

## PERFORMANCE DATA:

### MODEL RPLP

Nom. Size	Nozzle Velocity, FPM	1000	1500	2000	2500	3000	3500	4000
<b>4</b> [2 Units]	Airflow, CFM	<b>44</b>	<b>66</b>	<b>88</b>	<b>110</b>	<b>132</b>	<b>154</b>	<b>176</b>
	Static Pressure	0.03	0.07	0.13	0.20	0.28	0.39	0.50
	Noise Criteria	<20	<20	<20	22	26	29	33
	Throw	4-8-16	6-12-23	8-16-32	11-22-34	13-26-38	14-28-42	16-31-45
<b>4</b> [4 Units]	Airflow, CFM	<b>88</b>	<b>132</b>	<b>176</b>	<b>220</b>	<b>264</b>	<b>308</b>	<b>352</b>
	Static Pressure	0.03	0.07	0.13	0.20	0.28	0.39	0.50
	Noise Criteria	<20	<20	21	25	29	32	36
	Throw	6-12-24	8-16-34	12-24-46	16-32-48	18-36-54	20-41-60	24-44-64
<b>6</b> [2 Units]	Airflow, CFM	<b>98</b>	<b>148</b>	<b>196</b>	<b>246</b>	<b>294</b>	<b>344</b>	<b>392</b>
	Static Pressure	0.05	0.12	0.22	0.34	0.49	0.66	0.86
	Noise Criteria	<20	<20	20	24	28	32	36
	Throw	6-12-24	8-16-31	11-22-38	14-28-42	17-29-45	19-35-50	22-36-53
<b>6</b> [4 Units]	Airflow, CFM	<b>196</b>	<b>296</b>	<b>392</b>	<b>492</b>	<b>588</b>	<b>688</b>	<b>784</b>
	Static Pressure	0.05	0.12	0.22	0.34	0.49	0.66	0.86
	Noise Criteria	<20	<20	23	27	31	35	39
	Throw	8-16-32	12-24-46	16-32-54	20-40-60	24-42-64	28-50-72	32-52-76
<b>8</b> [2 Units]	Airflow, CFM	<b>208</b>	<b>314</b>	<b>418</b>	<b>522</b>	<b>626</b>	<b>730</b>	<b>836</b>
	Static Pressure	0.06	0.14	0.24	0.38	0.53	0.70	0.92
	Noise Criteria	<20	<20	20	27	33	38	41
	Throw	8-16-32	11-22-44	15-30-55	19-39-62	24-43-64	28-49-73	32-53-77
<b>8</b> [4 Units]	Airflow, CFM	<b>416</b>	<b>628</b>	<b>836</b>	<b>1044</b>	<b>1252</b>	<b>1460</b>	<b>1672</b>
	Static Pressure	0.06	0.14	0.24	0.38	0.53	0.70	0.92
	Noise Criteria	<20	<20	23	30	36	41	44
	Throw	12-22-46	16-34-68	22-45-78	28-56-88	34-62-92	40-70-104	46-76-110
<b>10</b> [2 Units]	Airflow, CFM	<b>360</b>	<b>540</b>	<b>722</b>	<b>902</b>	<b>1082</b>	<b>1262</b>	<b>1442</b>
	Static Pressure	0.07	0.15	0.25	0.39	0.56	0.74	0.96
	Noise Criteria	<20	<20	24	32	38	43	48
	Throw	9-18-36	15-30-61	21-42-71	27-63-80	31-57-85	36-66-97	42-70-101
<b>10</b> [4 Units]	Airflow, CFM	<b>720</b>	<b>1080</b>	<b>1444</b>	<b>1804</b>	<b>2164</b>	<b>2524</b>	<b>2884</b>
	Static Pressure	0.07	0.15	0.25	0.39	0.56	0.74	0.96
	Noise Criteria	<20	20	27	35	41	46	51
	Throw	14-30-60	22-44-90	30-60-102	38-74-114	44-82-122	52-94-138	60-100-144
<b>12</b> [2 Units]	Airflow, CFM	<b>594</b>	<b>890</b>	<b>1186</b>	<b>1484</b>	<b>1780</b>	<b>2076</b>	<b>2374</b>
	Static Pressure	0.07	0.15	0.26	0.40	0.58	0.78	1.01
	Noise Criteria	<20	<20	27	35	41	47	50
	Throw	14-27-53	20-41-80	27-53-91	34-67-104	41-73-109	46-84-123	53-90-130
<b>12</b> [4 Units]	Airflow, CFM	<b>1188</b>	<b>1780</b>	<b>2372</b>	<b>2968</b>	<b>3560</b>	<b>4152</b>	<b>4748</b>
	Static Pressure	0.07	0.15	0.26	0.40	0.58	0.78	1.01
	Noise Criteria	<20	21	30	38	44	50	53
	Throw	20-38-76	28-58-114	38-76-130	48-96-148	58-104-156	66-120-176	76-128-186

#### 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<sup>-12</sup> 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 – 2023.