

6590FR (Fire Rated Return) Performance Data

IP/METRIC DATA: 6590FR, 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							
	FPM	CFM	"WG	"WG		m/s	L/s	Pa	Pa	2	3	4	5	6	7	
6"	300	59	0.006	-0.006	-	1.52	28	1.4	-1.5	37	12	-	-	-	-	
	400	78	0.010	-0.011	-	2.03	37	2.5	-2.7	39	17	-	-	-	-	
	500	98	0.016	-0.017	-	2.54	46	3.9	-4.2	41	21	15	-	-	-	
	600	118	0.022	-0.024	-	3.05	56	5.6	-6.0	42	24	18	-	-	-	
	700	137	0.031	-0.033	-	3.56	65	7.6	-8.2	44	26	22	11	-	-	
	800	157	0.040	-0.043	-	4.06	74	9.9	-10.7	45	28	24	14	-	-	
	900	177	0.051	-0.054	-	4.57	83	12.6	-13.6	46	30	27	17	-	-	
	1000	196	0.062	-0.067	12	5.08	93	15.5	-16.8	46	32	29	19	-	-	
8"	1100	216	0.075	-0.081	14	5.59	102	18.8	-20.3	47	34	31	21	-	-	
	300	105	0.006	-0.007	-	1.52	49	1.4	-1.8	38	14	-	-	-	-	
	400	140	0.010	-0.013	-	2.03	66	2.5	-3.2	41	19	13	-	-	-	
	500	174	0.016	-0.020	-	2.54	82	3.9	-5.0	42	23	17	-	-	-	
	600	209	0.022	-0.029	-	3.05	99	5.6	-7.2	44	26	21	12	-	-	
	700	244	0.031	-0.040	-	3.56	115	7.6	-9.9	45	29	24	16	-	-	
	800	279	0.040	-0.052	13	4.06	132	9.9	-12.9	46	31	27	19	-	-	
	900	314	0.051	-0.065	15	4.57	148	12.6	-16.3	47	33	29	22	12	-	
10"	1000	349	0.062	-0.081	18	5.08	165	15.5	-20.1	48	35	32	24	15	-	
	1100	384	0.075	-0.098	20	5.59	181	18.8	-24.4	48	36	34	26	18	-	
	300	164	0.006	-0.009	-	1.52	77	1.4	-2.2	39	16	-	-	-	-	
	400	218	0.010	-0.016	-	2.03	103	2.5	-3.9	42	21	15	-	-	-	
	500	273	0.016	-0.025	-	2.54	129	3.9	-6.1	43	25	19	12	-	-	
	600	327	0.022	-0.035	11	3.05	154	5.6	-8.8	45	28	23	16	-	-	
	700	382	0.031	-0.048	15	3.56	180	7.6	-12.0	46	30	26	20	12	-	
	800	436	0.040	-0.063	17	4.06	206	9.9	-15.7	47	33	29	23	16	-	
12"	900	491	0.051	-0.080	20	4.57	231	12.6	-19.8	48	35	32	26	20	-	
	1000	545	0.062	-0.098	22	5.08	257	15.5	-24.5	49	36	34	28	23	14	
	1100	600	0.075	-0.119	24	5.59	283	18.8	-29.6	49	38	36	30	25	18	
	300	235	0.006	-0.011	-	1.52	111	1.4	-2.7	40	18	11	-	-	-	
	400	314	0.010	-0.019	-	2.03	148	2.5	-4.8	42	23	17	-	-	-	
	500	392	0.016	-0.030	-	2.54	185	3.9	-7.4	44	26	21	16	-	-	
	600	471	0.022	-0.043	15	3.05	222	5.6	-10.7	45	29	25	20	14	-	
	700	549	0.031	-0.059	18	3.56	259	7.6	-14.6	47	32	28	23	18	-	
14"	800	628	0.040	-0.077	21	4.06	296	9.9	-19.1	48	34	31	26	22	14	
	900	706	0.051	-0.097	24	4.57	333	12.6	-24.1	49	36	33	29	25	18	
	1000	785	0.062	-0.120	26	5.08	370	15.5	-29.8	49	38	36	31	28	22	
	1150	903	0.082	-0.158	29	5.84	426	20.5	-39.4	50	40	38	35	32	28	
	300	320	0.006	-0.013	-	1.52	151	1.4	-3.2	41	19	12	-	-	-	
	400	427	0.010	-0.023	-	2.03	202	2.5	-5.8	43	24	18	13	-	-	
	500	534	0.016	-0.036	14	2.54	252	3.9	-9.0	45	28	23	18	14	-	
	600	641	0.022	-0.052	18	3.05	302	5.6	-13.0	46	31	26	22	19	-	
16"	700	748	0.031	-0.071	21	3.56	353	7.6	-17.7	47	33	30	26	23	15	
	800	855	0.040	-0.093	24	4.06	403	9.9	-23.1	48	35	32	29	27	20	
	900	961	0.051	-0.117	27	4.57	454	12.6	-29.2	49	37	35	32	30	25	
	1000	1068	0.062	-0.145	29	5.08	504	15.5	-36.0	50	39	37	34	33	29	
	1100	1175	0.075	-0.175	31	5.59	555	18.8	-43.6	51	41	39	36	36	33	

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.