

OPERATION & INSTALLATION MANUALS

- ☐ Motor Replacement Instructions for Wallmount Fans
- ☐ Motor Replacement Instructions for motors with lugs and isolators (non wallmount)
- ☐ Operation & Installation Manual
- ☐ Operation & Installation Manual (Spanish)
- ☐ Operation & Installation Manual (French)

ADDITIONAL INFORMATION

- ☐ ECM Option
- ☐ Frequently Asked Fan Questions
- ☐ Motor Information
- ☐ Performance Data
- ☐ Request Product Information
- ☐ Written Specification

CERTIFICATIONS

FloAire certifies that Model DU10H thru DU360H shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311, and comply with the requirements of the AMCA Certified Rating Program.

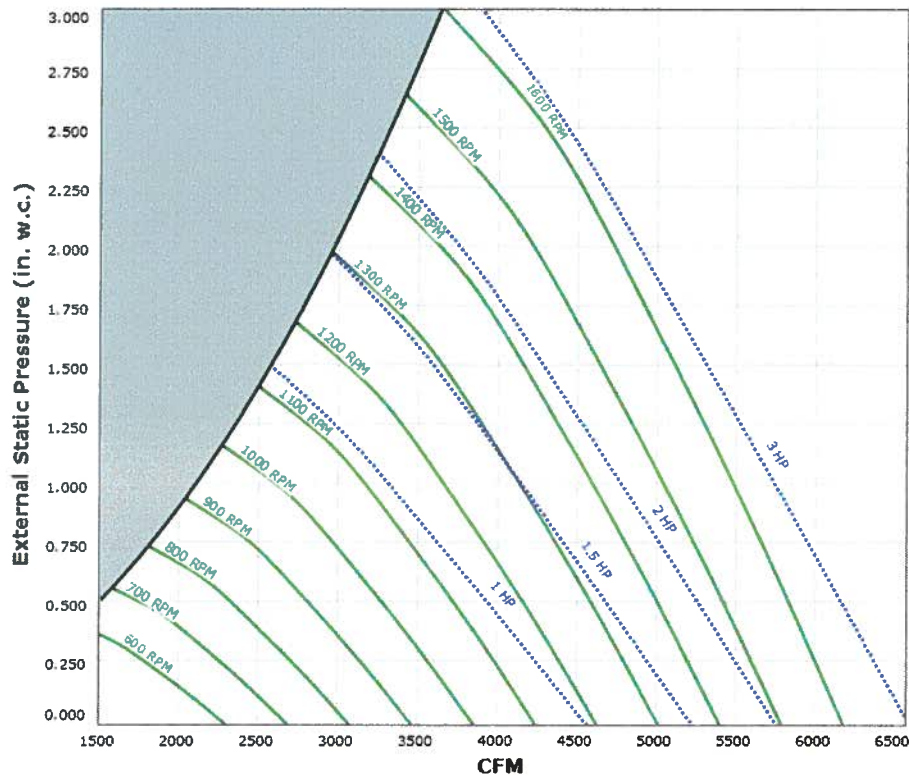
Models DU10H thru DU360H are ETL Listed under file number 3049729-002 and comply with UL705 (electrical) Standards and CSA Std C22.2, No 113.

Models DU12H thru DU360H are ETL Listed under file number 3049729-001 and comply with UL762 Standards.



Catalog #110F
February 2015

DU180H Performance Curve



Max Sizeable RPM = 1600 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream.

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February 2015

DU180H

CFM	Static Pressure in Inches W.G.											
	0.000	0.250	0.500	0.750	1.000	1.250	1.500	1.750	2.000	2.250	2.500	2.750
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
2500	655 7.4 / 0.17	750 9.5 / 0.28	833 10.3 / 0.40	907 11.0 / 0.52	978 11.8 / 0.66	1050 12.2 / 0.80						
3000	786 11.2 / 0.29	866 12.2 / 0.42	940 12.8 / 0.56	1007 13.0 / 0.70	1069 12.5 / 0.85	1129 13.8 / 1.01	1188 15.0 / 1.17	1248 16.1 / 1.35	1310 17.3 / 1.55			
3500	916 13.9 / 0.46	986 14.8 / 0.61	1052 14.6 / 0.77	1113 15.1 / 0.94	1170 16.4 / 1.10	1224 17.6 / 1.27	1276 18.0 / 1.45	1327 18.5 / 1.64	1377 19.0 / 1.83	1429 19.6 / 2.03	1481 21 / 2.25	1534 22 / 2.48
4000	1047 15.6 / 0.69	1108 17.1 / 0.86	1167 17.7 / 1.04	1224 19.4 / 1.23	1276 20 / 1.41	1326 20 / 1.60	1373 21 / 1.79	1420 21 / 2.00	1465 22 / 2.20	1510 22 / 2.41	1554 23 / 2.63	1599 23 / 2.86
4500	1178 19.0 / 0.98	1232 21 / 1.18	1286 22 / 1.38	1337 22 / 1.58	1386 23 / 1.79	1433 24 / 2.00	1477 24 / 2.21	1521 24 / 2.43	1562 25 / 2.65			
5000	1309 24 / 1.35	1358 24 / 1.56	1406 25 / 1.78	1453 25 / 2.01	1499 26 / 2.24	1543 27 / 2.47	1585 27 / 2.70					
5500	1440 27 / 1.80	1484 27 / 2.03	1528 28 / 2.27	1572 29 / 2.52								
6000	1571 31 / 2.33											

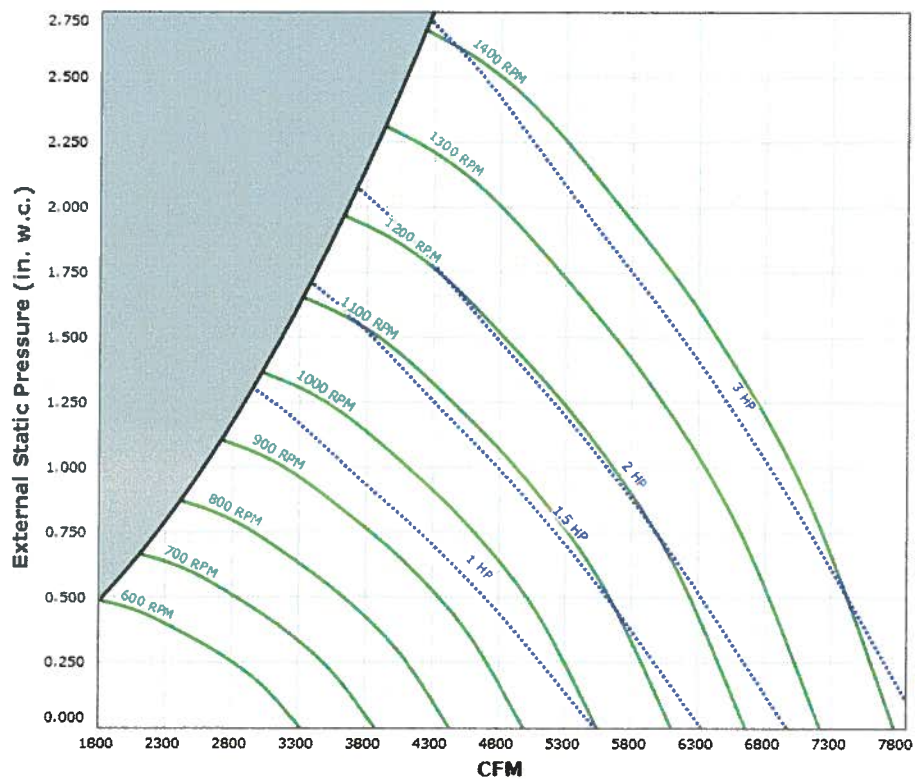
Max Sizeable RPM = 1600 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free Inlet hemispherical sone levels.

Catalog #110F

February 2015

DU200H Performance Curve



Max Sizeable RPM = 1400 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream.

Catalog #110F

February 2015

DU200H

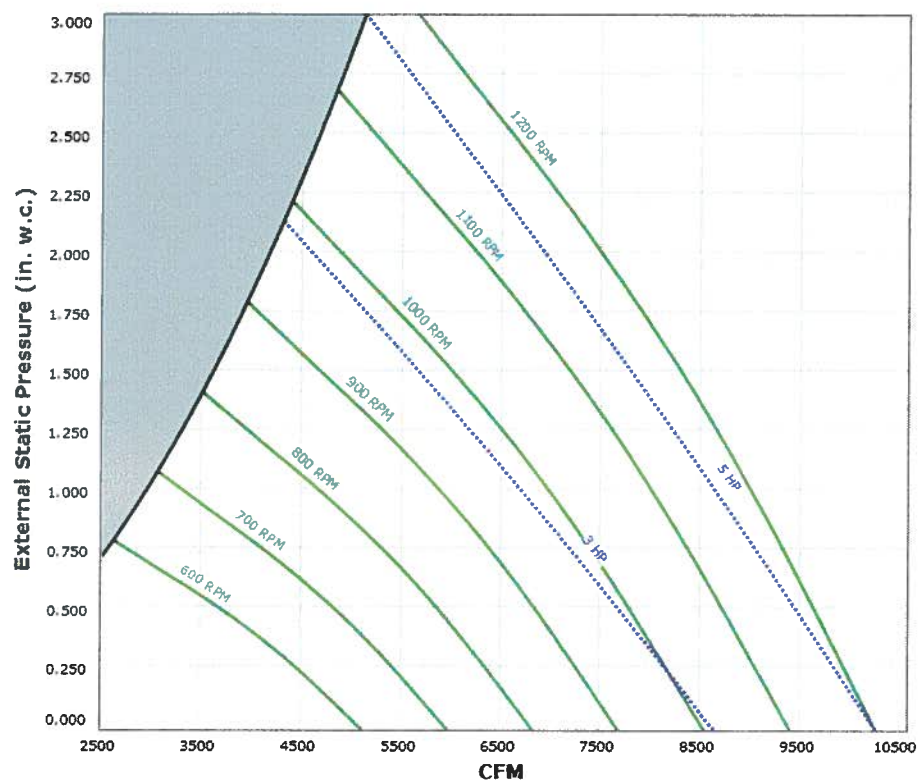
CFM	Static Pressure in Inches W.G.										
	0.000	0.250	0.500	0.750	1.000	1.250	1.500	1.750	2.000	2.250	2.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
3800	690 10.2 / 0.33	751 11.6 / 0.48	824 11.8 / 0.66	896 13.4 / 0.85	963 13.8 / 1.05	1030 15.3 / 1.27	1094 16.2 / 1.49	1156 17.8 / 1.72	1218 19.9 / 1.96		
4300	781 12.5 / 0.48	833 13.0 / 0.65	895 13.8 / 0.84	960 15.0 / 1.05	1024 16.3 / 1.27	1084 16.9 / 1.50	1143 18.0 / 1.74	1199 19.4 / 1.99	1255 21 / 2.24	1310 23 / 2.50	1365 26 / 2.78
4800	872 14.9 / 0.67	918 16.4 / 0.86	971 16.7 / 1.06	1029 17.6 / 1.28	1087 18.1 / 1.52	1144 19.2 / 1.77	1198 21 / 2.03	1251 22 / 2.29	1302 24 / 2.56	1352 25 / 2.84	
5300	962 18.0 / 0.90	1003 19.4 / 1.11	1051 19.4 / 1.33	1102 19.6 / 1.56	1154 21 / 1.82	1207 22 / 2.08	1258 24 / 2.36	1308 25 / 2.64	1356 27 / 2.93		
5800	1053 22 / 1.18	1090 22 / 1.40	1132 22 / 1.64	1177 23 / 1.89	1225 24 / 2.16	1273 26 / 2.44	1321 27 / 2.73				
6300	1144 25 / 1.51	1178 25 / 1.75	1215 26 / 2.01	1256 27 / 2.27	1299 28 / 2.55	1343 30 / 2.85					
6800	1235 29 / 1.90	1266 30 / 2.16	1300 31 / 2.43	1337 32 / 2.72							
7300	1326 35 / 2.35	1354 35 / 2.63	1385 36 / 2.92								

Max Sizeable RPM = 1400 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

Catalog #110F
February 2015

DU240H Performance Curve



Max Sizeable RPM = 1200 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream.

Catalog #110F

February 2015

DU240H

CFM	Static Pressure in Inches W.G.											
	0.000	0.250	0.500	0.750	1.000	1.250	1.500	1.750	2.000	2.250	2.500	2.750
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
5500	648 13.4 / 0.79	708 14.7 / 1.10	764 16.0 / 1.43	817 16.3 / 1.77	868 17.3 / 2.13	915 17.5 / 2.50	961 19.1 / 2.88	1004 21 / 3.28	1045 23 / 3.68	1084 24 / 4.09	1124 27 / 4.53	1161 29 / 4.97
6500	766 17.0 / 1.30	818 18.0 / 1.67	866 18.1 / 2.05	912 19.2 / 2.44	957 19.4 / 2.85	1000 21 / 3.27	1042 23 / 3.70	1083 24 / 4.14	1121 26 / 4.59			
7500	884 19.8 / 2.00	930 22 / 2.42	972 22 / 2.85	1013 23 / 3.29	1053 25 / 3.75	1092 27 / 4.22	1130 27 / 4.70					
8500	1002 25 / 2.91	1042 27 / 3.39	1081 28 / 3.87	1117 29 / 4.37	1153 31 / 4.87							
9500	1119 32 / 4.06	1156 35 / 4.59										

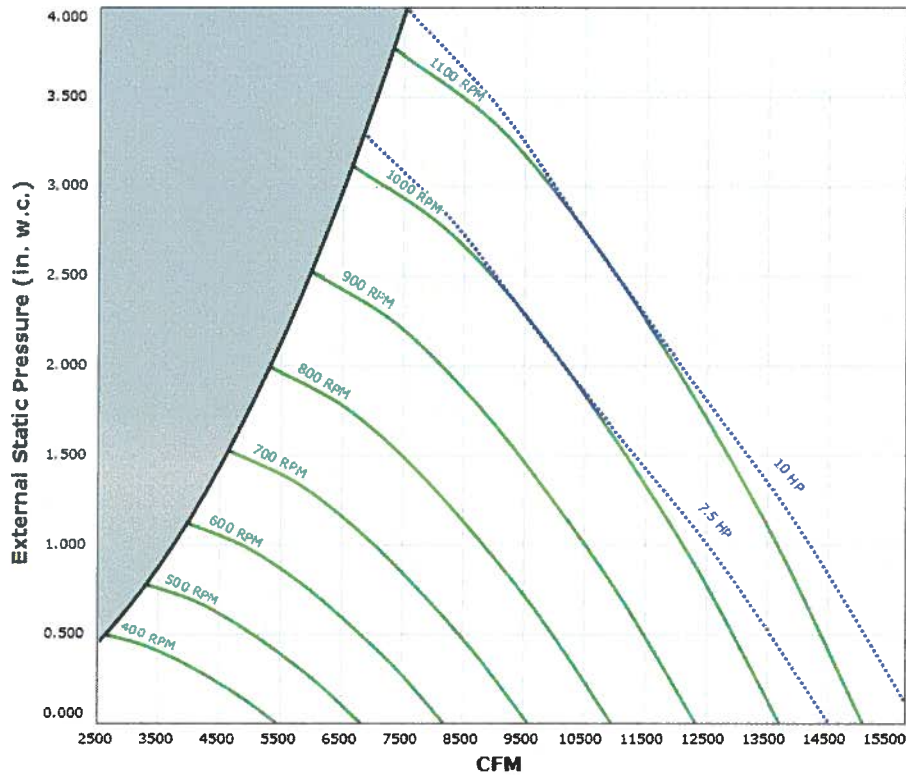
Max Sizeable RPM = 1200 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

Catalog #110F

February 2015

DU300H Performance Curve



Max Sizeable RPM = 1100 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream.

Catalog #110F

February 2015

DU300H

CFM	Static Pressure in Inches W.G.							
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
5500	409 8.0 / 0.43	528 10.9 / 1.10	628 12.9 / 1.85	721 15.5 / 2.67	811 17.9 / 3.61			
6500	483 11.3 / 0.71	587 12.8 / 1.47	677 15.1 / 2.33	759 16.4 / 3.24	837 19.0 / 4.21	914 21 / 5.28	990 24 / 6.48	
7500	557 13.3 / 1.09	648 14.8 / 1.94	731 16.9 / 2.92	806 17.8 / 3.93	876 21 / 4.98	941 22 / 6.03	1011 25 / 7.28	1077 29 / 8.56
8500	632 16.1 / 1.59	712 18.4 / 2.52	788 19.1 / 3.61	857 22 / 4.74	922 23 / 5.89	984 25 / 7.08	1045 28 / 8.32	
9500	706 18.8 / 2.21	778 22 / 3.23	848 23 / 4.42	913 25 / 5.67	973 26 / 6.94	1031 29 / 8.23	1087 31 / 9.55	
10500	780 22 / 2.99	846 25 / 4.09	910 26 / 5.38	971 28 / 6.73	1028 31 / 8.12	1082 33 / 9.53		
11500	854 28 / 3.93	914 28 / 5.11	974 31 / 6.48	1031 33 / 7.95	1084 35 / 9.46			
12500	929 32 / 5.04	984 33 / 6.30	1039 36 / 7.76	1092 38 / 9.33				
13500	1003 37 / 6.35	1054 39 / 7.69						
14500	1077 43 / 7.87							

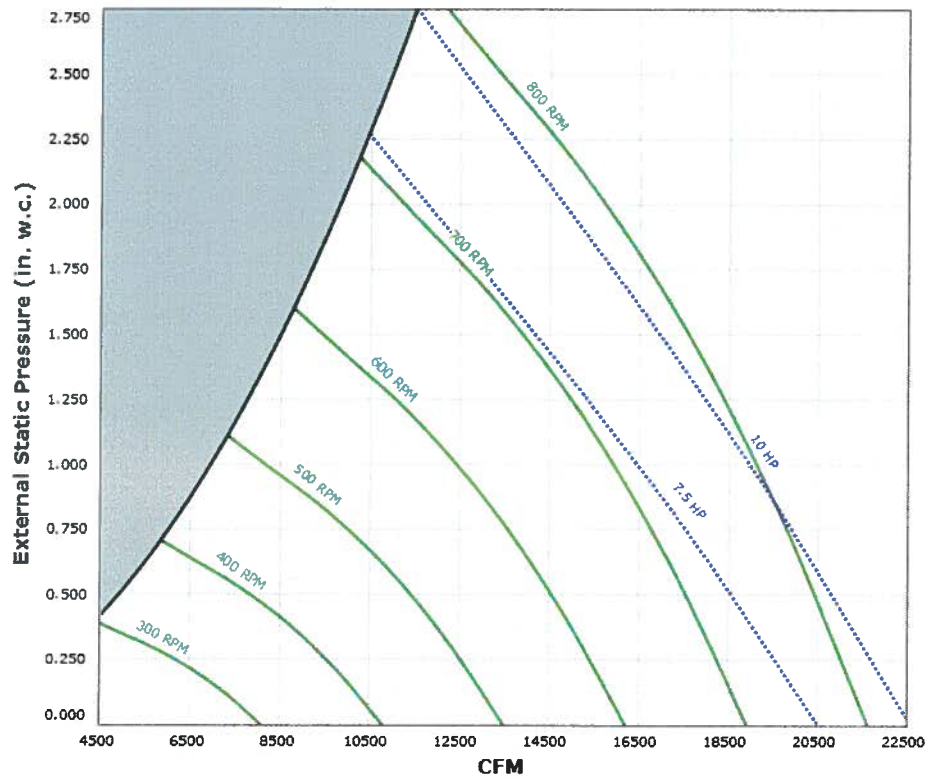
Max Sizeable RPM = 1100 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

Catalog #110F

February 2015

DU360H Performance Curve



Max Sizeable RPM = 800 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream.

Catalog #110F

February 2015

DU360H

CFM	Static Pressure In Inches W.G.											
	0.000	0.250	0.500	0.750	1.000	1.250	1.500	1.750	2.000	2.250	2.500	
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
8500	315 8.3 / 0.53	366 10.4 / 1.00	416 12.5 / 1.53	463 14.8 / 2.10	506 16.9 / 2.71	547 19.2 / 3.36	587 22 / 4.06					
10500	389 12.4 / 1.01	430 14.4 / 1.56	472 16.1 / 2.18	512 18.1 / 2.84	550 20 / 3.54	587 22 / 4.27	621 24 / 5.03	655 27 / 5.82	688 29 / 6.65	720 32 / 7.52		
12500	463 17.1 / 1.70	498 18.9 / 2.34	533 21 / 3.05	567 22 / 3.80	601 24 / 4.59	634 26 / 5.41	665 28 / 6.25	696 31 / 7.13	725 33 / 8.02	754 35 / 8.95	782 37 / 9.90	
14500	537 22 / 2.65	567 24 / 3.39	597 26 / 4.18	627 28 / 5.02	657 30 / 5.89	686 32 / 6.80	715 34 / 7.74	743 36 / 8.71	770 37 / 9.69			
16500	611 28 / 3.90	637 30 / 4.74	664 33 / 5.62	690 34 / 6.54	717 36 / 7.51	743 38 / 8.50	769 39 / 9.53					
18500	685 35 / 5.49	709 37 / 6.43	732 40 / 7.40	756 42 / 8.42	779 43 / 9.47							
20500	759 43 / 7.47	780 45 / 8.50										

Max Sizeable RPM = 800 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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