



TurboNozzle Performance Data

Model: **NTX-R**

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	0
4	Neck Area sq.ft 0.077	CFM	30		40		50		60		70		80		90		110		130		
		SP(in.,wg)	-	-	-	-	0.023	0.047	0.037	0.050	0.050	0.078	0.066	0.093	0.085	0.116	0.100	0.170	0.174	0.232	
		NC	-	-	-	-	-	-	14	20	19	23	21	27	29	30	31	35	36	37	
		Throw(ft.)	8	7	9	7	10	8	11	9	11	10	12	10	12	11	13	12	14	13	
6	Neck Area sq.ft 0.180	CFM	60		80		90		110		130		150		180		220		260		
		SP(in.,wg)	-	0.02	-	0.02	0.013	0.039	0.023	0.039	0.029	0.048	0.033	0.058	0.057	0.100	0.093	0.155	0.132	0.244	
		NC	-	-	-	-	-	-	-	-	-	16	-	19	21	27	28	33	33	40	
		Throw(ft.)	9	7	11	9	13	11	14	13	14	11	11	17	16	18	21	19	23	20	
8	Neck Area sq.ft 0.349	CFM	100		140		170		200		230		270		330		400		460		
		SP(in.,wg)	-	-	0.008	0.016	0.016	0.024	0.019	0.032	0.040	0.047	0.044	0.080	0.071	0.095	0.120	0.166	0.170	0.240	
		NC	-	-	-	17	-	17	15	17	19	20	21	25	24	31	26	32	34	39	
		Throw(ft.)	13	11	16	15	18	16	20	18	21	19	23	21	25	22	26	24	28	25	
10	Neck Area sq.ft 0.545	CFM	160		210		260		310		360		410		510		610		710		
		SP(in.,wg)	-	-	-	0.017	0.009	0.026	0.015	0.034	0.026	0.043	0.034	0.053	0.046	0.077	0.065	0.110	0.085	0.200	
		NC	-	-	-	-	-	15	-	19	19	21	15	16	23	27	24	31	33	37	
		Throw(ft.)	19	16	22	18	24	19	26	22	27	25	29	26	31	28	35	30	36	32	
12	Neck Area sq.ft 0.785	CFM	230		300		370		450		520		590		740		890		1030		
		SP(in.,wg)	-	-	-	0.009	-	0.023	0.032	0.037	0.037	0.046	0.046	0.053	0.047	0.083	0.055	0.093	0.093	0.160	
		NC	-	-	-	-	-	-	-	-	-	19	17	21	21	31	30	37	34	41	
		Throw(ft.)	24	20	26	22	27	25	30	27	32	30	33	30	39	36	40	38	41	39	
14	Neck Area sq.ft 1.069	CFM	310		410		510		610		710		810		1010		1220		1420		
		SP(in.,wg)	-	-	-	-	-	0.024	0.028	0.039	0.026	0.038	0.028	0.047	0.038	0.056	0.047	0.094	0.141	0.235	
		NC	-	-	-	-	-	-	-	15	15	20	15	28	23	29	28	33	35	40	
		Throw(ft.)	26	22	29	25	32	30	36	32	38	35	39	37	41	40	50	44	57	48	
16	Neck Area sq.ft 1.396	CFM	400		540		670		800		930		1070		1330		1600		1860		
		SP(in.,wg)	-	-	-	-	-	0.030	0.021	0.032	0.031	0.038	0.038	0.037	0.047	0.038	0.056	0.066	0.066	0.080	
		NC	-	-	-	-	-	-	-	-	-	15	-	16	22	25	29	32	34	37	
		Throw(ft.)	29	26	33	31	36	35	39	37	41	39	44	41	52	46	59	52	67	58	
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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