

PERFORMANCE DATA**MSPLD with Pressurized Ceiling Plenum (Non-Ducted) - 1 Way**

| | | | | | | | | | | |
|-----------------------|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 24" Length | Airflow (cfm) | 130 | 155 | 180 | 205 | 230 | 255 | 280 | 305 | 330 |
| | Static Pressure (in. w.g.) | 0.160 | 0.224 | 0.299 | 0.385 | 0.481 | 0.587 | 0.703 | 0.829 | 0.966 |
| | Sound (NC) | - | 19 | 25 | 31 | 35 | 40 | 43 | 47 | 50 |
| | Throw (ft.) | 17-21-30 | 19-23-32 | 20-25-35 | 22-26-37 | 23-28-39 | 24-29-42 | 25-31-44 | 26-32-45 | 27-33-47 |
| 36" Length | Airflow (cfm) | 180 | 215 | 250 | 285 | 320 | 355 | 390 | 425 | 460 |
| | Static Pressure (in. w.g.) | 0.129 | 0.182 | 0.243 | 0.314 | 0.392 | 0.479 | 0.575 | 0.679 | 0.791 |
| | Sound (NC) | 18 | 24 | 30 | 36 | 40 | 45 | 48 | 52 | 55 |
| | Throw (ft.) | 18-23-33 | 21-25-36 | 22-27-38 | 24-29-41 | 25-31-44 | 26-32-46 | 28-34-48 | 29-35-50 | 30-37-52 |
| 48" Length | Airflow (cfm) | 230 | 275 | 320 | 365 | 410 | 455 | 500 | 545 | 590 |
| | Static Pressure (in. w.g.) | 0.116 | 0.163 | 0.219 | 0.282 | 0.353 | 0.432 | 0.518 | 0.612 | 0.713 |
| | Sound (NC) | - | 19 | 25 | 30 | 35 | 39 | 43 | 46 | 49 |
| | Throw (ft.) | 19-24-34 | 22-27-38 | 23-29-41 | 25-31-43 | 27-32-46 | 28-34-48 | 29-36-51 | 31-37-53 | 32-39-55 |
| 60" Length | Airflow (cfm) | 330 | 390 | 450 | 510 | 570 | 630 | 690 | 750 | 810 |
| | Static Pressure (in. w.g.) | 0.148 | 0.205 | 0.270 | 0.344 | 0.426 | 0.517 | 0.617 | 0.725 | 0.841 |
| | Sound (NC) | - | 18 | 23 | 28 | 32 | 36 | 40 | 43 | 46 |
| | Throw (ft.) | 22-27-38 | 24-29-41 | 26-31-45 | 27-34-47 | 29-35-50 | 30-37-53 | 32-39-55 | 33-41-58 | 35-42-60 |

For performance notes, see end of section.

PERFORMANCE DATA

MSPLD with Pressurized Ceiling Plenum (Non-Ducted) - 2 Way

| | Airflow (cfm) | 130 | 155 | 180 | 205 | 230 | 255 | 280 | 305 | 330 |
|-------------------|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 24" Length | Static Pressure (in. w.g.) | 0.160 | 0.224 | 0.299 | 0.385 | 0.481 | 0.587 | 0.703 | 0.829 | 0.966 |
| | Sound (NC) | - | 18 | 23 | 28 | 33 | 37 | 40 | 44 | 47 |
| | Throw (ft.) | 9-14-22 | 11-17-23 | 13-18-25 | 15-19-27 | 17-20-29 | 17-21-30 | 18-22-32 | 19-23-33 | 20-24-34 |
| 36" Length | Airflow (cfm) | 200 | 235 | 270 | 305 | 340 | 375 | 410 | 445 | 480 |
| | Static Pressure (in. w.g.) | 0.158 | 0.216 | 0.283 | 0.357 | 0.441 | 0.533 | 0.633 | 0.742 | 0.859 |
| | Sound (NC) | - | 21 | 26 | 31 | 35 | 39 | 42 | 46 | 48 |
| 48" Length | Airflow (cfm) | 250 | 295 | 340 | 385 | 430 | 475 | 520 | 565 | 610 |
| | Static Pressure (in. w.g.) | 0.136 | 0.187 | 0.246 | 0.313 | 0.387 | 0.469 | 0.559 | 0.656 | 0.761 |
| | Sound (NC) | - | 18 | 23 | 28 | 32 | 36 | 39 | 43 | 46 |
| 60" Length | Airflow (cfm) | 330 | 390 | 450 | 510 | 570 | 630 | 690 | 750 | 810 |
| | Static Pressure (in. w.g.) | 0.148 | 0.205 | 0.270 | 0.344 | 0.426 | 0.517 | 0.617 | 0.725 | 0.841 |
| | Sound (NC) | - | 20 | 24 | 28 | 33 | 37 | 40 | 44 | 47 |
| | Throw (ft.) | 12-18-25 | 15-19-27 | 17-21-29 | 18-22-31 | 19-23-33 | 20-25-35 | 21-26-36 | 22-27-38 | 23-28-39 |

Performance Notes:

1. Testing in accordance with ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on pressurized ceiling plenum application with no plenum effect for pressure or sound.
3. All pressures are in in. w.g.
4. Throw values are given for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC values are based on a room absorption of 10dB re 10-12 watts and one diffuser.
7. Blanks "-" indicate an NC level below 15.

PERFORMANCE DATA

MSPLD with Engineered Plenum - 1Way

| | | | | | | | | | | | |
|-------------------|------------------|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 24" Length | 6" Inlet | Airflow (cfm) | 80 | 105 | 130 | 155 | 180 | 205 | 230 | 255 | 280 |
| | | Total Pressure (in. wg.) | 0.064 | 0.112 | 0.173 | 0.246 | 0.331 | 0.426 | 0.531 | 0.644 | 0.766 |
| | | Static Pressure (in. wg.) | 0.053 | 0.094 | 0.145 | 0.207 | 0.278 | 0.358 | 0.445 | 0.539 | 0.639 |
| | | Sound (NC) | - | 19 | 25 | 31 | 35 | 40 | 43 | 47 | 50 |
| | 8" Inlet | Throw (ft.) | 10-15-23 | 13-19-27 | 17-21-30 | 19-23-32 | 20-25-35 | 22-26-37 | 23-28-39 | 24-29-42 | 25-31-44 |
| | | Airflow (cfm) | 80 | 110 | 140 | 170 | 200 | 230 | 260 | 290 | 320 |
| | | Total Pressure (in. wg.) | 0.057 | 0.110 | 0.179 | 0.264 | 0.362 | 0.472 | 0.593 | 0.724 | 0.863 |
| | | Static Pressure (in. wg.) | 0.053 | 0.103 | 0.169 | 0.249 | 0.341 | 0.445 | 0.559 | 0.681 | 0.810 |
| 36" Length | 6" Inlet | Sound (NC) | - | 16 | 23 | 29 | 34 | 39 | 42 | 46 | 50 |
| | | Throw (ft.) | 10-15-23 | 14-19-27 | 18-22-31 | 20-24-34 | 21-26-37 | 23-28-39 | 24-30-42 | 26-31-44 | 27-33-47 |
| | | Airflow (cfm) | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 |
| | | Total Pressure (in. wg.) | 0.116 | 0.159 | 0.209 | 0.265 | 0.327 | 0.394 | 0.468 | 0.547 | 0.631 |
| | 8" Inlet | Static Pressure (in. wg.) | 0.080 | 0.110 | 0.144 | 0.183 | 0.226 | 0.272 | 0.322 | 0.376 | 0.432 |
| | | Sound (NC) | 22 | 27 | 31 | 35 | 38 | 41 | 44 | 47 | 49 |
| | | Throw (ft.) | 15-21-30 | 18-23-32 | 20-24-34 | 21-26-37 | 22-27-38 | 23-29-40 | 24-30-42 | 25-31-44 | 26-32-46 |
| | | Airflow (cfm) | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 390 |
| 48" Length | 8" Inlet | Total Pressure (in. wg.) | 0.091 | 0.133 | 0.182 | 0.237 | 0.300 | 0.368 | 0.443 | 0.522 | 0.607 |
| | | Static Pressure (in. wg.) | 0.080 | 0.116 | 0.159 | 0.208 | 0.262 | 0.322 | 0.387 | 0.456 | 0.529 |
| | | Sound (NC) | - | 21 | 26 | 30 | 34 | 37 | 40 | 43 | 45 |
| | | Throw (ft.) | 15-21-30 | 18-23-33 | 20-25-35 | 22-27-38 | 23-28-40 | 24-30-42 | 26-31-44 | 27-33-46 | 28-34-48 |
| | 10" Inlet | Airflow (cfm) | 160 | 205 | 250 | 295 | 340 | 385 | 430 | 475 | 520 |
| | | Total Pressure (in. wg.) | 0.062 | 0.103 | 0.155 | 0.216 | 0.287 | 0.367 | 0.455 | 0.550 | 0.653 |
| | | Static Pressure (in. wg.) | 0.048 | 0.081 | 0.123 | 0.172 | 0.228 | 0.291 | 0.360 | 0.435 | 0.515 |
| | | Sound (NC) | - | 19 | 25 | 30 | 35 | 39 | 42 | 45 | 48 |
| 60" Length | 8" Inlet | Throw (ft.) | 14-20-29 | 17-23-32 | 21-25-36 | 22-28-39 | 24-30-42 | 26-31-44 | 27-33-47 | 29-35-49 | 30-37-52 |
| | | Airflow (cfm) | 160 | 250 | 310 | 370 | 430 | 490 | 550 | 610 | 670 |
| | | Total Pressure (in. wg.) | 0.054 | 0.136 | 0.210 | 0.298 | 0.399 | 0.511 | 0.634 | 0.766 | 0.906 |
| | | Static Pressure (in. wg.) | 0.048 | 0.123 | 0.190 | 0.269 | 0.360 | 0.461 | 0.571 | 0.688 | 0.812 |
| | 10" Inlet | Sound (NC) | - | 21 | 28 | 33 | 38 | 42 | 46 | 50 | 53 |
| | | Throw (ft.) | 14-20-29 | 21-25-36 | 23-28-40 | 25-31-44 | 27-33-47 | 29-35-50 | 31-38-53 | 32-40-56 | 34-41-59 |
| | | Airflow (cfm) | 200 | 245 | 290 | 335 | 380 | 425 | 470 | 515 | 560 |
| | | Total Pressure (in. wg.) | 0.068 | 0.104 | 0.146 | 0.196 | 0.253 | 0.316 | 0.386 | 0.462 | 0.543 |
| 60" Length | 8" Inlet | Static Pressure (in. wg.) | 0.048 | 0.073 | 0.103 | 0.139 | 0.179 | 0.224 | 0.273 | 0.326 | 0.383 |
| | | Sound (NC) | - | 20 | 26 | 30 | 35 | 38 | 41 | 44 | 47 |
| | | Throw (ft.) | 15-21-30 | 18-23-33 | 21-25-36 | 22-27-38 | 24-29-41 | 25-31-43 | 26-32-46 | 28-34-48 | 29-35-50 |
| | | Airflow (cfm) | 200 | 260 | 320 | 380 | 440 | 500 | 560 | 620 | 680 |
| | 10" Inlet | Total Pressure (in. wg.) | 0.056 | 0.097 | 0.148 | 0.209 | 0.280 | 0.360 | 0.449 | 0.545 | 0.648 |
| | | Static Pressure (in. wg.) | 0.048 | 0.082 | 0.127 | 0.179 | 0.240 | 0.308 | 0.383 | 0.464 | 0.551 |
| | | Sound (NC) | - | 17 | 23 | 29 | 34 | 38 | 41 | 45 | 48 |
| | | Throw (ft.) | 15-21-30 | 19-24-34 | 22-27-38 | 24-29-41 | 25-31-44 | 27-33-47 | 29-35-50 | 30-37-52 | 32-39-55 |

For performance notes, see end of section.

PERFORMANCE DATA

MSPLD with Engineered Plenum - 2 Way

| Length | Inlet | Airflow (cfm) | 80 | 105 | 130 | 155 | 180 | 205 | 230 | 255 | 280 |
|--------|-------|---------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | Total Pressure (in. wg.) | 0.064 | 0.112 | 0.173 | 0.246 | 0.331 | 0.426 | 0.531 | 0.644 | 0.766 |
| | | Static Pressure (in. wg.) | 0.053 | 0.094 | 0.145 | 0.207 | 0.278 | 0.358 | 0.445 | 0.539 | 0.639 |
| | | Sound (NC) | - | 20 | 27 | 32 | 37 | 41 | 44 | 47 | 50 |
| | | Throw (ft.) | 6-9-17 | 8-11-19 | 9-14-22 | 11-17-23 | 13-18-25 | 15-19-27 | 17-20-29 | 17-21-30 | 18-22-32 |
| Length | Inlet | Airflow (cfm) | 80 | 110 | 140 | 170 | 200 | 230 | 260 | 290 | 320 |
| | | Total Pressure (in. wg.) | 0.057 | 0.110 | 0.179 | 0.264 | 0.362 | 0.472 | 0.593 | 0.724 | 0.863 |
| | | Static Pressure (in. wg.) | 0.053 | 0.103 | 0.169 | 0.249 | 0.341 | 0.445 | 0.559 | 0.681 | 0.810 |
| | | Sound (NC) | - | 17 | 24 | 30 | 35 | 39 | 43 | 46 | 50 |
| | | Throw (ft.) | 6-9-17 | 8-12-20 | 10-15-22 | 12-17-25 | 14-19-27 | 17-20-29 | 18-22-30 | 19-23-32 | 19-24-34 |
| Length | Inlet | Airflow (cfm) | 120 | 145 | 170 | 195 | 220 | 245 | 270 | 295 | 320 |
| | | Total Pressure (in. wg.) | 0.073 | 0.108 | 0.150 | 0.198 | 0.253 | 0.314 | 0.380 | 0.453 | 0.530 |
| | | Static Pressure (in. wg.) | 0.050 | 0.074 | 0.103 | 0.137 | 0.175 | 0.217 | 0.262 | 0.312 | 0.365 |
| | | Sound (NC) | 18 | 24 | 29 | 34 | 38 | 41 | 44 | 47 | 49 |
| | | Throw (ft.) | 6-10-19 | 8-12-21 | 9-14-22 | 11-16-24 | 12-18-26 | 14-19-27 | 15-20-28 | 16-21-30 | 18-22-31 |
| Length | Inlet | Airflow (cfm) | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
| | | Total Pressure (in. wg.) | 0.057 | 0.091 | 0.133 | 0.182 | 0.237 | 0.300 | 0.368 | 0.443 | 0.522 |
| | | Static Pressure (in. wg.) | 0.050 | 0.080 | 0.116 | 0.159 | 0.208 | 0.262 | 0.322 | 0.387 | 0.456 |
| | | Sound (NC) | - | 17 | 23 | 28 | 32 | 35 | 39 | 41 | 44 |
| | | Throw (ft.) | 6-10-19 | 8-12-21 | 10-15-23 | 12-17-25 | 13-19-27 | 15-20-28 | 17-21-30 | 18-22-31 | 19-23-33 |
| Length | Inlet | Airflow (cfm) | 160 | 205 | 250 | 295 | 340 | 385 | 430 | 475 | 520 |
| | | Total Pressure (in. wg.) | 0.062 | 0.103 | 0.155 | 0.216 | 0.287 | 0.367 | 0.455 | 0.550 | 0.653 |
| | | Static Pressure (in. wg.) | 0.048 | 0.081 | 0.123 | 0.172 | 0.228 | 0.291 | 0.360 | 0.435 | 0.515 |
| | | Sound (NC) | - | 22 | 28 | 33 | 37 | 41 | 44 | 47 | 50 |
| | | Throw (ft.) | 6-11-20 | 9-14-22 | 11-17-25 | 13-19-27 | 15-20-29 | 17-22-30 | 19-23-32 | 20-24-34 | 20-25-35 |
| Length | Inlet | Airflow (cfm) | 160 | 250 | 310 | 370 | 430 | 490 | 550 | 610 | 670 |
| | | Total Pressure (in. wg.) | 0.054 | 0.136 | 0.210 | 0.298 | 0.399 | 0.511 | 0.634 | 0.766 | 0.906 |
| | | Static Pressure (in. wg.) | 0.048 | 0.123 | 0.190 | 0.269 | 0.360 | 0.461 | 0.571 | 0.688 | 0.812 |
| | | Sound (NC) | - | 23 | 30 | 35 | 40 | 44 | 47 | 50 | 52 |
| | | Throw (ft.) | 6-11-20 | 11-17-25 | 14-19-27 | 17-21-30 | 19-23-32 | 20-24-34 | 21-26-36 | 22-27-38 | 23-28-40 |
| Length | Inlet | Airflow (cfm) | 200 | 245 | 290 | 335 | 380 | 425 | 470 | 515 | 560 |
| | | Total Pressure (in. wg.) | 0.068 | 0.104 | 0.146 | 0.196 | 0.253 | 0.316 | 0.386 | 0.462 | 0.543 |
| | | Static Pressure (in. wg.) | 0.048 | 0.073 | 0.103 | 0.139 | 0.179 | 0.224 | 0.273 | 0.326 | 0.383 |
| | | Sound (NC) | 18 | 24 | 30 | 34 | 39 | 42 | 45 | 48 | 51 |
| | | Throw (ft.) | 6-11-20 | 9-14-22 | 11-16-24 | 13-18-25 | 14-19-27 | 16-20-29 | 17-21-30 | 18-22-31 | 19-23-33 |
| Length | Inlet | Airflow (cfm) | 200 | 260 | 320 | 380 | 440 | 500 | 560 | 620 | 680 |
| | | Total Pressure (in. wg.) | 0.056 | 0.097 | 0.148 | 0.209 | 0.280 | 0.360 | 0.449 | 0.545 | 0.648 |
| | | Static Pressure (in. wg.) | 0.048 | 0.082 | 0.127 | 0.179 | 0.240 | 0.308 | 0.383 | 0.464 | 0.551 |
| | | Sound (NC) | - | 20 | 26 | 32 | 36 | 40 | 43 | 46 | 49 |
| | | Throw (ft.) | 6-11-20 | 10-15-22 | 12-18-25 | 14-19-27 | 17-21-29 | 18-22-31 | 19-23-33 | 20-24-34 | 21-26-36 |

Performance Notes:

1. Testing in accordance with ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on Security Perforated Linear Diffuser with Price Engineered Plenums as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in in. w.g.
5. Throw values are given for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
6. Throw data is based on supply air and room air being at isothermal conditions.
7. NC values are based on a room absorption of 10dB re 10-12 watts and one diffuser.
8. Blanks "-" indicate an NC level below 15.