

PERFORMANCE DATA:

Models 5075CTD, 5075CTD-F • 3/4" (19) Slot • Supply

	Size	Neck Velocity, FPM	200	300	400	500	600	700	800	900
		Velocity Pressure	.002	.006	.010	.016	.022	.031	.040	.050
1 Slot	8" Neck Dia.	Airflow, CFM	70	105	140	175	210	245	280	315
		Total Pressure	.017	.039	.070	.109	.156	.213	.278	.351
		Throw	2-3-6	3-5-10	4-7-12	5-9-14	7-11-16	8-12-17	9-13-18	10-14-19
		Noise Criteria	—	12	22	28	32	36	40	43
2 Slot	8" Neck Dia.	Airflow, CFM	70	105	140	175	210	245	280	315
		Total Pressure	.008	.019	.033	.052	.075	.102	.134	.169
		Throw	1-2-5	2-3-7	3-5-10	4-6-13	5-7-14	6-9-15	7-11-17	8-12-18
		Noise Criteria	—	—	12	18	22	26	30	33
	10" Neck Dia.	Airflow, CFM	110	160	220	270	330	380	435	490
		Total Pressure	.017	.036	.068	.102	.153	.203	.266	.337
		Throw	2-4-8	3-6-11	5-8-14	6-10-16	8-13-18	9-15-20	10-16-21	11-17-22
		Noise Criteria	—	14	20	26	30	34	38	41
3 Slot	10" Neck Dia.	Airflow, CFM	110	160	220	270	330	380	435	490
		Total Pressure	.011	.024	.045	.068	.101	.136	.176	.224
		Throw	2-4-7	3-5-9	4-6-12	5-8-15	7-11-19	8-12-21	9-14-23	10-16-25
		Noise Criteria	—	11	17	23	27	31	35	38
	12" Neck Dia.	Airflow, CFM	155	235	315	390	470	550	630	705
		Total Pressure	.020	.045	.081	.125	.181	.248	.326	.408
		Throw	3-5-10	5-8-14	6-10-18	8-12-21	10-16-25	12-18-26	14-19-27	15-20-28
		Noise Criteria	13	20	26	32	36	40	44	47
4 Slot	12" Neck Dia.	Airflow, CFM	155	235	315	390	470	550	630	705
		Total Pressure	.015	.034	.062	.092	.138	.189	.248	.310
		Throw	3-4-9	4-6-13	6-9-17	8-11-20	8-13-22	9-16-23	12-18-25	13-19-26
		Noise Criteria	10	17	23	29	33	37	41	44
	14" Neck Dia.	Airflow, CFM	215	320	430	535	640	750	855	960
		Total Pressure	.027	.059	.106	.165	.236	.324	.420	.530
		Throw	4-6-12	6-9-18	8-12-21	10-15-23	12-18-25	14-20-27	16-21-29	17-22-31
		Noise Criteria	17	24	30	36	40	44	48	51

Performance Notes:

1. Horizontal throws are given at 150, 100 and 50 fpm terminal velocities, under isothermal conditions, using a 4-way pattern.

2. All pressures are in inches w.g.. To obtain static pressure, subtract the velocity pressure from the total pressure.

3. Noise Criteria (NC) values are based upon 10dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates an Noise Criteria of less than 10.

4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

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CEILING DIFFUSERS