

RA-RE1800DD Performance Table

RA-RE1800DD

CFM	Discharge Velocity FPM	Static Pressure in Inches W.G.						
		0.000	0.500	1.000	1.500	2.000	2.500	3.000
		RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
500	290		750 7.1 / 0.12	1042 12.2 / 0.30	1269 17.6 / 0.51	1462 23 / 0.75	1634 27 / 1.03	1786 30 / 1.32
1000	580	511 3.5 / 0.05	865 8.9 / 0.21	1111 13.7 / 0.44	1318 18.8 / 0.69	1499 24 / 0.99	1664 27 / 1.31	1815 31 / 1.65
1500	870	766 7.3 / 0.16	1042 12.2 / 0.39	1250 17.1 / 0.65	1430 22 / 0.96	1592 26 / 1.29	1740 29 / 1.66	1877 33 / 2.04
2000	1160	1021 11.8 / 0.37	1246 17.0 / 0.67	1428 22 / 0.99	1586 26 / 1.34	1730 29 / 1.72	1864 33 / 2.13	
2500	1450	1276 17.7 / 0.72	1465 23 / 1.10	1624 27 / 1.48	1767 30 / 1.88	1897 34 / 2.30		
3000	1740	1531 24 / 1.25	1693 28 / 1.70	1835 32 / 2.15				
3500	2030	1786 30 / 1.98						

Max Sizeable RPM = 1900 RPM. Table shown extended beyond this point for reference only.

Max discharge velocity for restaurant applications is 1800 fpm. This equates to 3104 cfm.

Motor 00112ET3H145T-W22 has an rpm range of 500 to 1150.

Motor 00112OT3H145T-S has an rpm range of 500 to 1150.

Motor 00218ET3H145T-W22 has an rpm range of 500 to 1750.

Motor 00218OT3E56Z-S48PP has an rpm range of 500 to 1700.

Motor 00218OT3H145T-S has an rpm range of 500 to 1750.

Motor 00318OT3E56Z-48PP has an rpm range of 500 to 1730.

Motor DTP0016 has an rpm range of 500 to 1150.

Motor DTP0016-50 has an rpm range of 500 to 958.

Motor DTP0024 has an rpm range of 500 to 1740.

Motor DTP0024-50HZ has an rpm range of 500 to 1415.

Motor DTP1/54 has an rpm range of 500 to 1750.

Motor GP0016 has an rpm range of 500 to 1150.

Motor GP0016-50 has an rpm range of 500 to 958.

Motor GP0024 has an rpm range of 500 to 1740.

Motor GP0024-50 has an rpm range of 500 to 1440.

Motor NP0024 has an rpm range of 500 to 1740.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating (BHP) does not include transmission losses. 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 #112C

April 2022