

**6150, 56150 (Supply) Performance Data: Horizontal Throw**

IP/METRIC DATA: 6150, 56150 (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"	100	25	0.005	0.005	0 - 0 - 1	-	0.51	12	1.2	1.3	0.0 - 0.1 - 0.4	-	-	-	-	-	-	
	200	50	0.019	0.022	1 - 1 - 5	-	1.02	24	4.8	5.4	0.2 - 0.4 - 1.4	18	16	13	11	-	-	
	300	75	0.043	0.049	1 - 3 - 7	-	1.52	35	10.7	12.1	0.4 - 1.0 - 2.1	26	25	23	21	15	-	
	400	100	0.077	0.087	3 - 5 - 9	16	2.03	47	19.1	21.6	0.8 - 1.4 - 2.7	32	32	30	28	24	14	
	500	125	0.120	0.135	4 - 6 - 11	23	2.54	59	29.8	33.7	1.1 - 1.7 - 3.3	36	37	36	34	31	23	
	600	150	0.172	0.195	5 - 7 - 12	29	3.05	71	42.9	48.5	1.4 - 2.1 - 3.6	40	42	40	39	36	31	
	700	175	0.235	0.265	5 - 8 - 13	34	3.56	83	58.5	66.1	1.6 - 2.4 - 3.9	43	45	44	43	41	37	
	800	200	0.307	0.347	6 - 9 - 14	39	4.06	94	76.3	86.3	1.8 - 2.7 - 4.2	46	48	48	46	45	43	
	900	225	0.388	0.439	7 - 10 - 15	42	4.57	106	96.6	109.2	2.1 - 3.1 - 4.4	48	51	50	49	49	48	
8" x 8"	100	44	0.006	0.006	0 - 0 - 2	-	0.51	21	1.5	1.6	0.1 - 0.1 - 0.6	-	-	-	-	-	-	
	200	89	0.023	0.026	1 - 2 - 6	-	1.02	42	5.8	6.4	0.3 - 0.6 - 1.8	20	18	17	15	-	-	
	300	133	0.052	0.058	2 - 4 - 9	13	1.52	63	13.0	14.4	0.6 - 1.3 - 2.7	29	28	27	26	20	-	
	450	200	0.118	0.131	4 - 7 - 14	26	2.29	94	29.4	32.5	1.3 - 2.1 - 4.1	37	37	37	36	33	24	
	400	178	0.093	0.103	3 - 6 - 12	23	2.03	84	23.2	25.7	1.0 - 1.8 - 3.7	35	35	34	33	29	19	
	550	244	0.176	0.195	6 - 8 - 15	33	2.79	115	43.8	48.5	1.7 - 2.5 - 4.6	41	42	42	41	39	32	
	500	222	0.146	0.161	5 - 8 - 15	30	2.54	105	36.2	40.1	1.5 - 2.3 - 4.4	39	40	39	39	36	28	
	650	289	0.246	0.272	7 - 10 - 17	38	3.30	136	61.2	67.8	2.0 - 3.0 - 5.0	45	46	46	45	44	39	
700	311	0.285	0.316	7 - 11 - 17	41	3.56	147	71.0	78.6	2.1 - 3.2 - 5.2	46	48	47	47	47	43		
10" x 10"	100	69	0.007	0.008	0 - 1 - 2	-	0.51	33	1.8	1.9	0.1 - 0.2 - 0.7	-	-	-	-	-	-	
	200	139	0.029	0.031	1 - 2 - 8	-	1.02	66	7.1	7.7	0.3 - 0.7 - 2.3	23	20	19	19	11	-	
	300	208	0.064	0.070	2 - 5 - 11	18	1.52	98	16.0	17.4	0.7 - 1.7 - 3.4	31	30	29	29	24	11	
	350	243	0.088	0.095	3 - 7 - 13	23	1.78	115	21.8	23.7	1.0 - 2.0 - 4.0	34	33	33	33	29	17	
	400	278	0.114	0.124	4 - 8 - 15	28	2.03	131	28.5	31.0	1.3 - 2.3 - 4.6	37	37	36	36	33	23	
	450	313	0.145	0.157	5 - 8 - 17	31	2.29	147	36.0	39.2	1.7 - 2.6 - 5.1	39	39	39	39	37	28	
	500	347	0.179	0.194	6 - 9 - 18	35	2.54	164	44.5	48.4	1.9 - 2.9 - 5.5	41	42	42	42	40	32	
	550	382	0.216	0.235	7 - 10 - 19	38	2.79	180	53.8	58.5	2.1 - 3.1 - 5.8	43	44	44	44	43	36	
600	417	0.257	0.280	8 - 11 - 20	41	3.05	197	64.1	69.6	2.3 - 3.4 - 6.0	45	46	46	47	46	40		

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power level minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. The throw values given for 4-Way Throw is for [Total CFM/4] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

PERFORATED FACE DIFFUSERS

6150 - 56150