SEIHO Residential Ceiling MINI Diffuser Performance Data (Metric) Model: TX/TX-P

SIZE	Neck Area	Air Pattern	Face Plate	Vertical Shutter	Neck Velocity (m/s)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
					Airflow (cmh)	27	40	53	67	80	93	107	120	133	160
TX 4	0.0074 sq.m	Combination Air Pattern	Fully Opened	Fully Opened	PA	1.0	1.7	2.7	4.3	6.3	9.0	12.5	16.0	20.5	30.5
					Radius of Diffusion(Vt=@0.5m/s)	0.1	0.15	0.25	0.3	0.35	0.45	0.5	0.55	0.6	0.7
					Radius of Diffusion(Vt=@0.25m/s)	0.2	0.3	0.4	0.5	0.6	0.75	0.8	0.9	1.0	1.2
					Throw (Vt.=@0.5m/s)	0.35	0.5	0.65	0.8	0.95	1.1	1.3	1.4	1.5	1.8
					Throw (Vt.=@0.25m/s)	0.6	0.9	1.2	1.4	1.7	1.9	2.3	2.5	2.7	3.2
					NC	-	-	-	-	-	-	15.8	20.1	12.0	29.3
		Combination Air Pattern	A Half Way Opened	Fully Opened	PA	1.2	2.1	3.8	6.5	9.7	14.0	19.5	25.0	31.0	44.5
					Radius of Diffusion(Vt=@0.5m/s)	0.1	0.15	0.2	0.25	0.3	0.4	0.45	0.5	0.55	0.65
					Radius of Diffusion(Vt=@0.25m/s)	0.2	0.3	0.35	0.4	0.5	0.6	0.75	0.8	0.9	1.1
					Throw (Vt.=@0.5m/s)	0.55	0.8	1.0	1.3	1.5	1.7	1.9	2.1	2.3	2..8
					Throw (Vt.=@0.25m/s)	1.0	1.4	1.8	2.2	2.6	3.0	3.4	3.7	4.1	5.0
					NC	-	-	-	-	-	16.3	21.0	23.9	27.8	32.8
		Radial Air Pattern	Fully Opened	Closed	PA	1.4	2.7	4.7	7.5	10.5	14.2	19.3	24.5	30.0	44.5
					Radius of Diffusion(Vt=@0.5m/s)	0.15	0.2	0.3	0.4	0.45	0.55	0.65	0.7	0.8	1.0
					Radius of Diffusion(Vt=@0.25m/s)	0.3	0.35	0.5	0.6	0.75	0.9	1.1	1.2	1.3	1.6
					NC	-	-	-	-	-	-	15.0	19.0	21.7	28.5
		Vertical Air Pattern	Closed	Fully Opened	PA	9.2	21.5	38.5	60.5	87.5	117.0	154.0	192.0	233.0	330.0
					Throw (Vt.=@0.5m/s)	1.8	2.5	3.0	3.6	4.2	4.7	5.2	5.6	6.3	7.2
					Throw (Vt.=@0.25m/s)	3.2	4.4	5.4	6.4	7.4	8.3	9.2	10.0	11.2	12.8
					NC	-	-	19.5	27.4	33.0	36.1	38.5	41.2	43.7	48.3

SIZE	Neck Area	Air Pattern	Face Plate	Vertical Shutter	Neck Velocity (m/s)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
					Airflow (cmh)	61	92	122	153	184	214	245	275	306	367
TX 6	0.0170 sq.m	Combination Air Pattern	Fully Opened	Fully Opened	PA	1.0	1.7	3.0	5.0	7.8	11.0	15.0	19.2	24.5	35.0
					Radius of Diffusion(Vt=@0.5m/s)	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2
					Radius of Diffusion(Vt=@0.25m/s)	0.35	0.5	0.65	0.8	1.0	1.1	1.3	1.5	1.6	1.9
					Throw (Vt.=@0.5m/s)	0.8	1.1	1.4	1.8	2.1	2.4	2.8	3.1	3.4	4.0
					Throw (Vt.=@0.25m/s)	1.4	1.9	2.5	3.2	3.8	4.3	5.0	5.5	6.1	7.2
					NC	-	-	-	-	-	-	19.3	23.0	26.3	32.3
		Combination Air Pattern	A Half Way Opened	Fully Opened	PA	1.3	2.5	4.5	7.8	12.3	17.5	24.2	31.0	38.5	55.5
					Radius of Diffusion(Vt=@0.5m/s)	0.15	0.25	0.35	0.45	0.5	0.6	0.7	0.75	0.85	1.0
					Radius of Diffusion(Vt=@0.25m/s)	0.3	0.4	0.55	0.7	0.8	1.0	1.1	1.2	1.4	1.6
					Throw (Vt.=@0.5m/s)	1.0	1.5	1.8	2.4	2.8	3.2	3.7	4.1	4.4	5.2
					Throw (Vt.=@0.25m/s)	1.8	2.6	3.2	4.2	5.0	5.7	6.6	7.2	7.8	9.3
					NC	-	-	-	-	16.0	20.5	25.6	28.9	31.6	37.6
		Radial Air Pattern	Fully Opened	Closed	PA	1.5	3.2	6.0	9.7	14.5	20.5	27.5	34.0	41.5	60.5
					Radius of Diffusion(Vt=@0.5m/s)	0.3	0.45	0.6	0.75	0.9	1.1	1.2	1.4	1.5	1.8
					Radius of Diffusion(Vt=@0.25m/s)	0.5	0.75	1.0	1.2	1.5	1.7	1.9	2.2	2.4	2.9
					NC	-	-	-	-	-	-	19.0	23.1	26.6	33.9
		Vertical Air Pattern	Closed	Fully Opened	PA	6.9	17.0	32.0	50.5	73.5	102.0	132.0	167.0	205.0	293.0
					Throw (Vt.=@0.5m/s)	2.6	3.7	4.8	6.0	7.0	7.8	8.7	10.0	11.2	13.0
					Throw (Vt.=@0.25m/s)	4.7	6.5	8.5	10.7	12.5	14.0	15.6	17.8	20.0	23.0
					NC	-	-	19.4	25.5	30.6	34.1	37.5	4,.6	43.3	47.5

SIZE	Neck Area	Air Pattern	Face Plate	Vertical Shutter	Neck Velocity (m/s)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
					Airflow (cmh)	110	165	220	275	330	385	440	495	550	660
TX 8	0.0305 sq.m	Combination Air Pattern	Fully Opened	Fully Opened	PA	1.0	2.3	4.7	7.8	11.5	16.3	22.0	28.0	35.0	50.0
					Radius of Diffusion(Vt=@0.5m/s)	0.35	0.45	0.55	0.65	0.8	0.9	1.0	1.1	1.2	1.4
					Radius of Diffusion(Vt=@0.25m/s)	0.6	0.75	0.9	1.1	1.3	1.5	1.6	1.8	1.9	2.2
					Throw (Vt.=@0.5m/s)	1.0	1.4	1.7	2.1	2.5	2.9	3.2	3.6	3.8	4.5
					Throw (Vt.=@0.25m/s)	1.7	2.5	3.0	3.8	4.5	5.0	5.6	6.3	6.8	8.0
					NC	-	-	-	-	-	16.8	21.6	25.0	28.4	34.0
		Combination Air Pattern	A Half Way Opened	Fully Opened	PA	1.8	4.0	7.7	12.7	19.2	27.5	36.0	45.5	56.5	82.5
					Radius of Diffusion(Vt=@0.5m/s)	0.25	0.35	0.45	0.55	0.65	0.75	0.8	0.9	1.0	1.1
					Radius of Diffusion(Vt=@0.25m/s)	0.45	0.6	0.75	0.9	1.1	1.2	1.3	1.5	1.6	1.8
					Throw (Vt.=@0.5m/s)	1.3	2.0	2.5	3.2	3.8	4.4	5.0	5.7	6.3	7.5
					Throw (Vt.=@0.25m/s)	2.4	3.5	4.5	5.6	6.8	7.8	9.0	10.0	11.2	13.5
					NC	-	-	-	17.9	24.1	30.9	35.9	39.3	41.3	46.0
		Radial Air Pattern	Fully Opened	Closed	PA	2.3	5.5	10.7	17.5	26.0	35.5	46.5	59.0	73.5	108.0
					Radius of Diffusion(Vt=@0.5m/s)	0.6	0.8	1.0	1.3	1.5	1.7	1.8	2.0	2.2	2.6
					Radius of Diffusion(Vt=@0.25m/s)	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.1	3.4	4.0
					NC	-	-	-	-	19.6	24.6	29.8	33.6	36.9	44.3
		Vertical Air Pattern	Closed	Fully Opened	PA	9.0	21.8	39.5	61.5	89.0	125.0	160.0	200.0	250.0	360.0
					Throw (Vt.=@0.5m/s)	4.6	5.7	6.5	7.5	8.4	9.1	9.8	10.6	11.2	12.5
					Throw (Vt.=@0.25m/s)	8.1	10.0	11.5	13.5	15.0	16.2	17.5	18.8	20.0	22.0
					NC	-	-	19.4	27.5	36.6	38.5	38.8	42.2	46.7	53.8

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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