

**6200, 56200 (Supply) Performance Data: Horizontal Throw**

IP/METRIC DATA: 6200, 56200, 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							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
6" x 6"	300	75	0.004	0.010	1-2-6	-	1.52	35	1.0	2.4	0.3-0.7-1.8	34	25	27	15	-	-	
	400	100	0.007	0.017	2-4-8	14	2.03	47	1.8	4.3	0.5-1.2-2.4	36	30	32	22	-	-	
	500	125	0.011	0.027	3-5-10	19	2.54	59	2.8	6.7	0.8-1.5-3.0	38	33	36	28	13	-	
	600	150	0.016	0.039	4-6-11	23	3.05	71	4.0	9.6	1.2-1.8-3.2	40	36	39	32	19	-	
	700	175	0.022	0.053	5-7-11	26	3.56	83	5.5	13.1	1.4-2.1-3.5	41	38	41	36	24	13	
	800	200	0.029	0.069	5-8-12	29	4.06	94	7.2	17.1	1.6-2.4-3.7	42	40	44	39	29	18	
	900	225	0.036	0.087	6-9-13	32	4.57	106	9.1	21.6	1.8-2.7-4.0	44	42	46	42	33	21	
	1000	250	0.045	0.107	7-10-14	34	5.08	118	11.2	26.7	2.0-3.0-4.2	44	44	47	45	36	25	
1100	275	0.054	0.130	7-10-14	36	5.59	130	13.5	32.3	2.2-3.1-4.4	45	45	49	47	40	28		
8" x 8"	300	133	0.007	0.012	1-3-8	-	1.52	63	1.6	3.0	0.4-0.9-2.4	35	26	28	17	-	-	
	400	178	0.012	0.022	2-5-11	16	2.03	84	2.9	5.4	0.7-1.6-3.2	38	30	33	24	-	-	
	500	222	0.018	0.034	4-7-13	21	2.54	105	4.5	8.4	1.1-2.0-3.9	40	34	37	29	16	-	
	600	267	0.026	0.048	5-8-14	24	3.05	126	6.5	12.1	1.6-2.4-4.3	41	37	40	34	22	12	
	700	311	0.035	0.066	6-9-15	28	3.56	147	8.8	16.4	1.9-2.8-4.7	42	39	42	38	27	17	
	800	356	0.046	0.086	7-11-16	30	4.06	168	11.5	21.4	2.1-3.2-5.0	44	41	45	41	32	21	
	900	400	0.058	0.109	8-12-17	33	4.57	189	14.6	27.1	2.4-3.6-5.3	45	43	47	44	36	25	
	1000	444	0.072	0.135	9-13-18	35	5.08	210	18.0	33.5	2.7-3.9-5.6	46	44	48	46	39	28	
1100	489	0.087	0.163	10-14-19	37	5.59	231	21.7	40.5	3.0-4.1-5.8	46	46	50	49	42	31		
10" x 10"	300	208	0.010	0.015	2-4-10	-	1.52	98	2.4	3.8	0.5-1.1-3.0	36	26	29	18	-	-	
	400	278	0.017	0.027	3-7-13	17	2.03	131	4.3	6.8	0.9-2.0-4.0	38	31	34	25	-	-	
	500	347	0.027	0.042	5-8-16	22	2.54	164	6.7	10.6	1.4-2.5-4.9	40	34	37	30	18	-	
	600	417	0.039	0.061	7-10-18	25	3.05	197	9.6	15.2	2.0-3.0-5.4	42	37	40	35	24	14	
	700	486	0.053	0.083	8-12-19	29	3.56	229	13.1	20.7	2.4-3.5-5.8	43	39	43	39	29	19	
	800	556	0.069	0.109	9-13-20	31	4.06	262	17.1	27.0	2.7-4.0-6.2	45	42	45	42	34	24	
	900	625	0.087	0.137	10-15-22	34	4.57	295	21.6	34.2	3.0-4.5-6.6	46	43	47	45	38	28	
	1000	694	0.107	0.170	11-16-23	36	5.08	328	26.7	42.2	3.4-4.9-7.0	46	45	49	48	41	31	
1100	764	0.130	0.205	12-17-24	38	5.59	361	32.3	51.1	3.7-5.2-7.3	47	46	51	50	44	34		
12" x 12"	300	300	0.014	0.019	2-4-12	12	1.52	142	3.4	4.8	0.6-1.4-3.6	37	27	29	19	-	-	
	400	400	0.024	0.034	4-8-16	18	2.03	189	6.0	8.5	1.1-2.4-4.8	39	31	34	26	12	-	
	500	500	0.038	0.053	5-10-19	22	2.54	236	9.3	13.2	1.7-3.0-5.9	41	35	38	31	19	-	
	600	600	0.054	0.076	8-12-21	26	3.05	283	13.5	19.0	2.4-3.6-6.5	43	38	41	36	26	16	
	700	700	0.074	0.104	9-14-23	29	3.56	330	18.3	25.9	2.8-4.2-7.0	44	40	44	40	31	21	
	800	800	0.096	0.136	11-16-25	32	4.06	378	23.9	33.9	3.2-4.8-7.5	45	42	46	43	35	26	
	900	900	0.122	0.172	12-18-26	35	4.57	425	30.3	42.9	3.6-5.4-7.9	46	44	48	46	39	30	
	1000	1000	0.150	0.212	13-19-27	37	5.08	472	37.4	52.9	4.0-5.9-8.4	47	45	50	49	43	33	
1100	1100	0.182	0.257	15-20-29	39	5.59	519	45.2	64.0	4.4-6.2-8.8	48	47	52	51	46	36		
14" x 14"	300	408	0.018	0.024	2-5-14	12	1.52	193	4.5	5.9	0.7-1.6-4.2	37	27	30	20	-	-	
	400	544	0.032	0.042	4-9-19	18	2.03	257	8.0	10.5	1.2-2.8-5.6	40	32	35	27	13	-	
	500	681	0.050	0.066	6-12-23	23	2.54	321	12.5	16.4	1.9-3.5-6.9	42	35	39	32	21	12	
	600	817	0.072	0.095	9-14-25	27	3.05	385	18.0	23.6	2.8-4.2-7.6	43	38	42	37	27	18	
	700	953	0.098	0.129	11-16-27	30	3.56	450	24.5	32.1	3.3-4.9-8.2	45	40	44	41	32	23	
	800	1089	0.129	0.168	12-19-29	33	4.06	514	32.0	41.9	3.8-5.6-8.7	46	42	47	44	37	28	
	900	1225	0.163	0.213	14-21-30	36	4.57	578	40.5	53.1	4.2-6.3-9.2	47	44	49	47	41	31	
	1000	1361	0.201	0.263	15-23-32	38	5.08	642	50.0	65.5	4.7-6.9-9.7	48	46	50	49	44	35	
1100	1497	0.243	0.318	17-24-34	40	5.59	707	60.5	79.3	5.2-7.2-10.2	49	47	52	52	47	38		
16" x 16"	300	533	0.023	0.029	3-6-16	13	1.52	252	5.8	7.2	0.8-1.8-4.8	38	28	30	20	-	-	
	400	711	0.041	0.051	5-11-21	19	2.03	336	10.3	12.8	1.4-3.2-6.4	40	32	35	27	15	-	
	500	889	0.065	0.080	7-13-26	24	2.54	420	16.1	20.0	2.2-4.0-7.9	42	36	39	33	22	14	
	600	1067	0.093	0.116	11-16-28	28	3.05	503	23.2	28.8	3.2-4.8-8.6	44	38	42	37	28	20	
	700	1244	0.127	0.158	12-19-31	31	3.56	587	31.6	39.2	3.8-5.6-9.3	45	41	45	41	33	25	
	800	1422	0.166	0.206	14-21-33	34	4.06	671	41.3	51.2	4.3-6.4-10.0	46	43	47	45	38	29	
	900	1600	0.210	0.260	16-24-35	36	4.57	755	52.3	64.9	4.8-7.3-10.6	47	45	49	48	42	33	
	1000	1778	0.259	0.322	18-26-37	38	5.08	839	64.6	80.1	5.4-7.9-11.1	48	46	51	50	45	36	
1100	1956	0.314	0.389	19-27-38	40	5.59	923	78.1	96.9	5.9-8.3-11.7	49	48	53	52	48	40		
18" x 18"	300	675	0.029	0.035	3-7-18	14	1.52	319	7.3	8.7	0.9-2.0-5.4	38	28	31	21	-	-	
	400	900	0.052	0.062	5-12-24	20	2.03	425	13.0	15.5	1.6-3.6-7.3	41	32	36	28	16	-	
	500	1125	0.081	0.097	8-15-29	24	2.54	531	20.3	24.1	2.5-4.5-8.9	43	36	39	34	23	15	
	600	1350	0.117	0.140	12-18-32	28	3.05	637	29.2	34.8	3.6-5.4-9.7	44	39	43	38	29	21	
	700	1575	0.160	0.190	14-21-34	31	3.56	743	39.7	47.3	4.2-6.3-10.5	46	41	45	42	34	26	
	800	1800	0.208	0.248	16-24-37	34	4.06	850	51.9	61.8	4.8-7.3-11.2	47	43	48	45	39	31	
	900	2025	0.264	0.314	18-27-39	37	4.57	956	65.7	78.2	5.4-8.2-11.9	48	45	50	48	43	34	
	1000	2250	0.326	0.388	20-29-41	39	5.08	1062	81.1	96.6	6.0-8.9-12.5	49	47	51	51	46	38	
1100	2475	0.394	0.469	22-31-43	41	5.59	1168	98.1	116.9	6.6-9.3-13.1	50	48	53	53	50	41		

NOTE: See page C1-22 for notes.

PERFORATED FACE DIFFUSERS

6200 - 56200

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**6200, 56200 (Supply) Performance Data: Horizontal Throw**
**IP/METRIC DATA: 6200, 56200, 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" x 6"	300	75	3 - 7 - 14	3 - 6 - 11	1 - 3 - 8	1.52	35.4	1.0 - 2.2 - 4.1	0.8 - 1.7 - 3.4	0.4 - 0.9 - 2.4
	400	100	6 - 10 - 16	5 - 8 - 13	2 - 5 - 11	2.03	47.2	1.8 - 3.1 - 4.8	1.4 - 2.4 - 3.9	0.7 - 1.5 - 3.2
	500	125	9 - 12 - 18	7 - 10 - 14	3 - 7 - 12	2.54	59.0	2.6 - 3.8 - 5.3	2.0 - 3.0 - 4.4	1.1 - 2.0 - 3.7
	600	150	10 - 14 - 19	8 - 11 - 16	5 - 8 - 13	3.05	70.8	3.1 - 4.1 - 5.8	2.4 - 3.4 - 4.8	1.5 - 2.4 - 4.0
	700	175	12 - 15 - 21	9 - 12 - 17	6 - 9 - 14	3.56	82.6	3.6 - 4.5 - 6.3	2.8 - 3.6 - 5.2	1.9 - 2.8 - 4.3
	800	200	13 - 16 - 22	10 - 13 - 18	7 - 11 - 15	4.06	94.4	3.9 - 4.8 - 6.7	3.2 - 3.9 - 5.5	2.1 - 3.2 - 4.6
	900	225	14 - 17 - 23	11 - 14 - 19	8 - 11 - 16	4.57	106.2	4.1 - 5.0 - 7.1	3.4 - 4.1 - 5.8	2.4 - 3.5 - 4.9
	1000	250	14 - 18 - 25	12 - 14 - 20	9 - 12 - 17	5.08	118.0	4.3 - 5.3 - 7.5	3.6 - 4.4 - 6.2	2.7 - 3.7 - 5.2
	1100	275	15 - 18 - 26	12 - 15 - 21	10 - 13 - 18	5.59	129.8	4.6 - 5.6 - 7.9	3.7 - 4.6 - 6.5	2.9 - 3.8 - 5.4
8" x 8"	300	133	4 - 10 - 18	3 - 8 - 15	2 - 4 - 11	1.52	62.9	1.3 - 3.0 - 5.5	1.0 - 2.3 - 4.5	0.5 - 1.1 - 3.2
	400	178	8 - 14 - 21	6 - 10 - 17	3 - 7 - 14	2.03	83.9	2.4 - 4.1 - 6.3	1.8 - 3.2 - 5.2	0.9 - 2.0 - 4.3
	500	222	11 - 17 - 23	9 - 13 - 19	5 - 9 - 16	2.54	104.9	3.5 - 5.0 - 7.1	2.6 - 4.0 - 5.8	1.4 - 2.7 - 4.9
	600	267	14 - 18 - 26	10 - 15 - 21	7 - 11 - 18	3.05	125.9	4.1 - 5.5 - 7.8	3.2 - 4.5 - 6.4	2.0 - 3.2 - 5.3
	700	311	16 - 20 - 28	12 - 16 - 23	8 - 12 - 19	3.56	146.8	4.8 - 5.9 - 8.4	3.7 - 4.9 - 6.9	2.5 - 3.7 - 5.8
	800	356	17 - 21 - 30	14 - 17 - 24	9 - 14 - 20	4.06	167.8	5.2 - 6.3 - 9.0	4.2 - 5.2 - 7.3	2.8 - 4.3 - 6.2
	900	400	18 - 22 - 31	15 - 18 - 26	11 - 15 - 22	4.57	188.8	5.5 - 6.7 - 9.5	4.5 - 5.5 - 7.8	3.2 - 4.6 - 6.5
	1000	444	19 - 23 - 33	16 - 19 - 27	12 - 16 - 23	5.08	209.8	5.8 - 7.1 - 10.0	4.7 - 5.8 - 8.2	3.6 - 4.9 - 6.9
	1100	489	20 - 24 - 35	16 - 20 - 28	13 - 17 - 24	5.59	230.7	6.1 - 7.4 - 10.5	5.0 - 6.1 - 8.6	3.9 - 5.1 - 7.2
10" x 10"	300	208	5 - 12 - 23	4 - 10 - 19	2 - 5 - 13	1.52	98.3	1.7 - 3.7 - 6.9	1.3 - 2.9 - 5.6	0.6 - 1.4 - 4.0
	400	278	10 - 17 - 26	8 - 13 - 21	4 - 8 - 18	2.03	131.1	2.9 - 5.2 - 7.9	2.3 - 4.0 - 6.5	1.1 - 2.6 - 5.3
	500	347	14 - 21 - 29	11 - 16 - 24	6 - 11 - 20	2.54	163.9	4.3 - 6.3 - 8.9	3.3 - 5.0 - 7.3	1.8 - 3.3 - 6.1
	600	417	17 - 23 - 32	13 - 19 - 26	8 - 13 - 22	3.05	196.6	5.2 - 6.9 - 9.7	4.0 - 5.6 - 8.0	2.6 - 4.0 - 6.7
	700	486	20 - 24 - 35	15 - 20 - 28	10 - 15 - 24	3.56	229.4	6.0 - 7.4 - 10.5	4.6 - 6.1 - 8.6	3.1 - 4.7 - 7.2
	800	556	21 - 26 - 37	17 - 21 - 30	12 - 18 - 25	4.06	262.2	6.5 - 7.9 - 11.2	5.3 - 6.5 - 9.2	3.6 - 5.3 - 7.7
	900	625	23 - 28 - 39	19 - 23 - 32	13 - 19 - 27	4.57	295.0	6.9 - 8.4 - 11.9	5.6 - 6.9 - 9.7	4.0 - 5.8 - 8.2
	1000	694	24 - 29 - 41	20 - 24 - 34	15 - 20 - 28	5.08	327.7	7.2 - 8.9 - 12.5	5.9 - 7.3 - 10.3	4.4 - 6.1 - 8.6
	1100	764	25 - 31 - 43	20 - 25 - 35	16 - 21 - 30	5.59	360.5	7.6 - 9.3 - 13.2	6.2 - 7.6 - 10.8	4.9 - 6.4 - 9.0
12" x 12"	300	300	7 - 15 - 27	5 - 11 - 22	3 - 6 - 16	1.52	141.6	2.0 - 4.5 - 8.2	1.6 - 3.5 - 6.8	0.8 - 1.7 - 4.8
	400	400	12 - 20 - 31	9 - 16 - 26	4 - 10 - 21	2.03	188.8	3.5 - 6.2 - 9.5	2.8 - 4.8 - 7.8	1.4 - 3.1 - 6.4
	500	500	17 - 25 - 35	13 - 20 - 29	7 - 13 - 24	2.54	236.0	5.2 - 7.5 - 10.6	4.0 - 5.9 - 8.7	2.1 - 4.0 - 7.3
	600	600	20 - 27 - 38	16 - 22 - 31	10 - 16 - 26	3.05	283.2	6.2 - 8.2 - 11.7	4.8 - 6.8 - 9.5	3.1 - 4.8 - 8.0
	700	700	24 - 29 - 41	18 - 24 - 34	12 - 18 - 28	3.56	330.4	7.2 - 8.9 - 12.6	5.6 - 7.3 - 10.3	3.7 - 5.6 - 8.7
	800	800	26 - 31 - 44	21 - 26 - 36	14 - 21 - 30	4.06	377.6	7.8 - 9.5 - 13.5	6.3 - 7.8 - 11.0	4.3 - 6.4 - 9.3
	900	900	27 - 33 - 47	22 - 27 - 38	16 - 23 - 32	4.57	424.8	8.2 - 10.1 - 14.3	6.8 - 8.3 - 11.7	4.8 - 6.9 - 9.8
	1000	1000	29 - 35 - 50	23 - 29 - 41	18 - 24 - 34	5.08	471.9	8.7 - 10.6 - 15.1	7.1 - 8.7 - 12.3	5.3 - 7.3 - 10.3
	1100	1100	30 - 37 - 52	25 - 30 - 43	19 - 25 - 36	5.59	519.1	9.1 - 11.2 - 15.8	7.5 - 9.1 - 12.9	5.9 - 7.7 - 10.8
14" x 14"	300	408	8 - 17 - 32	6 - 13 - 26	3 - 7 - 18	1.52	192.7	2.3 - 5.2 - 9.6	1.8 - 4.1 - 7.9	0.9 - 2.0 - 5.6
	400	544	14 - 24 - 37	11 - 18 - 30	5 - 12 - 25	2.03	257.0	4.1 - 7.2 - 11.1	3.2 - 5.6 - 9.1	1.6 - 3.6 - 7.5
	500	681	20 - 29 - 41	15 - 23 - 33	8 - 15 - 28	2.54	321.2	6.0 - 8.8 - 12.4	4.6 - 6.9 - 10.2	2.5 - 4.7 - 8.5
	600	817	24 - 32 - 45	18 - 26 - 37	12 - 18 - 31	3.05	385.4	7.2 - 9.6 - 13.6	5.6 - 7.9 - 11.1	3.6 - 5.6 - 9.3
	700	953	28 - 34 - 48	21 - 28 - 40	14 - 21 - 33	3.56	449.7	8.5 - 10.4 - 14.7	6.5 - 8.5 - 12.0	4.4 - 6.5 - 10.1
	800	1089	30 - 37 - 52	24 - 30 - 42	16 - 25 - 36	4.06	513.9	9.1 - 11.1 - 15.7	7.4 - 9.1 - 12.9	5.0 - 7.5 - 10.8
	900	1225	32 - 39 - 55	26 - 32 - 45	18 - 27 - 38	4.57	578.1	9.6 - 11.8 - 16.7	7.9 - 9.6 - 13.6	5.6 - 8.1 - 11.4
	1000	1361	33 - 41 - 58	27 - 33 - 47	20 - 28 - 40	5.08	642.4	10.1 - 12.4 - 17.6	8.3 - 10.2 - 14.4	6.2 - 8.5 - 12.1
	1100	1497	35 - 43 - 61	29 - 35 - 50	23 - 29 - 42	5.59	706.6	10.6 - 13.0 - 18.4	8.7 - 10.7 - 15.1	6.8 - 8.9 - 12.7
16" x 16"	300	533	9 - 20 - 36	7 - 15 - 30	3 - 8 - 21	1.52	251.7	2.6 - 6.0 - 11.0	2.1 - 4.7 - 9.0	1.0 - 2.3 - 6.4
	400	711	15 - 27 - 42	12 - 21 - 34	6 - 13 - 28	2.03	335.6	4.7 - 8.3 - 12.7	3.7 - 6.3 - 10.4	1.8 - 4.1 - 8.5
	500	889	23 - 33 - 47	17 - 26 - 38	9 - 18 - 32	2.54	419.5	6.9 - 10.0 - 14.2	5.3 - 7.9 - 11.6	2.8 - 5.3 - 9.8
	600	1067	27 - 36 - 51	21 - 30 - 42	13 - 21 - 35	3.05	503.4	8.3 - 11.0 - 15.5	6.3 - 9.0 - 12.7	4.1 - 6.4 - 10.7
	700	1244	32 - 39 - 55	24 - 32 - 45	16 - 25 - 38	3.56	587.3	9.7 - 11.9 - 16.8	7.4 - 9.7 - 13.8	5.0 - 7.5 - 11.5
	800	1422	34 - 42 - 59	28 - 34 - 48	19 - 28 - 41	4.06	671.2	10.4 - 12.7 - 18.0	8.5 - 10.4 - 14.7	5.7 - 8.5 - 12.3
	900	1600	36 - 44 - 63	30 - 36 - 51	21 - 30 - 43	4.57	755.1	11.0 - 13.5 - 19.0	9.0 - 11.0 - 15.6	6.4 - 9.3 - 13.1
	1000	1778	38 - 47 - 66	31 - 38 - 54	23 - 32 - 45	5.08	839.0	11.6 - 14.2 - 20.1	9.5 - 11.6 - 16.4	7.1 - 9.8 - 13.8
	1100	1956	40 - 49 - 69	33 - 40 - 57	26 - 34 - 48	5.59	922.9	12.2 - 14.9 - 21.1	10.0 - 12.2 - 17.2	7.8 - 10.2 - 14.5
18" x 18"	300	675	10 - 22 - 41	8 - 17 - 33	4 - 8 - 24	1.52	318.6	3.0 - 6.7 - 12.4	2.3 - 5.2 - 10.1	1.1 - 2.6 - 7.2
	400	900	17 - 31 - 47	14 - 23 - 38	7 - 15 - 32	2.03	424.8	5.3 - 9.3 - 14.3	4.1 - 7.1 - 11.7	2.0 - 4.6 - 9.6
	500	1125	26 - 37 - 53	20 - 29 - 43	10 - 20 - 36	2.54	530.9	7.8 - 11.3 - 16.0	5.9 - 8.9 - 13.1	3.2 - 6.0 - 11.0
	600	1350	31 - 41 - 58	23 - 33 - 47	15 - 24 - 40	3.05	637.1	9.3 - 12.4 - 17.5	7.1 - 10.1 - 14.3	4.6 - 7.2 - 12.0
	700	1575	36 - 44 - 62	27 - 36 - 51	18 - 28 - 43	3.56	743.3	10.9 - 13.4 - 18.9	8.3 - 10.9 - 15.5	5.6 - 8.4 - 13.0
	800	1800	38 - 47 - 66	31 - 38 - 54	21 - 32 - 46	4.06	849.5	11.7 - 14.3 - 20.2	9.5 - 11.7 - 16.5	6.4 - 9.6 - 13.9
	900	2025	41 - 50 - 70	33 - 41 - 58	24 - 34 - 48	4.57	955.7	12.4 - 15.1 - 21.4	10.1 - 12.4 - 17.5	7.2 - 10.4 - 14.7
	1000	2250	43 - 53 - 74	35 - 43 - 61	26 - 36 - 51	5.08	1061.9	13.0 - 16.0 - 22.6	10.7 - 13.1 - 18.5	8.0 - 11.0 - 15.5
	1100	2475	45 - 55 - 78	37 - 45 - 64	29 - 38 - 54	5.59	1168.1	13.7 - 16.7 - 23.7	11.2 - 13.7 - 19.4	8.8 - 11.5 - 16.3

PERFORATED FACE DIFFUSERS

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NOTE: See page C1-23 for notes.