

RA-RE1300BD Performance Table

RA-RE1300BD

| CFM | Discharge Velocity FPM | Static Pressure in Inches W.G. | | | | | | |
|------|---------------------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | 0.000 | 0.125 | 0.250 | 0.375 | 0.500 | 0.625 | 0.750 |
| | | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP |
| 100 | 104 | | | 649 2.3 / 0.03 | 794 4.1 / 0.05 | 909 5.5 / 0.08 | 1020 6.8 / 0.11 | |
| 200 | 209 | | | 671 2.5 / 0.04 | 810 4.4 / 0.06 | 930 5.7 / 0.09 | 1036 7.1 / 0.12 | 1130 8.5 / 0.15 |
| 300 | 313 | | | 709 3.0 / 0.04 | 838 4.7 / 0.07 | 952 6.0 / 0.10 | 1056 7.3 / 0.14 | 1149 8.8 / 0.17 |
| 400 | 417 | | 626 2.3 / 0.03 | 766 3.8 / 0.06 | 885 5.3 / 0.09 | 990 6.5 / 0.12 | 1087 7.8 / 0.16 | 1176 9.2 / 0.20 |
| 500 | 522 | | 705 3.2 / 0.05 | 835 4.8 / 0.08 | 945 6.0 / 0.11 | 1044 7.3 / 0.15 | 1134 8.6 / 0.18 | 1220 10.0 / 0.23 |
| 600 | 626 | 622 2.6 / 0.03 | 789 4.5 / 0.07 | 910 5.7 / 0.10 | 1014 7.0 / 0.14 | 1107 8.3 / 0.18 | 1190 9.6 / 0.22 | 1271 10.9 / 0.26 |
| 700 | 730 | 725 3.9 / 0.05 | 877 5.7 / 0.09 | 992 6.9 / 0.13 | 1089 8.1 / 0.17 | 1176 9.4 / 0.21 | 1257 10.7 / 0.26 | 1331 12.1 / 0.30 |
| 800 | 835 | 829 5.4 / 0.08 | 966 6.9 / 0.12 | 1075 8.3 / 0.17 | 1168 9.5 / 0.21 | 1252 10.7 / 0.26 | 1327 12.1 / 0.31 | 1399 13.3 / 0.36 |
| 900 | 939 | 933 6.7 / 0.11 | 1058 8.3 / 0.16 | 1161 9.9 / 0.21 | 1250 11.1 / 0.26 | 1329 12.3 / 0.31 | 1402 13.4 / 0.36 | 1471 14.9 / 0.42 |
| 1000 | 1043 | 1035 8.2 / 0.15 | 1151 9.9 / 0.21 | 1248 11.5 / 0.26 | 1034 7.2 / 0.15 | 1410 14.0 / 0.38 | 1481 15.2 / 0.43 | 1548 16.4 / 0.49 |
| 1100 | 1148 | 1139 10.0 / 0.21 | 1246 11.7 / 0.27 | 1338 13.2 / 0.33 | 1419 14.7 / 0.39 | 1495 16.1 / 0.45 | 1562 17.1 / 0.51 | |

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

Max discharge velocity for restaurant applications is 1800 fpm. This equates to 1725 cfm.

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 #112R

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