

PERFORMANCE DATA:

MODEL 5350(I) • 1/2" (13) SLOT WIDTH

1 Slot • 24" (610) Long

| | | | | | | | | | |
|-----------------------|----------------|-------|--------|--------|--------|---------|---------|---------|----------|
| 6" Round Inlet | Airflow, CFM | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| | Total Pressure | .017 | .038 | .068 | .107 | .154 | .209 | .273 | .346 |
| | Noise Criteria | – | 17 | 23 | 29 | 33 | 37 | 41 | 43 |
| | Throw | 3-4-8 | 5-6-10 | 6-8-12 | 7-9-13 | 8-10-14 | 9-11-15 | 9-11-16 | 10-12-16 |

1 Slot • 48" (1219) Long

| | | | | | | | | | |
|-----------------------|----------------|--------|---------|---------|----------|----------|----------|----------|----------|
| 6" Round Inlet | Airflow, CFM | 35 | 50 | 65 | 80 | 95 | 110 | 125 | 140 |
| | Total Pressure | .023 | .047 | .080 | .121 | .171 | .229 | .295 | .371 |
| | Noise Criteria | – | 19 | 25 | 30 | 34 | 37 | 40 | 43 |
| | Throw | 3-5-10 | 6-8-13 | 7-10-15 | 9-11-17 | 10-13-18 | 11-14-19 | 12-14-20 | 12-15-21 |
| 8" Round Inlet | Airflow, CFM | 50 | 65 | 80 | 95 | 110 | 125 | 140 | 155 |
| | Total Pressure | .030 | .051 | .077 | .109 | .146 | .188 | .236 | .29 |
| | Noise Criteria | 15 | 21 | 26 | 30 | 33 | 36 | 39 | 42 |
| | Throw | 6-8-13 | 7-10-15 | 9-11-17 | 10-13-18 | 11-14-19 | 12-14-20 | 12-15-21 | 13-16-22 |

1 Slot • 60" (1524) Long

| | | | | | | | | | |
|-----------------------|----------------|--------|--------|---------|---------|----------|----------|----------|----------|
| 6" Round Inlet | Airflow, CFM | 50 | 65 | 80 | 95 | 110 | 125 | 140 | 155 |
| | Total Pressure | .025 | .043 | .064 | .091 | .122 | .157 | .198 | .242 |
| | Noise Criteria | – | 20 | 26 | 30 | 34 | 37 | 40 | 42 |
| | Throw | 5-7-13 | 7-9-15 | 8-11-17 | 9-12-19 | 10-13-20 | 11-14-21 | 12-15-22 | 13-16-23 |
| 8" Round Inlet | Airflow, CFM | 50 | 65 | 80 | 95 | 110 | 125 | 140 | 155 |
| | Total Pressure | .021 | .036 | .055 | .077 | .103 | .133 | .167 | .205 |
| | Noise Criteria | – | 17 | 22 | 26 | 30 | 34 | 37 | 39 |
| | Throw | 5-7-13 | 7-9-15 | 8-11-17 | 9-12-19 | 10-13-20 | 11-14-21 | 12-15-22 | 13-16-23 |

Performance Notes:

- Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
- Total Pressure is in inches w.g..
- Noise Criteria [NC] values based on 10 dB room absorption, re 10⁻¹² watts.
- Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
- Performance data is based upon the standard **5300 Series** Model. The **5300MP** Modified Performance Series reduces the tabulated throw values by approximately 25%. Horizontal spread values are approximately 150% of the horizontal throw (T) projection values.
- Dash (–) in space indicates an Noise Criteria level of less than 15.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70–2023.

| Number of Slots | Ak Factor per foot | |
|-----------------|--------------------|--------|
| | Supply | Return |
| 1 | .018 | .033 |
| 2 | .035 | .066 |
| 3 | .053 | .099 |
| 4 | .070 | .132 |

PERFORMANCE DATA:

MODEL 5350(I) • 1/2" (13) SLOT WIDTH

2 Slot • 24" (610) Long

| | | | | | | | | | |
|-----------------------|----------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| 6" Round Inlet | Airflow, CFM | 35 | 50 | 65 | 80 | 95 | 110 | 125 | 140 |
| | Total Pressure | .021 | .042 | .072 | .108 | .153 | .205 | .265 | .332 |
| | Noise Criteria | – | 20 | 26 | 31 | 36 | 39 | 42 | 45 |
| | Throw | 3-6-10 | 5-8-13 | 7-10-15 | 8-11-16 | 9-12-18 | 10-13-19 | 11-14-20 | 12-15-21 |

2 Slot • 48" (1219) Long

| | | | | | | | | | |
|-----------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 6" Round Inlet | Airflow, CFM | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |
| | Total Pressure | .042 | .074 | .116 | .168 | .228 | .298 | .377 | .465 |
| | Noise Criteria | – | 19 | 24 | 28 | 32 | 36 | 38 | 41 |
| | Throw | 2-6-13 | 5-9-16 | 7-11-18 | 9-13-20 | 10-14-22 | 11-16-23 | 13-17-25 | 13-18-26 |
| 8" Round Inlet | Airflow, CFM | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 |
| | Total Pressure | .039 | .060 | .087 | .118 | .154 | .195 | .241 | .291 |
| | Noise Criteria | 16 | 20 | 24 | 28 | 31 | 34 | 37 | 39 |
| | Throw | 5-9-16 | 7-11-18 | 9-13-20 | 10-14-22 | 11-16-23 | 13-17-25 | 13-18-26 | 14-19-27 |
| 10" Oval Inlet | Airflow, CFM | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| | Total Pressure | .041 | .058 | .079 | .104 | .131 | .162 | .196 | .233 |
| | Noise Criteria | 18 | 22 | 26 | 29 | 32 | 35 | 37 | 39 |
| | Throw | 7-11-18 | 9-13-20 | 10-14-22 | 11-16-23 | 13-17-25 | 13-18-26 | 14-19-27 | 15-19-28 |

2 Slot • 60" (1524) Long

| | | | | | | | | | |
|-----------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 8" Round Inlet | Airflow, CFM | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 |
| | Total Pressure | .071 | .097 | .126 | .160 | .198 | .239 | .284 | .334 |
| | Noise Criteria | 21 | 25 | 28 | 31 | 34 | 36 | 38 | 40 |
| | Throw | 8-12-20 | 9-14-22 | 11-15-23 | 12-16-25 | 13-17-26 | 14-18-27 | 15-19-28 | 15-20-29 |
| 10" Oval Inlet | Airflow, CFM | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 |
| | Total Pressure | .065 | .085 | .107 | .133 | .161 | .191 | .224 | .260 |
| | Noise Criteria | 22 | 25 | 28 | 31 | 33 | 35 | 37 | 39 |
| | Throw | 9-14-22 | 11-15-23 | 12-16-25 | 13-17-26 | 14-18-27 | 15-19-28 | 15-20-29 | 16-21-30 |

Performance Notes:

- Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
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- Noise Criteria [NC] values based on 10 dB room absorption, re 10⁻¹² watts.
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| Number of Slots | Ak Factor per foot | |
|-----------------|--------------------|--------|
| | Supply | Return |
| 1 | .018 | .033 |
| 2 | .035 | .066 |
| 3 | .053 | .099 |
| 4 | .070 | .132 |

B LINEAR DIFFUSERS AND BAR GRILLES