



# TurboNozzle Performance Data

Model: NT

SIZE	Neck Velocity (fpm)		300		400		500		600		700		800		1000		1200		1400	
	Velocity Pressure (in.,wg)		0.006		0.010		0.016		0.022		0.031		0.040		0.062		0.090		0.122	
	Deflection		0	22.5	0	22.5	0	22.5	0	22.5	0	22.5	0	22.5	0	22.5	0	22.5	0	22.5
4	Neck Area sq.ft 0.087	CFM	30		40		50		60		70		80		90		110		130	
		SP(in.,wg)	-	-	-	-	0.030	0.060	0.048	0.065	0.065	0.100	0.085	0.120	0.110	0.150	0.132	0.220	0.225	0.300
		NC	-	-	-	-	-	-	15	19	20	24	22	28	30	31	32	36	37	38
		Throw(ft.)	9	8	10	8	11	9	12	10	13	11	14	12	14	13	15	14	16	15
6	Neck Area sq.ft 0.196	CFM	60		80		100		120		140		160		200		240		280	
		SP(in.,wg)	-	0.02	-	0.03	0.020	0.050	0.030	0.050	0.050	0.062	0.045	0.075	0.074	0.128	0.120	0.200	0.170	0.290
		NC	-	-	-	-	-	-	-	-	-	17	15	20	22	28	29	34	34	41
		Throw(ft.)	10	8	12	10	15	12	26	15	16	13	19	18	21	20	24	22	26	23
8	Neck Area sq.ft 0.349	CFM	110		140		180		210		250		280		350		420		490	
		SP(in.,wg)	-	-	0.010	0.020	0.020	0.030	0.024	0.040	0.040	0.060	0.055	0.100	0.090	0.120	0.150	0.210	0.220	0.300
		NC	-	-	-	18	-	18	15	18	20	21	22	26	25	32	27	33	35	40
		Throw(ft.)	14	12	18	17	20	18	22	20	24	21	26	23	28	25	30	27	32	28
10	Neck Area sq.ft 0.545	CFM	170		220		280		330		390		440		550		660		770	
		SP(in.,wg)	-	-	-	0.020	0.010	0.030	0.018	0.040	0.030	0.050	0.040	0.062	0.054	0.091	0.076	0.130	0.100	0.240
		NC	-	-	-	-	-	15	-	20	20	22	15	16	24	18	25	32	34	38
		Throw(ft.)	21	18	24	20	26	21	28	24	30	27	32	28	34	31	38	33	40	35
12	Neck Area sq.ft 0.785	CFM	240		320		400		480		550		630		790		950		1100	
		SP(in.,wg)	-	-	-	0.010	-	0.025	0.035	0.040	0.040	0.050	0.050	0.100	0.050	0.090	0.060	0.100	0.100	0.200
		NC	-	-	-	-	-	-	-	-	-	20	18	22	22	32	31	38	35	42
		Throw(ft.)	25	21	27	23	28	26	31	28	34	31	35	32	41	38	42	40	43	41
14	Neck Area sq.ft 1.069	CFM	330		430		540		650		750		860		1070		1290		1500	
		SP(in.,wg)	-	-	-	-	-	0.026	0.030	0.041	0.028	0.040	0.030	0.050	0.040	0.060	0.050	0.100	0.150	0.250
		NC	-	-	-	-	-	-	-	15	15	21	16	29	24	30	29	34	36	40
		Throw(ft.)	27	23	30	26	33	31	37	33	40	36	41	39	43	41	52	46	59	50
16	Neck Area sq.ft 1.396	CFM	420		560		700		840		980		1120		1400		1680		1960	
		SP(in.,wg)	-	-	-	-	-	0.030	0.022	0.038	0.033	0.022	0.040	0.030	0.050	0.041	0.060	0.070	0.070	0.085
		NC	-	-	-	-	-	-	-	-	-	15	-	17	23	26	30	33	35	38
		Throw(ft.)	30	27	34	32	38	36	41	39	43	41	46	43	54	48	62	54	70	60
20	Neck Area sq.ft 2.182	CFM	660		880		1100		1310		1530		1750		2190		2620		3060	
		SP(in.,wg)	-	-	-	-	-	0.03	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.10	0.11	0.12	0.14
		NC	-	-	-	-	-	-	-	15	-	15	17	25	26	32	30	35	36	72
		Throw(ft.)	40	37	45	41	46	45	53	48	57	53	63	56	71	63	80	79	88	72
24	Neck Area sq.ft 3.142	CFM	950		1260		1580		1890		2200		2520		3150		3780		4400	
		SP(in.,wg)	-	-	-	-	-	0.03	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.09	0.10	0.12	0.13
		NC	-	-	-	-	-	-	-	15	15	22	19	27	24	33	32	37	38	44
		Throw(ft.)	46	44	52	48	57	53	62	57	67	62	73	67	83	76	93	85	104	95

THE THROW VALUES ARE BASED ON A 50 FPM TERMINAL VELOCITY.  
 DASHED LINE IN SP BOX INDICATES STATIC PRESSURE IS LESS THAN 0.01 IN.W.G.  
 DASHED LINE IN NC BOX INDICATES NOISE LEVEL IS LESS THAN 20.  
 NC LEVEL IS BASED ON 10dB ROOM ATTENUATION(PWL RE:10-12 WATTS) WITH ONE DIFFUSER OPERATING.

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