Pyramid Plaque Diffuser Variable Pattern - Lay In

Duct Velocity / MODEL	Velocity Pressure	400 / 0.01	600 / 0.022	800 / 0.04	1000 / 0.062	1200 / 0.089	1400 / 0.122
PPDV-06-LI	CFM	78	117	157	196	235	274
	Total Pressure	0.011	0.025	0.046	0.071	0.102	0.139
	NC	<20	<20	<20	<20	<20	24
	Radius of Diffusion	1-1-2	1-2-3	2-3-5	2-3-6	3-5-9	4-6-10
	Vertical Projection	1-2	2-3	2-4	3-5	3-6	4-8
PPDV-08-LI	CFM	140	210	280	350	420	490
	Total Pressure	0.011	0.026	0.047	0.075	0.107	0.147
	NC	<20	<20	<20	<20	22	28
	Radius of Diffusion	1-2-4	2-3-6	2-4-7	3-5-9	4-7-11	5-8-12
	Vertical Projection	2-3	3-4	3-5	4-6	4-7	5-9
PPDV-10-LI	CFM	218	327	436	545	654	763
	Total Pressure	0.016	0.035	0.062	0.096	0.139	0.192
	NC	<20	<20	<20	<20	25	31
	Radius of Diffusion	2-3-7	3-5-9	4-6-13	5-7-14	6-9-15	7-10-16
	Vertical Projection	2-4	3-6	4-8	5-10	6-12	7-14
PPDV-12-LI	CFM	314	471	628	785	942	1099
	Total Pressure	0.02	0.044	0.078	0.122	0.175	0.242
	NC	<20	<20	<20	22	28	34
	Radius of Diffusion	3-4-8	4-6-12	5-7-15	7-11-17	8-12-18	9-13-20
	Vertical Projection	3-5	4-7	5-9	6-11	7-14	8-15
PPDV-14-LI	CFM	428	641	855	1069	1283	1497
	Total Pressure	0.021	0.033	0.059	0.093	0.133	0.186
	NC	<20	<20	<20	23	30	35
	Radius of Diffusion	3-4-9	5-6-12	6-7-14	7-11-17	8-12-19	9-13-21
	Vertical Projection	3-5	4-8	5-11	6-13	8-16	9-19
PPDV-16-LI	CFM	558	838	1117	1396	1675	1954
	Total Pressure	0.019	0.045	0.082	0.122	0.175	0.242
	NC	<20	<20	22	29	34	39
	Radius of Diffusion	4-6-11	5-7-14	7-10-18	8-14-21	9-14-22	11-17-25
	Vertical Projection	4-6	5-9	6-12	7-14	9-17	10-20

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).

TOTAL PRESSURE: Inches of water gauge required.

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.

VERTICAL PROJECTION: Vertical distance (THROW) in feet - minimum value is 20-degree heating to 0 fpm terminal velocity and maximum value is 20-degree cooling to 100 fpm terminal velocity.

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.