

Pyramid Plaque Diffuser - Lay In

MODEL	Duct Velocity Velocity Pressure	400 0.01	600 0.022	800 0.04	1000 0.062	1200 0.089	1400 0.122
PPD-06-LI	CFM	78	117	157	196	235	274
	Total Pressure	0.012	0.027	0.048	0.074	0.107	0.147
	NC	<20	<20	<20	20	26	31
	Radius of Diffusion	2-3-5	3-4-8	3-5-9	4-6-10	5-8-11	6-8-12
PPD-08-LI	CFM	140	210	280	350	420	490
	Total Pressure	0.013	0.029	0.052	0.079	0.115	0.157
	NC	<20	<20	<20	25	30	35
	Radius of Diffusion	2-3-6	3-5-10	4-7-11	6-8-13	7-10-14	8-11-15
PPD-10-LI	CFM	218	327	436	545	654	763
	Total Pressure	0.021	0.046	0.083	0.13	0.187	0.257
	NC	<20	<20	22	29	35	40
	Radius of Diffusion	3-5-9	4-6-13	6-9-14	7-10-16	8-11-17	10-13-19
PPD-12-LI	CFM	314	471	628	785	942	1099
	Total Pressure	0.03	0.066	0.116	0.182	0.259	0.357
	NC	<20	<20	26	33	39	43
	Radius of Diffusion	4-6-12	5-7-15	7-11-17	8-12-18	10-14-21	12-16-23
PPD-14-LI	CFM	428	641	855	1069	1283	1497
	Total Pressure	0.018	0.043	0.073	0.118	0.173	0.237
	NC	<20	<20	20	26	32	36
	Radius of Diffusion	5-6-13	6-8-16	8-12-20	10-14-23	12-17-26	13-19-29
PPD-16-LI	CFM	558	838	1117	1396	1675	1954
	Total Pressure	0.028	0.064	0.088	0.182	0.259	0.352
	NC	<20	<20	26	33	38	43
	Radius of Diffusion	5-7-14	7-10-18	9-14-22	11-17-25	14-20-28	15-21-31

Performance data based on ASHRAE 70-91

RADIUS OF DIFFUSION:
Horizontal distance (THROW) in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity (Vt).

TERMINAL VELOCITY:
Maximum velocity (Vt) in feet per minute at the specified distance from the outlet face (THROW) 150 fpm, 100 fpm and 50 fpm respectively.

AIRFLOW CFM: Standard air density and isothermal conditions.

TOTAL PRESSURE: Inches of water gauge required.

NOISE CRITERIA: Noise criteria (NC) curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.