

6290FR | Curved Blade, Fire Rated

6290FR (Fire Rated Return) Performance Data

IP/METRIC DATA: 6290FR RETURN, 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	-0.006	-	1.52	35	1.4	-1.6	38	13	-	-	-	-	
	400	100	0.010	-0.012	-	2.03	47	2.5	-2.9	40	18	11	-	-	-	
	500	125	0.016	-0.018	-	2.54	59	3.9	-4.5	42	22	16	-	-	-	
	600	150	0.022	-0.026	-	3.05	71	5.6	-6.5	43	25	20	-	-	-	
	700	175	0.031	-0.035	-	3.56	83	7.6	-8.8	44	27	23	13	-	-	
	800	200	0.040	-0.046	-	4.06	94	9.9	-11.5	45	29	25	16	-	-	
	900	225	0.051	-0.058	12	4.57	106	12.6	-14.5	46	31	28	19	-	-	
	1000	250	0.062	-0.072	14	5.08	118	15.5	-17.9	47	33	30	21	-	-	
8" x 8"	300	133	0.006	-0.010	-	1.52	63	1.4	-2.6	39	15	-	-	-	-	
	400	178	0.010	-0.018	-	2.03	84	2.5	-4.5	41	20	14	-	-	-	
	500	222	0.016	-0.029	-	2.54	105	3.9	-7.1	43	24	18	-	-	-	
	600	267	0.022	-0.041	-	3.05	126	5.6	-10.2	44	27	22	15	-	-	
	700	311	0.031	-0.056	12	3.56	147	7.6	-13.9	45	30	25	18	-	-	
	800	356	0.040	-0.073	15	4.06	168	9.9	-18.2	46	32	28	21	13	-	
	900	400	0.051	-0.092	18	4.57	189	12.6	-23.0	47	34	31	24	16	-	
	1000	444	0.062	-0.114	20	5.08	210	15.5	-28.4	48	36	33	26	19	-	
10" x 10"	300	208	0.006	-0.015	-	1.52	98	1.4	-3.8	40	17	-	-	-	-	
	400	278	0.010	-0.027	-	2.03	131	2.5	-6.7	42	22	16	-	-	-	
	500	347	0.016	-0.042	-	2.54	164	3.9	-10.5	44	26	21	14	-	-	
	600	417	0.022	-0.061	14	3.05	197	5.6	-15.1	45	29	24	19	12	-	
	700	486	0.031	-0.082	17	3.56	229	7.6	-20.5	46	31	28	22	16	-	
	800	556	0.040	-0.108	20	4.06	262	9.9	-26.8	47	34	30	25	20	11	
	900	625	0.051	-0.136	22	4.57	295	12.6	-33.9	48	36	33	28	23	15	
	1000	694	0.062	-0.168	25	5.08	328	15.5	-41.9	49	37	35	30	26	20	
12" x 12"	300	300	0.006	-0.021	-	1.52	142	1.4	-5.3	41	19	12	-	-	-	
	400	400	0.010	-0.037	-	2.03	189	2.5	-9.3	43	24	18	13	-	-	
	500	500	0.016	-0.059	13	2.54	236	3.9	-14.6	45	27	22	18	13	-	
	600	600	0.022	-0.084	17	3.05	283	5.6	-21.0	46	30	26	22	18	-	
	700	700	0.031	-0.115	21	3.56	330	7.6	-28.6	47	33	29	25	22	14	
	800	800	0.040	-0.150	23	4.06	378	9.9	-37.3	48	35	32	28	26	19	
	900	900	0.051	-0.190	26	4.57	425	12.6	-47.3	49	37	34	31	29	23	
	1000	1000	0.062	-0.234	28	5.08	472	15.5	-58.3	50	39	37	34	32	28	
14" x 14"	300	408	0.006	-0.028	-	1.52	193	1.4	-7.0	41	20	13	-	-	-	
	400	544	0.010	-0.050	12	2.03	257	2.5	-12.4	44	25	19	15	11	-	
	500	681	0.016	-0.078	16	2.54	321	3.9	-19.4	45	29	24	21	18	-	
	600	817	0.022	-0.112	20	3.05	385	5.6	-28.0	47	32	28	25	23	14	
	700	953	0.031	-0.153	24	3.56	450	7.6	-38.1	48	34	31	28	27	20	
	800	1089	0.040	-0.200	27	4.06	514	9.9	-49.8	49	36	33	31	31	26	
	900	1225	0.051	-0.253	29	4.57	578	12.6	-63.0	50	38	36	34	34	30	
	1000	1361	0.062	-0.312	31	5.08	642	15.5	-77.8	51	40	38	36	37	34	
1100	1497	0.075	-0.378	33	5.59	707	18.8	-94.1	51	42	40	39	40	38		

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

6290FR

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