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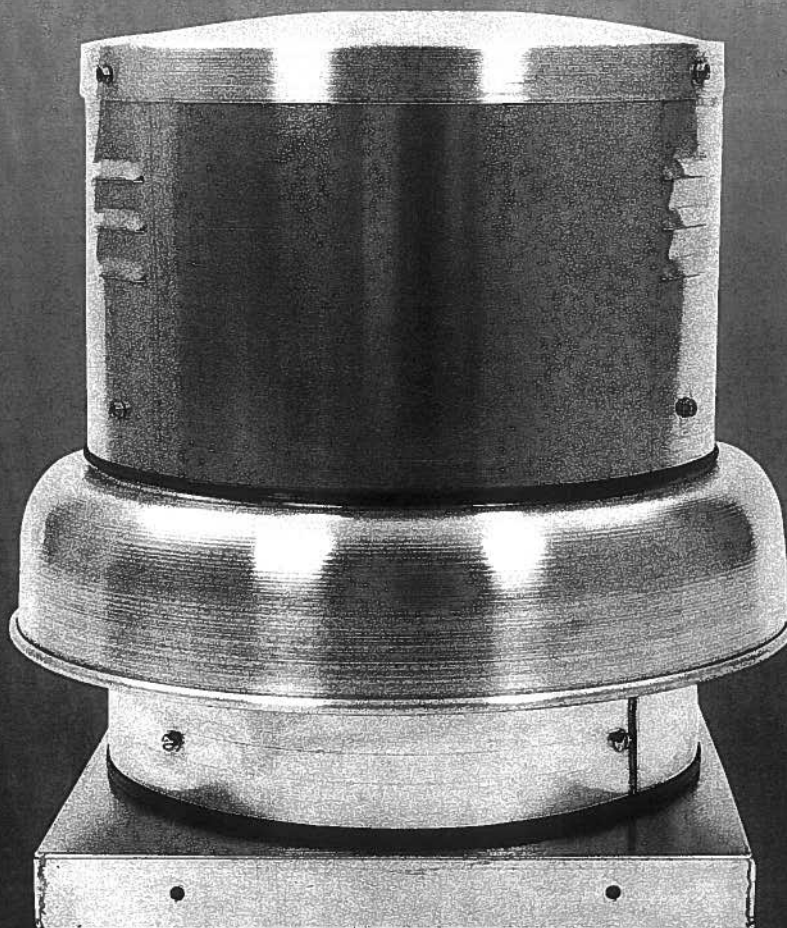
Catalog No. RDB
DECEMBER 1998

CENTRIFUGAL ROOF EXHAUSTERS

Model RDB



Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 21.1 and AMCA Publication 31.1 and comply with the requirement of the AMCA Certified Ratings Program.



Quietaire

CENTRIFUGAL ROOF EXHAUSTERS

Model RDB (belt drive)

Application

Model RDB 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.

Quietaire covers the RDB with a 5 - year warranty and a 1 - year motor warranty. The non overloading backward inclined wheel with its higher static pressure capability makes this unit suitable for either ducted or nonducted applications. It's 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 RDB 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.
- Stainless steel fasteners on exterior.

Centrifugal Wheel

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

Motors

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

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 bearing warranty.

AMCA Seal

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

UL Label

- UL 705 Listing assures electrical safety and reliability.
- UL 705 must be specified when required.
- UL 705 Canada.

Options/Accessories

Roof Curb: Prefabricated insulated heavy gauge galvanized steel welded construction, 8" 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 back draft.

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

Companion Gravity Units: Models 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 RDB 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, coal tar, vinyl and Eisenheiss are available when specified.

Express Program

Most RDB 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. Delivery options include: 2, 5 and 10 day shipments.

All specifications are subject to change without notice unless approved in submittal by Quietaire

STANDARD CONSTRUCTION FEATURES

MODEL RDB

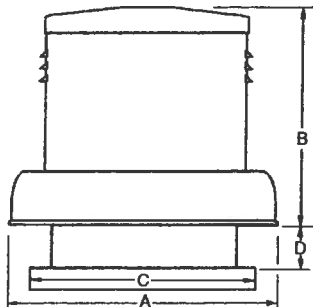


TYPICAL SPECIFICATION

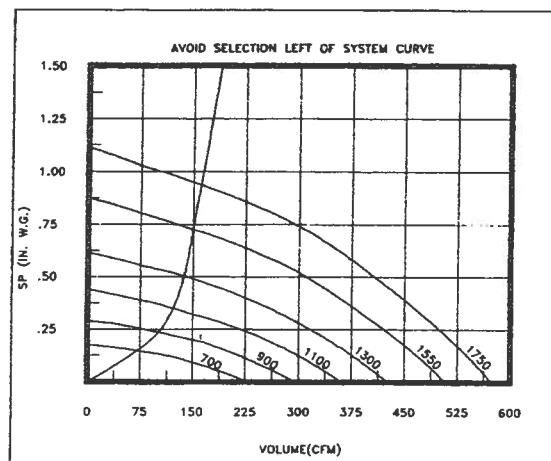
Roof exhaust fan shall be centrifugal belt drive type. Unit shall be constructed of aluminum for durability and appearance. Fan skirts shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent against snow and rain entry into the building. Birdscreen and wind band shall 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 RDB as manufactured by **Quietaire**, Houston, Texas.



Dimensional Data							
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT. UPS WT.
11	11-1/2	15	20-5/8	20	16-1/2	4-1/8	43 80



Model RDB6

CFM / BHP @ Static Pressure / Sones

0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER	DRIVE RANGE	RPM	HP	TIP SPEED
230 .01 / 1.3	108 .01 / 0.7									601	D P 1	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	D P 2	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	D P 3	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	D P 4	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	D P 5	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		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 shown is for installation type A-free inlet, free outlet.

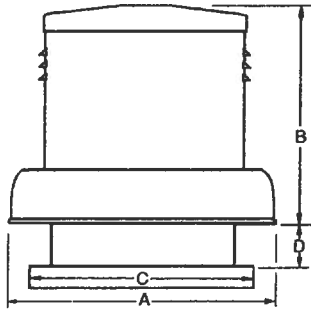
Performance ratings include the effects of birdscreen in the airstream.

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 Installation Type A-free inlet fan sone levels.



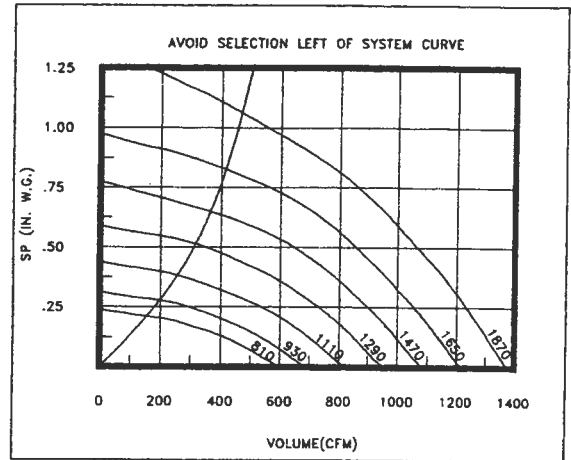
Quietoire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data

Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	UPS WT.
11	11-1/2	15	20-5/8	20	16-1/2	4-1/8	42	80



Model RDB8

RDB8

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

Power Ratings (BHP) does not include drive losses.

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

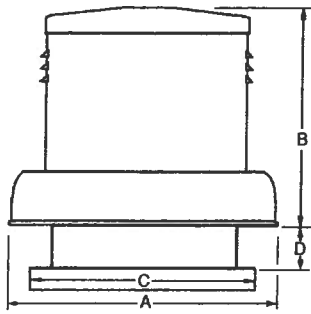
Performance ratings include the effects of birdscreens in the airstream.

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 Installation Type A-free inlet fan sone levels.

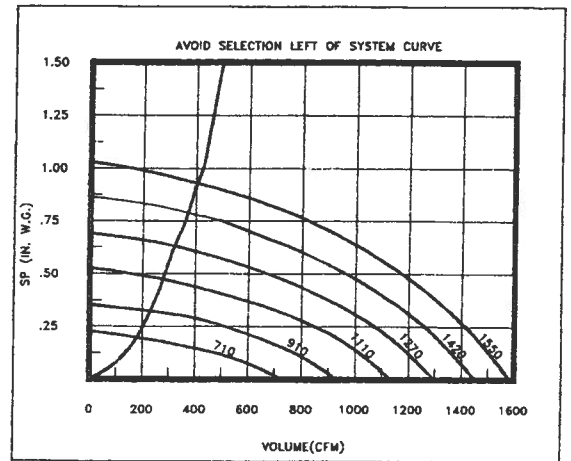


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Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	UPS WT.
11	11-1/2	15	20-5/8	20	16-1/2	4-1/8	44	80



Model RDB9

CFM / BHP @ Static Pressure / Sones

0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER	DRIVE RANGE	RPM	HP	TIP SPEED
726	465									901		710	1/4	2237
.03 / 2.4	.03 / 1.4													
766	533									902		750	1/4	2363
.04 / 2.8	.03 / 1.7													
807	595									903		790	1/4	2489
.04 / 3.1	.04 / 2.1													
848	654	252								904		830	1/4	2615
.05 / 3.5	.05 / 2.4	.03 / 1.7												
889	711	376								905		870	1/4	2742
.06 / 3.8	.06 / 2.8	.04 / 2.1												
930	765	474								906		910	1/4	2868
.07 / 4.2	.06 / 3.2	.05 / 2.5												
971	817	557								907		950	1/4	2994
.08 / 4.5	.07 / 3.6	.06 / 2.9												
1012	867	633								908		990	1/4	3120
.09 / 4.9	.08 / 4.0	.07 / 3.2												
1053	916	703	356							909		1030	1/4	3246
.10 / 5.2	.09 / 4.3	.09 / 3.6	.06 / 3.0											
1094	964	769	472							910		1070	1/4	3372
.11 / 5.6	.11 / 4.7	.10 / 4.0	.08 / 3.4											
1134	1011	831	570							911		1110	1/4	3498
.12 / 5.9	.12 / 5.2	.11 / 4.4	.09 / 3.8											
1175	1057	890	656							912		1150	1/4	3624
.13 / 6.3	.13 / 5.6	.13 / 4.9	.11 / 4.2											
1216	1103	948	734	413						913		1190	1/4	3750
.15 / 6.7	.15 / 6.0	.14 / 5.4	.13 / 4.6	.10 / 4.0										
1257	1148	1004	807	531						914		1230	1/4	3876
.16 / 7.0	.16 / 6.4	.16 / 5.8	.15 / 5.1	.12 / 4.4										
1298	1193	1059	876	631						915		1270	1/4	4002
.18 / 7.4	.18 / 6.8	.17 / 6.2	.16 / 5.6	.14 / 4.9										
1339	1238	1112	941	720	390					916		1310	1/4	4128
.20 / 7.8	.20 / 7.2	.19 / 6.6	.18 / 6.0	.16 / 5.4	.13 / 4.8									
1380	1282	1164	1003	801	522					917		1350	1/4	4254
.22 / 8.3	.22 / 7.6	.21 / 7.1	.20 / 6.5	.18 / 5.8	.15 / 5.2									
1421	1326	1214	1063	877	632					918		1390	1/4	4380
.24 / 8.7	.24 / 8.1	.23 / 7.5	.22 / 6.9	.21 / 6.3	.18 / 5.7									
1451	1359	1251	1107	931	706	368				919		1420	1/4	4475
.25 / 9.0	.25 / 8.4	.25 / 7.8	.24 / 7.3	.22 / 6.7	.20 / 6.1	.15 / 5.5								
1502	1414	1311	1179	1017	816	545				920		1470	1/3	4632
.28 / 9.5	.28 / 9.0	.27 / 8.4	.27 / 7.8	.25 / 7.2	.23 / 6.7	.19 / 6.1								
1543	1458	1359	1235	1083	897	660				921		1510	1/3	4758
.30 / 10.0	.30 / 9.4	.30 / 8.8	.29 / 8.3	.28 / 7.7	.26 / 7.1	.22 / 6.6								
1584	1501	1406	1290	1145	973	760	462			922		1550	1/3	4884
.33 / 10.5	.33 / 9.9	.32 / 9.3	.31 / 8.8	.30 / 8.2	.28 / 7.6	.25 / 7.1	.21 / 6.5							

Power Ratings (BHP) does not include drive losses.

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

Performance ratings include the effects of birdscreen in the airstream.

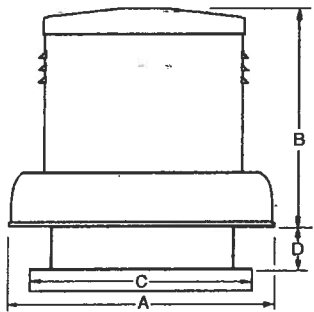
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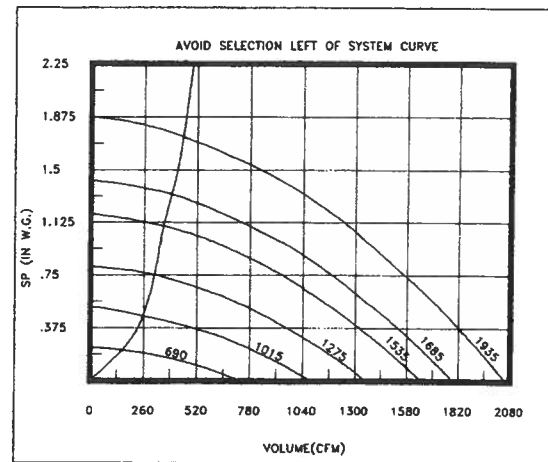
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UL STANDARD 705
UL Canada



Dimensional Data							
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN TRUCK WT.
18	19-1/2	22-1/4	28-1/2	26-1/4	24	3-1/2	64 130



Model RDB11

RDB11

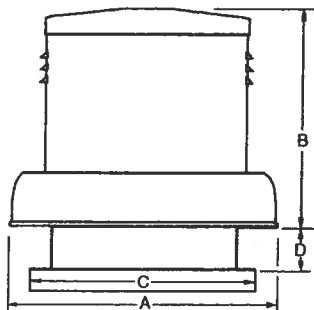
CFM / BHP @ Static Pressure / Sones											DRIVE RANGE	RPM	HP	TIP SPEED
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER				
734	479									1101	D P I 1	690	1/4	2275
.02 / 3.1	.02 / 2.3											755	1/4	2489
804	575	222								1102		820	1/4	2703
.03 / 3.7	.03 / 2.9	.03 / 2.8										885	1/4	2918
873	669	399								1103		950	1/4	3132
.03 / 4.4	.04 / 3.6	.04 / 3.4										1015	1/4	3346
942	758	528								1104	D P I 2	1080	1/4	3561
.04 / 5.1	.05 / 4.3	.05 / 4.0										1145	1/4	3775
1011	843	637	353							1105		1210	1/4	3989
.05 / 5.8	.06 / 5.0	.06 / 4.6	.06 / 4.7									1275	1/4	4203
1080	924	736	513							1106		1340	1/4	4418
.06 / 6.5	.07 / 5.7	.07 / 5.2	.07 / 5.2									1405	1/4	4632
1150	1004	831	640	355						1107	D P I 3	1470	1/4	4846
.07 / 7.1	.08 / 6.4	.09 / 5.8	.09 / 5.8	.08 / 5.9								1535	1/4	5061
1219	1083	925	751	532						1108		1585	1/3	5225
.09 / 7.8	.10 / 7.1	.10 / 6.5	.11 / 6.4	.10 / 6.5								1635	1/3	5390
1288	1160	1015	852	669	405					1109		1685	1/3	5555
.10 / 8.5	.11 / 7.8	.12 / 7.3	.13 / 7.1	.12 / 7.1	.11 / 7.2							1735	1/2	5720
1357	1236	1102	948	788	582					1110	D P I 4	1785	1/2	5885
.12 / 9.2	.13 / 8.6	.14 / 8.0	.15 / 7.7	.15 / 7.8	.14 / 7.8							1835	1/2	6050
1426	1312	1187	1043	896	723	489				1111		1885	1/2	6214
.14 / 9.9	.15 / 9.3	.16 / 8.8	.17 / 8.4	.17 / 8.4	.17 / 8.5	.15 / 8.6						1935	1/2	6380
1495	1387	1269	1137	995	845	657	388			1112				
.16 / 10.7	.17 / 10.1	.18 / 9.6	.19 / 9.2	.20 / 9.1	.20 / 9.2	.19 / 9.3	.16 / 9.3							
1565	1461	1350	1227	1092	956	796	591			1113	D P I 5			
.19 / 11.5	.20 / 11.0	.21 / 10.4	.22 / 10.0	.22 / 9.8	.23 / 9.9	.22 / 10.0	.21 / 10.0							
1634	1535	1430	1315	1187	1059	918	749	527		1114				
.21 / 12.5	.22 / 11.9	.23 / 11.4	.25 / 10.8	.25 / 10.6	.26 / 10.7	.26 / 10.8	.25 / 10.8	.23 / 10.9						
1687	1591	1490	1381	1259	1134	1005	854	668		1115				
.23 / 13.2	.25 / 12.6	.26 / 12.0	.27 / 11.6	.28 / 11.2	.28 / 11.2	.29 / 11.3	.28 / 11.4	.27 / 11.5						
1740	1648	1550	1446	1330	1208	1087	950	788		1116	D P I 6			
.26 / 13.9	.27 / 13.4	.28 / 12.9	.29 / 12.3	.30 / 11.9	.31 / 11.8	.31 / 11.9	.31 / 12.0	.30 / 12.1						
1793	1704	1609	1510	1400	1281	1165	1039	894	485	1117				
.28 / 14.6	.29 / 14.0	.30 / 13.5	.32 / 13.0	.33 / 12.7	.34 / 12.5	.34 / 12.6	.34 / 12.6	.34 / 12.7	.28 / 12.9					
1847	1760	1668	1573	1468	1354	1240	1124	992	645	1118				
.31 / 15.3	.32 / 14.8	.33 / 14.2	.35 / 13.7	.36 / 13.4	.36 / 13.1	.37 / 13.2	.37 / 13.3	.37 / 13.4	.34 / 13.5					
1900	1816	1727	1635	1535	1426	1314	1204	1083	779	1119	D P I 7			
.34 / 16.1	.35 / 15.5	.36 / 15.0	.37 / 14.5	.39 / 14.1	.39 / 13.8	.40 / 13.8	.41 / 13.8	.41 / 13.9	.38 / 14.2					
1953	1871	1785	1696	1601	1497	1388	1281	1168	896	1120				
.36 / 16.9	.38 / 16.3	.39 / 15.7	.40 / 15.2	.42 / 14.9	.43 / 14.6	.43 / 14.4	.44 / 14.5	.44 / 14.6	.43 / 14.8					
2006	1927	1843	1757	1666	1567	1461	1356	1251	1002	1121				
.40 / 17.7	.41 / 17.1	.42 / 16.6	.43 / 16.0	.45 / 15.6	.46 / 15.3	.47 / 15.1	.48 / 15.2	.48 / 15.3	.47 / 15.6					
2060	1982	1901	1817	1730	1635	1533	1430	1329	1100	1122				
.43 / 18.5	.44 / 17.9	.45 / 17.3	.47 / 16.8	.48 / 16.4	.49 / 16.0	.50 / 15.7	.51 / 15.8	.52 / 15.9	.51 / 16.1					

Power Ratings (BHP) does not include drive losses.
 Performance shown 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 Installation Type A-free inlet fan sone levels.

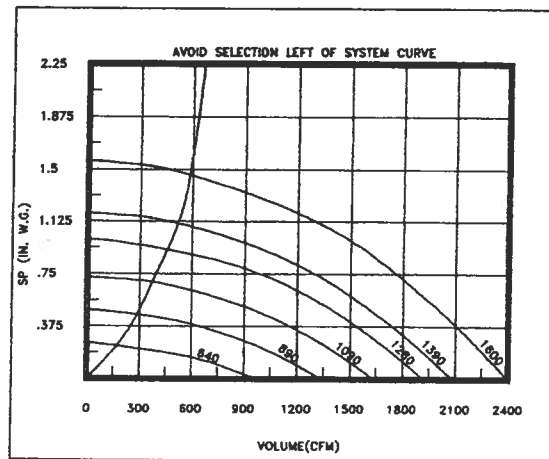


Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data								FAN	TRUCK
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D		WT.	WT.
18	19-1/2	22-1/4	28-1/2	26-1/4	24	3-1/2	65	130	



Model RDB12

CFM / BHP @ Static Pressure / Sones

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

RDB12

Power Ratings (BHP) does not include drive losses.

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

Performance ratings include the effects of birdscreen in the airstream.

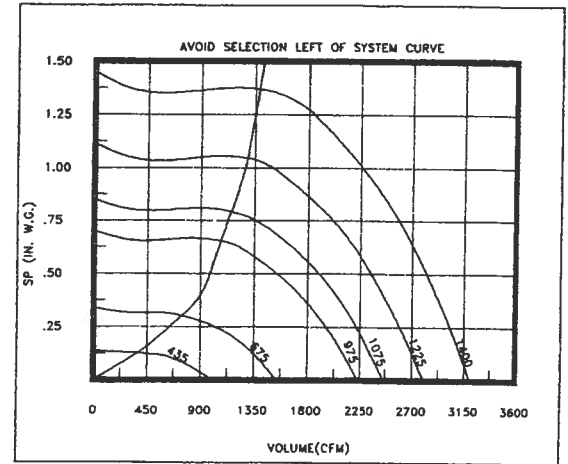
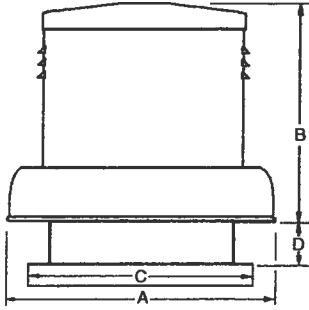
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A-free inlet fan sone levels.



Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



UL STANDARD 705
UL Canada



Dimensional Data									
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.	
18	19-1/2	22-1/4	28-1/2	26-1/4	24	3-1/2	71	140	

Model RDB14

RDB14

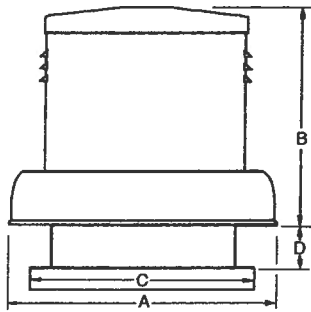
CFM / BHP @ Static Pressure / Sones											DRIVE RANGE	RPM	HP	TIP SPEED
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER				
996	514									1401		435	1/4	1732
.02 / 2.3	.02 / 1.2													
1088	710									1402		475	1/4	1891
.03 / 2.9	.03 / 1.9													
1203	901									1403		525	1/4	2090
.04 / 3.6	.04 / 2.7													
1317	1060									1404		575	1/4	2289
.05 / 4.3	.05 / 3.6													
1432	1206	791								1405		625	1/4	2488
.06 / 5.0	.07 / 4.5	.06 / 3.4												
1546	1343	1018								1406		675	1/4	2687
.08 / 5.9	.08 / 5.4	.08 / 4.3												
1661	1475	1213								1407		725	1/4	2886
.10 / 6.7	.10 / 6.2	.10 / 5.3												
1775	1604	1381	1017							1408		775	1/4	3085
.12 / 7.4	.13 / 7.0	.13 / 6.3	.11 / 5.3											
1890	1731	1535	1240							1409		825	1/4	3284
.15 / 8.2	.15 / 7.8	.15 / 7.3	.14 / 6.3											
2004	1857	1680	1439	1065						1410		875	1/4	3483
.18 / 9.0	.18 / 8.6	.18 / 8.2	.18 / 7.2	.16 / 6.4										
2119	1981	1819	1613	1311						1411		925	1/4	3682
.21 / 9.9	.21 / 9.5	.22 / 9.1	.21 / 8.3	.20 / 7.4										
2233	2103	1953	1773	1525	1168					1412		975	1/4	3881
.24 / 10.9	.25 / 10.4	.25 / 10.0	.25 / 9.4	.24 / 8.5	.22 / 7.7									
2348	2225	2085	1923	1714	1425					1413		1025	1/3	4080
.28 / 11.8	.29 / 11.4	.29 / 11.0	.29 / 10.5	.29 / 9.6	.27 / 8.8									
2462	2346	2215	2067	1885	1642	1328				1414		1075	1/3	4279
.33 / 12.8	.33 / 12.4	.34 / 12.0	.34 / 11.7	.34 / 10.7	.32 / 9.9	.29 / 9.1								
2577	2466	2343	2206	2044	1840	1571				1415		1125	1/2	4478
.37 / 13.7	.38 / 13.4	.39 / 13.1	.39 / 12.6	.39 / 12.0	.38 / 11.1	.36 / 10.3								
2692	2586	2470	2341	2195	2018	1788	1510			1416		1175	1/2	4677
.42 / 14.8	.43 / 14.5	.44 / 14.1	.44 / 13.7	.44 / 13.2	.44 / 12.3	.42 / 11.5	.39 / 10.8							
2806	2705	2595	2474	2340	2183	1988	1740	1408		1417		1225	1/2	4876
.48 / 15.9	.49 / 15.5	.50 / 15.2	.50 / 14.8	.50 / 14.4	.50 / 13.6	.49 / 12.8	.46 / 12.0	.42 / 11.3						
2886	2788	2682	2566	2439	2292	2116	1893	1633		1418		1260	3/4	5016
.52 / 16.7	.53 / 16.3	.54 / 15.9	.55 / 15.6	.55 / 15.2	.54 / 14.5	.54 / 13.7	.52 / 12.9	.48 / 12.2						
2978	2883	2781	2670	2550	2414	2254	2058	1818		1419		1300	3/4	5175
.57 / 17.6	.58 / 17.2	.59 / 16.8	.60 / 16.5	.60 / 16.1	.60 / 15.5	.59 / 14.7	.58 / 13.9	.55 / 13.3						
3092	3001	2904	2799	2685	2560	2417	2247	2036		1420		1350	3/4	5374
.64 / 18.7	.65 / 18.3	.66 / 18.0	.67 / 17.6	.67 / 17.3	.67 / 16.9	.67 / 16.0	.66 / 15.3	.64 / 14.5						
3150	3060	2965	2862	2752	2632	2495	2335	2141	1621	1421		1375	3/4	5473
.68 / 19.3	.69 / 19.0	.70 / 18.6	.71 / 18.2	.71 / 17.8	.71 / 17.5	.71 / 16.7	.70 / 16.0	.68 / 15.2	.60 / 13.9					
3207	3119	3026	2926	2819	2703	2572	2420	2240	1782	1422		1400	3/4	5573
.72 / 19.9	.73 / 19.6	.74 / 19.2	.74 / 18.8	.75 / 18.5	.75 / 18.1	.75 / 17.4	.74 / 16.6	.72 / 15.9	.66 / 14.5					

Power Ratings (BHP) does not include drive losses.
 Performance shown 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 Installation Type A-free inlet fan sone levels.

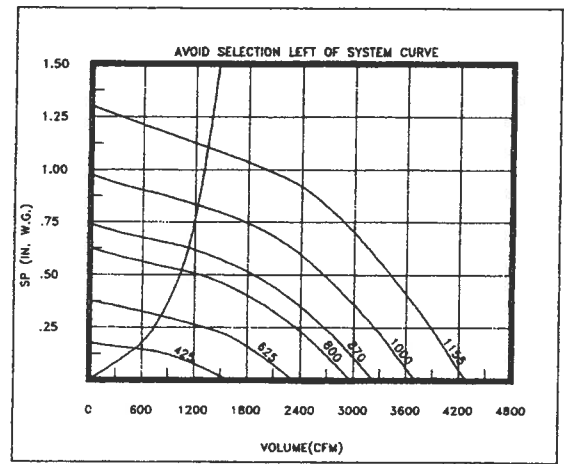


Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 311 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data									
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.	
18	19-1/2	22-1/4	32-3/4	32	24	6	79	145	



Model RDB16

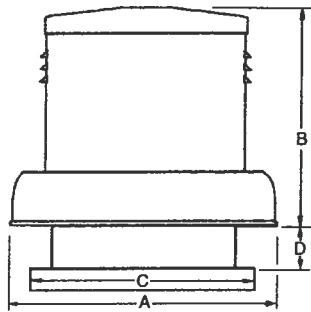
CFM / BHP @ Static Pressure / Sones											DRIVE RANGE	RPM	HP	TIP SPEED
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER				
1578	851									1601	D P 2 6	425	1/4	2030
.04 / 2.9	.04 / 1.8									1602		465	1/4	2221
.05 / 3.6	.05 / 2.6									1603		505	1/4	2413
1875	1338									1604	D P 2 7	545	1/4	2604
.06 / 4.3	.07 / 3.3									1605		585	1/4	2795
.07 / 5.0	.08 / 4.1									1606		625	1/4	2986
2172	1733	1065								1607	D P 2 8	665	1/4	3177
.09 / 5.8	.10 / 4.9	.10 / 4.0								1608		705	1/4	3368
.11 / 6.5	.12 / 5.7	.12 / 4.8								1609		745	1/4	3559
2320	1918	1378								1610	D P 2 9	785	1/4	3750
.12 / 6.5	.13 / 5.7	.15 / 5.6								1611		800	1/4	3822
.13 / 7.2	.15 / 6.4	.17 / 6.2								1612		825	1/3	3941
2617	2273	1844	1188							1613	D P 3 0	845	1/3	4037
.16 / 8.0	.17 / 7.2	.18 / 6.4	.17 / 6.2							1614		870	1/3	4156
.19 / 8.7	.20 / 7.9	.21 / 7.2	.21 / 6.5							1615		900	1/2	4300
2914	2612	2248	1814	984						1616	D P 3 1	930	1/2	4430
.22 / 9.5	.24 / 8.7	.25 / 8.0	.25 / 7.4	.20 / 7.2						1617		960	1/2	4586
.23 / 9.8	.25 / 9.0	.26 / 8.3	.26 / 7.7	.23 / 7.5						1618		1000	1/2	4778
3063	2776	2440	2049	1484						1619		1060	3/4	5064
.26 / 10.3	.27 / 9.5	.29 / 8.8	.29 / 8.2	.27 / 7.7						1620		1090	3/4	5207
.28 / 10.7	.29 / 10.0	.31 / 9.2	.31 / 8.6	.30 / 8.1						1621		1120	3/4	5351
3230	2958	2649	2293	1853	965					1622		1155	3/4	5518
.30 / 11.2	.32 / 10.4	.33 / 9.8	.34 / 9.1	.34 / 8.6	.25 / 8.5									
3341	3079	2786	2448	2054	1417									
.33 / 11.9	.35 / 11.1	.37 / 10.4	.38 / 9.8	.37 / 9.3	.33 / 9.1									
3453	3198	2920	2599	2236	1731									
.37 / 12.5	.39 / 11.8	.40 / 11.1	.42 / 10.5	.42 / 9.9	.40 / 9.6									
3564	3318	3053	2746	2407	1979	1181								
.40 / 13.2	.43 / 12.5	.44 / 11.8	.46 / 11.1	.46 / 10.7	.45 / 10.2	.36 / 9.9								
3712	3476	3228	2939	2623	2256	1712								
.46 / 14.0	.48 / 13.4	.50 / 12.7	.51 / 12.1	.52 / 11.5	.51 / 11.2	.48 / 11.0								
3935	3711	3484	3219	2932	2617	2230	1615							
.54 / 15.5	.57 / 14.8	.59 / 14.1	.60 / 13.6	.62 / 13.1	.62 / 12.6	.60 / 13.0	.54 / 12.8							
4047	3829	3610	3356	3081	2783	2436	1950	1021						
.59 / 16.2	.62 / 15.6	.64 / 15.0	.65 / 14.3	.67 / 13.8	.67 / 13.4	.66 / 13.6	.63 / 14.4	.45 / 14.2						
4158	3946	3734	3492	3227	2943	2626	2217	1542						
.64 / 17.0	.67 / 16.4	.69 / 15.8	.71 / 15.2	.72 / 14.6	.73 / 14.2	.72 / 14.3	.70 / 15.1	.60 / 14.9						
4288	4082	3878	3648	3395	3125	2831	2480	1980						
.70 / 17.9	.73 / 17.3	.75 / 16.7	.77 / 16.2	.79 / 15.7	.79 / 15.1	.79 / 15.0	.78 / 15.9	.73 / 15.9						

Power Ratings (BHP) does not include drive losses.
 Performance shown 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 Installation Type A-free inlet fan sone levels.

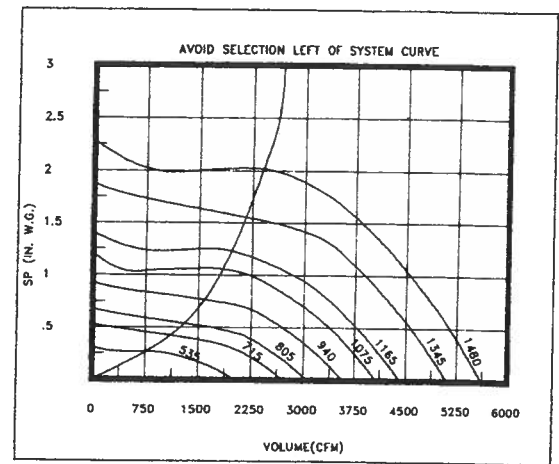


Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.
24	24-3/4	27-3/4	32-3/4	32	29-1/2	4-5/8	96	160



Model RDB18

RDB18

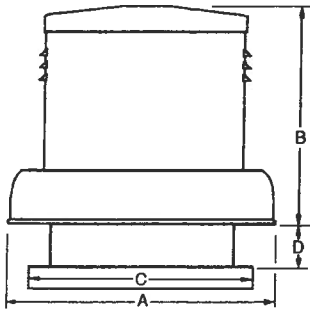
CFM / BHP @ Static Pressure / Sones											DRIVE RANGE	RPM	HP	TIP SPEED
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER				
2031 .09 / 6.4	1663 .10 / 5.4	1054 .08 / 5.6								1801		535	1/4	2556
2202 .12 / 7.3	1874 .12 / 6.4	1395 .11 / 6.6								1802		580	1/4	2771
2372 .15 / 8.3	2077 .15 / 7.4	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		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 .76 / 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		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 shown 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 Installation Type A-free inlet fan sone levels.

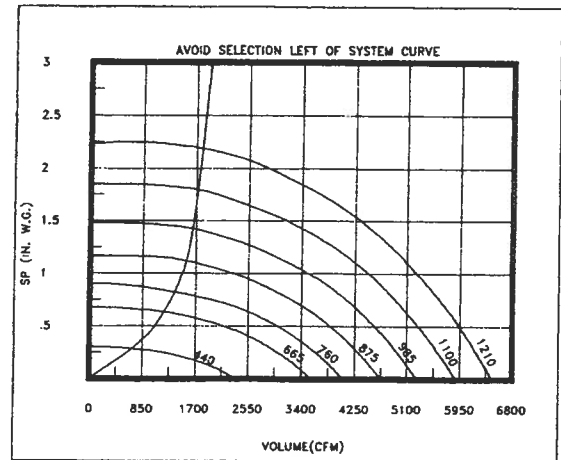


Quietair certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.
24	24-3/4	27-3/4	42	30-5/8	29-1/2	4-5/8	98	215



Model RDB20

CFM / BHP @ Static Pressure / Sones

0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER	DRIVE RANGE	RPM	HP	TIP SPEED
2357 .09 / 5.4	1936 .10 / 3.9	1151 .09 / 3.7								2001		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		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 1.00 / 15.5	4098 1.01 / 15.1	3834 1.01 / 14.7	3511 1.00 / 14.4	3133 .96 / 13.9	2017 .80 / 13.0	2015		950	1	5311
5276 1.03 / 18.4	5117 1.05 / 17.9	4949 1.07 / 17.5	4768 1.09 / 17.1	4562 1.11 / 16.7	4336 1.12 / 16.3	4098 1.12 / 15.9	3811 1.12 / 15.5	3476 1.10 / 15.4	2589 .98 / 15.1	2016		985	1	5506
5517 1.17 / 19.9	5365 1.20 / 19.4	5206 1.22 / 19.0	5036 1.24 / 18.5	4847 1.26 / 18.1	4634 1.28 / 17.8	4416 1.28 / 17.4	4171 1.28 / 17.1	3879 1.28 / 16.8	3156 1.19 / 16.7	2017		1030	1-1/2	5758
5705 1.30 / 21	5558 1.32 / 21	5405 1.35 / 20	5242 1.37 / 19.8	5065 1.39 / 19.4	4865 1.41 / 19.0	4655 1.42 / 18.6	4434 1.42 / 18.3	4173 1.42 / 18.0	3532 1.36 / 17.8	2018		1065	1-1/2	5953
5892 1.43 / 22	5750 1.45 / 22	5602 1.48 / 22	5447 1.50 / 21	5280 1.53 / 21	5092 1.55 / 20	4889 1.56 / 19.9	4683 1.56 / 19.5	4451 1.56 / 19.2	3874 1.53 / 19.1	2019		1100	1-1/2	6149
6107 1.59 / 24	5970 1.62 / 24	5828 1.64 / 23	5679 1.67 / 23	5521 1.69 / 22	5346 1.71 / 22	5154 1.73 / 21	4958 1.74 / 21	4751 1.74 / 21	4236 1.73 / 20	2020		1140	2	6373
6294 1.74 / 25	6161 1.77 / 25	6024 1.80 / 24	5881 1.82 / 24	5730 1.85 / 24	5566 1.87 / 23	5384 1.89 / 23	5194 1.90 / 22	4999 1.91 / 22	4535 1.90 / 21	2021		1175	2	6568
6482 1.90 / 27	6353 1.93 / 26	6220 1.96 / 26	6082 1.98 / 25	5937 2.01 / 25	5782 2.04 / 25	5610 2.06 / 24	5426 2.07 / 24	5241 2.08 / 24	4821 2.08 / 24	2022		1210	2	6764

Power Ratings (BHP) does not include drive losses.

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

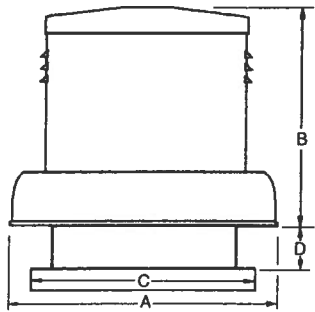
Performance ratings include the effects of birdscreen in the airstream.

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 Installation Type A-free inlet fan sone levels.

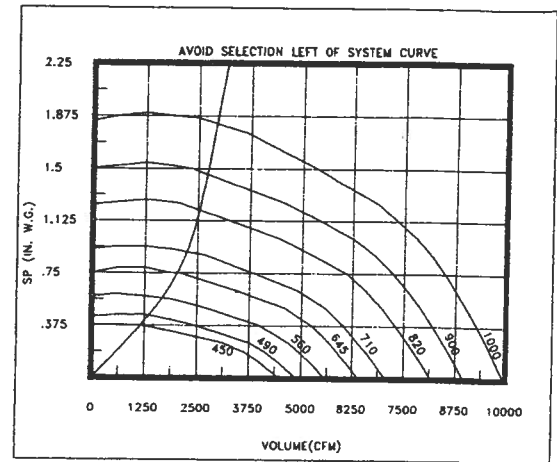


Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.
30	30-3/4	33-3/4	42	34-1/4	35-1/2	8	155	290



Model RDB24

RDB24

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

Power Ratings (BHP) does not include drive losses.

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

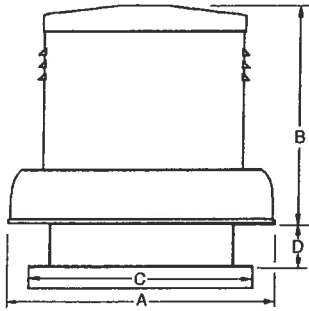
Performance ratings include the effects of birdscreen in the airstream.

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 Installation Type A-free inlet fan sone levels.

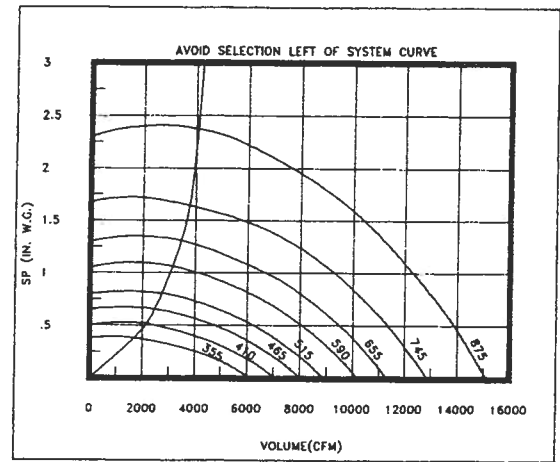


Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.
36	37-3/4	40-3/4	58-5/8	41-1/2	42-1/2	5-3/8	265	465



Model RDB30

CFM / BHP @ Static Pressure / Sones

0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER	DRIVE RANGE	RPM	HP	TIP SPEED
4068 .09 / 2.7	2456 .09 / 2.5									3001		235	1/3	1871
4588 .13 / 3.4	3300 .14 / 3.2									3002	D	265	1/3	2110
5107 .18 / 4.2	4015 .19 / 3.6	1930 .15 / 3.4								3003	P	295	1/3	2349
5626 .24 / 5.0	4681 .26 / 4.1	3220 .24 / 3.6								3004	S	325	1/3	2588
6146 .32 / 5.8	5311 .34 / 4.7	4149 .33 / 5.0								3005	D	355	1/3	2827
6665 .40 / 6.6	5916 .43 / 5.3	4921 .43 / 6.2	3455 .38 / 6.1							3006	P	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	S	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	D	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	P	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	S	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	D	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	P	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 / 12.6		3013	S	590	1-1/2	4698
10820 1.73 / 14.5	10395 1.77 / 13.1	9928 1.84 / 11.8	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	D	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 1.96 / 14.0	4024 1.61 / 13.8	3015	P	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	S	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	D	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	P	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	S	770	5	6131
13936 3.70 / 22	13612 3.75 / 20	13270 3.80 / 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	D	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	P	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	S	875	5	6967

Power Ratings (BHP) does not include drive losses.

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

Performance ratings include the effects of birdscreen in the airstream.

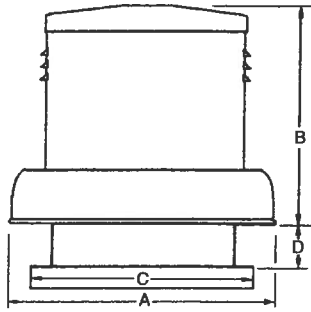
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A-free inlet fan sone levels.



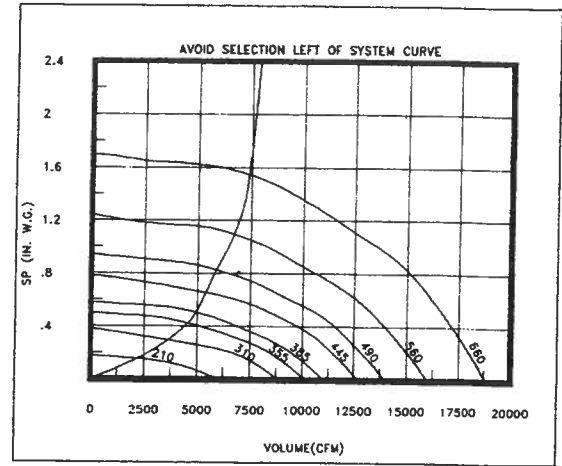
Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



UL STANDARD 705
UL Canada



Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.
36	37-3/4	40-3/4	58-5/8	46	42-1/2	9-3/4	275	475



Model RDB36

RDB36

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				
5995	3550									3601		210	1/2	1945
16 / 3.9	14 / 3.0													
6708	4887									3602		235	1/2	2177
22 / 4.9	22 / 4.1													
7422	5964									3603		260	1/2	2408
30 / 5.9	31 / 5.2													
8136	6868	4443								3604		285	1/2	2640
40 / 7.0	42 / 6.4	35 / 5.6												
8849	7708	5686								3605		310	1/2	2871
51 / 8.2	53 / 7.7	48 / 6.8												
9420	8361	6793	4157							3606		330	3/4	3057
62 / 9.2	64 / 8.8	62 / 8.0	49 / 7.1											
10134	9166	7936	5730							3607		355	3/4	3288
77 / 10.1	80 / 9.7	80 / 9.1	68 / 8.3											
10562	9646	8521	6450	3321						3608		370	1	3427
87 / 10.7	90 / 10.3	91 / 9.7	80 / 8.9	57 / 8.8										
10990	10122	9075	7268	5137						3609		385	1	3566
98 / 11.3	102 / 10.8	102 / 10.3	94 / 9.7	80 / 9.0										
11418	10593	9607	8102	6133						3610		400	1-1/2	3705
110 / 11.9	114 / 11.4	115 / 10.9	109 / 10.3	96 / 9.7										
11846	11060	10120	8852	6860	3994					3611		415	1-1/2	3844
123 / 12.6	127 / 12.0	128 / 11.6	125 / 10.9	110 / 10.4	84 / 10.2									
12275	11524	10623	9521	7583	5709					3612		430	1-1/2	3983
137 / 13.3	141 / 12.8	143 / 12.2	141 / 11.6	126 / 11.1	111 / 10.5									
12703	11985	11118	10124	8417	6731					3613		445	1-1/2	4122
152 / 14.3	156 / 13.6	158 / 13.0	157 / 12.4	145 / 11.8	131 / 11.3									
13416	12747	11931	11059	9774	7958	6170				3614		470	2	4353
179 / 15.5	183 / 15.0	186 / 14.6	186 / 14.0	179 / 13.3	162 / 12.7	144 / 12.2								
13987	13351	12574	11770	10712	8982	7516	4507			3615		490	2	4539
203 / 16.7	208 / 16.2	210 / 15.7	211 / 15.2	208 / 14.6	190 / 14.1	176 / 13.5	134 / 13.2							
14558	13953	13218	12453	11540	10114	8485	6849			3616		510	3	4724
229 / 17.9	234 / 17.4	237 / 17.0	238 / 16.5	237 / 15.9	223 / 15.2	205 / 14.7	186 / 14.2							
15272	14701	14015	13287	12489	11391	9739	8401	6406		3617		535	3	4955
264 / 19.4	269 / 18.9	273 / 18.5	274 / 18.1	274 / 17.6	267 / 17.0	247 / 16.4	232 / 15.8	203 / 15.6						
15986	15445	14803	14106	13387	12494	11151	9603	8338		3618		560	3	5187
303 / 21	309 / 21	312 / 20	314 / 19.7	315 / 19.3	312 / 18.7	296 / 18.2	275 / 17.6	259 / 17.1						
16556	16038	15427	14754	14078	13283	12187	10640	9371		3619		580	5	5372
336 / 22	342 / 22	347 / 22	349 / 21	350 / 21	349 / 20	338 / 19.5	315 / 19.0	299 / 18.5						
17698	17218	16663	16040	15416	14752	13951	12842	11372	8936	3620		620	5	5742
411 / 25	417 / 25	422 / 24	425 / 24	427 / 24	428 / 23	425 / 23	410 / 22	385 / 21	347 / 20					
18269	17806	17275	16680	16072	15450	14727	13803	12509	10068	3621		640	5	5928
452 / 26	459 / 26	464 / 26	467 / 25	469 / 25	470 / 25	469 / 24	460 / 24	437 / 23	397 / 22					
18840	18393	17884	17315	16722	16130	15470	14678	13586	11030	3622		660	5	6113
496 / 28	503 / 27	508 / 27	512 / 27	514 / 27	516 / 26	515 / 26	511 / 25	493 / 25	446 / 23					

Power Ratings (BHP) does not include drive losses.

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

Performance ratings include the effects of birdscreens in the airstream.

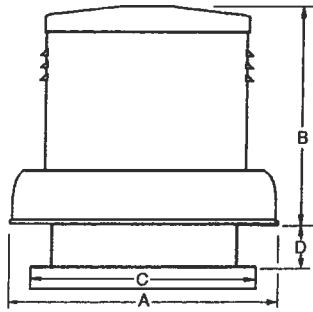
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A-free inlet fan sone levels.



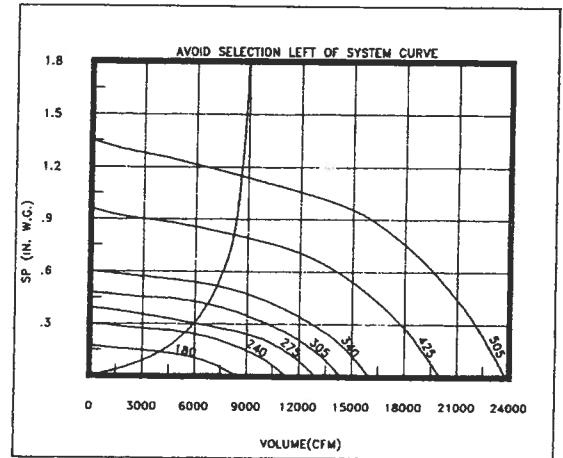
Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



UL STANDARD 705
UL Canada



Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.
48	50-1/4	53-1/4	67-3/4	49-1/4	55	11	425	700



Model RDB42

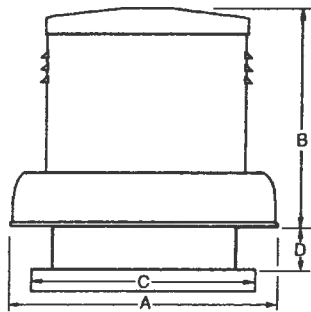
CFM / BHP @ Static Pressure / Sones											DRIVE RANGE	RPM	HP	TIP SPEED
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER				
8498	4889									4201	D P 6 8	180	1/2	1966
.22 / 4.8	.20 / 4.4									4202		195	1/2	2129
.28 / 5.5	.28 / 5.1									4203		210	1/2	2293
.35 / 6.3	.36 / 5.9									4204		225	1/2	2457
10622	8475									4205	D P 7 0	240	1/2	2621
.43 / 7.1	.45 / 6.8									4206		260	3/4	2839
11330	9396	4910								4207		275	3/4	3003
.52 / 7.9	.55 / 7.6	.40 / 7.4								4208		290	1	3167
12275	10579	7451								4209	D P 7 1	305	1	3331
.66 / 9.0	.70 / 8.8	.62 / 8.6								4210		325	1-1/2	3549
12983	11450	8825								4211		340	1-1/2	3713
.78 / 9.8	.83 / 9.5	.78 / 9.2								4212		355	2	3877
13691	12288	10034	4980							4213	D P 7 2	370	2	4040
.92 / 10.5	.97 / 10.2	.94 / 9.9	.63 / 9.8							4214		380	2	4150
14399	13101	11116	7740							4215		400	3	4368
1.07 / 11.4	1.12 / 11.0	1.12 / 10.7	.95 / 10.5							4216		425	3	4641
15343	14142	12411	9744							4217	D P 7 3	435	5	4750
1.29 / 12.7	1.35 / 12.3	1.36 / 11.9	1.25 / 11.7							4218		450	5	4914
16051	14909	13323	11079	7073						4219		465	5	5078
1.48 / 13.6	1.54 / 13.2	1.56 / 12.9	1.48 / 12.6	1.16 / 12.6						4220		485	5	5296
16760	15670	14209	12276	9251						4221	D P 7 4	500	5	5460
1.68 / 14.6	1.75 / 14.3	1.78 / 13.9	1.73 / 13.6	1.51 / 13.5						4222		505	5	5515
17468	16424	15097	13368	10756										
1.91 / 15.7	1.97 / 15.4	2.01 / 15.1	1.99 / 14.7	1.81 / 14.6										
17940	16925	15681	14051	11690	7879									
2.07 / 16.4	2.13 / 16.0	2.18 / 15.8	2.17 / 15.5	2.02 / 15.4	1.61 / 15.3									
18884	17921	16818	15321	13399	10674									
2.41 / 17.7	2.47 / 17.5	2.54 / 17.2	2.54 / 16.9	2.44 / 16.7	2.19 / 16.6									
20064	19158	18187	16827	15279	13084	10122								
2.89 / 19.6	2.96 / 19.4	3.04 / 19.1	3.05 / 18.9	3.01 / 18.6	2.82 / 18.5	2.46 / 18.5								
20536	19650	18722	17415	15970	13969	11354								
3.10 / 20	3.17 / 20	3.26 / 19.9	3.27 / 19.7	3.25 / 19.4	3.08 / 19.3	2.79 / 19.2								
21245	20388	19503	18303	16950	15203	12874	9401							
3.43 / 22	3.50 / 21	3.59 / 21	3.62 / 21	3.61 / 21	3.49 / 21	3.23 / 20	2.69 / 20							
21953	21123	20276	19182	17883	16350	14281	11720							
3.78 / 23	3.85 / 23	3.95 / 22	4.00 / 22	3.99 / 22	3.91 / 22	3.69 / 22	3.34 / 22							
22897	22101	21297	20323	19089	17764	16014	13804	10779						
4.29 / 24	4.36 / 24	4.47 / 24	4.53 / 24	4.53 / 24	4.50 / 24	4.33 / 23	4.04 / 23	3.51 / 23						
23605	22832	22057	21158	19975	18753	17204	15217	12857						
4.71 / 26	4.78 / 26	4.88 / 25	4.96 / 25	4.96 / 25	4.95 / 25	4.82 / 25	4.57 / 25	4.20 / 25						
23841	23076	22309	21432	20267	19070	17584	15675	13399						
4.85 / 26	4.92 / 26	5.02 / 26	5.11 / 26	5.11 / 25	5.11 / 25	4.99 / 25	4.75 / 25	4.40 / 25						

Power Ratings (BHP) does not include drive losses.
 Performance shown 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 Installation Type A-free inlet fan sone levels.

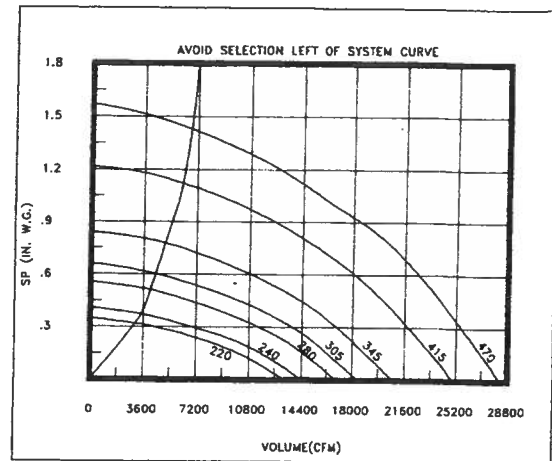


Quietaire certifies that the Models RDB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.





Dimensional Data								
Damper O.D.	Roof Opening	Curb O.D.	A	B	C	D	FAN WT.	TRUCK WT.
48	50-1/4	53-1/4	67-3/4	51-1/2	55	13-1/4	550	830



Model RDB48

RDB48

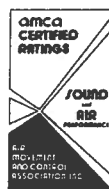
CFM / BHP @ Static Pressure / Sones											DRIVE RANGE	RPM	HP	TIP SPEED
0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	CATALOG NUMBER				
10045 .32 / 5.0	5359 .26 / 4.6									4801	D P 7 5 1	165	1/2	2037
10654 .39 / 5.5	6437 .33 / 5.0									4802	D P 7 5 1	175	1/2	2161
11567 .49 / 6.4	7829 .43 / 5.7									4803	D P 7 5 1	190	1/2	2347
12176 .58 / 7.0	8757 .52 / 6.3									4804	D P 7 5 1	200	3/4	2470
13275 .77 / 8.4	10548 .74 / 7.6	6116 .58 / 7.6								4805	D P 7 5 1	220	3/4	2655
14002 .88 / 9.1	11417 .85 / 8.3	7192 .69 / 8.1								4806	D P 7 5 1	230	1	2841
14611 1.00 / 9.8	12186 .97 / 9.0	8318 .82 / 8.6								4807	D P 7 5 1	240	1	2964
15524 1.19 / 10.6	13225 1.16 / 9.8	9822 1.03 / 9.4	5606 .80 / 9.8							4808	D P 7 5 1	255	1-1/2	3149
16895 1.58 / 11.9	14823 1.57 / 11.3	8833 1.49 / 10.7	2969 1.27 / 10.9							4809	D P 7 5 1	280	1-1/2	3335
17655 1.76 / 12.5	15564 1.72 / 11.9	9755 1.61 / 11.3	5839 1.43 / 11.4							4810	D P 7 5 1	290	2	3582
18404 2.05 / 13.3	16508 2.04 / 12.8	11623 1.96 / 12.3	7789 1.80 / 12.3							4811	D P 7 5 1	305	2	3705
19481 2.36 / 14.1	17556 2.32 / 13.7	12736 2.27 / 13.4	5892 2.03 / 13.2							4812	D P 7 5 1	320	3	3952
19786 2.47 / 14.4	17895 2.44 / 14.1	10140 2.38 / 13.8	6643 2.14 / 13.5							4813	D P 7 5 1	325	3	4014
21003 2.96 / 16.0	19243 2.93 / 15.7	15033 2.87 / 15.3	9228 2.64 / 15.0	5498 2.49 / 15.2						4814	D P 7 5 1	345	3	4261
22221 3.50 / 17.7	20583 3.48 / 17.3	16904 3.41 / 17.0	8509 3.28 / 16.7	11528 3.01 / 16.5						4815	D P 7 5 1	365	5	4508
22829 3.80 / 18.5	21248 3.77 / 18.1	17808 3.71 / 17.8	9759 3.61 / 17.5	6350 3.28 / 17.2						4816	D P 7 5 1	375	5	4631
24047 4.44 / 20	22570 4.42 / 19.9	19505 4.34 / 19.6	12071 4.27 / 19.2	9289 3.92 / 18.9						4817	D P 7 5 1	395	5	4878
25041 5.16 / 22	23683 5.16 / 22	20797 5.14 / 21	12720 5.03 / 21	11899 4.90 / 21						4818	D P 7 5 1	415	5	5310
26178 5.73 / 24	24856 5.72 / 23	22107 5.62 / 23	13421 5.57 / 23	10900 5.43 / 22						4819	D P 7 5 1	430	7-1/2	5434
26787 6.14 / 25	25504 6.13 / 24	22793 6.03 / 24	12099 5.97 / 24	12099 5.86 / 23						4820	D P 7 5 1	440	7-1/2	5619
27700 6.79 / 26	26472 6.78 / 26	23809 6.68 / 25	13814 6.62 / 25	8702 6.53 / 25						4821	D P 7 5 1	455	7-1/2	5804
28613 7.48 / 28	27435 7.48 / 27	26008 7.38 / 27	10826 7.30 / 27	15532 7.23 / 26						4822	D P 7 5 1	470	7-1/2	5990

Power Ratings (BHP) does not include drive losses.

Performance shown 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 Installation Type A-free inlet fan sone levels.



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Chemical Resistance Chart

REAGENT INVOLVED	PAINT SYSTEM				
	NON-COATED 3003 ALLOY ALUMINUM	AIR DRIED ALKYD ENAMEL	BAKED EPOXY	SYNTHETIC RESIN (EISEN-HEISS)	PHENOLIC (HERESITE)
	300°F	200°F	250°F	300°F	140°F
MAXIMUM TEMPERATURE (°F)	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
CHLOROBENZENE	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 (EISEN-HEISS)	PHENOLIC (HERESITE)
	300°F	200°F	250°F	300°F	140°F
MAXIMUM TEMPERATURE (°F)	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.

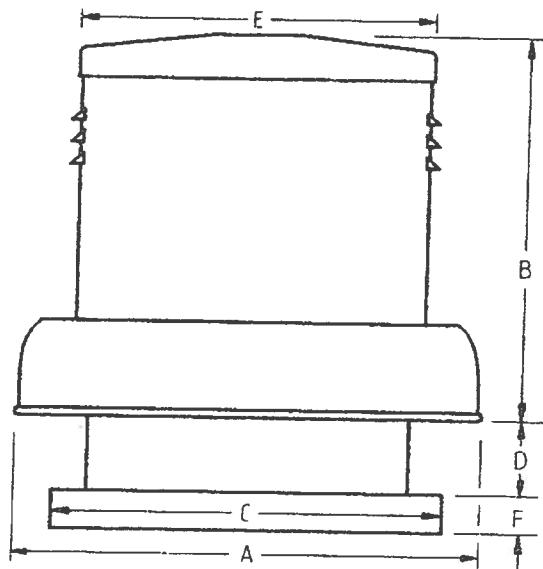
U — Unsatisfactory for use against corrosive agent listed.

N — No data available.

NOTE: Data presented is a summary of corrosion resistance characteristics of aluminum and the four coating systems shown. While a single "letter" rating and a single temperature cannot possibly 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.

DRAWINGS/DIMENSIONS

RDB - BELT DRIVE ROOF EXHAUST CENTRIFUGAL FAN



- 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								DAMPER OD			
	A	B	C	D	E	F	G	H		SKIRT	CURB CAP	MOTOR COVER
6-8-9	20-5/8	20	16-1/2	4-1/8	16-3/8	1-3/4	15	11-1/2	11	.063	.063	.050
11-12-14	28-1/2	26-1/4	24	3-1/2	22-1/4	2	22-1/4	19-1/2	18	.080	.080	.050
16	32-3/4	32	24	6	24-1/4	2-1/2	22-1/4	19-1/2	18	.080	.080	.050
18	32-3/4	32	29-1/2	4-5/8	24-1/4	2-1/2	27-3/4	24-3/4	24	.080	.080	.050
20	42	30-5/8	29-1/2	4-5/8	24-1/4	2-1/2	27-3/4	24-3/4	24	.080	.080	.050
24	42	34-1/4	35-1/2	8	30-1/4	2-1/2	33-3/4	30-3/4	30	.080	.080	.050
30	58-5/8	41-1/2	42-1/2	5-3/8	42-1/4	2-1/2	40-3/4	37-3/4	36	.090	.090	.050
36	58-5/8	46	42-1/2	9-3/4	42-1/4	2-1/2	40-3/4	37-3/4	36	.090	.090	.050
42	67-3/4	49-1/4	55	11	53-3/4	2-1/2	53-1/4	50-1/4	48	.090	.090	.050
48	67-3/4	51-1/2	55	13-1/4	53-3/4	2-1/2	53-1/4	50-1/4	48	.090	.090	.050

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Quietaire (manufacturer), 505 North Hutcheson, Houston, Texas 77003 warrants equipment of its manufacture 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 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.

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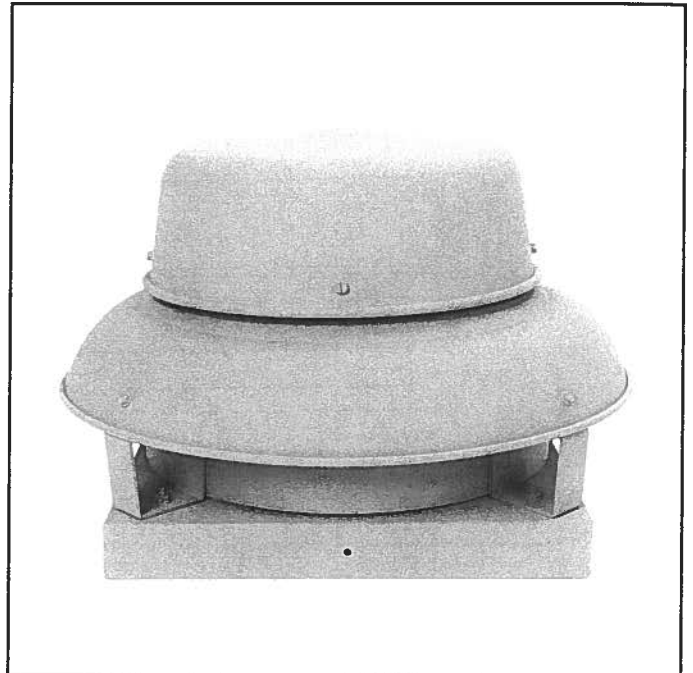
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