

6600, 56600 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6600, 56600, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck L/s	Air Flow	Ps	Pt	4-Way Throw	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m							
6"	300	59	0.010	0.016	1 - 2 - 3	-	1.52	28	2.6	4.0	0.2 - 0.5 - 1.1	-	-	-	-	-	-	
	400	78	0.018	0.028	1 - 2 - 5	-	2.03	37	4.6	7.0	0.4 - 0.7 - 1.4	10	14	16	13	8	-	
	500	98	0.029	0.044	2 - 3 - 6	-	2.54	46	7.1	11.0	0.6 - 0.9 - 1.8	17	21	23	20	15	10	
	600	118	0.041	0.064	2 - 3 - 7	16	3.05	56	10.3	15.8	0.7 - 1.1 - 2.1	23	27	29	26	21	16	
	700	137	0.056	0.087	3 - 4 - 8	21	3.56	65	14.0	21.6	0.8 - 1.2 - 2.5	28	32	34	31	26	21	
	800	157	0.073	0.113	3 - 5 - 9	25	4.06	74	18.2	28.2	0.9 - 1.4 - 2.8	32	36	38	35	30	25	
	900	177	0.093	0.143	3 - 5 - 10	29	4.57	83	23.1	35.7	1.1 - 1.6 - 3.1	36	40	42	39	34	29	
	1000	196	0.114	0.177	4 - 6 - 11	32	5.08	93	28.5	44.0	1.2 - 1.8 - 3.3	39	43	45	42	37	32	
	1100	216	0.139	0.214	4 - 6 - 11	35	5.59	102	34.5	53.3	1.3 - 1.9 - 3.5	42	46	48	45	40	35	
8"	300	105	0.012	0.018	1 - 2 - 5	-	1.52	49	3.0	4.4	0.3 - 0.6 - 1.4	-	-	-	-	-	-	
	400	140	0.022	0.032	2 - 3 - 6	-	2.03	66	5.4	7.8	0.5 - 0.9 - 1.9	16	20	22	19	14	-	
	500	174	0.034	0.049	3 - 4 - 8	16	2.54	82	8.4	12.3	0.8 - 1.2 - 2.3	23	27	29	26	21	16	
	600	209	0.048	0.071	3 - 5 - 9	22	3.05	99	12.1	17.7	0.9 - 1.4 - 2.8	29	33	35	32	27	22	
	700	244	0.066	0.097	4 - 5 - 11	27	3.56	115	16.4	24.0	1.1 - 1.6 - 3.3	34	38	40	37	32	27	
	800	279	0.086	0.126	4 - 6 - 12	31	4.06	132	21.5	31.4	1.2 - 1.9 - 3.7	38	42	44	41	36	31	
	900	314	0.109	0.160	5 - 7 - 14	35	4.57	148	27.2	39.7	1.4 - 2.1 - 4.2	42	46	48	45	40	35	
	1000	349	0.135	0.197	5 - 8 - 15	38	5.08	165	33.5	49.0	1.6 - 2.3 - 4.4	45	49	51	48	43	38	
	1100	384	0.163	0.238	6 - 8 - 15	41	5.59	181	40.6	59.3	1.7 - 2.6 - 4.6	48	52	54	51	46	41	
10"	200	109	0.006	0.009	1 - 1 - 4	-	1.02	51	1.6	2.2	0.2 - 0.4 - 1.2	-	-	-	-	-	-	
	300	164	0.014	0.020	1 - 3 - 6	-	1.52	77	3.6	5.0	0.4 - 0.8 - 1.8	12	16	18	15	10	-	
	400	218	0.026	0.036	2 - 4 - 8	14	2.03	103	6.4	8.9	0.6 - 1.2 - 2.3	21	25	27	24	19	14	
	500	273	0.040	0.056	3 - 5 - 10	21	2.54	129	10.0	13.9	1.0 - 1.5 - 2.9	28	32	34	31	26	21	
	600	327	0.058	0.080	4 - 6 - 12	27	3.05	154	14.4	20.0	1.2 - 1.8 - 3.5	34	38	40	37	32	27	
	700	382	0.079	0.109	4 - 7 - 13	32	3.56	180	19.6	27.2	1.4 - 2.0 - 4.1	39	43	45	42	37	32	
	800	436	0.103	0.143	5 - 8 - 15	36	4.06	206	25.6	35.5	1.6 - 2.3 - 4.7	43	47	49	46	41	36	
	900	491	0.130	0.181	6 - 9 - 17	40	4.57	231	32.4	45.0	1.8 - 2.6 - 5.2	47	51	53	50	45	40	
	950	518	0.145	0.201	6 - 9 - 18	41	4.83	244	36.1	50.1	1.8 - 2.8 - 5.4	48	52	54	51	46	41	
12"	100	78	0.002	0.002	0 - 0 - 1	-	0.51	37	0.4	0.6	0.0 - 0.1 - 0.4	-	-	-	-	-	-	
	200	157	0.007	0.009	1 - 1 - 5	-	1.02	74	1.7	2.4	0.2 - 0.4 - 1.4	-	-	-	-	-	-	
	300	235	0.016	0.021	1 - 3 - 7	-	1.52	111	3.9	5.3	0.4 - 1.0 - 2.1	15	19	21	18	13	-	
	400	314	0.028	0.038	3 - 5 - 9	18	2.03	148	6.9	9.4	0.8 - 1.4 - 2.8	25	29	31	28	23	18	
	450	353	0.035	0.048	3 - 5 - 10	21	2.29	167	8.8	11.9	1.0 - 1.6 - 3.2	28	32	34	31	26	21	
	500	392	0.044	0.059	4 - 6 - 12	25	2.54	185	10.8	14.7	1.2 - 1.8 - 3.5	32	36	38	35	30	25	
	600	471	0.063	0.085	5 - 7 - 14	30	3.05	222	15.6	21.2	1.4 - 2.1 - 4.2	37	41	43	40	35	30	
	700	549	0.085	0.116	5 - 8 - 16	35	3.56	259	21.2	28.8	1.6 - 2.5 - 4.9	42	46	48	45	40	35	
	800	628	0.111	0.151	6 - 9 - 18	40	4.06	296	27.7	37.7	1.9 - 2.8 - 5.6	47	51	53	50	45	40	
14"	100	107	0.003	0.003	0 - 0 - 2	-	0.51	50	0.6	0.8	0.1 - 0.1 - 0.5	-	-	-	-	-	-	
	200	214	0.010	0.013	1 - 2 - 5	-	1.02	101	2.6	3.2	0.2 - 0.5 - 1.6	-	-	-	-	-	-	
	300	320	0.023	0.029	2 - 4 - 8	12	1.52	151	5.8	7.2	0.5 - 1.1 - 2.5	19	23	25	22	17	12	
	400	427	0.042	0.051	3 - 5 - 11	21	2.03	202	10.3	12.8	0.9 - 1.6 - 3.3	28	32	34	31	26	21	
	450	481	0.053	0.065	4 - 6 - 12	24	2.29	227	13.1	16.2	1.1 - 1.8 - 3.7	31	35	37	34	29	24	
	500	534	0.065	0.080	4 - 7 - 13	28	2.54	252	16.1	20.0	1.4 - 2.0 - 4.1	35	39	41	38	33	28	
	600	641	0.093	0.116	5 - 8 - 16	34	3.05	302	23.2	28.8	1.6 - 2.5 - 4.9	41	45	47	44	39	34	
	700	748	0.127	0.158	6 - 9 - 19	38	3.56	353	31.6	39.2	1.9 - 2.9 - 5.7	45	49	51	48	43	38	
	800	855	0.166	0.206	7 - 11 - 21	43	4.06	403	41.3	51.3	2.2 - 3.3 - 6.5	50	54	56	53	48	43	
16"	100	140	0.004	0.004	0 - 0 - 2	-	0.51	66	0.9	1.0	0.1 - 0.1 - 0.6	-	-	-	-	-	-	
	200	279	0.014	0.017	1 - 2 - 6	-	1.02	132	3.6	4.2	0.3 - 0.6 - 1.9	8	12	14	11	6	-	
	300	419	0.032	0.038	2 - 4 - 9	14	1.52	198	8.0	9.4	0.6 - 1.3 - 2.8	21	25	27	24	19	14	
	400	558	0.057	0.067	3 - 6 - 12	23	2.03	263	14.3	16.7	1.0 - 1.9 - 3.7	30	34	36	33	28	23	
	450	628	0.072	0.085	4 - 7 - 14	27	2.29	296	18.0	21.2	1.3 - 2.1 - 4.2	34	38	40	37	32	27	
	500	698	0.089	0.105	5 - 8 - 15	31	2.54	329	22.3	26.2	1.6 - 2.3 - 4.7	38	42	44	41	36	31	
	550	767	0.108	0.127	6 - 8 - 17	34	2.79	362	26.9	31.6	1.7 - 2.6 - 5.1	41	45	47	44	39	34	
	600	837	0.129	0.151	6 - 9 - 18	36	3.05	395	32.1	37.7	1.9 - 2.8 - 5.6	43	47	49	46	41	36	
	700	977	0.175	0.206	7 - 11 - 21	41	3.56	461	43.7	51.3	2.2 - 3.3 - 6.5	48	52	54	51	46	41	

PERFORATED FACE DIFFUSERS

6600 - 56600

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6600, 56600 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6600, 56600, 24"x24" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6"	300	59	1 - 2 - 7	1 - 2 - 5	1 - 2 - 5	1.52	28	0.3 - 0.6 - 2.2	0.3 - 0.6 - 1.6	0.3 - 0.7 - 1.4
	400	78	2 - 4 - 10	2 - 4 - 7	2 - 3 - 6	2.03	37	0.5 - 1.1 - 3.0	0.5 - 1.1 - 2.2	0.6 - 0.9 - 1.8
	500	98	2 - 6 - 12	2 - 4 - 9	3 - 4 - 8	2.54	46	0.7 - 1.7 - 3.7	0.7 - 1.3 - 2.7	0.8 - 1.1 - 2.3
	600	118	4 - 7 - 15	4 - 5 - 11	3 - 5 - 9	3.05	56	1.1 - 2.2 - 4.4	1.1 - 1.6 - 3.2	0.9 - 1.4 - 2.7
	700	137	5 - 9 - 17	4 - 6 - 12	4 - 5 - 11	3.56	65	1.5 - 2.6 - 5.0	1.3 - 1.9 - 3.8	1.1 - 1.6 - 3.2
	800	157	6 - 10 - 18	5 - 7 - 14	4 - 6 - 12	4.06	74	1.9 - 3.0 - 5.4	1.4 - 2.2 - 4.3	1.2 - 1.8 - 3.7
	900	177	7 - 11 - 19	5 - 8 - 16	5 - 7 - 13	4.57	83	2.2 - 3.3 - 5.7	1.6 - 2.4 - 4.8	1.4 - 2.1 - 4.0
	1000	196	8 - 12 - 20	6 - 9 - 17	5 - 8 - 14	5.08	93	2.5 - 3.7 - 6.0	1.8 - 2.7 - 5.1	1.5 - 2.3 - 4.2
	1100	216	9 - 13 - 21	6 - 10 - 18	6 - 8 - 15	5.59	102	2.7 - 4.1 - 6.3	2.0 - 3.0 - 5.4	1.7 - 2.5 - 4.4
8"	300	105	1 - 3 - 10	1 - 3 - 7	1 - 3 - 6	1.52	49	0.4 - 0.8 - 3.0	0.4 - 0.8 - 2.2	0.4 - 0.9 - 1.8
	400	140	2 - 5 - 13	2 - 5 - 9	3 - 4 - 8	2.03	66	0.6 - 1.4 - 3.9	0.6 - 1.4 - 2.9	0.8 - 1.2 - 2.4
	500	174	3 - 7 - 16	3 - 6 - 12	3 - 5 - 10	2.54	82	1.0 - 2.2 - 4.9	1.0 - 1.8 - 3.6	1.0 - 1.5 - 3.1
	600	209	5 - 10 - 19	5 - 7 - 14	4 - 6 - 12	3.05	99	1.4 - 3.0 - 5.9	1.4 - 2.2 - 4.3	1.2 - 1.8 - 3.7
	700	244	6 - 11 - 22	6 - 8 - 17	5 - 7 - 14	3.56	115	2.0 - 3.5 - 6.7	1.7 - 2.5 - 5.0	1.4 - 2.1 - 4.3
	800	279	8 - 13 - 24	6 - 9 - 19	5 - 8 - 16	4.06	132	2.6 - 3.9 - 7.2	1.9 - 2.9 - 5.7	1.6 - 2.4 - 4.9
	900	314	10 - 15 - 25	7 - 11 - 21	6 - 9 - 18	4.57	148	3.0 - 4.4 - 7.6	2.2 - 3.2 - 6.5	1.8 - 2.7 - 5.3
	1000	349	11 - 16 - 26	8 - 12 - 22	7 - 10 - 18	5.08	165	3.3 - 4.9 - 8.0	2.4 - 3.6 - 6.8	2.0 - 3.1 - 5.6
1100	384	12 - 18 - 28	9 - 13 - 24	7 - 11 - 19	5.59	181	3.6 - 5.4 - 8.4	2.6 - 3.9 - 7.2	2.2 - 3.4 - 5.9	
10"	200	109	1 - 1 - 6	1 - 1 - 6	1 - 2 - 5	1.02	51	0.2 - 0.4 - 1.8	0.2 - 0.4 - 1.8	0.2 - 0.5 - 1.5
	300	164	1 - 3 - 12	1 - 3 - 9	2 - 4 - 8	1.52	77	0.4 - 1.0 - 3.7	0.4 - 1.0 - 2.7	0.5 - 1.1 - 2.3
	400	218	3 - 6 - 16	3 - 6 - 12	3 - 5 - 10	2.03	103	0.8 - 1.8 - 4.9	0.8 - 1.8 - 3.6	1.0 - 1.5 - 3.1
	500	273	4 - 9 - 20	4 - 7 - 15	4 - 6 - 13	2.54	129	1.2 - 2.8 - 6.2	1.2 - 2.2 - 4.5	1.3 - 1.9 - 3.8
	600	327	6 - 12 - 24	6 - 9 - 18	5 - 8 - 15	3.05	154	1.8 - 3.7 - 7.4	1.8 - 2.7 - 5.4	1.5 - 2.3 - 4.6
	700	382	8 - 14 - 28	7 - 10 - 21	6 - 9 - 18	3.56	180	2.4 - 4.3 - 8.4	2.1 - 3.1 - 6.3	1.8 - 2.7 - 5.3
	800	436	10 - 16 - 30	8 - 12 - 24	7 - 10 - 20	4.06	206	3.2 - 4.9 - 9.0	2.4 - 3.6 - 7.2	2.0 - 3.1 - 6.1
	900	491	12 - 18 - 31	9 - 13 - 27	8 - 11 - 22	4.57	231	3.7 - 5.6 - 9.5	2.7 - 4.0 - 8.1	2.3 - 3.4 - 6.7
	950	518	13 - 19 - 32	9 - 14 - 27	8 - 12 - 23	4.83	244	3.9 - 5.9 - 9.8	2.8 - 4.3 - 8.3	2.4 - 3.6 - 6.8
12"	100	78	0 - 0 - 2	0 - 0 - 2	0 - 1 - 2	0.51	37	0.1 - 0.1 - 0.5	0.1 - 0.1 - 0.5	0.1 - 0.2 - 0.6
	200	157	1 - 2 - 7	1 - 2 - 7	1 - 2 - 6	1.02	74	0.2 - 0.5 - 2.2	0.2 - 0.5 - 2.2	0.3 - 0.6 - 1.8
	300	235	2 - 4 - 15	2 - 4 - 11	2 - 5 - 9	1.52	111	0.5 - 1.2 - 4.4	0.5 - 1.2 - 3.2	0.6 - 1.4 - 2.7
	400	314	3 - 7 - 19	3 - 7 - 14	4 - 6 - 12	2.03	148	1.0 - 2.2 - 5.9	1.0 - 2.2 - 4.3	1.1 - 1.8 - 3.7
	450	353	4 - 9 - 22	4 - 8 - 16	5 - 7 - 14	2.29	167	1.2 - 2.7 - 6.7	1.2 - 2.4 - 4.8	1.4 - 2.1 - 4.1
	500	392	5 - 11 - 24	5 - 9 - 18	5 - 8 - 15	2.54	185	1.5 - 3.4 - 7.4	1.5 - 2.7 - 5.4	1.5 - 2.3 - 4.6
	600	471	7 - 15 - 29	7 - 11 - 21	6 - 9 - 18	3.05	222	2.2 - 4.4 - 8.9	2.2 - 3.2 - 6.5	1.8 - 2.7 - 5.5
	700	549	10 - 17 - 33	8 - 12 - 25	7 - 11 - 21	3.56	259	2.9 - 5.2 - 10.1	2.5 - 3.8 - 7.5	2.1 - 3.2 - 6.4
	800	628	13 - 19 - 35	9 - 14 - 28	8 - 12 - 24	4.06	296	3.8 - 5.9 - 10.8	2.9 - 4.3 - 8.6	2.4 - 3.7 - 7.3
14"	100	107	0 - 1 - 2	0 - 1 - 2	0 - 1 - 2	0.51	50	0.1 - 0.2 - 0.6	0.1 - 0.2 - 0.6	0.1 - 0.2 - 0.8
	200	214	1 - 2 - 8	1 - 2 - 8	1 - 2 - 7	1.02	101	0.3 - 0.6 - 2.5	0.3 - 0.6 - 2.5	0.3 - 0.8 - 2.1
	300	320	2 - 5 - 17	2 - 5 - 12	2 - 5 - 11	1.52	151	0.6 - 1.4 - 5.2	0.6 - 1.4 - 3.8	0.8 - 1.6 - 3.2
	400	427	4 - 8 - 23	4 - 8 - 17	4 - 7 - 14	2.03	202	1.1 - 2.5 - 6.9	1.1 - 2.5 - 5.0	1.3 - 2.1 - 4.3
	450	481	5 - 10 - 26	5 - 9 - 19	5 - 8 - 16	2.29	227	1.4 - 3.2 - 7.8	1.4 - 2.8 - 5.7	1.6 - 2.4 - 4.8
	500	534	6 - 13 - 28	6 - 10 - 21	6 - 9 - 18	2.54	252	1.7 - 3.9 - 8.6	1.7 - 3.1 - 6.3	1.8 - 2.7 - 5.3
	600	641	8 - 17 - 34	8 - 12 - 25	7 - 11 - 21	3.05	302	2.5 - 5.2 - 10.4	2.5 - 3.8 - 7.5	2.1 - 3.2 - 6.4
	700	748	11 - 20 - 39	10 - 14 - 29	8 - 12 - 25	3.56	353	3.4 - 6.0 - 11.8	2.9 - 4.4 - 8.8	2.5 - 3.7 - 7.5
	800	855	15 - 23 - 41	11 - 17 - 33	9 - 14 - 28	4.06	403	4.5 - 6.9 - 12.6	3.4 - 5.0 - 10.1	2.8 - 4.3 - 8.5
16"	100	140	0 - 1 - 2	0 - 1 - 2	0 - 1 - 3	0.51	66	0.1 - 0.2 - 0.7	0.1 - 0.2 - 0.7	0.1 - 0.2 - 0.9
	200	279	1 - 2 - 9	1 - 2 - 9	1 - 3 - 8	1.02	132	0.3 - 0.7 - 2.9	0.3 - 0.7 - 2.9	0.4 - 0.9 - 2.4
	300	419	2 - 5 - 19	2 - 5 - 14	3 - 6 - 12	1.52	198	0.7 - 1.6 - 5.9	0.7 - 1.6 - 4.3	0.9 - 1.8 - 3.7
	400	558	4 - 9 - 26	4 - 9 - 19	5 - 8 - 16	2.03	263	1.3 - 2.9 - 7.9	1.3 - 2.9 - 5.7	1.5 - 2.4 - 4.9
	450	628	5 - 12 - 29	5 - 11 - 21	6 - 9 - 18	2.29	296	1.6 - 3.6 - 8.9	1.6 - 3.2 - 6.5	1.8 - 2.7 - 5.5
	500	698	7 - 15 - 32	7 - 12 - 24	7 - 10 - 20	2.54	329	2.0 - 4.5 - 9.9	2.0 - 3.6 - 7.2	2.0 - 3.1 - 6.1
	550	767	8 - 18 - 36	8 - 13 - 26	7 - 11 - 22	2.79	362	2.4 - 5.4 - 10.9	2.4 - 3.9 - 7.9	2.2 - 3.4 - 6.7
	600	837	9 - 19 - 39	9 - 14 - 28	8 - 12 - 24	3.05	395	2.9 - 5.9 - 11.8	2.9 - 4.3 - 8.6	2.4 - 3.7 - 7.3
700	977	13 - 23 - 44	11 - 17 - 33	9 - 14 - 28	3.56	461	3.9 - 6.9 - 13.4	3.4 - 5.0 - 10.1	2.8 - 4.3 - 8.5	

NOTE: See page C1-86 for notes.

PERFORATED FACE DIFFUSERS

6600 - 56600

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