ENGINEERING DATA

DSR-P

Size (in. x in.)	Airflow Rate (CFM)	1000	1500	2000	2500
	Total System Static Pressure	0.13	0.29	0.51	0.79
48 x 24	Supply Static Pressure	0.05	0.12	0.21	0.33
	Return Static Pressure	-0.08	-0.17	-0.30	-0.47
	Horizontal Throw	10-14-20	14-18-25	17-20-29	19-23-32
	NC	14	24	31	36

Size (in. x in.)	Airflow Rate (CFM)	1500	2000	2500	3000	3500	4000	4500	5000
	Total System Static Pressure	0.07	0.13	0.20	0.29	0.40	0.52	0.65	0.81
48 x 36	Supply Static Pressure	0.04	0.08	0.12	0.17	0.23	0.30	0.38	0.47
	Return Static Pressure	-0.03	-0.05	-0.09	-0.12	-0.17	-0.22	-0.28	-0.34
	Horizontal Throw	12-18-25	16-20-29	19-23-32	20-25-35	22-27-38	23-29-41	25-31-43	26-32-46
	NC	19	25	30	34	37	40	43	45

Size (in. x in.)	Airflow Rate (CFM)	2000	2500	3000	3500	4000	4500	5000	5500	6000
	Total System Static Pressure	0.08	0.12	0.17	0.23	0.30	0.38	0.47	0.57	0.68
48 x 48	Supply Static Pressure	0.04	0.06	0.08	0.11	0.15	0.19	0.23	0.28	0.33
	Return Static Pressure	-0.04	-0.06	-0.09	-0.12	-0.15	-0.19	-0.24	-0.29	-0.34
	Horizontal Throw	13-20-29	17-23-32	20-25-35	22-27-38	23-29-41	25-31-43	26-32-46	28-34-48	29-35-50
	NC	17	23	28	32	35	38	41	44	46

Size (in. x in.)	Airflow Rate (CFM)	3000	4000	5000	6000	7000	8000	9000	10000
	Total System Static Pressure	0.07	0.12	0.19	0.28	0.38	0.49	0.63	0.77
60 x 60	Supply Static Pressure	0.04	0.08	0.12	0.17	0.24	0.31	0.39	0.48
	Return Static Pressure	-0.03	-0.05	-0.07	-0.11	-0.14	-0.19	-0.24	-0.29
	Horizontal Throw	12-25-35	22-29-41	26-32-46	29-35-50	31-38-54	33-41-54	35-43-61	37-46-64
	NC	22	31	38	43	48	52	55	59

Notes:

1. Data for 48x24 inches and 48x36 inches is for long side only. For short side data, multiply by 0.7.
2. NC values are based on a room, 68 x 80 x 14 feet with the sensor located 9 feet from diffuser.
3. Throw values are given for isothermal conditions.
4. Units: Pressure = in. wc.
5. Throw = feet at 150 fpm, 100 fpm and 50 fpm terminal velocities.
6. NC values are based on octave bands 2-7 sound power levels with a room absorption of 10 dB (Re: 10^{-12} watts).