

PERFORMANCE DATA: MODELS RPL AND RPLPL

| Nom. Size | Nozzle Velocity, FPM | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 |
|-----------|----------------------|----------|----------|-----------|-----------|-----------|------------|------------|
| 3 | Airflow, CFM | 14 | 22 | 29 | 36 | 43 | 50 | 58 |
| | Static Pressure | 0.03 | 0.07 | 0.13 | 0.20 | 0.28 | 0.39 | 0.50 |
| | Noise Criteria | — | — | — | 19 | 23 | 26 | 30 |
| | Throw | 2-4-8 | 3-6-13 | 4-8-15 | 5-11-16 | 6-12-17 | 7-13-20 | 8-14-21 |
| 4 | Airflow, CFM | 22 | 33 | 44 | 55 | 66 | 77 | 88 |
| | Static Pressure | 0.03 | 0.07 | 0.13 | 0.20 | 0.28 | 0.39 | 0.50 |
| | Noise Criteria | — | — | — | 19 | 23 | 26 | 30 |
| | Throw | 3-6-12 | 4-8-17 | 6-12-23 | 8-16-24 | 9-18-27 | 10-21-30 | 12-22-32 |
| 6 | Airflow, CFM | 49 | 74 | 98 | 123 | 147 | 172 | 196 |
| | Static Pressure | 0.05 | 0.12 | 0.22 | 0.34 | 0.49 | 0.66 | 0.86 |
| | Noise Criteria | — | — | 15 | 21 | 25 | 29 | 33 |
| | Throw | 4-8-16 | 6-12-23 | 8-16-27 | 10-20-30 | 12-21-32 | 14-25-36 | 16-26-38 |
| 8 | Airflow, CFM | 104 | 157 | 209 | 261 | 313 | 365 | 418 |
| | Static Pressure | 0.06 | 0.14 | 0.24 | 0.38 | 0.53 | 0.70 | 0.92 |
| | Noise Criteria | — | — | 17 | 24 | 30 | 35 | 38 |
| | Throw | 6-11-23 | 8-17-34 | 11-23-39 | 14-28-44 | 17-31-46 | 20-35-52 | 23-38-55 |
| 10 | Airflow, CFM | 180 | 270 | 361 | 451 | 541 | 631 | 721 |
| | Static Pressure | 0.07 | 0.15 | 0.25 | 0.39 | 0.56 | 0.74 | 0.96 |
| | Noise Criteria | — | — | 21 | 29 | 35 | 40 | 45 |
| | Throw | 7-15-30 | 11-22-45 | 15-30-51 | 19-37-57 | 22-41-61 | 26-47-69 | 30-50-72 |
| 12 | Airflow, CFM | 297 | 445 | 593 | 742 | 890 | 1038 | 1187 |
| | Static Pressure | 0.07 | 0.15 | 0.26 | 0.40 | 0.58 | 0.78 | 1.01 |
| | Noise Criteria | — | — | 24 | 32 | 38 | 44 | 47 |
| | Throw | 10-19-38 | 14-29-57 | 19-38-65 | 24-48-74 | 29-52-78 | 33-60-88 | 38-64-93 |
| 14 | Airflow, CFM | 406 | 609 | 811 | 1014 | 1217 | 1420 | 1623 |
| | Static Pressure | 0.07 | 0.15 | 0.26 | 0.41 | 0.58 | 0.79 | 1.02 |
| | Noise Criteria | — | 15 | 25 | 33 | 39 | 44 | 48 |
| | Throw | 11-22-45 | 17-33-67 | 22-45-76 | 28-56-86 | 33-61-91 | 39-70-103 | 45-75-108 |
| 16 | Airflow, CFM | 518 | 778 | 1036 | 1296 | 1555 | 1815 | 2074 |
| | Static Pressure | 0.07 | 0.14 | 0.26 | 0.41 | 0.58 | 0.80 | 1.03 |
| | Noise Criteria | — | 16 | 26 | 33 | 39 | 44 | 49 |
| | Throw | 13-25-50 | 19-38-76 | 25-50-86 | 32-63-97 | 38-69-103 | 44-79-117 | 50-84-122 |
| 18 | Airflow, CFM | 601 | 902 | 1202 | 1503 | 1804 | 2105 | 2406 |
| | Static Pressure | 0.06 | 0.13 | 0.24 | 0.37 | 0.54 | 0.74 | 0.96 |
| | Noise Criteria | — | 16 | 26 | 33 | 39 | 44 | 49 |
| | Throw | 14-27-54 | 20-41-81 | 27-54-105 | 34-68-110 | 41-74-111 | 47-85-126 | 54-91-132 |
| 20 | Airflow, CFM | 835 | 1253 | 1670 | 2088 | 2506 | 2924 | 3341 |
| | Static Pressure | 0.06 | 0.12 | 0.22 | 0.34 | 0.49 | 0.68 | 0.88 |
| | Noise Criteria | — | 17 | 27 | 34 | 40 | 46 | 51 |
| | Throw | 16-32-64 | 24-48-96 | 32-64-110 | 40-80-123 | 48-87-131 | 56-100-148 | 64-107-155 |

Performance Notes:

- AIRFLOW CFM:** Standard air density and isothermal conditions.
- STATIC PRESSURE:** Inches of water gauge required.
- NOISE CRITERIA:** Noise Criteria [NC] curve which is not exceeded with a Room Attenuation of 10 dB and based on Sound Power Level, re 10⁻¹² watts.
- THROW:** Projection distance in feet from outlet at which the maximum velocity from outlet has reduced to 400, 200 and 100 fpm respectively.
- NOZZLE VELOCITY:** Nozzle Discharge Velocity in feet per minute [fpm].
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.