Residential MINI Diffuser Performance Data Model: **TX&TX-P**

SIZE	Neck Area	Air Pattern	Face Plate	V.Shutter	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000	1200
					Airflow (CFM)	16	24	31	39	47	55	63	71	78	94
TX 4	0.080sq.ft	Combination Air Pattern	Fully Opened	Fully Opened	SP	0.04	0.07	0.11	0.17	0.25	0.35	0.49	0.63	0.81	1.20
					Radius of Diffusion(Vt=@100fpm)	0.3	0.5	0.8	1.0	1.2	1.5	1.6	1.8	2.0	2.3
					Radius of Diffusion(Vt=@50fpm)	0.7	1.0	1.3	1.6	2.0	2.5	2.6	3.0	3.3	3.9
					Throw (Vt.=@100fpm)	1.2	1.6	2.1	2.6	3.1	3.6	4.3	4.6	4.9	5.9
					Throw (Vt.=@50fpm)	2.0	3.0	3.9	4.6	5.6	6.2	7.5	8.2	8.9	10.5
					NC	-	-	-	-	-	-	16	20	23	29
		Combination Air Pattern	A Half Way Opened	Fully Opened	SP	0.05	0.08	0.15	0.26	0.38	0.55	0.77	0.98	1.22	1.75
					Radius of Diffusion(Vt=@100fpm)	0.3	0.5	0.7	0.8	1.0	1.3	1.5	1.6	1.8	2.1
					Radius of Diffusion(Vt=@50fpm)	0.7	2.0	1.2	1.3	1.6	2.0	2.5	2.6	3.0	3.6
					Throw (Vt.=@100fpm)	1.8	2.6	3.3	4.3	4.9	5.6	6.2	6.9	7.5	9.2
					Throw (Vt.=@50fpm)	3.3	4.6	5.9	7.2	8.5	9.8	11.2	12.1	13.5	16.4
					NC	-	-	-	-	-	16	21	24	28	33
		Radial Air Pattern	Fully Opened	Closed	SP	0.06	0.11	0.19	0.30	0.41	0.56	0.76	0.96	1.18	1.75
					Radius of Diffusion(Vt=@100fpm)	0.5	0.7	1.0	1.3	1.5	1.8	2.1	2.3	2.6	3.3
					Radius of Diffusion(Vt=@50fpm)	1.0	1.2	1.6	2.0	2.5	3.0	3.6	3.9	4.3	5.3
					NC	-	-	-	-	-	-	15	19	22	29
		Vertical Air Pattern	Closed	Fully Opened	SP	0.36	0.85	1.52	2.38	3.44	4.61	6.06	7.56	9.17	13.0
					Throw (Vt.=@100fpm)	5.9	8.2	9.8	11.8	13.8	15.4	17.1	18.4	20.7	23.6
					Throw (Vt.=@50fpm)	10.5	14.4	17.7	21.0	24.3	27.2	30.2	32.8	36.7	42.0
					NC	-	-	20	27	33	36	39	41	44	48

SIZE	Neck Area	Air Pattern	Face Plate	V.Shutter	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000	1200
					Airflow (CFM)	36	54	72	90	108	126	144	162	180	216
TX 6	0.183sq.ft	Combination Air Pattern	Fully Opened	Fully Opened	SP	0.04	0.07	0.12	0.2	0.31	0.43	0.59	0.76	0.96	1.38
					Radius of Diffusion(Vt=@100fpm)	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.3	3.9
					Radius of Diffusion(Vt=@50fpm)	1.1	1.6	2.1	2.6	3.3	3.6	4.3	4.9	5.2	6.2
					Throw (Vt.=@100fpm)	2.6	3.6	4.6	5.9	6.9	7.9	9.2	10.2	11.2	13.1
					Throw (Vt.=@50fpm)	4.6	6.2	8.2	10.5	12.5	14.1	16.4	18.0	20.0	23.6
					NC	-	-	-	-	-	-	19	23	26	32
		Combination Air Pattern	A Half Way Opened	Fully Opened	SP	0.05	0.10	0.18	0.31	0.48	0.69	0.95	1.22	1.52	2.19
					Radius of Diffusion(Vt=@100fpm)	0.5	0.8	1.1	1.5	1.6	2.0	2.3	2.5	2.8	3.3
					Radius of Diffusion(Vt=@50fpm)	1.0	1.3	1.8	2.3	2.6	3.3	3.6	3.9	4.6	5.2
					Throw (Vt.=@100fpm)	3.3	4.9	5.9	7.9	9.2	10.5	12.1	13.4	14.4	17.1
					Throw (Vt.=@50fpm)	5.9	8.5	10.5	13.8	16.4	18.7	21.6	23.6	25.6	30.5
					NC	-	-	-	-	16	21	26	29	32	38
		Radial Air Pattern	Fully Opened	Closed	SP	0.06	0.13	0.24	0.38	0.57	0.81	1.08	1.34	1.63	2.38
					Radius of Diffusion(Vt=@100fpm)	1.0	1.5	2.0	2.5	3.0	3.6	3.9	4.6	4.9	5.9
					Radius of Diffusion(Vt=@50fpm)	1.6	2.5	3.3	3.9	4.9	5.6	6.2	7.2	7.9	9.5
					NC	-	-	-	-	-	-	19	23	27	34
		Vertical Air Pattern	Closed	Fully Opened	SP	0.27	0.67	1.26	1.99	2.89	4.01	5.20	6.57	8.07	11.54
					Throw (Vt.=@100fpm)	8.5	12.0	15.8	19.6	22.9	25.5	28.5	32.8	36.7	42.6
					Throw (Vt.=@50fpm)	15.4	21.0	27.6	35.0	41.0	45.9	51.0	58.0	65.6	75.0
					NC	-	-	19	26	31	34	38	41	43	48

SIZE	Neck Area	Air Pattern	Face Plate	V.Shutter	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000	1200
					Airflow (CFM)	64	97	129	162	194	227	259	291	324	388
TX 8	0.328sq.ft	Combination Air Pattern	Fully Opened	Fully Opened	SP	0.05	0.11	0.2	0.3	0.45	0.63	0.85	1.08	1.34	1.93
					Radius of Diffusion(Vt=@100fpm)	1.2	1.5	1.8	2.1	2.6	3.0	3.3	3.6	3.9	4.6
					Radius of Diffusion(Vt=@50fpm)	2.0	2.5	3.0	3.6	4.3	4.9	5.3	5.9	6.2	7.2
					Throw (Vt.=@100fpm)	3.3	4.6	5.6	6.9	8.2	9.5	10.5	11.8	12.5	14.8
					Throw (Vt.=@50fpm)	5.6	8.2	9.8	12.5	14.8	16.4	18.4	20.7	22.3	26.2
					NC	-	-	-	-	-	16	20	24	27	33
		Combination Air Pattern	A Half Way Opened	Fully Opened	SP	0.07	0.16	0.29	0.47	0.72	1.07	1.36	1.73	2.13	3.11
					Radius of Diffusion(Vt=@100fpm)	0.8	1.2	1.5	1.8	2.1	2.5	2.6	3.0	3.3	3.6
					Radius of Diffusion(Vt=@50fpm)	1.5	2.0	2.5	3.0	3.6	3.9	4.3	4.9	5.3	5.9
					Throw (Vt.=@100fpm)	4.3	6.6	8.2	10.5	12.5	14.4	16.4	18.7	20.7	24.6
					Throw (Vt.=@50fpm)	7.9	11.5	14.8	18.4	22.3	25.6	29.5	32.8	36.7	44.3
					NC	-	-	-	-	19	25	31	36	37	41
		Radial Air Pattern	Fully Opened	Closed	SP	0.09	0.21	0.42	0.67	1	1.36	1.77	2.24	2.81	4.25
					Radius of Diffusion(Vt=@100fpm)	2.0	2.6	3.3	4.3	4.9	5.6	5.9	6.6	7.2	8.5
					Radius of Diffusion(Vt=@50fpm)	3.3	4.3	5.3	6.6	7.5	8.5	9.5	10.2	11.2	13.1
					NC	-	-	-	-	18	23	28	32	36	42
		Vertical Air Pattern	Closed	Fully Opened	SP	0.35	0.86	1.56	2.42	3.54	5.04	6.57	8.07	9.84	14.17
					Throw (Vt.=@100fpm)	15.1	18.7	21.3	24.6	27.6	29.9	34.8	34.8	36.7	41.0
					Throw (Vt.=@50fpm)	26.6	32.8	37.7	44.3	49.2	53.1	57.4	61.7	65.6	72.2
					NC	-	-	21	30	36	35	38	42	44	49

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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