

PERFORMANCE DATA - Supply Plenum Slot Diffuser - Size 48 (DA_C, DAFB)

1 Slot	3/4" Slot	6", 8" Inlet	Flow	50	75	100	150	200	250
	Width		Total Pressure	.019	.042	.075	.168	.303	.475
			NC	—	15	23	35	43	49
	1" Slot	6", 8" Inlet	Throw	5-9-17	8-13-20	11-16-24	17-21-29	19-23-33	21-26-37
	Width		Flow	50	75	100	150	200	250
			Total Pressure	.013	.029	.053	.118	.209	.334
	1-1/2" Slot	6", 8" Inlet	NC	—	—	16	28	36	43
	Width		Throw	3-7-16	6-11-19	9-14-22	15-20-28	19-23-32	20-25-36
			Flow	100	150	200	250	300	350
2 Slots	3/4" Slot	6", 8" Inlet	Total Pressure	.032	.073	.130	.205	.295	.401
	Width		NC	—	20	28	34	39	44
			Throw	6-11-21	10-16-26	15-21-31	20-25-35	22-27-38	23-28-40
	1" Slot	8", 10" Inlet	Flow	150	200	250	300	400	500
	Width		Total Pressure	.052	.094	.147	.212	.379	.592
			NC	14	22	28	34	42	48
	1-1/2" Slot	8", 10" Inlet	Throw	8-14-25	12-19-30	15-22-33	20-26-36	24-29-41	26-32-46
	Width		Flow	200	300	400	500	600	700
			Total Pressure	.059	.134	.238	.374	.542	.735
3 Slots	3/4" Slot	8", 10" Inlet	NC	14	26	34	40	46	50
	Width		Throw	8-15-28	14-22-35	20-28-40	25-31-44	28-35-49	30-37-52
			Flow	300	400	500	600	700	800
	1" Slot	8", 10" Inlet	Total Pressure	.083	.148	.232	.334	.455	.603
	Width		NC	19	27	33	38	43	47
			Throw	10-18-33	14-23-38	19-28-43	22-32-47	28-36-51	31-38-54
	1-1/2" Slot	10", 12" Inlet	Flow	200	300	400	500	600	700
	Width		Total Pressure	.059	.134	.238	.374	.542	.735
			NC	14	26	34	40	46	50
4 Slots	3/4" Slot	8", 10" Inlet	Throw	8-15-28	14-22-35	20-28-40	25-31-44	28-35-49	30-37-52
	Width		Flow	300	400	500	600	700	800
			Total Pressure	.095	.168	.266	.381	.519	.682
	1" Slot	10", 12" Inlet	NC	21	29	35	40	45	49
	Width		Throw	11-19-34	16-25-39	20-29-43	25-33-47	29-36-51	32-39-55
			Flow	400	500	600	700	800	900
	1-1/2" Slot	10", 12" Inlet	Total Pressure	.105	.164	.238	.322	.424	.540
	Width		NC	22	28	34	38	42	45
			Throw	11-20-37	15-25-42	19-29-46	22-33-50	26-37-53	30-40-57

Notes on Performance Data

- Performance shown is based on testing in accordance with ANSI/ASHRAE Standard 70-1991.
- Flow is CFM of standard air.
- Total Pressure is inches of water gage.
- NC is noise criteria based on a room absorption of 10db re. 10⁻¹² watts.
- Throw is in feet to terminal velocities of 150-100-50 FPM for isothermal conditions.
- Throws listed are for one way pattern. For two-way pattern choose the number of slots in each direction and distribute the total air flow proportionally.