

PSS / ADJUSTABLE / SIDE AND CORNER BLOW PATTERN

		Neck Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
12 x 12 Module	6" Dia.	Airflow, cfm	59	79	98	118	137	157	196	236	275
		Total Pressure	0.022	0.039	0.060	0.087	0.118	0.154	0.241	0.347	0.473
		NC (Noise Criteria)	-	-	16	22	27	32	39	45	50
		Throw	1-2-5	2-3-6	3-4-8	3-5-9	4-6-10	4-6-10	5-8-12	6-9-13	8-10-14
		Airflow, cfm	75	100	125	150	175	200	250	300	350
	6 x 6 Neck	Total Pressure	0.024	0.043	0.067	0.097	0.131	0.172	0.268	0.386	0.525
		NC (Noise Criteria)	-	-	17	23	28	33	40	46	51
		Throw	2-3-6	3-4-8	3-5-9	4-6-10	5-7-11	5-8-12	6-9-13	8-10-14	9-11-15
		Airflow, cfm	59	79	98	118	137	157	196	236	275
		Total Pressure	0.016	0.029	0.045	0.065	0.088	0.115	0.180	0.258	0.352
24 x 24 Module	6" Dia.	NC (Noise Criteria)	-	-	16	22	27	32	39	45	50
		Throw	1-2-5	2-3-6	3-4-8	3-5-9	4-6-10	4-6-10	5-8-12	6-9-13	8-10-14
		Airflow, cfm	75	100	125	150	175	200	250	300	350
		Total Pressure	0.017	0.030	0.047	0.067	0.091	0.119	0.187	0.269	0.366
		NC (Noise Criteria)	-	-	17	23	28	33	40	46	51
	6 x 6 Neck	Throw	2-3-6	3-4-8	3-5-9	4-6-10	5-7-11	5-8-12	6-9-13	8-10-14	9-11-15
		Airflow, cfm	105	140	175	209	244	279	349	419	489
		Total Pressure	0.018	0.032	0.050	0.072	0.098	0.128	0.200	0.288	0.392
		NC (Noise Criteria)	-	11	19	25	30	34	41	48	53
		Throw	2-4-7	3-5-10	4-6-11	5-7-12	6-9-13	6-10-14	8-11-15	10-12-17	11-13-18
8" Dia.	Airflow, cfm	133	178	222	267	311	356	444	533	622	
	Total Pressure	0.019	0.034	0.053	0.076	0.104	0.136	0.212	0.306	0.416	
	NC (Noise Criteria)	-	12	20	26	31	35	42	49	54	
	Throw	3-4-9	4-6-11	5-7-12	6-9-14	7-10-15	8-11-16	9-12-17	11-14-19	12-15-21	
	Airflow, cfm	164	218	273	327	382	436	545	654	764	
8 x 8 Neck	Total Pressure	0.020	0.036	0.056	0.081	0.111	0.145	0.226	0.325	0.443	
	NC (Noise Criteria)	-	13	20	26	32	36	43	49	54	
	Throw	3-5-10	4-6-12	5-8-14	6-10-15	8-11-16	9-12-17	11-14-19	12-15-21	13-16-23	
	Airflow, cfm	208	278	347	417	486	556	694	833	972	
	Total Pressure	0.022	0.039	0.061	0.088	0.120	0.157	0.246	0.354	0.481	
	NC (Noise Criteria)	-	14	21	27	33	37	44	50	55	
	Throw	4-6-11	5-8-14	6-9-15	8-11-17	9-13-18	10-14-20	13-15-22	14-17-24	15-18-26	
	Airflow, cfm	236	314	393	471	550	628	785	942	1100	
	Total Pressure	0.023	0.041	0.064	0.093	0.126	0.165	0.258	0.371	0.505	
	12 x 12 Neck	NC (Noise Criteria)	-	15	22	28	33	37	45	51	56
Throw		4-6-12	5-8-15	7-10-16	8-12-18	9-14-19	11-15-21	13-16-23	15-18-25	16-19-27	
Airflow, cfm		300	400	500	600	700	800	1000	1200	1400	
Total Pressure		0.021	0.036	0.057	0.082	0.112	0.146	0.228	0.328	0.447	
NC (Noise Criteria)		-	16	23	29	34	38	46	52	57	
Throw		5-7-14	6-9-17	8-12-18	9-14-20	11-15-22	12-17-23	15-18-26	17-20-29	18-22-31	
Airflow, cfm		321	428	535	641	748	855	1069	1283	1497	
Total Pressure		0.021	0.037	0.057	0.083	0.112	0.147	0.229	0.330	0.449	
NC (Noise Criteria)		-	16	23	29	34	39	46	52	57	
14" Dia.		Throw	5-7-15	6-10-17	8-12-19	10-15-21	11-16-23	13-17-24	16-19-27	17-21-30	18-23-32
	Airflow, cfm	419	559	698	838	977	1117	1396	1676	1955	
	Total Pressure	0.021	0.038	0.059	0.085	0.115	0.151	0.235	0.339	0.461	
	NC (Noise Criteria)	-	17	24	30	35	40	47	53	58	
	Throw	6-8-17	7-11-20	9-14-22	11-17-24	13-18-26	15-20-28	18-22-31	20-24-34	21-26-37	

- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006. Actual performance, with flexible duct inlet, may vary in the field. See the Engineering Guidelines section of this catalog for additional information.
- Throw values given are for terminal velocities of 150, 100 and 50 fpm and for isothermal conditions
- For an explanation of catalog throw data, see the Engineering Guidelines section of this catalog
- NC values based on octave band 2 to 7 sound power levels minus a room absorption of 10 dB
- Each NC value represents the noise criteria curve that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10<sup>-12</sup> watts
- Dash (-) in space denotes an NC value of less than 10
- All pressures are given in inches of water
- To obtain static pressure, subtract the velocity pressure from the total pressure

