

6490, 56490 (Return) Performance Data

IP/METRIC DATA: 6490, 56490, 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" x 6"	300	75	0.006	-0.032	-	1.52	35	1.4	-7.9	38	20	11	-	-	-	
	400	100	0.010	-0.056	-	2.03	47	2.5	-14.0	40	25	17	12	-	-	
	500	125	0.016	-0.088	-	2.54	59	3.9	-21.8	41	28	21	17	12	-	
	600	150	0.022	-0.126	-	3.05	71	5.6	-31.5	42	31	25	20	16	-	
	700	175	0.031	-0.172	12	3.56	83	7.6	-42.8	42	33	28	24	20	14	
	800	200	0.040	-0.225	15	4.06	94	9.9	-55.9	43	35	31	27	24	19	
	900	225	0.051	-0.284	18	4.57	106	12.6	-70.8	44	37	33	29	27	23	
	1000	250	0.062	-0.351	21	5.08	118	15.5	-87.4	44	38	35	32	30	27	
10" x 10"	1100	275	0.075	-0.425	23	5.59	130	18.8	-105.7	45	40	37	34	33	31	
	300	208	0.006	-0.032	-	1.52	98	1.4	-7.8	42	22	13	-	-	-	
	400	278	0.010	-0.056	-	2.03	131	2.5	-13.9	44	26	19	15	11	-	
	500	347	0.016	-0.088	-	2.54	164	3.9	-21.8	45	29	23	20	17	-	
	600	417	0.022	-0.126	16	3.05	197	5.6	-31.4	46	32	27	24	22	14	
	700	486	0.031	-0.172	19	3.56	229	7.6	-42.7	46	34	30	27	26	20	
	800	556	0.040	-0.224	23	4.06	262	9.9	-55.8	47	36	33	30	29	25	
	900	625	0.051	-0.284	26	4.57	295	12.6	-70.6	48	38	35	33	33	29	
1000	694	0.062	-0.350	28	5.08	328	15.5	-87.1	48	40	37	35	35	33		
	1100	764	0.075	-0.424	31	5.59	361	18.8	-105.5	49	41	39	37	38	36	

IP/METRIC DATA: 6490, 56490, 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" x 6"	300	75	0.006	-0.032	-	1.52	35	1.4	-7.9	38	20	11	-	-	-	
	400	100	0.010	-0.056	-	2.03	47	2.5	-14.0	40	25	17	12	-	-	
	500	125	0.016	-0.088	-	2.54	59	3.9	-21.8	41	28	21	17	12	-	
	600	150	0.022	-0.126	-	3.05	71	5.6	-31.5	42	31	25	20	16	-	
	700	175	0.031	-0.172	12	3.56	83	7.6	-42.8	42	33	28	24	20	14	
	800	200	0.040	-0.225	15	4.06	94	9.9	-55.9	43	35	31	27	24	19	
	900	225	0.051	-0.284	18	4.57	106	12.6	-70.8	44	37	33	29	27	23	
	1000	250	0.062	-0.351	21	5.08	118	15.5	-87.4	44	38	35	32	30	27	
18" x 6"	1100	275	0.075	-0.425	23	5.59	130	18.8	-105.7	45	40	37	34	33	31	
	300	225	0.006	-0.031	-	1.52	106	1.4	-7.8	42	22	13	-	-	-	
	400	300	0.010	-0.056	-	2.03	142	2.5	-13.9	44	26	19	15	11	-	
	500	375	0.016	-0.087	11	2.54	177	3.9	-21.8	45	29	23	20	17	-	
	600	450	0.022	-0.126	16	3.05	212	5.6	-31.4	46	32	27	24	22	14	
	700	525	0.031	-0.171	20	3.56	248	7.6	-42.7	47	35	30	27	26	20	
	800	600	0.040	-0.224	23	4.06	283	9.9	-55.8	47	37	33	30	30	25	
	900	675	0.051	-0.283	26	4.57	319	12.6	-70.6	48	38	35	33	33	29	
1000	750	0.062	-0.350	29	5.08	354	15.5	-87.1	48	40	37	35	36	33		
	1100	825	0.075	-0.423	31	5.59	389	18.8	-105.4	49	41	39	37	38	37	
22" x 10"	300	458	0.006	-0.031	-	1.52	216	1.4	-7.8	45	23	14	12	-	-	
	400	611	0.010	-0.056	11	2.03	288	2.5	-13.9	47	27	20	18	15	-	
	500	764	0.016	-0.087	17	2.54	361	3.9	-21.7	48	30	25	23	21	11	
	600	917	0.022	-0.125	21	3.05	433	5.6	-31.2	49	33	28	27	26	18	
	700	1069	0.031	-0.171	25	3.56	505	7.6	-42.5	50	35	32	30	30	24	
	800	1222	0.040	-0.223	29	4.06	577	9.9	-55.5	50	38	34	33	34	29	
	900	1375	0.051	-0.282	32	4.57	649	12.6	-70.2	51	39	37	35	37	33	
	1000	1528	0.062	-0.348	34	5.08	721	15.5	-86.7	51	41	39	38	39	37	
1100	1681	0.075	-0.421	37	5.59	793	18.8	-104.9	52	42	41	40	42	41		

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

6490-15490

© KRUEGER 2012

6490 (Return) Performance Data

IP/METRIC DATA: 6490, 16"x16" 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" x 6"	300	75	0.006	-0.032	-	1.52	35	1.4	-7.9	38	20	11	-	-	-	
	400	100	0.010	-0.056	-	2.03	47	2.5	-14.0	40	25	17	12	-	-	
	500	125	0.016	-0.088	-	2.54	59	3.9	-21.8	41	28	21	17	12	-	
	600	150	0.022	-0.126	-	3.05	71	5.6	-31.5	42	31	25	20	16	-	
	700	175	0.031	-0.172	12	3.56	83	7.6	-42.8	42	33	28	24	20	14	
	800	200	0.040	-0.225	15	4.06	94	9.9	-55.9	43	35	31	27	24	19	
	900	225	0.051	-0.284	18	4.57	106	12.6	-70.8	44	37	33	29	27	23	
	1000	250	0.062	-0.351	21	5.08	118	15.5	-87.4	44	38	35	32	30	27	
8" x 8"	300	133	0.006	-0.032	-	1.52	63	1.4	-7.9	40	21	12	-	-	-	
	400	178	0.010	-0.056	-	2.03	84	2.5	-14.0	42	25	18	14	-	-	
	500	222	0.016	-0.088	-	2.54	105	3.9	-21.8	43	29	22	18	15	-	
	600	267	0.022	-0.126	12	3.05	126	5.6	-31.4	44	31	26	22	19	11	
	700	311	0.031	-0.172	16	3.56	147	7.6	-42.8	45	34	29	26	23	17	
	800	356	0.040	-0.224	19	4.06	168	9.9	-55.9	45	36	32	29	27	22	
	900	400	0.051	-0.284	22	4.57	189	12.6	-70.7	46	38	34	31	30	26	
	1000	444	0.062	-0.351	25	5.08	210	15.5	-87.3	46	39	36	33	33	30	
10" x 10"	300	208	0.006	-0.032	-	1.52	98	1.4	-7.8	42	22	13	-	-	-	
	400	278	0.010	-0.056	-	2.03	131	2.5	-13.9	44	26	19	15	11	-	
	500	347	0.016	-0.088	-	2.54	164	3.9	-21.8	45	29	23	20	17	-	
	600	417	0.022	-0.126	16	3.05	197	5.6	-31.4	46	32	27	24	22	14	
	700	486	0.031	-0.172	19	3.56	229	7.6	-42.7	46	34	30	27	26	20	
	800	556	0.040	-0.224	23	4.06	262	9.9	-55.8	47	36	33	30	29	25	
	900	625	0.051	-0.284	26	4.57	295	12.6	-70.6	48	38	35	33	33	29	
	1000	694	0.062	-0.350	28	5.08	328	15.5	-87.1	48	40	37	35	35	33	
14" x 14"	300	408	0.006	-0.031	-	1.52	193	1.4	-7.8	45	22	14	11	-	-	
	400	544	0.010	-0.056	-	2.03	257	2.5	-13.9	46	27	20	17	14	-	
	500	681	0.016	-0.087	16	2.54	321	3.9	-21.7	47	30	24	22	20	11	
	600	817	0.022	-0.126	21	3.05	385	5.6	-31.3	48	33	28	26	25	18	
	700	953	0.031	-0.171	24	3.56	450	7.6	-42.5	49	35	31	29	29	23	
	800	1089	0.040	-0.223	28	4.06	514	9.9	-55.6	50	37	34	32	33	28	
	900	1225	0.051	-0.282	31	4.57	578	12.6	-70.3	50	39	36	35	36	33	
	1000	1361	0.062	-0.349	33	5.08	642	15.5	-86.8	51	41	39	37	39	37	
	1100	1497	0.075	-0.422	36	5.59	707	18.8	-105.0	51	42	40	39	41	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.

6490 (Return) Performance Data

IP/METRIC DATA: 6490, 20"x20" 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" x 6"	300	75	0.006	-0.032	-	1.52	35	1.4	-7.9	38	20	11	-	-	-	
	400	100	0.010	-0.056	-	2.03	47	2.5	-14.0	40	25	17	12	-	-	
	500	125	0.016	-0.088	-	2.54	59	3.9	-21.8	41	28	21	17	12	-	
	600	150	0.022	-0.126	-	3.05	71	5.6	-31.5	42	31	25	20	16	-	
	700	175	0.031	-0.172	12	3.56	83	7.6	-42.8	42	33	28	24	20	14	
	800	200	0.040	-0.225	15	4.06	94	9.9	-55.9	43	35	31	27	24	19	
	900	225	0.051	-0.284	18	4.57	106	12.6	-70.8	44	37	33	29	27	23	
	1000	250	0.062	-0.351	21	5.08	118	15.5	-87.4	44	38	35	32	30	27	
8" x 8"	300	133	0.006	-0.032	-	1.52	63	1.4	-7.9	40	21	12	-	-	-	
	400	178	0.010	-0.056	-	2.03	84	2.5	-14.0	42	25	18	14	-	-	
	500	222	0.016	-0.088	-	2.54	105	3.9	-21.8	43	29	22	18	15	-	
	600	267	0.022	-0.126	12	3.05	126	5.6	-31.4	44	31	26	22	19	11	
	700	311	0.031	-0.172	16	3.56	147	7.6	-42.8	45	34	29	26	23	17	
	800	356	0.040	-0.224	19	4.06	168	9.9	-55.9	45	36	32	29	27	22	
	900	400	0.051	-0.284	22	4.57	189	12.6	-70.7	46	38	34	31	30	26	
	1000	444	0.062	-0.351	25	5.08	210	15.5	-87.3	46	39	36	33	33	30	
10" x 10"	300	208	0.006	-0.032	-	1.52	98	1.4	-7.8	42	22	13	-	-	-	
	400	278	0.010	-0.056	-	2.03	131	2.5	-13.9	44	26	19	15	11	-	
	500	347	0.016	-0.088	-	2.54	164	3.9	-21.8	45	29	23	20	17	-	
	600	417	0.022	-0.126	16	3.05	197	5.6	-31.4	46	32	27	24	22	14	
	700	486	0.031	-0.172	19	3.56	229	7.6	-42.7	46	34	30	27	26	20	
	800	556	0.040	-0.224	23	4.06	262	9.9	-55.8	47	36	33	30	29	25	
	900	625	0.051	-0.284	26	4.57	295	12.6	-70.6	48	38	35	33	33	29	
	1000	694	0.062	-0.350	28	5.08	328	15.5	-87.1	48	40	37	35	35	33	
12" x 12"	300	408	0.006	-0.031	-	1.52	193	1.4	-7.8	45	22	14	11	-	-	
	400	544	0.010	-0.056	-	2.03	257	2.5	-13.9	46	27	20	17	14	-	
	500	681	0.016	-0.087	16	2.54	321	3.9	-21.7	47	30	24	22	20	11	
	600	817	0.022	-0.126	21	3.05	385	5.6	-31.3	48	33	28	26	25	18	
	700	953	0.031	-0.171	24	3.56	450	7.6	-42.5	49	35	31	29	29	23	
	800	1089	0.040	-0.223	28	4.06	514	9.9	-55.6	50	37	34	32	33	28	
	900	1225	0.051	-0.282	31	4.57	578	12.6	-70.3	50	39	36	35	36	33	
	1000	1361	0.062	-0.349	33	5.08	642	15.5	-86.8	51	41	39	37	39	37	
18" x 18"	300	675	0.006	-0.031	-	1.52	319	1.4	-7.8	47	23	15	13	-	-	
	400	900	0.010	-0.055	14	2.03	425	2.5	-13.8	48	28	21	19	17	-	
	500	1125	0.016	-0.087	20	2.54	531	3.9	-21.6	49	31	25	24	23	13	
	600	1350	0.022	-0.125	24	3.05	637	5.6	-31.1	50	34	29	28	28	20	
	700	1575	0.031	-0.170	28	3.56	743	7.6	-42.3	51	36	32	31	32	26	
	800	1800	0.040	-0.222	32	4.06	850	9.9	-55.3	52	38	35	34	36	31	
	900	2025	0.051	-0.281	35	4.57	956	12.6	-69.9	52	40	37	37	39	36	
	1000	2250	0.062	-0.347	37	5.08	1062	15.5	-86.4	53	41	39	39	42	39	
1100	2475	0.075	-0.420	40	5.59	1168	18.8	-104.5	53	43	41	41	44	43		

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

6490, 56490 (Return) Performance Data

IP/METRIC DATA: 6490, 56490, 24"x24" 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" x 6"	300	75	0.006	-0.032	-	1.52	35	1.4	-7.9	38	20	11	-	-	-	
	400	100	0.010	-0.056	-	2.03	47	2.5	-14.0	40	25	17	12	-	-	
	500	125	0.016	-0.088	-	2.54	59	3.9	-21.8	41	28	21	17	12	-	
	600	150	0.022	-0.126	-	3.05	71	5.6	-31.5	42	31	25	20	16	-	
	700	175	0.031	-0.172	12	3.56	83	7.6	-42.8	42	33	28	24	20	14	
	800	200	0.040	-0.225	15	4.06	94	9.9	-55.9	43	35	31	27	24	19	
	900	225	0.051	-0.284	18	4.57	106	12.6	-70.8	44	37	33	29	27	23	
	1000	250	0.062	-0.351	21	5.08	118	15.5	-87.4	44	38	35	32	30	27	
	1100	275	0.075	-0.425	23	5.59	130	18.8	-105.7	45	40	37	34	33	31	
8" x 8"	300	133	0.006	-0.032	-	1.52	63	1.4	-7.9	40	21	12	-	-	-	
	400	178	0.010	-0.056	-	2.03	84	2.5	-14.0	42	25	18	14	-	-	
	500	222	0.016	-0.088	-	2.54	105	3.9	-21.8	43	29	22	18	15	-	
	600	267	0.022	-0.126	12	3.05	126	5.6	-31.4	44	31	26	22	19	11	
	700	311	0.031	-0.172	16	3.56	147	7.6	-42.8	45	34	29	26	23	17	
	800	356	0.040	-0.224	19	4.06	168	9.9	-55.9	45	36	32	29	27	22	
	900	400	0.051	-0.284	22	4.57	189	12.6	-70.7	46	38	34	31	30	26	
	1000	444	0.062	-0.351	25	5.08	210	15.5	-87.3	46	39	36	33	33	30	
1100	489	0.075	-0.424	28	5.59	231	18.8	-105.6	47	41	38	36	36	34		
10" x 10"	300	208	0.006	-0.032	-	1.52	98	1.4	-7.8	42	22	13	-	-	-	
	400	278	0.010	-0.056	-	2.03	131	2.5	-13.9	44	26	19	15	11	-	
	500	347	0.016	-0.088	-	2.54	164	3.9	-21.8	45	29	23	20	17	-	
	600	417	0.022	-0.126	16	3.05	197	5.6	-31.4	46	32	27	24	22	14	
	700	486	0.031	-0.172	19	3.56	229	7.6	-42.7	46	34	30	27	26	20	
	800	556	0.040	-0.224	23	4.06	262	9.9	-55.8	47	36	33	30	29	25	
	900	625	0.051	-0.284	26	4.57	295	12.6	-70.6	48	38	35	33	33	29	
	1000	694	0.062	-0.350	28	5.08	328	15.5	-87.1	48	40	37	35	35	33	
1100	764	0.075	-0.424	31	5.59	361	18.8	-105.5	49	41	39	37	38	36		
12" x 12"	300	300	0.006	-0.031	-	1.52	142	1.4	-7.8	44	22	14	-	-	-	
	400	400	0.010	-0.056	-	2.03	189	2.5	-13.9	45	26	19	16	13	-	
	500	500	0.016	-0.087	14	2.54	236	3.9	-21.7	46	30	24	21	19	-	
	600	600	0.022	-0.126	18	3.05	283	5.6	-31.3	47	33	28	25	24	16	
	700	700	0.031	-0.171	22	3.56	330	7.6	-42.6	48	35	31	28	28	22	
	800	800	0.040	-0.224	26	4.06	378	9.9	-55.7	49	37	33	31	31	27	
	900	900	0.051	-0.283	28	4.57	425	12.6	-70.5	49	39	36	34	34	31	
	1000	1000	0.062	-0.349	31	5.08	472	15.5	-87.0	50	40	38	36	37	35	
1100	1100	0.075	-0.423	34	5.59	519	18.8	-105.3	50	42	40	38	40	38		
14" x 14"	300	408	0.006	-0.031	-	1.52	193	1.4	-7.8	45	22	14	11	-	-	
	400	544	0.010	-0.056	-	2.03	257	2.5	-13.9	46	27	20	17	14	-	
	500	681	0.016	-0.087	16	2.54	321	3.9	-21.7	47	30	24	22	20	11	
	600	817	0.022	-0.126	21	3.05	385	5.6	-31.3	48	33	28	26	25	18	
	700	953	0.031	-0.171	24	3.56	450	7.6	-42.5	49	35	31	29	29	23	
	800	1089	0.040	-0.223	28	4.06	514	9.9	-55.6	50	37	34	32	33	28	
	900	1225	0.051	-0.282	31	4.57	578	12.6	-70.3	50	39	36	35	36	33	
	1000	1361	0.062	-0.349	33	5.08	642	15.5	-86.8	51	41	39	37	39	37	
1100	1497	0.075	-0.422	36	5.59	707	18.8	-105.0	51	42	40	39	41	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.

PERFORATED FACE DIFFUSERS

 6
4
9
0
-
5
6
4
9
0

6490, 56490 (Return) Performance Data

IP/METRIC DATA: 6490, 56490, 24"x24" 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							
15" x 15"	300	469	0.006	-0.031	-	1.52	221	1.4	-7.8	45	23	14	12	-	-	
	400	625	0.010	-0.056	11	2.03	295	2.5	-13.9	47	27	20	18	15	-	
	500	781	0.016	-0.087	17	2.54	369	3.9	-21.7	48	30	25	23	21	11	
	600	938	0.022	-0.125	22	3.05	442	5.6	-31.2	49	33	28	27	26	18	
	700	1094	0.031	-0.171	25	3.56	516	7.6	-42.5	50	36	32	30	30	24	
	800	1250	0.040	-0.223	29	4.06	590	9.9	-55.5	50	38	34	33	34	29	
	900	1406	0.051	-0.282	32	4.57	664	12.6	-70.2	51	39	37	35	37	33	
	1000	1563	0.062	-0.348	34	5.08	737	15.5	-86.7	51	41	39	38	40	37	
16" x 16"	300	533	0.006	-0.031	-	1.52	252	1.4	-7.8	46	23	15	12	-	-	
	400	711	0.010	-0.056	12	2.03	336	2.5	-13.9	47	27	20	18	16	-	
	500	889	0.016	-0.087	18	2.54	420	3.9	-21.6	48	31	25	23	22	12	
	600	1067	0.022	-0.125	23	3.05	503	5.6	-31.2	49	33	29	27	27	19	
	700	1244	0.031	-0.170	26	3.56	587	7.6	-42.4	50	36	32	30	31	25	
	800	1422	0.040	-0.223	30	4.06	671	9.9	-55.4	51	38	35	33	34	30	
	900	1600	0.051	-0.282	33	4.57	755	12.6	-70.1	51	40	37	36	37	34	
	1000	1778	0.062	-0.348	35	5.08	839	15.5	-86.6	52	41	39	38	40	38	
18" x 18"	300	675	0.006	-0.031	-	1.52	319	1.4	-7.8	47	23	15	13	-	-	
	400	900	0.010	-0.055	14	2.03	425	2.5	-13.8	48	28	21	19	17	-	
	500	1125	0.016	-0.087	20	2.54	531	3.9	-21.6	49	31	25	24	23	13	
	600	1350	0.022	-0.125	24	3.05	637	5.6	-31.1	50	34	29	28	28	20	
	700	1575	0.031	-0.170	28	3.56	743	7.6	-42.3	51	36	32	31	32	26	
	800	1800	0.040	-0.222	32	4.06	850	9.9	-55.3	52	38	35	34	36	31	
	900	2025	0.051	-0.281	35	4.57	956	12.6	-69.9	52	40	37	37	39	36	
	1000	2250	0.062	-0.347	37	5.08	1062	15.5	-86.4	53	41	39	39	42	39	
22" x 22"	300	1008	0.006	-0.031	-	1.52	476	1.4	-7.7	48	24	16	14	12	-	
	400	1344	0.010	-0.055	17	2.03	635	2.5	-13.7	50	28	22	20	19	-	
	500	1681	0.016	-0.086	23	2.54	793	3.9	-21.4	51	31	26	25	25	16	
	600	2017	0.022	-0.124	27	3.05	952	5.6	-30.9	52	34	30	29	30	23	
	700	2353	0.031	-0.169	31	3.56	1110	7.6	-42.0	53	37	33	33	34	28	
	800	2689	0.040	-0.220	35	4.06	1269	9.9	-54.9	53	39	36	35	38	33	
	900	3025	0.051	-0.279	38	4.57	1428	12.6	-69.5	54	40	38	38	41	38	
	1000	3361	0.062	-0.345	40	5.08	1586	15.5	-85.8	54	42	40	40	44	42	
	1100	3697	0.075	-0.417	43	5.59	1745	18.8	-103.8	55	43	42	42	46	45	

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

6
4
9
0
-
5
6
4
9
0

© KRUEGER 2012

6490, 56490 (Return) Performance Data
IP/METRIC DATA: 6490, 56490, 24"x48" 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" x 6"	300	75	0.006	-0.032	-	1.52	35	1.4	-7.9	38	20	11	-	-	-	
	400	100	0.010	-0.056	-	2.03	47	2.5	-14.0	40	25	17	12	-	-	
	500	125	0.016	-0.088	-	2.54	59	3.9	-21.8	41	28	21	17	12	-	
	600	150	0.022	-0.126	-	3.05	71	5.6	-31.5	42	31	25	20	16	-	
	700	175	0.031	-0.172	12	3.56	83	7.6	-42.8	42	33	28	24	20	14	
	800	200	0.040	-0.225	15	4.06	94	9.9	-55.9	43	35	31	27	24	19	
	900	225	0.051	-0.284	18	4.57	106	12.6	-70.8	44	37	33	29	27	23	
	1000	250	0.062	-0.351	21	5.08	118	15.5	-87.4	44	38	35	32	30	27	
	1100	275	0.075	-0.425	23	5.59	130	18.8	-105.7	45	40	37	34	33	31	
8" x 8"	300	133	0.006	-0.032	-	1.52	63	1.4	-7.9	40	21	12	-	-	-	
	400	178	0.010	-0.056	-	2.03	84	2.5	-14.0	42	25	18	14	-	-	
	500	222	0.016	-0.088	-	2.54	105	3.9	-21.8	43	29	22	18	15	-	
	600	267	0.022	-0.126	12	3.05	126	5.6	-31.4	44	31	26	22	19	11	
	700	311	0.031	-0.172	16	3.56	147	7.6	-42.8	45	34	29	26	23	17	
	800	356	0.040	-0.224	19	4.06	168	9.9	-55.9	45	36	32	29	27	22	
	900	400	0.051	-0.284	22	4.57	189	12.6	-70.7	46	38	34	31	30	26	
	1000	444	0.062	-0.351	25	5.08	210	15.5	-87.3	46	39	36	33	33	30	
	1100	489	0.075	-0.424	28	5.59	231	18.8	-105.6	47	41	38	36	36	34	
10" x 10"	300	208	0.006	-0.032	-	1.52	98	1.4	-7.8	42	22	13	-	-	-	
	400	278	0.010	-0.056	-	2.03	131	2.5	-13.9	44	26	19	15	11	-	
	500	347	0.016	-0.088	-	2.54	164	3.9	-21.8	45	29	23	20	17	-	
	600	417	0.022	-0.126	16	3.05	197	5.6	-31.4	46	32	27	24	22	14	
	700	486	0.031	-0.172	19	3.56	229	7.6	-42.7	46	34	30	27	26	20	
	800	556	0.040	-0.224	23	4.06	262	9.9	-55.8	47	36	33	30	29	25	
	900	625	0.051	-0.284	26	4.57	295	12.6	-70.6	48	38	35	33	33	29	
	1000	694	0.062	-0.350	28	5.08	328	15.5	-87.1	48	40	37	35	35	33	
	1100	764	0.075	-0.424	31	5.59	361	18.8	-105.5	49	41	39	37	38	36	
12" x 12"	300	300	0.006	-0.031	-	1.52	142	1.4	-7.8	44	22	14	-	-	-	
	400	400	0.010	-0.056	-	2.03	189	2.5	-13.9	45	26	19	16	13	-	
	500	500	0.016	-0.087	14	2.54	236	3.9	-21.7	46	30	24	21	19	-	
	600	600	0.022	-0.126	18	3.05	283	5.6	-31.3	47	33	28	25	24	16	
	700	700	0.031	-0.171	22	3.56	330	7.6	-42.6	48	35	31	28	28	22	
	800	800	0.040	-0.224	26	4.06	378	9.9	-55.7	49	37	33	31	31	27	
	900	900	0.051	-0.283	28	4.57	425	12.6	-70.5	49	39	36	34	34	31	
	1000	1000	0.062	-0.349	31	5.08	472	15.5	-87.0	50	40	38	36	37	35	
	1100	1100	0.075	-0.423	34	5.59	519	18.8	-105.3	50	42	40	38	40	38	
22" x 10"	300	458	0.006	-0.031	-	1.52	216	1.4	-7.8	45	23	14	12	-	-	
	400	611	0.010	-0.056	11	2.03	288	2.5	-13.9	47	27	20	18	15	-	
	500	764	0.016	-0.087	17	2.54	361	3.9	-21.7	48	30	25	23	21	11	
	600	917	0.022	-0.125	21	3.05	433	5.6	-31.2	49	33	28	27	26	18	
	700	1069	0.031	-0.171	25	3.56	505	7.6	-42.5	50	35	32	30	30	24	
	800	1222	0.040	-0.223	29	4.06	577	9.9	-55.5	50	38	34	33	34	29	
	900	1375	0.051	-0.282	32	4.57	649	12.6	-70.2	51	39	37	35	37	33	
	1000	1528	0.062	-0.348	34	5.08	721	15.5	-86.7	51	41	39	38	39	37	
	1100	1681	0.075	-0.421	37	5.59	793	18.8	-104.9	52	42	41	40	42	41	

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.

6490, 56490 (Return) Performance Data

IP/METRIC DATA: 6490, 56490, 24"x48" 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							
15" x 15"	300	469	0.006	-0.031	-	1.52	221	1.4	-7.8	45	23	14	12	-	-	
	400	625	0.010	-0.056	11	2.03	295	2.5	-13.9	47	27	20	18	15	-	
	500	781	0.016	-0.087	17	2.54	369	3.9	-21.7	48	30	25	23	21	11	
	600	938	0.022	-0.125	22	3.05	442	5.6	-31.2	49	33	28	27	26	18	
	700	1094	0.031	-0.171	25	3.56	516	7.6	-42.5	50	36	32	30	30	24	
	800	1250	0.040	-0.223	29	4.06	590	9.9	-55.5	50	38	34	33	34	29	
	900	1406	0.051	-0.282	32	4.57	664	12.6	-70.2	51	39	37	35	37	33	
	1000	1563	0.062	-0.348	34	5.08	737	15.5	-86.7	51	41	39	38	40	37	
16" x 16"	300	533	0.006	-0.031	-	1.52	252	1.4	-7.8	46	23	15	12	-	-	
	400	711	0.010	-0.056	12	2.03	336	2.5	-13.9	47	27	20	18	16	-	
	500	889	0.016	-0.087	18	2.54	420	3.9	-21.6	48	31	25	23	22	12	
	600	1067	0.022	-0.125	23	3.05	503	5.6	-31.2	49	33	29	27	27	19	
	700	1244	0.031	-0.170	26	3.56	587	7.6	-42.4	50	36	32	30	31	25	
	800	1422	0.040	-0.223	30	4.06	671	9.9	-55.4	51	38	35	33	34	30	
	900	1600	0.051	-0.282	33	4.57	755	12.6	-70.1	51	40	37	36	37	34	
	1000	1778	0.062	-0.348	35	5.08	839	15.5	-86.6	52	41	39	38	40	38	
18" x 18"	300	675	0.006	-0.031	-	1.52	319	1.4	-7.8	47	23	15	13	-	-	
	400	900	0.010	-0.055	14	2.03	425	2.5	-13.8	48	28	21	19	17	-	
	500	1125	0.016	-0.087	20	2.54	531	3.9	-21.6	49	31	25	24	23	13	
	600	1350	0.022	-0.125	24	3.05	637	5.6	-31.1	50	34	29	28	28	20	
	700	1575	0.031	-0.170	28	3.56	743	7.6	-42.3	51	36	32	31	32	26	
	800	1800	0.040	-0.222	32	4.06	850	9.9	-55.3	52	38	35	34	36	31	
	900	2025	0.051	-0.281	35	4.57	956	12.6	-69.9	52	40	37	37	39	36	
	1000	2250	0.062	-0.347	37	5.08	1062	15.5	-86.4	53	41	39	39	42	39	
46" x 22"	100	703	0.001	-0.003	-	0.51	332	0.2	-0.8	46	-	-	-	-	-	
	200	1406	0.003	-0.013	-	1.02	663	0.6	-3.4	49	19	-	-	-	-	
	300	2108	0.006	-0.030	15	1.52	995	1.4	-7.6	51	25	17	17	15	-	
	400	2811	0.010	-0.054	23	2.03	1327	2.5	-13.4	53	29	23	23	23	12	
	500	3514	0.016	-0.084	28	2.54	1658	3.9	-21.0	54	32	28	28	29	20	
	600	4217	0.022	-0.121	33	3.05	1990	5.6	-30.2	55	35	31	32	34	27	
	700	4919	0.031	-0.165	37	3.56	2322	7.6	-41.1	56	38	34	35	38	32	
	800	5622	0.040	-0.216	40	4.06	2653	9.9	-53.7	56	40	37	38	42	37	
	900	6325	0.051	-0.273	43	4.57	2985	12.6	-68.0	57	41	39	40	45	42	

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