

PERFORMANCE DATA • MODULAR SQUARE CEILING DIFFUSERS

MODELS: FM10 AND FMB10

| | Inlet Size | Neck Velocity, FPM | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
|---------------|----------------|-------------------------------|--------|---------|---------|----------|----------|----------|----------|
| | | Velocity Pressure, (in. w.g.) | .006 | .010 | .016 | .022 | .031 | .040 | .050 |
| 1" Slot Width | 6" Dia. Inlet | Airflow, CFM | 59 | 79 | 98 | 118 | 137 | 157 | 177 |
| | | Static Pressure | .015 | .026 | .041 | .059 | .080 | .104 | .132 |
| | | Noise Criteria | <15 | <15 | <15 | 16 | 20 | 24 | 28 |
| | | Throw | 0-1-5 | 1-2-07 | 2-4-10 | 2-5-11 | 3-6-12 | 4-7-13 | 5-8-14 |
| | 8" Dia. Inlet | Airflow, CFM | 105 | 140 | 175 | 209 | 244 | 279 | 314 |
| | | Static Pressure | .029 | .052 | .081 | .117 | .160 | .209 | .264 |
| | | Noise Criteria | <15 | 18 | 25 | 30 | 35 | 39 | 43 |
| | | Throw | 1-4-10 | 2-6-13 | 5-8-14 | 6-10-16 | 7-12-17 | 8-13-18 | 10-13-19 |
| | 10" Dia. Inlet | Airflow, CFM | 164 | 218 | 273 | 327 | 382 | 436 | 491 |
| | | Static Pressure | .050 | .089 | .139 | .201 | .273 | .357 | .452 |
| | | Noise Criteria | 22 | 30 | 37 | 43 | 47 | 51 | 55 |
| | | Throw | 4-7-13 | 7-11-16 | 8-12-18 | 11-13-19 | 12-14-20 | 13-16-23 | 13-17-24 |

Performance Notes:

- All pressures are in inches w.g..
- Throw values are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
- Noise criteria values are based on 10 dB room absorption, re 10⁻¹² watts.
- Pressure, throw and NC values are based on 4-way air pattern.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-2023.

HOW TO ORDER

MODEL SERIES: FM

FLOWLINE™ MODULAR SQUARE CEILING DIFFUSERS

EXAMPLE: FM10 - 24 x 24 - 08 - AA - AW - —

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| <p>1. Models</p> <p>Supply – 1" (25)</p> <p>FM(l)10 Standard T-Bar</p> <p>FMB(l)10 Bolt-Slot T-Bar</p> <p>(l) Adds Internal Insulation</p> <p>Return – 1" (25)</p> <p>FMR10 Standard T-Bar</p> <p>FMBR10 Bolt-Slot T-Bar</p> | <p>3. Inlet Size</p> <p>(Supply Models only)</p> <p>06 6" (152) Round</p> <p>08 8" (203) Round</p> <p>10 10" (254) Round</p> <p>4. Frame/Border Type</p> <p>AA Flange Frame (Models FM & FMR only) (default)</p> <p>AG Flange/Flangeless Frame (Models FMB & FMBR only) (default)</p> <p>5. Finish</p> <p>AW Appliance White (default)</p> <p>BW British White</p> <p>SP Special custom color</p> | <p>Options and Accessories</p> <p>6. Optional</p> <p>(Return Models only)</p> <p>HCR High Capacity Return</p> <p>7. Outside Mounting Hardware</p> <p>– None (default)</p> <p>HC1* Hard Ceiling Clip – 5/8" (16) drywall</p> <p>HC5* Hard Ceiling Clip – 1/2" (13) drywall</p> <p>TC2** Finline® T-Bar Mounting Clip</p> |
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Note:

- Mounting clips are not removable once mounted at factory.
- *HC1 and HC5 Hard Ceiling Clips are optional on FM models, where installation is required in a hard ceiling. Standard FM models are for lay-in flat T-Bar ceilings.
- **TC2 Finline T-Bar Clips are supplied as standard on FMB Bolt-Slot models and allow unit to sit flush and level in ceiling grid.
- HCR High Capacity return option available for models FMR10 and FMBR10 includes a 1/2" x 1/2" x 1/2" (13 x 13 x 13) aluminum grid face.