4.42/19.9	21009 4.34/19.6	19505 4.27/19.2	17037 3.92/18.9	14761 3.80/19.0	12071 3.44/19.3	9289 3.07/19.7	5656 2.48/20	-	4817		395	5	4878
25041 5.16/22	23683 5.16/22	22249 5.14/21	20797 5.03/21	19140 4.90/21	17240 4.71/20	14643 4.37/21	11899 3.95/21	8394 3.36/22	-	4818		415	5	5310
26178 5.73/24	24856 5.72/23	23319 5.62/23	22107 5.57/23	20293 5.43/22	17971 4.98/22	15902 4.88/22	13421 4.49/22	10900 4.09/23	-	4819		430	7-1/2	5434
26787 6.14/25	25504 6.13/24	23978 6.03/24	22793 5.97/24	21177 5.86/23	18892 5.40/23	16856 5.26/23	14569 4.97/23	12099 4.54/23	-	4820		440	7-1/2	5619
27700 6.79/26	26472 6.78/26	24994 6.68/25	23809 6.62/25	22433 6.53/25	20321 6.17/24	18234 5.85/24	16202 5.69/24	13814 5.24/24	8702 4.29/25	4821		455	7-1/2	5804
28613 7.48/28	27435 7.48/27	26008 7.38/27	24815 7.30/27	23616 7.23/26	21714 6.99/26	19592 6.50/25	17715 6.40/25	15532 6.05/26	10826 5.12/26	4822		470	7-1/2	5990

Power Ratings (BHP) does not include drive losses.

Performance certified for installation type A - free inlet, free outlet.

Performance ratings include the effects of birdscreen in the airstream.

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Chemical Resistance Chart

REAGENT INVOLVED	PAINT SYSTEM				
	NON-COATED 3003 ALLOY ALUMINUM	AIR DRIED ALKYD ENAMEL	BAKED EPOXY	SYNTHETIC RESIN (EISENHEISS)	PHENOLIC (HERESITE)
MAXIMUM TEMPERATURE	300°F	200°F	250°F	300°F	140°F
ABRASION (DRY)	U	S	S	F	F
MOISTURE (WATER)	S	S	S	S	S
SATURATED STEAM	S	S	S	S	U
SALT SPRAY	L	L	S	S	F
ACETIC ACID	L	S	S	S	F
ACETONE	S	U	S	U	F
ALCOHOLS	S	S	S	S	F
ALUMINUM CHLORIDE	U	S	S	S	F
ALUMINUM SULPHATE	U	S	S	S	F
AMMONIA GAS	N	S	S	N	N
AMMONIUM CHLORIDE	U	S	S	F	F
AMMONIUM HYDROXIDE	F	S	S	F	U
AMMONIUM NITRATE	F	N	S	S	L
AMMONIUM SULPHATE	U	S	S	S	L
BENZENE	S	N	S	U	F
BLEACHING COMPOUNDS	N	F	N	N	N
BORIC ACID	U	S	S	S	F
BROMINE	L	S	F	N	N
BUTANOL	N	N	S	S	F
BUTYRIC ACID	F	N	S	N	N
CALCIUM CARBONATE	S	S	S	N	N
CALCIUM CHLORIDE, WET	U	N	N	F	F
CALCIUM CHLORIDE, DRY	U	S	S	S	F
CALCIUM HYDROXIDE	U	S	S	F	F
CALCIUM HYPOCHLORITE	U	N	N	S	U
CARBOLIC ACID	F	U	F	U	F
CARBON DISULPHIDE	S	U	S	U	F
CARBON MONOXIDE	S	S	S	N	N
CARBON TETRACHLORIDE	L	U	S	U	F
CARBONIC ACID	F	S	S	S	F
CHLORINE, WET OR HOT	U	N	F	N	N
CHLORINE, DRY	U	S	S	S	F
CHLORO BENZENE	N	N	N	N	F
CHLOROFORM	F	F	S	N	N
CHROMIC ACID	U	S	F	F	U
CITRIC ACID	L	S	S	S	F
COPPER SULPHATE	U	N	N	S	F
ETHANOL	N	N	S	S	F
ETHYL ACETATE	N	N	S	F	F
ETHYLENE DICHLORIDE	N	N	F	F	F
ETHYLENE GLYCOL	F	N	N	F	F
FERRIC CHLORIDE	U	N	N	S	F
FERRIC SULPHATE	U	N	N	S	F

REAGENT INVOLVED	PAINT SYSTEM				
	NON-COATED 3003 ALLOY ALUMINUM	AIR DRIED ALKYD ENAMEL	BAKED EPOXY	SYNTHETIC RESIN (EISENHEISS)	PHENOLIC (HERESITE)
MAXIMUM TEMPERATURE	300°F	200°F	250°F	300°F	140°F
FORMALDEHYDE	F	N	S	N	F
FORMIC ACID	U	F	N	N	F
GASOLINE	F	S	S	S	F
HYDROBROMIC ACID	L	S	F	N	N
HYDROCHLORIC ACID	U	S	F	S	F
HYDROCHLORUS ACID	L	S	F	N	N
HYDROFLUORIC ACID	U	U	F	U	U
HYDROGEN PEROXIDE	F	S	S	F	U
HYDROGEN SULPHIDE	L	N	S	F	F
LACQUER SOLVENTS	S	U	S	N	N
LACTIC ACID	U	S	L	S	F
LINSEED OIL	N	N	S	S	S
METHANOL	N	N	F	F	F
METHYL ETHYL KETONE	S	N	S	U	F
METHYL ISOBUTYL KETONE	S	N	F	U	F
MINERAL SPIRITS	N	N	S	F	F
NITRIC ACID	U	S	S	F	U
NITROUS ACID	F	S	S	N	N
OLEIC ACID	S	S	S	N	N
PETROLEUM ETHER	N	N	F	F	F
PHOSPHORIC ACID	U	S	S	S	F
POTASSIUM ALUM	N	N	N	S	F
POTASSIUM CYANIDE	L	S	S	N	N
POTASSIUM HYDROXIDE	U	S	S	F	U
POTASSIUM DICHROMATE	N	N	N	N	F
POTASSIUM NITRATE	N	N	S	N	N
PYROGALLIC ACID	F	N	S	N	N
SODIUM BISULPHATE	L	N	N	S	F
SODIUM CHLORIDE	L	N	S	S	F
SODIUM CYANIDE	L	S	S	N	N
SODIUM HYDROXIDE	U	S	S	F	U
SODIUM HYPOCHLORITE	U	N	N	F	U
SODIUM SULPHATE	S	N	N	S	F
SULPHURIC ACID	U	S	S	F	F
SULPHUROUS ACID	L	S	S	S	F
SULPHUR DIOXIDE	U	S	S	F	F
SULPHUR TRIOXIDE	U	L	S	N	N
TANNIC ACID	L	S	S	S	S
TOLUENE	S	U	S	U	F
TRICHLOROETHYLENE	F	N	S	U	F
VINEGAR	L	N	N	S	U
XYLOL	S	U	S	F	F

S - Suitable for heavy concentrations of fumes, including splash or condensation.

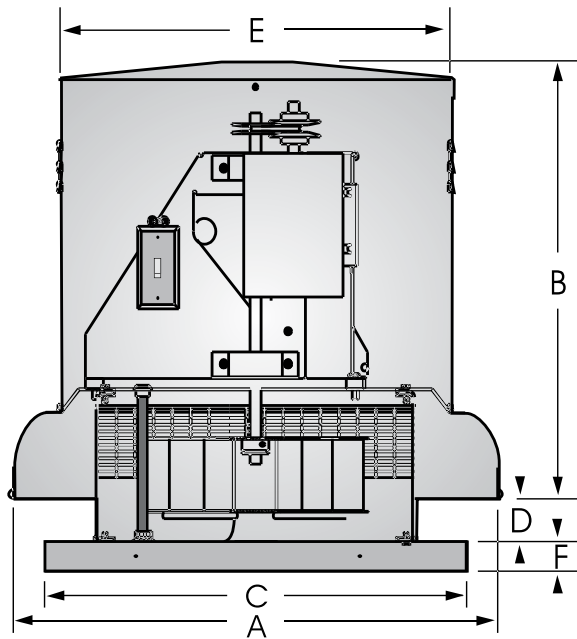
F - Suitable for mild concentrations of fumes, but no splash or condensation.

L - Suitable for light corrosion service, or intermittent exposure to light fume concentration. Not suitable if moisture, splash or condensation are present.

U - Unsatisfactory for use against corrosive agent listed.

N - No data available.

NOTE: Data presented is a summary of corrosion resistance characteristics of aluminum and the four coating systems shown. While single "letter" rating and a single temperature cannot possible describe all situations, this data is presented as a guide. Caution must be exercised where moisture and/or temperature along with a chemical reagent will be encountered.



- A. Skirt OD
- B. Height
- C. Curb Cap ID
- D. Skirt Height
- E. Motor Cover OD
- F. Curb Cap Flange
- G. Recommended Curb OD
- H. Recommended Minimum Roof Opening

Size	Dimensions (Inches)								Damper OD	Metal Gauge		
	A	B	C	D	E	F	G	H		Skirt	Cap	Motor Cover
6-8-9	20-1/2	17-1/2	16-1/2	3-1/2	16-1/8	1-3/4	14-3/4	11-1/2	11	0.063	0.063	0.050
11-12-14	28-3/8	23	24	3-1/2	22-1/2	2	22-1/4	19-1/2	18	0.090	0.063	0.050
16	32-1/4	24	24	6	26-1/4	2-1/2	22-1/4	19-1/2	18	0.090	0.063	0.050
18	32-1/4	24	29-1/2	4-1/2	26-1/4	2-1/2	27-3/4	24-3/4	24	0.090	0.063	0.050
20	36-3/4	24-1/2	29-1/2	4-1/2	26-1/4	2-1/2	27-3/4	24-3/4	24	0.090	0.063	0.050
24	41-1/4	26-1/2	35-3/4	8-1/2	30	2-1/2	33-3/4	30-3/4	30	0.090	0.063	0.050
30	58-3/8	37	42-1/2	5-1/2	41	2-1/2	40-3/4	37-3/4	36	0.100	0.063	0.050
36	58-3/8	37	42-1/2	10	41	2-1/2	40-3/4	37-3/4	36	0.100	0.063	0.050
42	73	40-1/2	55	10-1/2	54-5/8	2-1/2	53-1/4	50-1/4	48	0.100	0.063	0.050
48	73	40-1/2	55	13	54-5/8	2-1/2	53-1/4	50-1/4	48	0.100	0.063	0.050

Additional Products

Soler & Palau USA manufactures a complete line of gravity ventilators and fans for all your ventilation requirements.



MODEL DB

Backward Inclined
Belt Drive
Centrifugal Roof Exhaust



MODEL RED

Backward Inclined
Direct Drive
Centrifugal Roof Exhaust



MODEL SQB/SQD

Backward Inclined
Belt Drive/Direct Drive
Square Inline



MODEL UBB/UBX/UBS

Propeller
Belt and Direct Drive
Upblast Roof Exhaust



MODEL L

Propeller
Belt Drive
Sidewall Exhaust or Supply



MODEL BGH

Gravity Hood
Intake or Relief



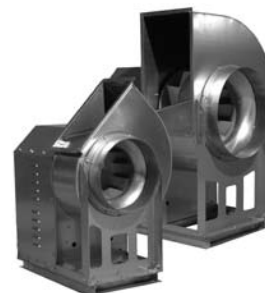
MODEL KSF

Forward Curved Blower
Belt Drive
Filtered Roof Supply



MODEL TXB/TXD

Backward Inclined
Belt Drive/Direct Drive
Centrifugal Upblast



MODEL BVS

Backward Inclined
Belt Drive
Centrifugal Utility Set

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