

6390 (Return) Performance Data

IP/METRIC DATA: 6390, 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"	300	59	0.006	-0.006	-	1.52	28	1.4	-1.4	-	-	-	-	-	-	
	400	78	0.010	-0.010	-	2.03	37	2.5	-2.4	12	-	-	-	-	-	
	500	98	0.016	-0.015	-	2.54	46	3.9	-3.8	17	12	-	-	-	-	
	600	118	0.022	-0.022	-	3.05	56	5.6	-5.5	20	16	14	-	-	-	
	700	137	0.031	-0.030	-	3.56	65	7.6	-7.5	23	20	17	-	-	-	
	800	157	0.040	-0.039	-	4.06	74	9.9	-9.8	26	23	20	-	-	-	
	900	177	0.051	-0.050	-	4.57	83	12.6	-12.3	28	25	22	13	-	-	
	1000	196	0.062	-0.061	-	5.08	93	15.5	-15.2	31	27	24	15	-	-	
	1100	216	0.075	-0.074	-	5.59	102	18.8	-18.4	32	29	26	18	-	-	
8"	300	105	0.006	-0.006	-	1.52	49	1.4	-1.4	-	-	-	-	-	-	
	400	140	0.010	-0.010	-	2.03	66	2.5	-2.5	13	-	-	-	-	-	
	500	174	0.016	-0.016	-	2.54	82	3.9	-3.9	17	13	11	-	-	-	
	600	209	0.022	-0.022	-	3.05	99	5.6	-5.6	21	17	15	-	-	-	
	700	244	0.031	-0.031	-	3.56	115	7.6	-7.6	24	20	18	-	-	-	
	800	279	0.040	-0.040	-	4.06	132	9.9	-9.9	27	23	21	11	-	-	
	900	314	0.051	-0.062	-	4.57	148	12.6	-15.5	29	26	23	14	-	-	
	1000	349	0.062	-0.062	-	5.08	165	15.5	-15.5	31	28	25	16	-	-	
	1100	384	0.075	-0.076	-	5.59	181	18.8	-18.8	33	30	27	19	11	-	
10"	300	164	0.006	-0.006	-	1.52	77	1.4	-1.4	-	-	-	-	-	-	
	400	218	0.010	-0.010	-	2.03	103	2.5	-2.5	14	-	-	-	-	-	
	500	273	0.016	-0.016	-	2.54	129	3.9	-4.0	18	13	12	-	-	-	
	600	327	0.022	-0.023	-	3.05	154	5.6	-5.7	22	17	15	-	-	-	
	700	382	0.031	-0.031	-	3.56	180	7.6	-7.8	25	21	18	-	-	-	
	800	436	0.040	-0.041	-	4.06	206	9.9	-10.2	27	23	21	11	-	-	
	900	491	0.051	-0.064	-	4.57	231	12.6	-15.9	30	26	24	14	-	-	
	1000	545	0.062	-0.064	-	5.08	257	15.5	-15.9	32	28	26	17	-	-	
	1100	600	0.075	-0.077	-	5.59	283	18.8	-19.3	34	30	28	19	11	-	
12"	300	235	0.006	-0.006	-	1.52	111	1.4	-1.5	-	-	-	-	-	-	
	400	314	0.010	-0.011	-	2.03	148	2.5	-2.6	14	-	-	-	-	-	
	500	392	0.016	-0.016	-	2.54	185	3.9	-4.1	19	14	12	-	-	-	
	600	471	0.022	-0.024	-	3.05	222	5.6	-5.9	22	18	16	-	-	-	
	700	549	0.031	-0.032	-	3.56	259	7.6	-8.0	25	21	19	-	-	-	
	800	628	0.040	-0.042	-	4.06	296	9.9	-10.5	28	24	22	12	-	-	
	900	706	0.051	-0.066	-	4.57	333	12.6	-16.4	30	26	24	15	-	-	
	1000	785	0.062	-0.066	-	5.08	370	15.5	-16.4	32	29	26	18	-	-	
	1100	863	0.075	-0.080	-	5.59	407	18.8	-19.8	34	31	28	20	11	-	
14"	300	320	0.006	-0.006	-	1.52	151	1.4	-1.5	-	-	-	-	-	-	
	400	427	0.010	-0.011	-	2.03	202	2.5	-2.7	15	-	-	-	-	-	
	500	534	0.016	-0.017	-	2.54	252	3.9	-4.2	19	14	12	-	-	-	
	600	641	0.022	-0.024	-	3.05	302	5.6	-6.1	23	18	16	-	-	-	
	700	748	0.031	-0.033	-	3.56	353	7.6	-8.3	26	21	19	-	-	-	
	800	855	0.040	-0.043	-	4.06	403	9.9	-10.8	28	24	22	13	-	-	
	900	961	0.051	-0.068	-	4.57	454	12.6	-16.9	31	27	25	15	-	-	
	1000	1068	0.062	-0.068	-	5.08	504	15.5	-16.9	33	29	27	18	-	-	
	1100	1175	0.075	-0.082	-	5.59	555	18.8	-20.5	35	31	29	21	11	-	
16"	300	419	0.006	-0.006	-	1.52	198	1.4	-1.6	-	-	-	-	-	-	
	400	558	0.010	-0.011	-	2.03	263	2.5	-2.8	15	-	-	-	-	-	
	500	698	0.016	-0.018	-	2.54	329	3.9	-4.4	19	14	13	-	-	-	
	600	837	0.022	-0.025	-	3.05	395	5.6	-6.3	23	18	17	-	-	-	
	700	977	0.031	-0.035	-	3.56	461	7.6	-8.6	26	21	20	-	-	-	
	800	1116	0.040	-0.045	-	4.06	527	9.9	-11.2	29	24	22	13	-	-	
	900	1256	0.051	-0.070	-	4.57	593	12.6	-17.5	31	27	25	16	-	-	
	1000	1395	0.062	-0.070	-	5.08	658	15.5	-17.5	33	29	27	19	-	-	
	1100	1535	0.075	-0.085	-	5.59	724	18.8	-21.2	35	31	29	21	11	-	

NOTES: SUPPLY DIFFUSERS
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 levels minus a room absorption of 10dB, re 10⁻¹² Watts. Dash in space denotes a NC 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 1-Way Throw is for [Total CFM] CFM per side (L/s). The throw values given for 2-Way Throw is for [Total CFM/2] CFM per side (L/s). The throw values given for 3-Way Throw is for [Total CFM/3] CFM per side (L/s). 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.

NOTES: RETURNS
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

6390

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