

# Model PSD-R - Supply Performance Data

NOMINAL 24" x 24" FACE

Nom. Neck Dia. (Sq. Ft.)	Neck Vel.	400	500	600	700	800	900	1000	1200	1400	1600
6" Dia. (0.196)	CFM	80	100	120	135	155	175	195	235	275	315
	Ps	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04
	NC	<20	<20	<20	<20	<20	<20	22	28	32	36
	Throw, Ft.	1-1-2	1-1-2	1-1-3	1-1-4	1-1-4	1-2-5	1-2-5	1-3-6	2-4-7	3-4-6
8" Dia. (0.349)	CFM	140	175	210	245	280	315	350	420	490	560
	Ps	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.09
	NC	<20	<20	<20	<20	<20	23	26	31	36	40
	Throw, Ft.	1-1-4	1-2-5	1-3-6	2-3-7	2-4-7	3-4-8	3-5-9	4-6-11	4-7-13	5-7-15
10" Dia. (0.545)	CFM	220	275	325	380	435	490	545	655	765	875
	Ps	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.09	0.12	0.16
	NC	<20	<20	<20	<20	22	26	29	34	39	43
	Throw, Ft.	1-3-6	2-4-7	3-4-9	3-5-10	4-6-12	4-7-13	5-7-15	6-9-17	7-10-20	8-12-23
12" Dia. (0.785)	CFM	315	395	470	550	630	705	785	940	1100	1255
	Ps	0.02	0.02	0.03	0.05	0.06	0.08	0.10	0.14	0.19	0.25
	NC	<20	<20	<20	21	25	28	31	36	41	45
	Throw, Ft.	3-4-8	4-5-11	4-6-13	5-7-15	6-8-17	6-9-19	7-10-21	8-13-25	10-15-29	11-17-33
14" Dia. (1.069)	CFM	430	535	640	750	855	960	1070	1285	1495	
	Ps	0.02	0.04	0.05	0.07	0.09	0.11	0.14	0.20	0.28	
	NC	<20	<20	<20	23	27	30	33	38	43	
	Throw, Ft.	4-6-11	5-7-14	6-9-17	7-10-20	8-11-23	9-13-26	10-14-29	11-17-34	13-20-40	
15" Dia. (1.227)	CFM	490	615	735	860	980	1105	1225	1475	1720	
	Ps	0.03	0.04	0.06	0.08	0.11	0.14	0.24	0.24	0.33	
	NC	<20	<20	<20	24	28	31	39	39	44	
	Throw, Ft.	4-7-13	5-8-16	7-10-20	8-11-23	9-13-26	10-15-29	13-20-39	13-20-39	15-23-46	

#### Test Standard

- ANSI / ASHRAE standard 70
- Isothermal Conditions

#### Sound Levels

- NC based on sound pressure levels with 10dB (ref: 10<sup>-12</sup> watts) room attenuation.

#### Throw

- Distance, in feet, relating to terminal velocities of 150-100-50 fpm.

#### Pressure

- Static pressure, inches of water gauge.



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