

TND-AA

Nominal Size (In.)	Nominal Duct Size (In.)	Nozzle Velocity, fpm	750	1000	1250	1500	1750	2000	2500	3000	3500	4000
6	6.5	Air Flow, cfm	40	50	60	70	80	90	120	140	160	190
		Static Pressure, IN WG	0.05	0.08	0.12	0.16	0.21	0.27	0.48	0.65	0.85	1.20
		Total Pressure, IN WG	0.05	0.08	0.12	0.17	0.22	0.28	0.5	0.67	0.88	1.24
		NC (Noise Criteria)	-	-	-	-	-	-	22	26	30	34
		Throw, FT	6-12-21	7-15-24	9-17-26	10-20-28	12-21-30	13-23-32	17-26-37	20-28-40	21-30-43	23-33-47
8	8.38	Air Flow, cfm	60	90	110	130	150	170	210	260	300	340
		Static Pressure, IN WG	0.04	0.08	0.13	0.18	0.23	0.30	0.46	0.70	0.93	1.20
		Total Pressure, IN WG	0.04	0.08	0.14	0.19	0.24	0.31	0.48	0.73	0.97	1.25
		NC (Noise Criteria)	-	-	-	-	20	23	28	33	37	40
		Throw, FT	6-13-26	10-19-32	12-24-36	14-27-39	16-29-42	18-31-44	23-35-49	27-39-55	29-42-59	31-44-63
10	11.13	Air Flow, cfm	120	170	210	250	290	330	410	500	580	660
		Static Pressure, IN WG	0.04	0.08	0.12	0.17	0.23	0.30	0.46	0.69	0.93	1.20
		Total Pressure, IN WG	0.04	0.08	0.13	0.18	0.24	0.31	0.48	0.72	0.98	1.26
		NC (Noise Criteria)	-	-	-	-	-	21	27	32	36	39
		Throw, FT	9-19-37	13-26-44	16-33-49	19-38-54	22-41-58	26-44-62	32-49-69	38-54-76	41-58-82	44-62-87
12	12.56	Air Flow, cfm	170	230	290	350	400	460	580	690	810	920
		Static Pressure, IN WG	0.04	0.08	0.12	0.17	0.23	0.30	0.48	0.68	0.93	1.20
		Total Pressure, IN WG	0.04	0.08	0.13	0.18	0.24	0.32	0.51	0.72	0.99	1.27
		NC (Noise Criteria)	-	-	-	-	20	23	29	33	37	40
		Throw, FT	11-22-44	15-30-51	19-38-58	23-45-63	26-48-68	30-51-73	38-58-82	45-63-89	48-68-97	51-73-103
14	12.56	Air Flow, cfm	255	340	425	510	590	720	850	1015	1190	1355
		Static Pressure, IN WG	.04	.08	.12	.17	.23	.3	.47	.67	.92	1.2
		Total Pressure, IN WG	0.05	0.09	0.14	0.19	0.26	0.34	0.53	0.76	1.04	1.35
		NC (Noise Criteria)	-	-	-	-	21	25	31	35	40	43
		Throw, FT	14-27-52	18-36-63	23-43-69	28-54-75	32-58-72	36-52-88	45-69-97	51-76-104	58-83-115	62-88-124
16	16.88	Air Flow, cfm	340	450	560	670	780	900	1120	1340	1570	1790
		Static Pressure, IN WG	0.04	0.08	0.12	0.17	0.23	0.30	0.46	0.67	0.91	1.19
		Total Pressure, IN WG	0.04	0.09	0.13	0.18	0.25	0.32	0.49	0.72	0.97	1.27
		NC (Noise Criteria)	-	-	-	20	24	27	33	38	42	45
		Throw, FT	16-32-63	21-42-72	26-53-80	32-62-88	37-67-95	42-72-102	53-80-114	62-88-124	67-95-134	72-102-144
18	19.25	Air Flow, cfm	430	570	720	860	1000	1150	1430	1720	2010	2290
		Static Pressure, IN WG	0.04	0.07	0.11	0.16	0.22	0.29	0.44	0.64	0.88	1.14
		Total Pressure, IN WG	0.04	0.07	0.12	0.17	0.24	0.31	0.47	0.69	0.94	1.22
		NC (Noise Criteria)	-	-	-	-	23	26	31	36	40	43
		Throw, FT	18-36-70	24-47-81	30-60-91	36-70-100	42-76-107	48-81-115	60-91-128	70-100-141	76-108-152	81-115-162
20	19.25	Air Flow, cfm	610	810	1020	1220	1420	1630	2040	2440	2850	3260
		Static Pressure, IN WG	0.04	0.07	0.12	0.17	0.23	0.30	0.47	0.67	0.92	1.2
		Total Pressure, IN WG	0.05	0.08	0.14	0.19	0.26	0.34	0.53	0.76	1.04	1.36
		NC (Noise Criteria)	-	-	-	21	25	28	34	39	43	46
		Throw, FT	21-43-84	28-57-97	36-71-108	43-84-119	50-90-128	57-97-137	71-108-153	84-119-168	91-128-181	97-137-194

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PERFORMANCE DATA

- All pressures given are in inches of water
- Throw values given are for terminal velocities of 200, 100 and 50 fpm and for isothermal conditions. See the section, Engineering Guidelines for additional throw information.
- The throw values listed are without ceiling effect
- For throw values with ceiling effect apply a correction factor of 1.4
- To obtain static pressure, subtract the velocity pressure from the total pressure

- Each NC value represents the noise criteria curve that will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th, with a room absorption of 10 dB, re 10⁻¹² watts
- Dash (-) in space denotes an NC value of less than 20
- Actual performance, with flexible duct inlet, may vary. See the section, Engineering Guidelines for additional information.