



TurboNozzle Performance Data (Metric)

Model: **NTX**

SIZE	Neck Velocity (m/s)		1.52		2.03		2.54		3.05		3.56		4.06		5.08		6.10		7.11	
	Velocity Pressure (mmAq)		0.15		0.25		0.41		0.56		0.79		1.02		1.57		2.29		3.10	
	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.m 0.0072	CMH	51		68		85		102		119		136		153		187		221	
		PA	-	-	-	-	0.58	1.19	0.94	1.27	1.27	1.98	1.67	2.36	2.15	2.94	2.53	4.31	4.41	5.88
		NC	-	-	-	-	-	-	14	20	19	23	21	27	29	30	31	35	36	37
		Throw(m)	2.4	2.1	2.7	2.1	3.0	2.4	3.4	2.7	3.4	3.0	3.7	3.0	3.7	3.4	4.0	3.7	4.3	4.0
6	Neck Area sq.m 0.017	CMH	102		136		170		204		238		272		340		408		476	
		PA	-	0.51	-	0.51	0.33	0.99	0.58	0.99	0.73	1.22	0.84	1.47	1.44	2.53	2.36	3.93	3.34	6.18
		NC	-	-	-	-	-	-	-	-	-	16	-	19	21	27	28	33	33	40
		Throw(m)	2.7	2.1	3.4	2.7	4.0	3.4	4.3	4.0	4.3	3.4	3.4	5.2	4.9	5.5	6.4	5.8	7.0	6.1
8	Neck Area sq.m 0.032	CMH	187		238		306		357		425		476		595		714		833	
		PA	-	-	0.20	0.41	0.41	0.61	0.48	0.81	1.01	1.19	1.11	2.03	1.80	2.41	3.04	4.21	4.31	6.08
		NC	-	-	-	17	-	17	15	17	19	20	21	25	24	31	26	32	34	39
		Throw(m)	4.0	3.4	4.9	4.6	5.5	4.9	6.1	5.5	6.4	5.8	7.0	6.4	7.6	6.7	7.9	7.3	8.5	7.6
10	Neck Area sq.m 0.051	CMH	289		374		476		561		663		748		934		1121		1308	
		PA	-	-	-	0.43	0.23	0.66	0.38	0.86	0.66	1.09	0.86	1.34	1.17	1.95	1.65	2.79	2.15	5.07
		NC	-	-	-	-	-	15	-	19	19	21	15	16	23	27	24	31	33	37
		Throw(m)	5.8	4.9	6.7	5.5	7.3	5.8	7.9	6.7	8.2	7.6	8.8	7.9	9.4	8.5	10.7	9.1	11.0	9.8
12	Neck Area sq.m 0.073	CMH	408		544		680		816		934		1070		1342		1614		1869	
		PA	-	-	-	0.23	-	0.58	0.81	0.94	0.94	1.17	1.17	1.34	1.19	2.10	1.39	2.36	2.36	0.41
		NC	-	-	-	-	-	-	-	-	-	19	17	21	21	31	30	37	34	41
		Throw(m)	7.3	6.1	7.9	6.7	8.2	7.6	9.1	8.2	9.8	9.1	10.1	9.1	11.9	11.0	12.2	11.6	12.5	11.9
14	Neck Area sq.m 0.099	CMH	561		731		917		1104		1274		1461		1818		2192		2549	
		PA	-	-	-	-	-	0.61	0.71	0.99	0.66	0.96	0.71	1.19	0.96	1.42	1.19	2.38	3.57	5.95
		NC	-	-	-	-	-	-	-	15	15	20	15	28	23	29	28	33	35	40
		Throw(m)	7.9	6.7	8.8	7.6	9.8	9.1	11.0	9.8	11.6	10.7	11.9	11.3	12.5	12.2	15.2	13.4	17.4	14.6
16	Neck Area sq.m 0.130	CMH	714		951		1189		1427		1665		1903		2379		2854		3330	
		PA	-	-	-	-	-	0.76	0.53	0.81	0.79	0.96	0.96	0.94	1.19	0.96	1.42	1.67	1.67	2.03
		NC	-	-	-	-	-	-	-	-	-	15	-	16	22	25	29	32	34	37
		Throw(m)	8.8	7.9	10.1	9.4	11.0	10.7	11.9	11.3	12.5	11.9	13.4	12.5	15.8	14.0	18.0	15.8	20.4	17.7
20	Neck Area sq.m 0.203	CMH	1121		1495		1869		2226		2600		2973		3721		4451		5199	
		PA	-	-	-	-	-	0.76	0.51	0.76	0.76	1.01	1.01	1.27	1.52	1.77	2.53	2.79	3.04	3.55
		NC	-	-	-	-	-	-	-	15	-	15	17	25	26	32	30	35	36	72
		Throw(m)	12.2	11.3	13.7	12.5	14.0	13.7	16.2	14.6	17.4	16.2	19.2	17.1	21.6	19.2	24.4	24.1	26.8	21.9
24	Neck Area sq.m 0.292	CMH	1614		2141		2684		3211		3738		4282		5352		6422		7476	
		PA	-	-	-	-	-	0.76	0.51	0.51	0.76	1.01	1.01	1.27	1.52	1.77	2.28	2.53	3.04	3.29
		NC	-	-	-	-	-	-	-	15	15	22	19	27	24	33	32	37	38	44
		Throw(m)	14.0	13.4	15.8	14.6	17.4	16.2	18.9	17.4	20.4	18.9	22.3	20.4	25.3	23.2	28.3	25.9	31.7	29.0

THE THROW VALUES ARE BASED ON A 0.254 METER PER SECOND TERMINAL VELOCITY.
 DASHED LINE IN PA BOX INDICATES STATIC PRESSURE IS LESS THAN 0.254mmAq.
 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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