

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 70-2006.

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.