



# Reversible TurboNozzle Performance Data

Model: **NX**

SIZE	300			400			500			600			700			800			1000			1200			1400			1600							
	Velocity Pressure (in., wg)			0.006			0.010			0.016			0.022			0.031			0.040			0.062			0.090			0.122			0.160				
	Terminal Velocity (fpm)			50	100	150	50	100	150	50	100	150	50	100	150	50	100	150	50	100	150	50	100	150	50	100	150	50	100	150	50	100	150		
6	Neck Area Sq. Ft. 0.196	CFM			60			80			100			120			140			160			200			240			280			310			
		SP (in., wg) Pos.1 (Diffused)	0.01			0.02			0.03			0.04			0.05			0.07			0.1			0.14			0.19			0.25					
		SP (in., wg) Pos.2 (Straight)	0.03			0.05			0.08			0.11			0.15			0.2			0.3			0.44			0.6			0.73					
		NC, Pos.1 (Diffused)	-----			-----			-----			-----			-----			-----			-----			24			31			36			39		
		NC, Pos.2 (Straight)	-----			-----			-----			-----			-----			-----			-----			24			27			29			36		
		Throw (Ft.) Pos.1 (Diffused)	10	< 2	< 2	12	3	2	14	6	4	16	8	6	17	10	7	18	12	8	20	15	10	21	17	11	22	19	12	23	20	13	24	21	14
		Throw (Ft.) Pos.2 (Straight)	23	13	9	28	18	12	32	22	14	35	25	16	38	28	18	40	30	19	44	33	21	48	37	23	51	39	25	52	41	26	54	43	28
8	Neck Area Sq. Ft. 0.349	CFM			110			140			180			210			250			280			350			420			490			560			
		SP (in., wg) Pos.1 (Diffused)	0.03			0.05			0.08			0.1			0.15			0.19			0.29			0.42			0.57			0.74					
		SP (in., wg) Pos.2 (Straight)	0.09			0.15			0.24			0.33			0.47			0.59			0.92			1.32			1.80			2.35					
		NC, Pos.1 (Diffused)	-----			-----			-----			-----			-----			-----			-----			24			30			36			40		
		NC, Pos.2 (Straight)	-----			-----			-----			-----			-----			-----			-----			24			29			32			38		
		Throw (Ft.) Pos.1 (Diffused)	13	4	3	17	7	5	21	11	7	24	13	8	27	15	9	29	17	10	32	20	12	35	22	14	38	24	15	40	26	16	42	28	17
		Throw (Ft.) Pos.2 (Straight)	29	24	12	33	29	14	38	33	16	41	36	17	44	39	18	46	41	19	50	45	20	54	48	21	56	51	23	59	53	24	61	55	25
10	Neck Area Sq. Ft. 0.545	CFM			170			220			280			330			390			440			550			660			770			870			
		SP (in., wg) Pos.1 (Diffused)	0.01			0.02			0.03			0.04			0.05			0.07			0.11			0.16			0.21			0.27					
		SP (in., wg) Pos.2 (Straight)	0.07			0.12			0.20			0.27			0.38			0.48			0.76			1.09			1.48			1.89					
		NC, Pos.1 (Diffused)	-----			-----			-----			-----			-----			-----			-----			22			30			36			40		
		NC, Pos.2 (Straight)	-----			-----			-----			-----			-----			-----			-----			21			27			31			39		
		Throw (Ft.) Pos.1 (Diffused)	14	6	3	20	9	6	26	12	9	30	15	11	34	17	14	37	18	14	43	21	17	47	24	19	51	26	20	54	28	22	57	30	23
		Throw (Ft.) Pos.2 (Straight)	36	22	14	42	27	16	49	31	19	53	34	20	58	37	23	61	39	23	67	42	25	71	46	27	76	48	28	81	51	29	85	53	30
12	Neck Area Sq. Ft. 0.785	CFM			240			320			400			480			550			630			790			950			1100			1260			
		SP (in., wg) Pos.1 (Diffused)	0.01			0.02			0.03			0.05			0.06			0.08			0.13			0.19			0.25			0.33					
		SP (in., wg) Pos.2 (Straight)	0.06			0.10			0.16			0.23			0.30			0.40			0.62			0.90			1.21			1.59					
		NC, Pos.1 (Diffused)	-----			-----			-----			-----			-----			-----			-----			24			31			37			43		
		NC, Pos.2 (Straight)	-----			-----			-----			-----			-----			-----			-----			25			30			36			45		
		Throw (Ft.) Pos.1 (Diffused)	20	8	5	23	12	8	26	15	11	32	18	13	35	20	15	38	22	16	43	25	19	46	27	21	51	29	23	55	31	25	58	33	26
		Throw (Ft.) Pos.2 (Straight)	41	25	15	48	30	18	50	34	20	59	37	22	63	40	23	67	42	25	72	45	27	77	49	28	81	51	30	85	53	31	89	55	32
14	Neck Area Sq. Ft. 1.069	CFM			330			430			540			650			750			860			1070			1290			1500			1695			
		SP (in., wg) Pos.1 (Diffused)	0.01			0.02			0.03			0.04			0.05			0.07			0.10			0.15			0.20			0.26					
		SP (in., wg) Pos.2 (Straight)	0.06			0.11			0.17			0.24			0.32			0.42			0.65			0.95			1.28			1.64					
		NC, Pos.1 (Diffused)	-----			-----			-----			-----			-----			-----			-----			24			32			38			43		
		NC, Pos.2 (Straight)	-----			-----			-----			-----			-----			-----			-----			20			27			32			37		
		Throw (Ft.) Pos.1 (Diffused)	23	12	6	27	16	9	31	20	12	34	23	14	37	26	16	39	28	17	43	32	20	46	35	22	53	37	24	56	39	25	59	41	26
		Throw (Ft.) Pos.2 (Straight)	47	28	16	54	33	19	60	37	21	65	40	23	68	42	24	72	44	26	78	48	28	83	51	29	87	54	31	90	56	32	93	58	33
16	Neck Area Sq. Ft. 1.396	CFM			420			560			700			840			980			1120			1400			1680			1960			2240			
		SP (in., wg) Pos.1 (Diffused)	0.01			0.02			0.02			0.04			0.05			0.06			0.10			0.14			0.20			0.25					
		SP (in., wg) Pos.2 (Straight)	0.06			0.1			0.16			0.23			0.31			0.4			0.63			0.90			1.23			1.61					
		NC, Pos.1 (Diffused)	-----			-----			-----			-----			-----			-----			-----			21			29			36			41		
		NC, Pos.2 (Straight)	-----			-----			-----			-----			-----			-----			-----			20			27			34			39		
		Throw (Ft.) Pos.1 (Diffused)	24	13	6	28	15	8	33	19	10	37	21	12	40	24	14	43	26	15	48	29	17	51	32	19	55	35	20	57	39	21	60	41	22
		Throw (Ft.) Pos.2 (Straight)	49	30	17	56	34	20	66	39	22	69	41	24	71	43	25	74	45	27	82	50	29	85	52	30	89	56	32	92	58	33	95	60	34

- Note: - Tested in accordance with ASHRAE 70-2006 Standard.  
- Throw values given are for terminal velocities of 50, 100 and 150 fpm and for isothermal conditions.  
- Static Pressure (SP) are in inches of water gauge required.  
- Noise Criteria: NC Level is based on Room Attenuation of 10 db (Sound Power Level Re: 10-12 watts) with one diffuser operating.  
- Terminal Velocity: Maximum velocity [V] in feet per minute at the specified distance from the outlet face.  
- Dash line [-] in NC Box denotes an NC value of less than 20.  
- Static Pressure, Noise Criteria and Throw values represented in two positions: Diffused Air Pattern position and Straight Pattern position.

\*Seiho International reserves the right to make changes without prior notice.

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