

PERFORMANCE DATA

RSG Single Deflection, 1 in. Blade Spacing

| Size | Duct Velocity (fpm) Velocity Pressure (in. w.g.) | 400 0.010 | 600 0.022 | 800 0.040 | 1000 0.062 | 1200 0.090 | 1400 0.122 | 1600 0.160 |
|------|-----------------------------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| 6 | Flow Rate (cfm) | 78 | 118 | 157 | 196 | 235 | 274 | 314 |
| | Static Pressure (in. w.g.) | 0.049 | 0.110 | 0.196 | 0.306 | 0.441 | 0.600 | 0.784 |
| | Sound (NC) | - | 17 | 25 | 31 | 37 | 41 | 45 |
| | Throw (ft) | 4-8-15 | 6-12-21 | 8-14-24 | 10-16-28 | 13-21-30 | 15-22-32 | 17-24-34 |
| 8 | Flow Rate (cfm) | 140 | 209 | 279 | 349 | 419 | 489 | 558 |
| | Static Pressure (in. w.g.) | 0.035 | 0.080 | 0.142 | 0.222 | 0.319 | 0.434 | 0.567 |
| | Sound (NC) | - | 15 | 23 | 29 | 35 | 39 | 43 |
| | Throw (ft) | 5-10-20 | 8-16-27 | 11-21-32 | 14-25-36 | 17-28-39 | 20-30-41 | 21-32-45 |
| 10 | Flow Rate (cfm) | 218 | 327 | 436 | 545 | 654 | 763 | 872 |
| | Static Pressure (in. w.g.) | 0.027 | 0.061 | 0.109 | 0.170 | 0.245 | 0.333 | 0.435 |
| | Sound (NC) | - | - | 21 | 28 | 33 | 37 | 41 |
| | Throw (ft) | 6-12-24 | 9-17-32 | 14-26-37 | 17-31-45 | 21-34-47 | 25-37-52 | 29-40-56 |
| 12 | Flow Rate (cfm) | 314 | 471 | 628 | 785 | 942 | 1099 | 1256 |
| | Static Pressure (in. w.g.) | 0.022 | 0.049 | 0.086 | 0.135 | 0.194 | 0.264 | 0.345 |
| | Sound (NC) | - | - | 20 | 26 | 32 | 36 | 40 |
| | Throw (ft) | 7-15-30 | 12-24-40 | 16-33-47 | 20-37-53 | 25-41-59 | 29-45-65 | 33-48-74 |
| 14 | Flow Rate (cfm) | 428 | 641 | 855 | 1069 | 1283 | 1497 | 1710 |
| | Static Pressure (in. w.g.) | 0.018 | 0.039 | 0.070 | 0.109 | 0.158 | 0.214 | 0.280 |
| | Sound (NC) | - | - | 19 | 25 | 31 | 35 | 39 |
| | Throw (ft) | 8-18-37 | 14-28-47 | 18-38-55 | 23-44-61 | 30-48-70 | 34-52-74 | 38-56-83 |
| 16 | Flow Rate (cfm) | 558 | 838 | 1117 | 1396 | 1675 | 1954 | 2234 |
| | Static Pressure (in. w.g.) | 0.014 | 0.032 | 0.058 | 0.090 | 0.130 | 0.177 | 0.231 |
| | Sound (NC) | - | - | 18 | 24 | 30 | 34 | 38 |
| | Throw (ft) | 10-20-40 | 15-30-53 | 22-44-65 | 28-50-72 | 34-54-80 | 40-60-85 | 45-64-90 |
| 18 | Flow Rate (cfm) | 707 | 1060 | 1414 | 1767 | 2120 | 2474 | 2827 |
| | Static Pressure (in. w.g.) | 0.012 | 0.027 | 0.048 | 0.075 | 0.108 | 0.147 | 0.192 |
| | Sound (NC) | - | - | 17 | 24 | 29 | 33 | 37 |
| | Throw (ft) | 11-22-44 | 18-36-61 | 25-50-72 | 31-57-80 | 40-63-89 | 45-67-95 | 50-71-101 |
| 20 | Flow Rate (cfm) | 872 | 1308 | 1744 | 2180 | 2616 | 3052 | 3488 |
| | Static Pressure (in. w.g.) | 0.010 | 0.023 | 0.040 | 0.063 | 0.091 | 0.123 | 0.161 |
| | Sound (NC) | - | - | 16 | 23 | 28 | 32 | 36 |
| | Throw (ft) | 12-24-49 | 20-40-68 | 27-53-80 | 35-63-89 | 44-68-99 | 51-74-105 | 56-78-112 |
| 22 | Flow Rate (cfm) | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| | Static Pressure (in. w.g.) | 0.008 | 0.019 | 0.034 | 0.053 | 0.076 | 0.104 | 0.135 |
| | Sound (NC) | - | - | 16 | 22 | 27 | 32 | 36 |
| | Throw (ft) | 13-27-54 | 22-44-74 | 30-57-85 | 37-68-98 | 47-76-110 | 57-85-120 | 60-87-123 |
| 24 | Flow Rate (cfm) | 1256 | 1884 | 2512 | 3140 | 3768 | 4396 | 5024 |
| | Static Pressure (in. w.g.) | 0.007 | 0.016 | 0.028 | 0.044 | 0.064 | 0.087 | 0.114 |
| | Sound (NC) | - | - | 15 | 22 | 27 | 31 | 35 |
| | Throw (ft) | 14-29-60 | 24-48-81 | 33-66-95 | 41-75-106 | 50-84-116 | 58-88-124 | 66-95-130 |

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet 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 room absorption of 10 dB re 10⁻¹² Watts @ 0° deflection and one diffuser.
7. Blanks "-" indicate an NC level below 15.
8. **Deflection** 0°-22 1/2°-45° The listed deflection settings refer to horizontal deflection. For other deflection angles refer to correction table.

Performance values for various deflection angles

| Deflection Angle | 0° | 10° | 20° | 30° | 40° |
|---------------------------|-----|-----|-----|-----|-----|
| Static Pressure [times] | 1.0 | 1.2 | 1.4 | 1.9 | 2.4 |
| Throw [times] | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 |
| Noise Criteria – NC [add] | +0 | +3 | +7 | +11 | +16 |

PERFORMANCE DATA

RSG Single Deflection, 2 in. Blade Spacing

| Size | Duct Velocity (fpm) Velocity Pressure (in. w.g.) | 400 0.010 | 600 0.022 | 800 0.040 | 1000 0.062 | 1200 0.090 | 1400 0.122 | 1600 0.160 |
|------|-----------------------------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| 8 | Flow Rate (cfm) | 140 | 209 | 279 | 349 | 419 | 489 | 558 |
| | Static Pressure (in. w.g.) | 0.032 | 0.072 | 0.128 | 0.199 | 0.287 | 0.391 | 0.510 |
| | Sound (NC) | - | - | 22 | 28 | 34 | 38 | 42 |
| | Throw (ft) | 5-10-20 | 8-16-27 | 11-21-32 | 14-25-36 | 17-28-39 | 20-30-41 | 21-32-45 |
| 10 | Flow Rate (cfm) | 218 | 327 | 436 | 545 | 654 | 763 | 872 |
| | Static Pressure (in. w.g.) | 0.024 | 0.055 | 0.098 | 0.153 | 0.220 | 0.300 | 0.391 |
| | Sound (NC) | - | - | 20 | 27 | 32 | 36 | 40 |
| | Throw (ft) | 6-12-24 | 9-17-32 | 14-26-37 | 17-31-45 | 21-34-47 | 25-37-52 | 29-40-56 |
| 12 | Flow Rate (cfm) | 314 | 471 | 628 | 785 | 942 | 1099 | 1256 |
| | Static Pressure (in. w.g.) | 0.019 | 0.044 | 0.078 | 0.121 | 0.175 | 0.238 | 0.311 |
| | Sound (NC) | - | - | 19 | 25 | 31 | 35 | 39 |
| | Throw (ft) | 7-15-30 | 12-24-40 | 16-33-47 | 20-37-53 | 25-41-59 | 29-45-65 | 33-48-74 |
| 14 | Flow Rate (cfm) | 428 | 641 | 855 | 1069 | 1283 | 1497 | 1710 |
| | Static Pressure (in. w.g.) | 0.016 | 0.035 | 0.063 | 0.098 | 0.142 | 0.193 | 0.252 |
| | Sound (NC) | - | - | 18 | 24 | 30 | 34 | 38 |
| | Throw (ft) | 8-18-37 | 14-28-47 | 18-38-55 | 23-44-61 | 30-48-70 | 34-52-74 | 38-56-83 |
| 16 | Flow Rate (cfm) | 558 | 838 | 1117 | 1396 | 1675 | 1954 | 2234 |
| | Static Pressure (in. w.g.) | 0.013 | 0.029 | 0.052 | 0.081 | 0.117 | 0.159 | 0.208 |
| | Sound (NC) | - | - | 17 | 23 | 29 | 33 | 37 |
| | Throw (ft) | 10-20-40 | 15-30-53 | 22-44-65 | 28-50-72 | 34-54-80 | 40-60-85 | 45-64-90 |
| 18 | Flow Rate (cfm) | 707 | 1060 | 1414 | 1767 | 2120 | 2474 | 2827 |
| | Static Pressure (in. w.g.) | 0.011 | 0.024 | 0.043 | 0.068 | 0.097 | 0.132 | 0.173 |
| | Sound (NC) | - | - | 16 | 23 | 28 | 32 | 36 |
| | Throw (ft) | 11-22-44 | 18-36-61 | 25-50-72 | 31-57-80 | 40-63-89 | 45-67-95 | 50-71-101 |
| 20 | Flow Rate (cfm) | 872 | 1308 | 1744 | 2180 | 2616 | 3052 | 3488 |
| | Static Pressure (in. w.g.) | 0.009 | 0.020 | 0.036 | 0.057 | 0.082 | 0.111 | 0.145 |
| | Sound (NC) | - | - | 15 | 22 | 27 | 31 | 35 |
| | Throw (ft) | 12-24-49 | 20-40-68 | 27-53-80 | 35-63-89 | 44-68-99 | 51-74-105 | 56-78-112 |
| 22 | Flow Rate (cfm) | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| | Static Pressure (in. w.g.) | 0.008 | 0.017 | 0.030 | 0.048 | 0.069 | 0.093 | 0.122 |
| | Sound (NC) | - | - | 15 | 21 | 26 | 31 | 35 |
| | Throw (ft) | 13-27-54 | 22-44-74 | 30-57-85 | 37-68-98 | 47-76-110 | 57-85-120 | 60-87-123 |
| 24 | Flow Rate (cfm) | 1256 | 1884 | 2512 | 3140 | 3768 | 4396 | 5024 |
| | Static Pressure (in. w.g.) | 0.006 | 0.014 | 0.026 | 0.040 | 0.058 | 0.078 | 0.103 |
| | Sound (NC) | - | - | - | 21 | 26 | 30 | 34 |
| | Throw (ft) | 14-29-60 | 24-48-81 | 33-66-95 | 41-75-106 | 50-84-116 | 58-88-124 | 66-95-130 |
| 30 | Flow Rate (cfm) | 1964 | 2946 | 3928 | 4910 | 5892 | 6874 | 7856 |
| | Static Pressure (in. w.g.) | 0.004 | 0.008 | 0.015 | 0.023 | 0.033 | 0.045 | 0.059 |
| | Sound (NC) | - | - | - | 19 | 24 | 29 | 32 |
| | Throw (ft) | 17-34-69 | 30-60-102 | 41-82-123 | 50-90-129 | 60-101-141 | 69-107-150 | 78-116-157 |

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet 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 room absorption of 10 dB re 10⁻¹² Watts @ 0° deflection and one diffuser.
7. Blanks "-" indicate an NC level below 15.
8. **Deflection** 0°-22 1/2°-45° The listed deflection settings refer to horizontal deflection. For other deflection angels refer to correction table.

Performance values for various deflection angles

| Deflection Angle | 0° | 10° | 20° | 30° | 40° |
|---------------------------|-----|-----|-----|-----|-----|
| Static Pressure [times] | 1.0 | 1.2 | 1.4 | 1.9 | 2.4 |
| Throw [times] | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 |
| Noise Criteria – NC [add] | +0 | +3 | +7 | +11 | +16 |

PERFORMANCE DATA

RSG Single Deflection, 3 in. Blade Spacing

| Size | Duct Velocity (fpm) Velocity Pressure (in. w.g.) | 400 0.010 | 600 0.022 | 800 0.040 | 1000 0.062 | 1200 0.090 | 1400 0.122 | 1600 0.160 |
|------|-----------------------------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| 16 | Flow Rate (cfm) | 558 | 838 | 1117 | 1396 | 1675 | 1954 | 2234 |
| | Static Pressure (in. w.g.) | 0.012 | 0.028 | 0.049 | 0.077 | 0.111 | 0.151 | 0.198 |
| | Sound (NC) | - | - | 16 | 22 | 28 | 32 | 36 |
| | Throw (ft) | 10-20-40 | 15-30-53 | 22-44-65 | 28-50-72 | 34-54-80 | 40-60-85 | 45-64-90 |
| 18 | Flow Rate (cfm) | 707 | 1060 | 1414 | 1767 | 2120 | 2474 | 2827 |
| | Static Pressure (in. w.g.) | 0.010 | 0.023 | 0.041 | 0.064 | 0.093 | 0.126 | 0.165 |
| | Sound (NC) | - | - | 15 | 22 | 27 | 31 | 35 |
| | Throw (ft) | 11-22-44 | 18-36-61 | 25-50-72 | 31-57-80 | 40-63-89 | 45-67-95 | 50-71-101 |
| 20 | Flow Rate (cfm) | 872 | 1308 | 1744 | 2180 | 2616 | 3052 | 3488 |
| | Static Pressure (in. w.g.) | 0.009 | 0.019 | 0.034 | 0.054 | 0.078 | 0.106 | 0.138 |
| | Sound (NC) | - | - | - | 21 | 26 | 30 | 34 |
| | Throw (ft) | 12-24-49 | 20-40-68 | 27-53-80 | 35-63-89 | 44-68-99 | 51-74-105 | 56-78-112 |
| 22 | Flow Rate (cfm) | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| | Static Pressure (in. w.g.) | 0.007 | 0.016 | 0.029 | 0.045 | 0.065 | 0.089 | 0.116 |
| | Sound (NC) | - | - | - | 20 | 25 | 30 | 34 |
| | Throw (ft) | 13-27-54 | 22-44-74 | 30-57-85 | 37-68-98 | 47-76-110 | 57-85-120 | 60-87-123 |
| 24 | Flow Rate (cfm) | 1256 | 1884 | 2512 | 3140 | 3768 | 4396 | 5024 |
| | Static Pressure (in. w.g.) | 0.006 | 0.014 | 0.024 | 0.038 | 0.055 | 0.075 | 0.097 |
| | Sound (NC) | - | - | - | 20 | 25 | 29 | 33 |
| | Throw (ft) | 14-29-60 | 24-48-81 | 33-66-95 | 41-75-106 | 50-84-116 | 58-88-124 | 66-95-130 |
| 30 | Flow Rate (cfm) | 1964 | 2946 | 3928 | 4910 | 5892 | 6874 | 7856 |
| | Static Pressure (in. w.g.) | 0.004 | 0.008 | 0.014 | 0.022 | 0.032 | 0.043 | 0.056 |
| | Sound (NC) | - | - | - | 18 | 23 | 28 | 31 |
| | Throw (ft) | 17-34-69 | 30-60-102 | 41-82-123 | 50-90-129 | 60-101-141 | 69-107-150 | 78-116-157 |

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet 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 room absorption of 10 dB re 10⁻¹² Watts @ 0° deflection and one diffuser.
7. Blanks "-" indicate an NC level below 15.
8. **Deflection** 0°–22 1/2°–45° The listed deflection settings refer to horizontal deflection. For other deflection angels refer to correction table.

Performance values for various deflection angles

| Deflection Angle | 0° | 10° | 20° | 30° | 40° |
|---------------------------|-----|-----|-----|-----|-----|
| Static Pressure [times] | 1.0 | 1.2 | 1.4 | 1.9 | 2.4 |
| Throw [times] | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 |
| Noise Criteria – NC [add] | +0 | +3 | +7 | +11 | +16 |

PERFORMANCE DATA

RSG Double Deflection, 1 in. Blade Spacing

| Size | Duct Velocity (fpm) Velocity Pressure (in. w.g.) | 400 0.010 | 600 0.022 | 800 0.040 | 1000 0.062 | 1200 0.090 | 1400 0.122 | 1600 0.160 |
|------|-----------------------------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| 6 | Flow Rate (cfm) | 78 | 118 | 157 | 196 | 235 | 274 | 314 |
| | Static Pressure (in. w.g.) | 0.054 | 0.123 | 0.218 | 0.340 | 0.490 | 0.667 | 0.871 |
| | Sound (NC) | - | 20 | 28 | 34 | 40 | 44 | 48 |
| | Throw (ft) | 4-8-15 | 6-12-21 | 8-14-24 | 10-16-28 | 13-21-30 | 15-22-32 | 17-24-34 |
| 8 | Flow Rate (cfm) | 140 | 209 | 279 | 349 | 419 | 489 | 558 |
| | Static Pressure (in. w.g.) | 0.039 | 0.089 | 0.158 | 0.246 | 0.354 | 0.482 | 0.630 |
| | Sound (NC) | - | 18 | 26 | 32 | 38 | 42 | 46 |
| | Throw (ft) | 5-10-20 | 8-16-27 | 11-21-32 | 14-25-36 | 17-28-39 | 20-30-41 | 21-32-45 |
| 10 | Flow Rate (cfm) | 218 | 327 | 436 | 545 | 654 | 763 | 872 |
| | Static Pressure (in. w.g.) | 0.030 | 0.068 | 0.121 | 0.189 | 0.272 | 0.370 | 0.483 |
| | Sound (NC) | - | 16 | 24 | 31 | 36 | 40 | 44 |
| | Throw (ft) | 6-12-24 | 9-17-32 | 14-26-37 | 17-31-45 | 21-34-47 | 25-37-52 | 29-40-56 |
| 12 | Flow Rate (cfm) | 314 | 471 | 628 | 785 | 942 | 1099 | 1256 |
| | Static Pressure (in. w.g.) | 0.024 | 0.054 | 0.096 | 0.150 | 0.216 | 0.294 | 0.383 |
| | Sound (NC) | - | - | 23 | 29 | 35 | 39 | 43 |
| | Throw (ft) | 7-15-30 | 12-24-40 | 16-33-47 | 20-37-53 | 25-41-59 | 29-45-65 | 33-48-74 |
| 14 | Flow Rate (cfm) | 428 | 641 | 855 | 1069 | 1283 | 1497 | 1710 |
| | Static Pressure (in. w.g.) | 0.019 | 0.044 | 0.078 | 0.122 | 0.175 | 0.238 | 0.311 |
| | Sound (NC) | - | - | 22 | 28 | 34 | 38 | 42 |
| | Throw (ft) | 8-18-37 | 14-28-47 | 18-38-55 | 23-44-61 | 30-48-70 | 34-52-74 | 38-56-83 |
| 16 | Flow Rate (cfm) | 558 | 838 | 1117 | 1396 | 1675 | 1954 | 2234 |
| | Static Pressure (in. w.g.) | 0.016 | 0.036 | 0.064 | 0.100 | 0.144 | 0.196 | 0.257 |
| | Sound (NC) | - | - | 21 | 27 | 33 | 37 | 41 |
| | Throw (ft) | 10-20-40 | 15-30-53 | 22-44-65 | 28-50-72 | 34-54-80 | 40-60-85 | 45-64-90 |
| 18 | Flow Rate (cfm) | 707 | 1060 | 1414 | 1767 | 2120 | 2474 | 2827 |
| | Static Pressure (in. w.g.) | 0.013 | 0.030 | 0.053 | 0.083 | 0.120 | 0.164 | 0.214 |
| | Sound (NC) | - | - | 20 | 27 | 32 | 36 | 40 |
| | Throw (ft) | 11-22-44 | 18-36-61 | 25-50-72 | 31-57-80 | 40-63-89 | 45-67-95 | 50-71-101 |
| 20 | Flow Rate (cfm) | 872 | 1308 | 1744 | 2180 | 2616 | 3052 | 3488 |
| | Static Pressure (in. w.g.) | 0.011 | 0.025 | 0.045 | 0.070 | 0.101 | 0.137 | 0.179 |
| | Sound (NC) | - | - | 19 | 26 | 31 | 35 | 39 |
| | Throw (ft) | 12-24-49 | 20-40-68 | 27-53-80 | 35-63-89 | 44-68-99 | 51-74-105 | 56-78-112 |
| 22 | Flow Rate (cfm) | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| | Static Pressure (in. w.g.) | 0.009 | 0.021 | 0.038 | 0.059 | 0.085 | 0.115 | 0.150 |
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| | Throw (ft) | 13-27-54 | 22-44-74 | 30-57-85 | 37-68-98 | 47-76-110 | 57-85-120 | 60-87-123 |
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| | Static Pressure (in. w.g.) | 0.008 | 0.018 | 0.032 | 0.049 | 0.071 | 0.097 | 0.127 |
| | Sound (NC) | - | - | 18 | 25 | 30 | 34 | 38 |
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7. Blanks "-" indicate an NC level below 15.
8. **Deflection** 0°-22 1/2°-45° The listed deflection settings refer to horizontal deflection. For other deflection angles refer to correction table.

Performance values for various deflection angles

| Deflection Angle | 0° | 10° | 20° | 30° | 40° |
|---------------------------|-----|-----|-----|-----|-----|
| Static Pressure [times] | 1.0 | 1.2 | 1.4 | 1.9 | 2.4 |
| Throw [times] | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 |
| Noise Criteria – NC [add] | +0 | +3 | +7 | +11 | +16 |

PERFORMANCE DATA

RSG Double Deflection, 2 in. Blade Spacing

| Size | Duct Velocity (fpm) Velocity Pressure (in. w.g.) | 400 0.010 | 600 0.022 | 800 0.040 | 1000 0.062 | 1200 0.090 | 1400 0.122 | 1600 0.160 |
|------|-----------------------------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| 8 | Flow Rate (cfm) | 140 | 209 | 279 | 349 | 419 | 489 | 558 |
| | Static Pressure (in. w.g.) | 0.035 | 0.080 | 0.142 | 0.222 | 0.319 | 0.434 | 0.567 |
| | Sound (NC) | - | 18 | 26 | 32 | 38 | 42 | 46 |
| | Throw (ft) | 5-10-20 | 8-16-27 | 11-21-32 | 14-25-36 | 17-28-39 | 20-30-41 | 21-32-45 |
| 10 | Flow Rate (cfm) | 218 | 327 | 436 | 545 | 654 | 763 | 872 |
| | Static Pressure (in. w.g.) | 0.027 | 0.061 | 0.109 | 0.170 | 0.245 | 0.333 | 0.435 |
| | Sound (NC) | - | 16 | 24 | 31 | 36 | 40 | 44 |
| | Throw (ft) | 6-12-24 | 9-17-32 | 14-26-37 | 17-31-45 | 21-34-47 | 25-37-52 | 29-40-56 |
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| | Static Pressure (in. w.g.) | 0.022 | 0.049 | 0.086 | 0.135 | 0.194 | 0.264 | 0.345 |
| | Sound (NC) | - | - | 23 | 29 | 35 | 39 | 43 |
| | Throw (ft) | 7-15-30 | 12-24-40 | 16-33-47 | 20-37-53 | 25-41-59 | 29-45-65 | 33-48-74 |
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| | Sound (NC) | - | - | 22 | 28 | 34 | 38 | 42 |
| | Throw (ft) | 8-18-37 | 14-28-47 | 18-38-55 | 23-44-61 | 30-48-70 | 34-52-74 | 38-56-83 |
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| | Static Pressure (in. w.g.) | 0.014 | 0.032 | 0.058 | 0.090 | 0.130 | 0.177 | 0.231 |
| | Sound (NC) | - | - | 21 | 27 | 33 | 37 | 41 |
| | Throw (ft) | 10-20-40 | 15-30-53 | 22-44-65 | 28-50-72 | 34-54-80 | 40-60-85 | 45-64-90 |
| 18 | Flow Rate (cfm) | 707 | 1060 | 1414 | 1767 | 2120 | 2474 | 2827 |
| | Static Pressure (in. w.g.) | 0.012 | 0.027 | 0.048 | 0.075 | 0.108 | 0.147 | 0.192 |
| | Sound (NC) | - | - | 20 | 27 | 32 | 36 | 40 |
| | Throw (ft) | 11-22-44 | 18-36-61 | 25-50-72 | 31-57-80 | 40-63-89 | 45-67-95 | 50-71-101 |
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| | Static Pressure (in. w.g.) | 0.010 | 0.023 | 0.040 | 0.063 | 0.091 | 0.123 | 0.161 |
| | Sound (NC) | - | - | 19 | 26 | 31 | 35 | 39 |
| | Throw (ft) | 12-24-49 | 20-40-68 | 27-53-80 | 35-63-89 | 44-68-99 | 51-74-105 | 56-78-112 |
| 22 | Flow Rate (cfm) | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| | Static Pressure (in. w.g.) | 0.008 | 0.019 | 0.034 | 0.053 | 0.076 | 0.104 | 0.135 |
| | Sound (NC) | - | - | 19 | 25 | 30 | 35 | 39 |
| | Throw (ft) | 13-27-54 | 22-44-74 | 30-57-85 | 37-68-98 | 47-76-110 | 57-85-120 | 60-87-123 |
| 24 | Flow Rate (cfm) | 1256 | 1884 | 2512 | 3140 | 3768 | 4396 | 5024 |
| | Static Pressure (in. w.g.) | 0.007 | 0.016 | 0.028 | 0.044 | 0.064 | 0.087 | 0.114 |
| | Sound (NC) | - | - | 18 | 25 | 30 | 34 | 38 |
| | Throw (ft) | 14-29-60 | 24-48-81 | 33-66-95 | 41-75-106 | 50-84-116 | 58-88-124 | 66-95-130 |

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet 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 room absorption of 10 dB re 10⁻¹² Watts @ 0° deflection and one diffuser.
7. Blanks "-" indicate an NC level below 15.
8. **Deflection** 0°-22 1/2°-45° The listed deflection settings refer to horizontal deflection. For other deflection angles refer to correction table.

Performance values for various deflection angles

| Deflection Angle | 0° | 10° | 20° | 30° | 40° |
|---------------------------|-----|-----|-----|-----|-----|
| Static Pressure [times] | 1.0 | 1.2 | 1.4 | 1.9 | 2.4 |
| Throw [times] | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 |
| Noise Criteria – NC [add] | +0 | +3 | +7 | +11 | +16 |