

6690, 56690 (Return) Performance Data
IP/METRIC DATA: 6690, 56690, 12"x12" PANEL (NO DAMPER)

	IP Data				NC	Metric Data				Octave Band, dB						
	Neck Vel	Air Flow	Pv	Ps		Neck Vel	Air Flow	Pv	Ps	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG		m/s	L/s	Pa	Pa							
6"	300	59	0.006	-0.032	-	1.52	28	1.4	-7.9	37	20	-	-	-	-	
	400	78	0.010	-0.056	-	2.03	37	2.5	-14.0	39	24	16	11	-	-	
	500	98	0.016	-0.088	-	2.54	46	3.9	-21.9	40	28	21	16	-	-	
	600	118	0.022	-0.126	-	3.05	56	5.6	-31.5	41	30	25	20	15	-	
	700	137	0.031	-0.172	-	3.56	65	7.6	-42.8	41	33	28	23	19	12	
	800	157	0.040	-0.225	13	4.06	74	9.9	-55.9	42	35	30	26	23	17	
	900	177	0.051	-0.284	16	4.57	83	12.6	-70.8	43	37	33	28	26	22	
	1000	196	0.062	-0.351	19	5.08	93	15.5	-87.4	43	38	35	31	29	26	
	1100	216	0.075	-0.425	21	5.59	102	18.8	-105.8	44	40	37	33	31	29	

IP/METRIC DATA: 6690, 56690, 24"x12" PANEL (NO DAMPER)

	IP Data				NC	Metric Data				Octave Band, dB						
	Neck Vel	Air Flow	Pv	Ps		Neck Vel	Air Flow	Pv	Ps	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG		m/s	L/s	Pa	Pa							
6"	300	59	0.006	-0.032	-	1.52	28	1.4	-7.9	37	20	-	-	-	-	
	400	78	0.010	-0.056	-	2.03	37	2.5	-14.0	39	24	16	11	-	-	
	500	98	0.016	-0.088	-	2.54	46	3.9	-21.9	40	28	21	16	-	-	
	600	118	0.022	-0.126	-	3.05	56	5.6	-31.5	41	30	25	20	15	-	
	700	137	0.031	-0.172	-	3.56	65	7.6	-42.8	41	33	28	23	19	12	
	800	157	0.040	-0.225	13	4.06	74	9.9	-55.9	42	35	30	26	23	17	
	900	177	0.051	-0.284	16	4.57	83	12.6	-70.8	43	37	33	28	26	22	
	1000	196	0.062	-0.351	19	5.08	93	15.5	-87.4	43	38	35	31	29	26	
	1100	216	0.075	-0.425	21	5.59	102	18.8	-105.8	44	40	37	33	31	29	

IP/METRIC DATA: 6690, 16"x16" (NO DAMPER)

	IP Data				NC	Metric Data				Octave Band, dB						
	Neck Vel	Air Flow	Pv	Ps		Neck Vel	Air Flow	Pv	Ps	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG		m/s	L/s	Pa	Pa							
6"	300	59	0.006	-0.032	-	1.52	28	1.4	-7.9	37	20	-	-	-	-	
	400	78	0.010	-0.056	-	2.03	37	2.5	-14.0	39	24	16	11	-	-	
	500	98	0.016	-0.088	-	2.54	46	3.9	-21.9	40	28	21	16	-	-	
	600	118	0.022	-0.126	-	3.05	56	5.6	-31.5	41	30	25	20	15	-	
	700	137	0.031	-0.172	-	3.56	65	7.6	-42.8	41	33	28	23	19	12	
	800	157	0.040	-0.225	13	4.06	74	9.9	-55.9	42	35	30	26	23	17	
	900	177	0.051	-0.284	16	4.57	83	12.6	-70.8	43	37	33	28	26	22	
	1000	196	0.062	-0.351	19	5.08	93	15.5	-87.4	43	38	35	31	29	26	
	1100	216	0.075	-0.425	21	5.59	102	18.8	-105.8	44	40	37	33	31	29	
8"	300	105	0.006	-0.032	-	1.52	49	1.4	-7.9	39	21	12	-	-	-	
	400	140	0.010	-0.056	-	2.03	66	2.5	-14.0	41	25	17	13	-	-	
	500	174	0.016	-0.088	-	2.54	82	3.9	-21.8	42	28	22	18	13	-	
	600	209	0.022	-0.126	-	3.05	99	5.6	-31.4	43	31	26	22	18	-	
	700	244	0.031	-0.172	14	3.56	115	7.6	-42.8	44	34	29	25	22	16	
	800	279	0.040	-0.224	18	4.06	132	9.9	-55.9	44	36	31	28	26	21	
	900	314	0.051	-0.284	21	4.57	148	12.6	-70.7	45	37	34	30	29	25	
	1000	349	0.062	-0.351	23	5.08	165	15.5	-87.3	45	39	36	33	32	29	
10"	300	164	0.006	-0.032	-	1.52	77	1.4	-7.9	41	21	12	-	-	-	
	400	218	0.010	-0.056	-	2.03	103	2.5	-14.0	43	26	18	14	-	-	
	500	273	0.016	-0.088	-	2.54	129	3.9	-21.8	44	29	23	19	16	-	
	600	327	0.022	-0.126	14	3.05	154	5.6	-31.4	45	32	26	23	20	12	
	700	382	0.031	-0.172	18	3.56	180	7.6	-42.7	45	34	30	26	25	18	
	800	436	0.040	-0.224	21	4.06	206	9.9	-55.8	46	36	32	29	28	23	
	900	491	0.051	-0.284	24	4.57	231	12.6	-70.7	47	38	35	32	31	28	
	1000	545	0.062	-0.350	27	5.08	257	15.5	-87.2	47	40	37	34	34	32	
	1100	600	0.075	-0.424	29	5.59	283	18.8	-105.5	48	41	39	36	37	35	

NOTE: See page C1-90 for notes.

6690 (Return) Performance Data

IP/METRIC DATA: 6690, 20"x20" (NO DAMPER)

	IP Data				NC	Metric Data				Octave Band, dB						
	Neck Vel	Air Flow	Pv	Ps		Neck Vel	Air Flow	Pv	Ps	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG		m/s	L/s	Pa	Pa							
6"	300	59	0.006	-0.032	-	1.52	28	1.4	-7.9	37	20	-	-	-	-	
	400	78	0.010	-0.056	-	2.03	37	2.5	-14.0	39	24	16	11	-	-	
	500	98	0.016	-0.088	-	2.54	46	3.9	-21.9	40	28	21	16	-	-	
	600	118	0.022	-0.126	-	3.05	56	5.6	-31.5	41	30	25	20	15	-	
	700	137	0.031	-0.172	-	3.56	65	7.6	-42.8	41	33	28	23	19	12	
	800	157	0.040	-0.225	13	4.06	74	9.9	-55.9	42	35	30	26	23	17	
	900	177	0.051	-0.284	16	4.57	83	12.6	-70.8	43	37	33	28	26	22	
	1000	196	0.062	-0.351	19	5.08	93	15.5	-87.4	43	38	35	31	29	26	
8"	300	105	0.006	-0.032	-	1.52	49	1.4	-7.9	39	21	12	-	-	-	
	400	140	0.010	-0.056	-	2.03	66	2.5	-14.0	41	25	17	13	-	-	
	500	174	0.016	-0.088	-	2.54	82	3.9	-21.8	42	28	22	18	13	-	
	600	209	0.022	-0.126	-	3.05	99	5.6	-31.4	43	31	26	22	18	-	
	700	244	0.031	-0.172	14	3.56	115	7.6	-42.8	44	34	29	25	22	16	
	800	279	0.040	-0.224	18	4.06	132	9.9	-55.9	44	36	31	28	26	21	
	900	314	0.051	-0.284	21	4.57	148	12.6	-70.7	45	37	34	30	29	25	
	1000	349	0.062	-0.351	23	5.08	165	15.5	-87.3	45	39	36	33	32	29	
10"	300	164	0.006	-0.032	-	1.52	77	1.4	-7.9	41	21	12	-	-	-	
	400	218	0.010	-0.056	-	2.03	103	2.5	-14.0	43	26	18	14	-	-	
	500	273	0.016	-0.088	-	2.54	129	3.9	-21.8	44	29	23	19	16	-	
	600	327	0.022	-0.126	14	3.05	154	5.6	-31.4	45	32	26	23	20	12	
	700	382	0.031	-0.172	18	3.56	180	7.6	-42.7	45	34	30	26	25	18	
	800	436	0.040	-0.224	21	4.06	206	9.9	-55.8	46	36	32	29	28	23	
	900	491	0.051	-0.284	24	4.57	231	12.6	-70.7	47	38	35	32	31	28	
	1000	545	0.062	-0.350	27	5.08	257	15.5	-87.2	47	40	37	34	34	32	
12"	300	235	0.006	-0.031	-	1.52	111	1.4	-7.8	43	22	13	-	-	-	
	400	314	0.010	-0.056	-	2.03	148	2.5	-13.9	44	26	19	16	12	-	
	500	392	0.016	-0.087	12	2.54	185	3.9	-21.8	45	29	23	20	18	-	
	600	471	0.022	-0.126	16	3.05	222	5.6	-31.4	46	32	27	24	22	14	
	700	549	0.031	-0.171	20	3.56	259	7.6	-42.7	47	35	30	28	26	20	
	800	628	0.040	-0.224	24	4.06	296	9.9	-55.7	48	37	33	31	30	25	
	900	706	0.051	-0.283	27	4.57	333	12.6	-70.6	48	38	35	33	33	30	
	1000	785	0.062	-0.350	29	5.08	370	15.5	-87.1	49	40	37	35	36	34	
14"	300	320	0.006	-0.031	-	1.52	151	1.4	-7.8	44	22	14	-	-	-	
	400	427	0.010	-0.056	-	2.03	202	2.5	-13.9	45	27	20	17	13	-	
	500	534	0.016	-0.087	14	2.54	252	3.9	-21.7	46	30	24	21	19	-	
	600	641	0.022	-0.126	19	3.05	302	5.6	-31.3	47	33	28	25	24	16	
	700	748	0.031	-0.171	23	3.56	353	7.6	-42.6	48	35	31	29	28	22	
	800	855	0.040	-0.224	26	4.06	403	9.9	-55.7	49	37	34	32	32	27	
	900	961	0.051	-0.283	29	4.57	454	12.6	-70.4	49	39	36	34	35	31	
	1000	1068	0.062	-0.349	32	5.08	504	15.5	-87.0	50	40	38	36	38	35	
	1100	1175	0.075	-0.423	34	5.59	555	18.8	-105.2	50	42	40	38	40	39	

NOTES: NC values are based on octave band 2 - 7 sound power levels 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. See Krueger's selection software for performance data not shown, including octave band data.

PERFORATED FACE DIFFUSERS

6690, 56690 (Return) Performance Data
IP/METRIC DATA: 6690, 56690, 24"x24" (NO DAMPER)

	IP Data				NC	Metric Data				Octave Band, dB						
	Neck Vel	Air Flow	Pv	Ps		Neck Vel	Air Flow	Pv	Ps	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG		m/s	L/s	Pa	Pa							
6"	300	59	0.006	-0.032	-	1.52	28	1.4	-7.9	37	20	-	-	-	-	
	400	78	0.010	-0.056	-	2.03	37	2.5	-14.0	39	24	16	11	-	-	
	500	98	0.016	-0.088	-	2.54	46	3.9	-21.9	40	28	21	16	-	-	
	600	118	0.022	-0.126	-	3.05	56	5.6	-31.5	41	30	25	20	15	-	
	700	137	0.031	-0.172	-	3.56	65	7.6	-42.8	41	33	28	23	19	12	
	800	157	0.040	-0.225	13	4.06	74	9.9	-55.9	42	35	30	26	23	17	
	900	177	0.051	-0.284	16	4.57	83	12.6	-70.8	43	37	33	28	26	22	
	1000	196	0.062	-0.351	19	5.08	93	15.5	-87.4	43	38	35	31	29	26	
8"	300	105	0.006	-0.032	-	1.52	49	1.4	-7.9	39	21	12	-	-	-	
	400	140	0.010	-0.056	-	2.03	66	2.5	-14.0	41	25	17	13	-	-	
	500	174	0.016	-0.088	-	2.54	82	3.9	-21.8	42	28	22	18	13	-	
	600	209	0.022	-0.126	-	3.05	99	5.6	-31.4	43	31	26	22	18	-	
	700	244	0.031	-0.172	14	3.56	115	7.6	-42.8	44	34	29	25	22	16	
	800	279	0.040	-0.224	18	4.06	132	9.9	-55.9	44	36	31	28	26	21	
	900	314	0.051	-0.284	21	4.57	148	12.6	-70.7	45	37	34	30	29	25	
	1000	349	0.062	-0.351	23	5.08	165	15.5	-87.3	45	39	36	33	32	29	
10"	300	164	0.006	-0.032	-	1.52	77	1.4	-7.9	41	21	12	-	-	-	
	400	218	0.010	-0.056	-	2.03	103	2.5	-14.0	43	26	18	14	-	-	
	500	273	0.016	-0.088	-	2.54	129	3.9	-21.8	44	29	23	19	16	-	
	600	327	0.022	-0.126	14	3.05	154	5.6	-31.4	45	32	26	23	20	12	
	700	382	0.031	-0.172	18	3.56	180	7.6	-42.7	45	34	30	26	25	18	
	800	436	0.040	-0.224	21	4.06	206	9.9	-55.8	46	36	32	29	28	23	
	900	491	0.051	-0.284	24	4.57	231	12.6	-70.7	47	38	35	32	31	28	
	1000	545	0.062	-0.350	27	5.08	257	15.5	-87.2	47	40	37	34	34	32	
12"	300	235	0.006	-0.031	-	1.52	111	1.4	-7.8	43	22	13	-	-	-	
	400	314	0.010	-0.056	-	2.03	148	2.5	-13.9	44	26	19	16	12	-	
	500	392	0.016	-0.087	12	2.54	185	3.9	-21.8	45	29	23	20	18	-	
	600	471	0.022	-0.126	16	3.05	222	5.6	-31.4	46	32	27	24	22	14	
	700	549	0.031	-0.171	20	3.56	259	7.6	-42.7	47	35	30	28	26	20	
	800	628	0.040	-0.224	24	4.06	296	9.9	-55.7	48	37	33	31	30	25	
	900	706	0.051	-0.283	27	4.57	333	12.6	-70.6	48	38	35	33	33	30	
	1000	785	0.062	-0.350	29	5.08	370	15.5	-87.1	49	40	37	35	36	34	
14"	300	320	0.006	-0.031	-	1.52	151	1.4	-7.8	44	22	14	-	-	-	
	400	427	0.010	-0.056	-	2.03	202	2.5	-13.9	45	27	20	17	13	-	
	500	534	0.016	-0.087	14	2.54	252	3.9	-21.7	46	30	24	21	19	-	
	600	641	0.022	-0.126	19	3.05	302	5.6	-31.3	47	33	28	25	24	16	
	700	748	0.031	-0.171	23	3.56	353	7.6	-42.6	48	35	31	29	28	22	
	800	855	0.040	-0.224	26	4.06	403	9.9	-55.7	49	37	34	32	32	27	
	900	961	0.051	-0.283	29	4.57	454	12.6	-70.4	49	39	36	34	35	31	
	1000	1068	0.062	-0.349	32	5.08	504	15.5	-87.0	50	40	38	36	38	35	
16"	300	419	0.006	-0.031	-	1.52	198	1.4	-7.8	45	23	14	11	-	-	
	400	558	0.010	-0.056	-	2.03	263	2.5	-13.9	46	27	20	17	15	-	
	500	698	0.016	-0.087	16	2.54	329	3.9	-21.7	48	30	25	22	21	11	
	600	837	0.022	-0.125	21	3.05	395	5.6	-31.2	48	33	28	26	25	18	
	700	977	0.031	-0.171	25	3.56	461	7.6	-42.5	49	35	31	30	29	23	
	800	1116	0.040	-0.223	28	4.06	527	9.9	-55.5	50	37	34	32	33	28	
	900	1256	0.051	-0.282	31	4.57	593	12.6	-70.3	50	39	36	35	36	33	
	1000	1395	0.062	-0.349	34	5.08	658	15.5	-86.8	51	41	39	37	39	37	
	1100	1535	0.075	-0.422	36	5.59	724	18.8	-105.0	51	42	40	39	42	40	

NOTES: NC values are based on octave band 2 - 7 sound power levels 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. See Krueger's selection software for performance data not shown, including octave band data.

6690, 56690 (Return) Performance Data

IP/METRIC DATA: 6690, 56690, 24"x48" (NO DAMPER)

PERFORATED FACE DIFFUSERS

	IP Data				NC	Metric Data				Octave Band, dB						
	Neck Vel	Air Flow	Pv	Ps		Neck Vel	Air Flow	Pv	Ps	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG		m/s	L/s	Pa	Pa							
6"	300	59	0.006	-0.032	-	1.52	28	1.4	-7.9	37	20	-	-	-	-	
	400	78	0.010	-0.056	-	2.03	37	2.5	-14.0	39	24	16	11	-	-	
	500	98	0.016	-0.088	-	2.54	46	3.9	-21.9	40	28	21	16	-	-	
	600	118	0.022	-0.126	-	3.05	56	5.6	-31.5	41	30	25	20	15	-	
	700	137	0.031	-0.172	-	3.56	65	7.6	-42.8	41	33	28	23	19	12	
	800	157	0.040	-0.225	13	4.06	74	9.9	-55.9	42	35	30	26	23	17	
	900	177	0.051	-0.284	16	4.57	83	12.6	-70.8	43	37	33	28	26	22	
	1000	196	0.062	-0.351	19	5.08	93	15.5	-87.4	43	38	35	31	29	26	
1100	216	0.075	-0.425	21	5.59	102	18.8	-105.8	44	40	37	33	31	29		
8"	300	105	0.006	-0.032	-	1.52	49	1.4	-7.9	39	21	12	-	-	-	
	400	140	0.010	-0.056	-	2.03	66	2.5	-14.0	41	25	17	13	-	-	
	500	174	0.016	-0.088	-	2.54	82	3.9	-21.8	42	28	22	18	13	-	
	600	209	0.022	-0.126	-	3.05	99	5.6	-31.4	43	31	26	22	18	-	
	700	244	0.031	-0.172	14	3.56	115	7.6	-42.8	44	34	29	25	22	16	
	800	279	0.040	-0.224	18	4.06	132	9.9	-55.9	44	36	31	28	26	21	
	900	314	0.051	-0.284	21	4.57	148	12.6	-70.7	45	37	34	30	29	25	
	1000	349	0.062	-0.351	23	5.08	165	15.5	-87.3	45	39	36	33	32	29	
1100	384	0.075	-0.424	26	5.59	181	18.8	-105.7	46	40	38	35	34	33		
10"	300	164	0.006	-0.032	-	1.52	77	1.4	-7.9	41	21	12	-	-	-	
	400	218	0.010	-0.056	-	2.03	103	2.5	-14.0	43	26	18	14	-	-	
	500	273	0.016	-0.088	-	2.54	129	3.9	-21.8	44	29	23	19	16	-	
	600	327	0.022	-0.126	14	3.05	154	5.6	-31.4	45	32	26	23	20	12	
	700	382	0.031	-0.172	18	3.56	180	7.6	-42.7	45	34	30	26	25	18	
	800	436	0.040	-0.224	21	4.06	206	9.9	-55.8	46	36	32	29	28	23	
	900	491	0.051	-0.284	24	4.57	231	12.6	-70.7	47	38	35	32	31	28	
	1000	545	0.062	-0.350	27	5.08	257	15.5	-87.2	47	40	37	34	34	32	
1100	600	0.075	-0.424	29	5.59	283	18.8	-105.5	48	41	39	36	37	35		
12"	300	235	0.006	-0.031	-	1.52	111	1.4	-7.8	43	22	13	-	-	-	
	400	314	0.010	-0.056	-	2.03	148	2.5	-13.9	44	26	19	16	12	-	
	500	392	0.016	-0.087	12	2.54	185	3.9	-21.8	45	29	23	20	18	-	
	600	471	0.022	-0.126	16	3.05	222	5.6	-31.4	46	32	27	24	22	14	
	700	549	0.031	-0.171	20	3.56	259	7.6	-42.7	47	35	30	28	26	20	
	800	628	0.040	-0.224	24	4.06	296	9.9	-55.7	48	37	33	31	30	25	
	900	706	0.051	-0.283	27	4.57	333	12.6	-70.6	48	38	35	33	33	30	
	1000	785	0.062	-0.350	29	5.08	370	15.5	-87.1	49	40	37	35	36	34	
1150	903	0.082	-0.463	33	5.84	426	20.5	-115.2	49	42	40	38	40	39		
14"	300	320	0.006	-0.031	-	1.52	151	1.4	-7.8	44	22	14	-	-	-	
	400	427	0.010	-0.056	-	2.03	202	2.5	-13.9	45	27	20	17	13	-	
	500	534	0.016	-0.087	14	2.54	252	3.9	-21.7	46	30	24	21	19	-	
	600	641	0.022	-0.126	19	3.05	302	5.6	-31.3	47	33	28	25	24	16	
	700	748	0.031	-0.171	23	3.56	353	7.6	-42.6	48	35	31	29	28	22	
	800	855	0.040	-0.224	26	4.06	403	9.9	-55.7	49	37	34	32	32	27	
	900	961	0.051	-0.283	29	4.57	454	12.6	-70.4	49	39	36	34	35	31	
	1000	1068	0.062	-0.349	32	5.08	504	15.5	-87.0	50	40	38	36	38	35	
1100	1175	0.075	-0.423	34	5.59	555	18.8	-105.2	50	42	40	38	40	39		
16"	300	419	0.006	-0.031	-	1.52	198	1.4	-7.8	45	23	14	11	-	-	
	400	558	0.010	-0.056	-	2.03	263	2.5	-13.9	46	27	20	17	15	-	
	500	698	0.016	-0.087	16	2.54	329	3.9	-21.7	48	30	25	22	21	11	
	600	837	0.022	-0.125	21	3.05	395	5.6	-31.2	48	33	28	26	25	18	
	700	977	0.031	-0.171	25	3.56	461	7.6	-42.5	49	35	31	30	29	23	
	800	1116	0.040	-0.223	28	4.06	527	9.9	-55.5	50	37	34	32	33	28	
	900	1256	0.051	-0.282	31	4.57	593	12.6	-70.3	50	39	36	35	36	33	
	1000	1395	0.062	-0.349	34	5.08	658	15.5	-86.8	51	41	39	37	39	37	
1100	1535	0.075	-0.422	36	5.59	724	18.8	-105.0	51	42	40	39	42	40		

NOTES: NC values are based on octave band 2 - 7 sound power levels 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. See Krueger's selection software for performance data not shown, including octave band data.

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