

6300 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6300, 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 Vel	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	0.000	0.006	0 - 0 - 1	-	1.52	28	0.1	1.5	0.0 - 0.1 - 0.3	16	-	15	-	-	-	
	400	78	0.001	0.011	0 - 0 - 2	-	2.03	37	0.2	2.7	0.1 - 0.1 - 0.5	21	14	20	-	-	-	
	500	98	0.001	0.017	0 - 1 - 3	-	2.54	46	0.3	4.2	0.1 - 0.2 - 0.8	25	18	24	-	-	-	
	600	118	0.002	0.024	0 - 1 - 4	-	3.05	56	0.4	6.0	0.1 - 0.3 - 1.1	29	21	28	14	-	-	
	700	137	0.002	0.033	1 - 1 - 4	11	3.56	65	0.5	8.1	0.2 - 0.4 - 1.3	31	24	31	19	-	-	
	800	157	0.003	0.043	1 - 2 - 5	15	4.06	74	0.7	10.6	0.2 - 0.5 - 1.5	34	26	33	23	-	-	
	900	177	0.004	0.054	1 - 2 - 5	18	4.57	83	0.9	13.4	0.3 - 0.7 - 1.7	36	29	35	27	12	-	
	1000	196	0.004	0.067	1 - 3 - 6	21	5.08	93	1.1	16.6	0.4 - 0.8 - 1.9	38	31	37	31	16	-	
	1100	216	0.005	0.081	1 - 3 - 7	24	5.59	102	1.3	20.1	0.4 - 1.0 - 2.0	40	32	39	34	20	12	
8"	300	105	0.000	0.006	0 - 0 - 1	-	1.52	49	0.1	1.5	0.0 - 0.1 - 0.4	19	12	19	-	-	-	
	400	140	0.001	0.011	0 - 1 - 2	-	2.03	66	0.2	2.7	0.1 - 0.2 - 0.7	25	17	24	-	-	-	
	500	174	0.001	0.017	0 - 1 - 4	-	2.54	82	0.3	4.2	0.1 - 0.3 - 1.1	29	21	28	14	-	-	
	600	209	0.002	0.024	1 - 1 - 5	13	3.05	99	0.4	6.0	0.2 - 0.4 - 1.5	32	25	31	20	-	-	
	700	244	0.002	0.033	1 - 2 - 6	17	3.56	115	0.5	8.1	0.2 - 0.5 - 1.7	35	27	34	26	-	-	
	800	279	0.003	0.043	1 - 2 - 7	21	4.06	132	0.7	10.6	0.3 - 0.7 - 2.0	37	30	37	30	15	-	
	900	314	0.004	0.054	1 - 3 - 7	24	4.57	148	0.9	13.4	0.4 - 0.9 - 2.2	40	32	39	34	20	12	
	1000	349	0.004	0.067	2 - 4 - 8	27	5.08	165	1.1	16.6	0.5 - 1.1 - 2.5	41	34	41	37	25	16	
	1100	384	0.005	0.081	2 - 4 - 9	30	5.59	181	1.3	20.1	0.6 - 1.3 - 2.7	43	36	43	41	29	20	
10"	300	164	0.000	0.006	0 - 0 - 2	-	1.52	77	0.1	1.5	0.1 - 0.1 - 0.5	22	15	21	-	-	-	
	400	218	0.001	0.011	0 - 1 - 3	-	2.03	103	0.2	2.7	0.1 - 0.2 - 0.9	27	20	27	12	-	-	
	500	273	0.001	0.017	0 - 1 - 4	12	2.54	129	0.3	4.2	0.1 - 0.3 - 1.3	32	24	31	19	-	-	
	600	327	0.002	0.024	1 - 2 - 6	17	3.05	154	0.4	6.0	0.2 - 0.5 - 1.9	35	27	34	26	-	-	
	700	382	0.002	0.033	1 - 2 - 7	22	3.56	180	0.5	8.1	0.3 - 0.7 - 2.2	38	30	37	31	16	-	
	800	436	0.003	0.043	1 - 3 - 8	25	4.06	206	0.7	10.6	0.4 - 0.9 - 2.5	40	32	40	35	22	13	
	900	491	0.004	0.054	2 - 4 - 9	29	4.57	231	0.9	13.4	0.5 - 1.1 - 2.8	42	35	42	39	27	18	
	1000	545	0.004	0.067	2 - 4 - 10	31	5.08	257	1.1	16.6	0.6 - 1.3 - 3.1	44	36	44	43	31	22	
	1100	600	0.005	0.081	2 - 5 - 11	34	5.59	283	1.3	20.1	0.7 - 1.6 - 3.4	46	38	45	46	36	26	
12"	300	235	0.000	0.006	0 - 0 - 2	-	1.52	111	0.1	1.5	0.1 - 0.1 - 0.6	24	17	24	-	-	-	
	400	314	0.001	0.011	0 - 1 - 3	-	2.03	148	0.2	2.7	0.1 - 0.3 - 1.0	30	22	29	16	-	-	
	500	392	0.001	0.017	1 - 1 - 5	16	2.54	185	0.3	4.2	0.2 - 0.4 - 1.6	34	26	33	24	-	-	
	600	471	0.002	0.024	1 - 2 - 7	21	3.05	222	0.4	6.0	0.3 - 0.6 - 2.2	37	29	37	30	15	-	
	700	549	0.002	0.033	1 - 3 - 9	25	3.56	259	0.5	8.1	0.4 - 0.8 - 2.6	40	32	39	35	22	13	
	800	628	0.003	0.043	2 - 3 - 10	29	4.06	296	0.7	10.6	0.5 - 1.0 - 3.0	42	35	42	39	27	18	
	900	706	0.004	0.054	2 - 4 - 11	32	4.57	333	0.9	13.4	0.6 - 1.3 - 3.3	45	37	44	43	32	22	
	1000	785	0.004	0.067	2 - 5 - 12	35	5.08	370	1.1	16.6	0.7 - 1.6 - 3.7	47	39	46	47	37	27	
	1100	863	0.005	0.081	3 - 6 - 13	38	5.59	407	1.3	20.1	0.9 - 2.0 - 4.1	48	40	48	50	41	30	
14"	300	320	0.000	0.006	0 - 1 - 3	-	1.52	151	0.1	1.5	0.1 - 0.2 - 1.0	26	19	26	-	-	-	
	400	427	0.001	0.011	1 - 1 - 6	13	2.03	202	0.2	2.7	0.2 - 0.4 - 1.7	32	24	31	20	-	-	
	500	534	0.001	0.017	1 - 2 - 8	19	2.54	252	0.3	4.2	0.3 - 0.7 - 2.4	36	28	35	27	12	-	
	600	641	0.002	0.024	1 - 3 - 10	24	3.05	302	0.4	6.0	0.4 - 1.0 - 2.9	39	31	39	33	20	11	
	700	748	0.002	0.033	2 - 4 - 11	28	3.56	353	0.5	8.1	0.6 - 1.3 - 3.4	42	34	41	38	26	17	
	800	855	0.003	0.043	3 - 6 - 13	32	4.06	403	0.7	10.6	0.8 - 1.7 - 3.9	44	36	44	43	32	22	
	900	961	0.004	0.054	3 - 7 - 14	35	4.57	454	0.9	13.4	1.0 - 2.2 - 4.4	47	38	46	47	37	27	
	1000	1068	0.004	0.067	4 - 8 - 16	38	5.08	504	1.1	16.6	1.2 - 2.4 - 4.9	48	40	48	50	41	31	
	1100	1175	0.005	0.081	5 - 9 - 18	41	5.59	555	1.3	20.1	1.5 - 2.7 - 5.4	50	42	50	53	46	34	
16"	300	419	0.000	0.006	0 - 1 - 4	-	1.52	198	0.1	1.5	0.1 - 0.3 - 1.1	28	20	28	13	-	-	
	400	558	0.001	0.011	1 - 2 - 7	16	2.03	263	0.2	2.7	0.2 - 0.5 - 2.0	33	25	33	23	-	-	
	500	698	0.001	0.017	1 - 3 - 9	22	2.54	329	0.3	4.2	0.3 - 0.8 - 2.8	37	29	37	30	16	-	
	600	837	0.002	0.024	2 - 4 - 11	27	3.05	395	0.4	6.0	0.5 - 1.1 - 3.4	41	33	40	36	24	14	
	700	977	0.002	0.033	2 - 5 - 13	31	3.56	461	0.5	8.1	0.7 - 1.5 - 3.9	44	35	43	41	30	20	
	800	1116	0.003	0.043	3 - 7 - 15	35	4.06	527	0.7	10.6	0.9 - 2.0 - 4.5	46	38	46	46	36	25	
	900	1256	0.004	0.054	4 - 8 - 17	38	4.57	593	0.9	13.4	1.1 - 2.5 - 5.0	48	40	48	50	41	30	
	1000	1395	0.004	0.067	5 - 9 - 18	41	5.08	658	1.1	16.6	1.4 - 2.8 - 5.6	50	42	50	53	45	34	
	1100	1535	0.005	0.081	5 - 10 - 20	43	5.59	724	1.3	20.1	1.7 - 3.1 - 6.1	52	44	51	57	50	38	

NOTE: See page C1-50 for notes.

PERFORATED FACE DIFFUSERS

6300

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6300 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6300, 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	0 - 1 - 3	0 - 0 - 2	0 - 0 - 2	1.52	28	0.1 - 0.2 - 0.9	0.1 - 0.1 - 0.6	0.1 - 0.1 - 0.5
	400	78	1 - 1 - 5	0 - 1 - 3	0 - 1 - 3	2.03	37	0.2 - 0.4 - 1.6	0.1 - 0.2 - 1.0	0.1 - 0.2 - 0.8
	500	98	1 - 2 - 6	1 - 1 - 5	0 - 1 - 4	2.54	46	0.3 - 0.6 - 2.0	0.2 - 0.4 - 1.5	0.1 - 0.3 - 1.2
	600	118	1 - 3 - 8	1 - 2 - 6	1 - 2 - 5	3.05	56	0.4 - 0.9 - 2.4	0.2 - 0.6 - 1.8	0.2 - 0.5 - 1.4
	700	137	2 - 4 - 9	1 - 3 - 7	1 - 2 - 5	3.56	65	0.6 - 1.2 - 2.8	0.3 - 0.8 - 2.2	0.3 - 0.6 - 1.6
	800	157	2 - 5 - 10	1 - 3 - 8	1 - 3 - 6	4.06	74	0.7 - 1.6 - 3.1	0.4 - 1.0 - 2.4	0.4 - 0.8 - 1.9
	900	177	3 - 6 - 12	2 - 4 - 9	2 - 3 - 7	4.57	83	0.9 - 1.8 - 3.5	0.6 - 1.3 - 2.6	0.5 - 1.0 - 2.1
	1000	196	4 - 6 - 13	2 - 5 - 9	2 - 4 - 8	5.08	93	1.1 - 2.0 - 3.9	0.7 - 1.5 - 2.7	0.6 - 1.2 - 2.3
	1100	216	5 - 7 - 14	3 - 6 - 9	2 - 4 - 8	5.59	102	1.4 - 2.2 - 4.3	0.8 - 1.7 - 2.9	0.7 - 1.3 - 2.6
8"	300	105	0 - 1 - 4	0 - 1 - 2	0 - 1 - 2	1.52	49	0.1 - 0.3 - 1.2	0.1 - 0.2 - 0.7	0.1 - 0.2 - 0.6
	400	140	1 - 2 - 7	0 - 1 - 4	0 - 1 - 4	2.03	66	0.2 - 0.5 - 2.1	0.1 - 0.3 - 1.3	0.1 - 0.3 - 1.1
	500	174	1 - 3 - 9	1 - 2 - 7	1 - 1 - 5	2.54	82	0.4 - 0.8 - 2.6	0.2 - 0.5 - 2.1	0.2 - 0.4 - 1.6
	600	209	2 - 4 - 10	1 - 2 - 8	1 - 2 - 6	3.05	99	0.5 - 1.2 - 3.1	0.3 - 0.7 - 2.5	0.3 - 0.6 - 1.9
	700	244	2 - 5 - 12	1 - 3 - 9	1 - 3 - 7	3.56	115	0.7 - 1.7 - 3.7	0.5 - 1.0 - 2.9	0.4 - 0.8 - 2.2
	800	279	3 - 7 - 14	2 - 4 - 11	2 - 4 - 8	4.06	132	1.0 - 2.1 - 4.2	0.6 - 1.3 - 3.3	0.5 - 1.1 - 2.5
	900	314	4 - 8 - 16	2 - 6 - 11	2 - 5 - 9	4.57	148	1.2 - 2.4 - 4.7	0.7 - 1.7 - 3.5	0.6 - 1.4 - 2.8
	1000	349	5 - 9 - 17	3 - 7 - 12	3 - 5 - 10	5.08	165	1.5 - 2.6 - 5.2	0.9 - 2.1 - 3.6	0.8 - 1.6 - 3.1
	1100	384	6 - 9 - 19	4 - 7 - 13	3 - 6 - 11	5.59	181	1.8 - 2.9 - 5.8	1.1 - 2.3 - 3.8	0.9 - 1.7 - 3.4
10"	300	164	1 - 1 - 5	0 - 1 - 3	0 - 1 - 3	1.52	77	0.2 - 0.4 - 1.5	0.1 - 0.2 - 0.9	0.1 - 0.2 - 0.8
	400	218	1 - 2 - 9	1 - 1 - 5	1 - 1 - 5	2.03	103	0.3 - 0.7 - 2.6	0.2 - 0.4 - 1.7	0.2 - 0.3 - 1.4
	500	273	2 - 3 - 11	1 - 2 - 8	1 - 2 - 6	2.54	129	0.5 - 1.1 - 3.3	0.3 - 0.6 - 2.6	0.2 - 0.5 - 2.0
	600	327	2 - 5 - 13	1 - 3 - 10	1 - 3 - 8	3.05	154	0.7 - 1.5 - 3.9	0.4 - 0.9 - 3.1	0.3 - 0.8 - 2.3
	700	382	3 - 7 - 15	2 - 4 - 12	2 - 3 - 9	3.56	180	0.9 - 2.1 - 4.6	0.6 - 1.3 - 3.6	0.5 - 1.1 - 2.7
	800	436	4 - 9 - 17	2 - 5 - 13	2 - 5 - 10	4.06	206	1.2 - 2.6 - 5.2	0.7 - 1.7 - 4.1	0.6 - 1.4 - 3.1
	900	491	5 - 10 - 19	3 - 7 - 14	3 - 6 - 12	4.57	231	1.5 - 3.0 - 5.9	0.9 - 2.1 - 4.3	0.8 - 1.7 - 3.5
	1000	545	6 - 11 - 22	4 - 8 - 15	3 - 6 - 13	5.08	257	1.9 - 3.3 - 6.6	1.2 - 2.6 - 4.6	1.0 - 2.0 - 3.9
	1100	600	8 - 12 - 24	5 - 9 - 16	4 - 7 - 14	5.59	283	2.3 - 3.6 - 7.2	1.4 - 2.8 - 4.8	1.2 - 2.1 - 4.3
12"	300	235	1 - 2 - 6	0 - 1 - 4	0 - 1 - 3	1.52	111	0.2 - 0.5 - 1.8	0.1 - 0.3 - 1.1	0.1 - 0.2 - 0.9
	400	314	1 - 3 - 10	1 - 2 - 7	1 - 1 - 5	2.03	148	0.4 - 0.8 - 3.1	0.2 - 0.5 - 2.0	0.2 - 0.4 - 1.6
	500	392	2 - 4 - 13	1 - 3 - 10	1 - 2 - 8	2.54	185	0.6 - 1.3 - 3.9	0.3 - 0.8 - 3.1	0.3 - 0.6 - 2.3
	600	471	3 - 6 - 16	2 - 4 - 12	1 - 3 - 9	3.05	222	0.8 - 1.8 - 4.7	0.5 - 1.1 - 3.7	0.4 - 0.9 - 2.8
	700	549	4 - 8 - 18	2 - 5 - 14	2 - 4 - 11	3.56	259	1.1 - 2.5 - 5.5	0.7 - 1.5 - 4.3	0.6 - 1.3 - 3.3
	800	628	5 - 10 - 21	3 - 7 - 16	2 - 5 - 12	4.06	296	1.4 - 3.1 - 6.3	0.9 - 2.0 - 4.9	0.7 - 1.6 - 3.7
	900	706	6 - 12 - 23	4 - 8 - 17	3 - 7 - 14	4.57	333	1.8 - 3.5 - 7.1	1.1 - 2.5 - 5.2	0.9 - 2.1 - 4.2
	1000	785	7 - 13 - 26	5 - 10 - 18	4 - 8 - 15	5.08	370	2.3 - 3.9 - 7.9	1.4 - 3.1 - 5.5	1.1 - 2.3 - 4.7
	1100	863	9 - 14 - 28	6 - 11 - 19	5 - 8 - 17	5.59	407	2.7 - 4.3 - 8.7	1.7 - 3.4 - 5.7	1.4 - 2.6 - 5.2
14"	300	320	1 - 3 - 10	1 - 2 - 6	1 - 1 - 5	1.52	151	0.3 - 0.8 - 3.1	0.2 - 0.5 - 1.9	0.2 - 0.4 - 1.6
	400	427	2 - 4 - 14	1 - 3 - 11	1 - 2 - 8	2.03	202	0.6 - 1.4 - 4.1	0.4 - 0.8 - 3.2	0.3 - 0.7 - 2.5
	500	534	3 - 7 - 17	2 - 4 - 13	2 - 4 - 10	2.54	252	0.9 - 2.1 - 5.2	0.6 - 1.3 - 4.1	0.5 - 1.1 - 3.1
	600	641	4 - 10 - 20	3 - 6 - 16	2 - 5 - 12	3.05	302	1.4 - 3.1 - 6.2	0.8 - 1.9 - 4.9	0.7 - 1.6 - 3.7
	700	748	6 - 12 - 24	4 - 8 - 18	3 - 7 - 14	3.56	353	1.9 - 3.6 - 7.3	1.1 - 2.6 - 5.3	0.9 - 2.1 - 4.3
	800	855	8 - 14 - 27	5 - 11 - 19	4 - 8 - 16	4.06	403	2.4 - 4.1 - 8.3	1.5 - 3.2 - 5.7	1.2 - 2.5 - 4.9
	900	961	10 - 15 - 31	6 - 12 - 20	5 - 9 - 18	4.57	454	3.1 - 4.7 - 9.3	1.9 - 3.6 - 6.1	1.6 - 2.8 - 5.5
	1000	1068	11 - 17 - 34	8 - 13 - 21	6 - 10 - 20	5.08	504	3.5 - 5.2 - 10.4	2.3 - 4.1 - 6.4	1.9 - 3.1 - 6.2
	1100	1175	13 - 19 - 38	9 - 15 - 22	7 - 11 - 22	5.59	555	3.8 - 5.7 - 11.4	2.8 - 4.5 - 6.7	2.3 - 3.4 - 6.8
16"	300	419	1 - 3 - 12	1 - 2 - 7	1 - 1 - 6	1.52	198	0.4 - 0.9 - 3.5	0.2 - 0.5 - 2.2	0.2 - 0.4 - 1.8
	400	558	2 - 5 - 16	1 - 3 - 12	1 - 3 - 9	2.03	263	0.7 - 1.6 - 4.7	0.4 - 1.0 - 3.7	0.4 - 0.8 - 2.8
	500	698	4 - 8 - 19	2 - 5 - 15	2 - 4 - 12	2.54	329	1.1 - 2.4 - 5.9	0.7 - 1.5 - 4.6	0.5 - 1.2 - 3.5
	600	837	5 - 12 - 23	3 - 7 - 18	3 - 6 - 14	3.05	395	1.6 - 3.5 - 7.1	1.0 - 2.2 - 5.6	0.8 - 1.8 - 4.2
	700	977	7 - 14 - 27	4 - 10 - 20	4 - 8 - 16	3.56	461	2.1 - 4.1 - 8.3	1.3 - 2.9 - 6.1	1.1 - 2.4 - 4.9
	800	1116	9 - 16 - 31	6 - 12 - 21	5 - 9 - 19	4.06	527	2.8 - 4.7 - 9.5	1.7 - 3.7 - 6.5	1.4 - 2.8 - 5.6
	900	1256	12 - 18 - 35	7 - 14 - 23	6 - 10 - 21	4.57	593	3.5 - 5.3 - 10.7	2.2 - 4.2 - 6.9	1.8 - 3.2 - 6.3
	1000	1395	13 - 19 - 39	9 - 15 - 24	7 - 12 - 23	5.08	658	3.9 - 5.9 - 11.8	2.7 - 4.6 - 7.3	2.2 - 3.5 - 7.0
	1100	1535	14 - 21 - 43	11 - 17 - 25	8 - 13 - 25	5.59	724	4.3 - 6.5 - 13.0	3.2 - 5.1 - 7.7	2.6 - 3.9 - 7.8

NOTE: See page C1-50 for notes.