6100, 56100 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6100, 56100 (NO DAMPER)

	IP Data						Metric Data											
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	NC	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	Octave Band, dB					
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
6"	200	39	0.020	0.022	0 - 1 - 2	-	1.02	19	4.9	5.6	0.1 - 0.2 - 0.7	16	15	12	-	-	-
	300	59	0.045	0.050	1 - 1 - 4	-	1.52	28	11.1	12.5	0.2 - 0.4 - 1.1	25	24	22	19	12	-
	400	78	0.079	0.089	1 - 2 - 5	-	2.03	37	19.8	22.3	0.3 - 0.7 - 1.5	31	31	29	27	21	11
	500	98	0.124	0.140	2 - 3 - 6	18	2.54	46	30.9	34.8	0.5 - 0.9 - 1.9	35	36	35	32	28	21
	600	118	0.179	0.201	2 - 4 - 7	24	3.05	56	44.5	50.1	0.7 - 1.1 - 2.3	39	41	39	37	34	29
	700	137	0.243	0.274	3 - 4 - 8	30	3.56	65	60.6	68.2	0.9 - 1.3 - 2.5	42	44	43	41	39	35
	800	157	0.318	0.358	3 - 5 - 9	35	4.06	74	79.1	89.1	1.0 - 1.5 - 2.7	45	47	46	44	43	41
	900	177	0.402	0.453	4 - 6 - 9	39	4.57	83	100.2	112.7	1.1 - 1.7 - 2.9	47	50	49	47	47	46
	950	186	0.448	0.504	4 - 6 - 10	41	4.83	88	111.6	125.6	1.2 - 1.8 - 3.0	48	51	50	49	48	48
8"	200	70	0.020	0.022	0 - 1 - 3	-	1.02	33	4.9	5.6	0.1 - 0.2 - 1.0	19	17	15	13	-	-
	300	105	0.045	0.050	1 - 2 - 5	-	1.52	49	11.1	12.5	0.2 - 0.5 - 1.5	28	27	25	24	18	-
	400	140	0.079	0.089	1 - 3 - 7	15	2.03	66	19.8	22.3	0.4 - 1.0 - 2.0	33	34	32	31	27	17
	500	174	0.124	0.140	2 - 4 - 8	23	2.54	82	30.9	34.8	0.7 - 1.3 - 2.5	38	39	38	37	34	26
	600	209	0.179	0.201	3 - 5 - 10	30	3.05	99	44.5	50.1	1.0 - 1.5 - 3.0	42	43	42	41	39	34
	700	244	0.243	0.274	4 - 6 - 11	35	3.56	115	60.6	68.2	1.2 - 1.8 - 3.4	45	47	46	45	44	40
	750	262	0.279	0.314	4 - 6 - 12	38	3.81	123	69.6	78.3	1.3 - 1.9 - 3.5	46	48	48	47	46	43
	800	279	0.318	0.358	4 - 7 - 12	40	4.06	132	79.1	89.1	1.3 - 2.0 - 3.6	48	50	49	49	48	46
	850	296	0.359	0.404	5 - 7 - 12	42	4.32	140	89.3	100.6	1.4 - 2.1 - 3.7	49	51	51	50	50	49
10"	200	109	0.020	0.022	0 - 1 - 4	-	1.02	51	4.9	5.6	0.1 - 0.3 - 1.2	21	19	18	17	-	-
	300	164	0.045	0.050	1 - 2 - 6	-	1.52	77	11.1	12.5	0.3 - 0.7 - 1.9	30	29	28	27	22	-
	400	218	0.079	0.089	2 - 4 - 8	19	2.03	103	19.8	22.3	0.5 - 1.2 - 2.5	36	36	35	34	31	21
	450	245	0.101	0.113	2 - 5 - 9	23	2.29	116	25.0	28.2	0.7 - 1.4 - 2.8	38	38	38	37	35	26
	500	273	0.124	0.140	3 - 5 - 10	27	2.54	129	30.9	34.8	0.8 - 1.6 - 3.1	40	41	40	40	38	30
	600	327	0.179	0.201	4 - 6 - 12	34	3.05	154	44.5	50.1	1.2 - 1.9 - 3.8	44	45	45	45	44	38
	650	354	0.210	0.236	4 - 7 - 13	36	3.30	167	52.2	58.8	1.4 - 2.0 - 4.1	46	47	47	47	46	41
	700	382	0.243	0.274	5 - 7 - 14	39	3.56	180	60.6	68.2	1.5 - 2.2 - 4.2	47	49	49	49	48	44
	750	409	0.279	0.314	5 - 8 - 14	42	3.81	193	69.6	78.3	1.6 - 2.4 - 4.4	49	50	50	50	51	47
12"	200	157	0.020	0.022	1 - 1 - 5	-	1.02	74	4.9	5.6	0.2 - 0.4 - 1.4	23	21	20	20	13	-
	300	235	0.045	0.050	1 - 3 - 7	12	1.52	111	11.1	12.5	0.4 - 0.8 - 2.3	32	30	30	30	25	12
	400	314	0.079	0.089	2 - 5 - 10	22	2.03	148	19.8	22.3	0.6 - 1.4 - 3.0	37	37	37	37	34	24
	450	353	0.101	0.113	3 - 6 - 11	27	2.29	167	25.0	28.2	0.8 - 1.7 - 3.4	40	40	40	40	38	29
	500	392	0.124	0.140	3 - 6 - 12	30	2.54	185	30.9	34.8	1.0 - 1.9 - 3.8	42	42	42	43	41	34
	550	432	0.150	0.169	4 - 7 - 14	34	2.79	204	37.4	42.1	1.2 - 2.1 - 4.1	44	45	45	45	44	38
	600	471	0.179	0.201	5 - 7 - 15	37	3.05	222	44.5	50.1	1.4 - 2.3 - 4.5	46	47	47	48	47	41
	650	510	0.210	0.236	5 - 8 - 16	40	3.30	241	52.2	58.8	1.6 - 2.5 - 4.9	47	49	49	50	50	45
	700	549	0.243	0.274	6 - 9 - 17	42	3.56	259	60.6	68.2	1.8 - 2.6 - 5.1	49	50	51	51	52	48
14"	200	214	0.020	0.022	1 - 2 - 7	-	1.02	101	4.9	5.6	0.3 - 0.6 - 2.0	25	22	22	22	16	-
	300	320	0.045	0.050	2 - 4 - 10	15	1.52	151	11.1	12.5	0.6 - 1.4 - 3.0	33	32	32	32	28	15
	350	374	0.061	0.068	3 - 6 - 11	20	1.78	176	15.1	17.1	0.8 - 1.7 - 3.5	36	35	35	36	33	21
	400	427	0.079	0.089	4 - 7 - 13	25	2.03	202	19.8	22.3	1.1 - 2.0 - 4.0	39	39	39	40	37	27
	450	481	0.101	0.113	4 - 7 - 15	29	2.29	227	25.0	28.2	1.4 - 2.2 - 4.5	41	41	41	43	41	32
	500	534	0.124	0.140	5 - 8 - 16	33	2.54	252	30.9	34.8	1.7 - 2.5 - 5.0	44	44	44	45	44	36
	550	588	0.150	0.169	6 - 9 - 17	37	2.79	277	37.4	42.1	1.8 - 2.7 - 5.2	46	46	46	48	47	40
	600	641	0.179	0.201	7 - 10 - 18	40	3.05	302	44.5	50.1	2.0 - 3.0 - 5.5	47	48	49	50	50	44
	650	694	0.210	0.236	7 - 11 - 19	43	3.30	328	52.2	58.8	2.2 - 3.2 - 5.7	49	50	51	52	52	47
15"	200	245	0.020	0.022	1 - 2 - 7	-	1.02	116	4.9	5.6	0.3 - 0.6 - 2.1	25	23	22	23	17	-
	250	307	0.031	0.035	1 - 3 - 9	-	1.27	145	7.7	8.7	0.4 - 1.0 - 2.7	30	28	28	29	24	-
	300	368	0.045	0.050	2 - 5 - 10	16	1.52	174	11.1	12.5	0.6 - 1.5 - 3.2	34	32	32	33	29	16
	350	429	0.061	0.068	3 - 6 - 12	22	1.78	203	15.1	17.1	0.9 - 1.9 - 3.7	37	36	36	37	34	23
	400	491	0.079	0.089	4 - 7 - 14	26	2.03	231	19.8	22.3	1.1 - 2.1 - 4.3	40	39	39	41	38	28
	450	552	0.101	0.113	5 - 8 - 16	31	2.29	260	25.0	28.2	1.5 - 2.4 - 4.8	42	42	42	44	42	33
	500	613	0.124	0.140	6 - 9 - 17	34	2.54	289	30.9	34.8	1.8 - 2.7 - 5.3	44	44	45	46	45	38
	550	674	0.150	0.169	6 - 10 - 18	38	2.79	318	37.4	42.1	2.0 - 2.9 - 5.6	46	47	47	49	48	42
	600	736	0.179	0.201	7 - 10 - 19	41	3.05	347	44.5	50.1	2.1 - 3.2 - 5.9	48	49	49	51	51	45

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^{-12} 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.