



Reversible TurboNozzle Performance Data (Metric)

Model: **NX**

SIZE	Neck Velocity (m/s)		1.52			2.03			2.54			3.05			3.56			4.06			5.08			6.1			7.11			8.13		
	Velocity Pressure (mmAg)		0.150			0.250			0.410			0.560			0.790			1.020			1.570			2.290			3.100			4.060		
	Terminal Velocity (m/s)		0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762	0.254	0.508	0.762
6	Neck Area Sq. m 0.0182	Volume (CMH)	102			136			170			204			238			272			340			408			476			528		
		SP (mmAg) Pos.1 (Diffused)	0.25			0.51			0.76			1.02			1.27			1.78			2.54			3.56			4.83			6.35		
		SP (mmAg) Pos.2 (Straight)	0.76			1.27			2.03			2.79			3.81			5.08			7.62			11.18			15.24			18.54		
		NC, Pos.1 (Diffused)	----			----			----			----			----			----			24			31			36			39		
		NC, Pos.2 (Straight)	----			----			----			24			27			29			36			42			49			> 50		
		Throw (m) Pos.1 (Diffused)	3.1	< 0.6	< 0.6	3.7	0.9	0.6	4.3	1.8	1.2	4.9	2.4	1.8	5.2	3.1	2.1	5.5	3.7	2.4	6.1	4.6	3.1	6.4	5.2	3.4	6.7	5.8	3.7	7.0	6.1	4.0
		Throw (m) Pos.2 (Straight)	7.0	4.0	2.7	8.5	5.5	3.7	9.8	6.7	4.3	10.7	7.6	4.9	11.6	8.5	5.5	12.2	9.2	5.8	13.4	10.1	6.4	14.6	11.3	7.0	15.6	11.9	7.6	15.9	12.5	7.9
		Volume (CMH)	187			238			306			357			425			476			595			714			833			954		
		SP (mmAg) Pos.1 (Diffused)	0.76			1.27			2.03			2.54			3.81			4.83			7.37			10.67			14.48			18.80		
		SP (mmAg) Pos.2 (Straight)	2.29			3.81			6.10			8.38			11.94			14.99			23.37			33.53			45.72			59.69		
NC, Pos.1 (Diffused)	----			----			----			----			----			----			24			30			36			40				
NC, Pos.2 (Straight)	----			----			----			24			29			32			38			43			48			> 50				
Throw (m) Pos.1 (Diffused)	4.0	1.2	0.9	5.2	2.1	1.5	6.4	3.4	2.1	7.3	4.0	2.4	8.2	4.6	2.7	8.8	5.2	3.1	9.8	6.1	3.7	10.7	6.7	4.3	11.6	7.3	4.6	12.2	7.9	4.9		
Throw (m) Pos.2 (Straight)	8.8	7.3	3.7	10.1	8.8	4.3	11.6	10.1	4.9	12.5	11.0	5.2	13.4	11.9	5.5	14.0	12.5	5.8	15.3	13.7	6.1	16.5	14.6	6.4	17.1	15.6	7.0	18.0	16.2	7.3		
Volume (CMH)	289			374			476			561			663			748			934			1121			1308			1482				
SP (mmAg) Pos.1 (Diffused)	0.25			0.51			0.76			1.02			1.27			1.78			2.79			4.06			5.33			6.86				
SP (mmAg) Pos.2 (Straight)	1.78			3.05			5.08			6.86			9.65			12.19			19.30			27.69			37.59			48.01				
NC, Pos.1 (Diffused)	----			----			----			----			----			----			22			30			36			40				
NC, Pos.2 (Straight)	----			----			----			21			27			31			39			46			50			> 50				
Throw (m) Pos.1 (Diffused)	4.3	1.8	0.9	6.1	2.7	1.8	7.9	3.7	2.7	9.2	4.6	3.4	10.4	5.2	4.3	11.3	5.5	4.3	13.1	6.4	5.2	14.3	7.3	5.8	15.6	7.9	7.6	16.5	8.5	6.7		
Throw (m) Pos.2 (Straight)	11.0	6.7	4.3	12.8	8.2	4.9	14.9	9.5	5.8	16.2	10.4	6.1	17.7	11.3	7.0	18.6	11.9	7.0	20.4	12.8	7.6	21.7	14.0	8.2	23.2	14.6	8.8	24.1	15.3	9.2		
Volume (CMH)	408			544			680			816			934			1070			1342			1614			1869			2147				
SP (mmAg) Pos.1 (Diffused)	0.25			0.51			0.76			1.27			1.52			2.03			3.30			4.83			6.35			8.38				
SP (mmAg) Pos.2 (Straight)	1.52			2.54			4.06			5.84			7.62			10.16			15.75			22.86			30.73			40.39				
NC, Pos.1 (Diffused)	----			----			----			----			----			----			24			31			37			43				
NC, Pos.2 (Straight)	----			----			----			25			30			36			45			50			50			> 50				
Throw (m) Pos.1 (Diffused)	6.1	2.4	1.5	7.0	3.7	2.4	7.9	4.6	3.4	9.8	5.5	4.0	10.7	6.1	4.6	11.6	6.7	4.9	13.1	7.6	5.8	14.0	8.2	6.4	15.6	8.8	7.0	16.8	9.5	7.6		
Throw (m) Pos.2 (Straight)	12.5	7.6	4.6	14.6	9.2	5.5	15.3	10.4	6.1	18.0	11.3	6.7	19.2	12.2	7.0	20.4	12.8	7.6	22.0	14.6	8.5	23.5	14.9	8.5	24.7	15.6	9.2	25.9	16.2	9.5		
Volume (CMH)	561			731			917			1104			1274			1461			1818			2192			2549			2888				
SP (mmAg) Pos.1 (Diffused)	0.25			0.51			0.76			1.02			1.27			1.78			2.54			3.81			5.08			6.60				
SP (mmAg) Pos.2 (Straight)	1.52			2.79			4.32			6.10			8.13			10.67			16.51			24.13			32.51			41.66				
NC, Pos.1 (Diffused)	----			----			----			----			----			----			24			32			38			43				
NC, Pos.2 (Straight)	----			----			20			27			32			37			46			50			50			> 50				
Throw (m) Pos.1 (Diffused)	7.0	3.7	1.8	8.2	4.9	2.7	9.5	6.1	3.7	10.4	7.0	4.3	11.3	7.9	4.9	11.9	8.5	5.2	13.1	9.8	6.1	14.0	10.7	6.7	16.2	11.3	7.3	17.1	11.9	7.6		
Throw (m) Pos.2 (Straight)	14.3	8.5	4.9	16.5	10.1	5.8	18.3	11.3	6.4	19.8	12.2	7.0	20.7	12.8	7.3	22.0	13.4	7.9	23.8	14.6	8.5	25.3	15.6	8.8	26.5	16.5	9.5	27.5	17.1	9.8		
Volume (CMH)	714			951			1189			1427			1665			1903			2379			2854			3330			3817				
SP (mmAg) Pos.1 (Diffused)	0.25			0.51			0.76			1.02			1.27			1.52			2.54			3.56			5.08			6.35				
SP (mmAg) Pos.2 (Straight)	1.52			2.54			4.06			5.84			7.87			10.16			16.00			22.86			31.24			40.89				
NC, Pos.1 (Diffused)	----			----			----			----			----			21			29			36			41			46				
NC, Pos.2 (Straight)	----			----			20			27			34			39			49			50			50			> 50				
Throw (m) Pos.1 (Diffused)	7.3	4.0	1.8	8.5	4.6	2.4	10.1	5.8	3.1	11.3	6.4	3.7	12.2	7.3	4.3	13.1	7.9	4.6	14.6	8.8	5.2	15.6	9.8	5.8	16.8	10.7	6.1	17.4	11.9	7.9		
Throw (m) Pos.2 (Straight)	14.9	9.2	5.2	17.1	10.4	6.1	20.1	11.9	6.7	21.0	12.5	7.3	21.7	13.1	7.6	22.6	13.7	8.2	25.0	15.3	8.8	25.9	15.9	9.2	27.1	17.1	9.8	28.1	17.7	10.1		

Note: - Throw values given are for terminal velocities of 0.254m/s, 0.508m/s and 0.762m/s, 100 and 150, for isothermal conditions.
 - Static Pressure (SP) are in mmAg.
 - 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 meters per second 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.