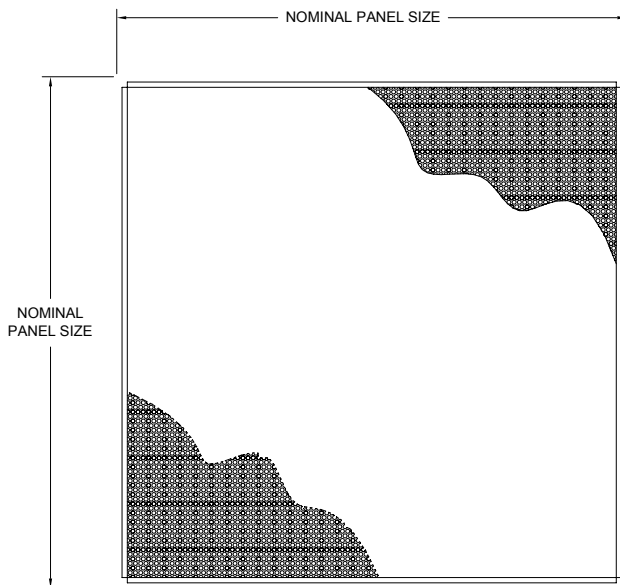


JOB NAME _____
 LOCATION _____
 ENGINEER _____
 CONTRACTOR _____
 TYPE/MARK _____

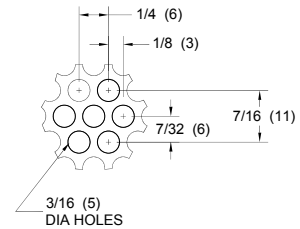
SUBMITTAL SHEET
 Form Number DS6045.5 Effective Date 6/06
 Replaces Form DS6045.4



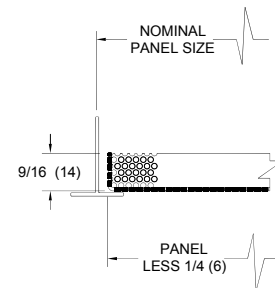
SERIES 6790 / 56790 - FRAMES 23, 30, & 98
 Perforated Unducted Return for Ceiling Applications



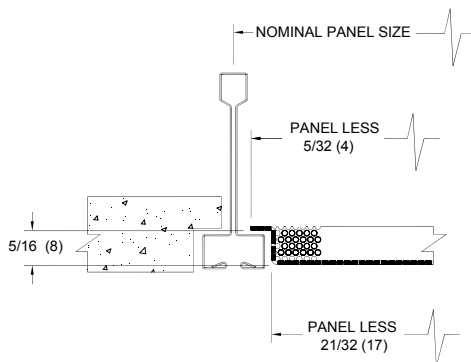
FACE VIEW



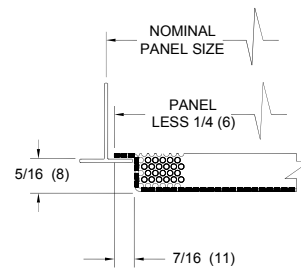
PERF DETAIL



FRAME 23



FRAME 98



FRAME 30

DIMENSIONS ARE SHOWN AS
 INCHES & (mm)

NOTES :

1. Units are for lay-in type ceilings.
2. 6790 series is steel construction.
3. 56790 series is aluminum construction
4. Standard finish is 44 white.

- **FRAME 23** is available in full range of sizes.
- **FRAME 30** is only available in 12 x 12 and 24 x 24 panel sizes
- **FRAME 98** is only available in 24 x 24 panel size.



PERFORATED DIFFUSERS

6790 - 56790

6790/56790 (RETURN) PERFORMANCE DATA
▼ IP/METRIC DATA: 6790/56790

	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							
12" X 12"	200	200	0.003	-0.013	-	1.02	94	0.6	-3.2	44	14	-	-	-	-	
	300	300	0.006	-0.029	-	1.52	142	1.4	-7.1	46	20	11	-	-	-	
	400	400	0.010	-0.051	-	2.03	189	2.5	-12.7	47	24	17	15	11	-	
	500	500	0.016	-0.079	14	2.54	236	3.9	-19.8	48	28	22	20	17	-	
	600	600	0.022	-0.114	18	3.05	283	5.6	-28.5	49	31	26	24	22	12	
	700	700	0.031	-0.156	22	3.56	330	7.6	-38.8	50	33	29	27	26	19	
	800	800	0.040	-0.203	26	4.06	378	9.9	-50.7	51	35	31	30	30	24	
	1000	1000	0.062	-0.318	32	5.08	472	15.5	-79.2	52	39	36	35	36	33	
1100	1100	0.075	-0.385	34	5.59	519	18.8	-95.8	52	40	38	37	39	37		
16" X 16"	200	356	0.003	-0.013	-	1.02	168	0.6	-3.2	42	18	-	-	-	-	
	300	533	0.006	-0.029	-	1.52	252	1.4	-7.1	43	24	16	13	-	-	
	400	711	0.010	-0.051	11	2.03	336	2.5	-12.7	45	28	22	19	17	-	
	500	889	0.016	-0.079	17	2.54	420	3.9	-19.8	46	32	27	24	24	13	
	600	1067	0.022	-0.114	22	3.05	503	5.6	-28.5	46	35	30	28	29	20	
	700	1244	0.031	-0.156	26	3.56	587	7.6	-38.8	47	37	34	31	33	27	
	800	1422	0.040	-0.203	30	4.06	671	9.9	-50.7	48	39	36	34	36	32	
	1000	1778	0.062	-0.318	35	5.08	839	15.5	-79.2	49	42	41	39	43	41	
1100	1956	0.075	-0.385	38	5.59	923	18.8	-95.8	49	44	43	41	45	45		
12" X 24"	200	400	0.003	-0.013	-	1.02	189	0.6	-3.2	41	19	-	-	-	-	
	300	600	0.006	-0.029	-	1.52	283	1.4	-7.1	43	25	17	14	11	-	
	400	800	0.010	-0.051	12	2.03	378	2.5	-12.7	44	29	23	20	19	-	
	500	1000	0.016	-0.079	18	2.54	472	3.9	-19.8	45	33	28	25	25	15	
	600	1200	0.022	-0.114	23	3.05	566	5.6	-28.5	46	35	31	29	30	22	
	700	1400	0.031	-0.156	27	3.56	661	7.6	-38.8	47	38	35	32	34	28	
	800	1600	0.040	-0.203	30	4.06	755	9.9	-50.7	47	40	37	35	38	34	
	1000	2000	0.062	-0.318	36	5.08	944	15.5	-79.2	48	43	42	40	44	43	
1100	2200	0.075	-0.385	39	5.59	1038	18.8	-95.8	49	45	44	42	47	46		
20" X 20"	200	556	0.003	-0.013	-	1.02	262	0.6	-3.2	39	21	12	-	-	-	
	300	833	0.006	-0.029	-	1.52	393	1.4	-7.1	41	27	20	16	15	-	
	400	1111	0.010	-0.051	14	2.03	524	2.5	-12.7	42	32	26	23	23	-	
	500	1389	0.016	-0.079	20	2.54	655	3.9	-19.8	43	35	31	28	29	19	
	600	1667	0.022	-0.114	25	3.05	787	5.6	-28.5	44	38	34	32	34	27	
	700	1944	0.031	-0.156	29	3.56	918	7.6	-38.8	45	40	37	35	38	33	
	800	2222	0.040	-0.203	32	4.06	1049	9.9	-50.7	45	42	40	38	42	38	
	1000	2778	0.062	-0.318	38	5.08	1311	15.5	-79.2	46	46	45	43	48	47	
1100	3056	0.075	-0.385	41	5.59	1442	18.8	-95.8	47	47	47	45	50	51		
24" X 24"	200	800	0.003	-0.013	-	1.02	378	0.6	-3.2	38	23	15	-	-	-	
	300	1200	0.006	-0.029	-	1.52	566	1.4	-7.1	39	30	23	19	19	-	
	400	1600	0.010	-0.051	16	2.03	755	2.5	-12.7	41	34	29	25	27	15	
	500	2000	0.016	-0.079	22	2.54	944	3.9	-19.8	42	37	34	30	33	24	
	600	2400	0.022	-0.114	27	3.05	1133	5.6	-28.5	42	40	37	34	38	32	
	700	2800	0.031	-0.156	31	3.56	1321	7.6	-38.8	43	43	40	38	42	38	
	800	3200	0.040	-0.203	35	4.06	1510	9.9	-50.7	44	45	43	41	46	43	
	900	3600	0.051	-0.258	38	4.57	1699	12.6	-64.1	44	46	46	43	49	48	
1000	4000	0.062	-0.318	40	5.08	1888	15.5	-79.2	45	48	48	46	52	52		
24" X 48"	100	800	0.001	-0.003	-	0.51	378	0.2	-0.8	31	18	-	-	-	-	
	200	1600	0.003	-0.013	-	1.02	755	0.6	-3.2	34	28	21	15	16	-	
	300	2400	0.006	-0.029	13	1.52	1133	1.4	-7.1	36	34	29	24	27	13	
	400	3200	0.010	-0.051	21	2.03	1510	2.5	-12.7	37	39	35	31	35	25	
	500	4000	0.016	-0.079	26	2.54	1888	3.9	-19.8	38	42	39	36	41	34	
	600	4800	0.022	-0.114	31	3.05	2265	5.6	-28.5	39	45	43	40	46	41	
	700	5600	0.031	-0.156	35	3.56	2643	7.6	-38.8	40	47	46	43	50	48	
	800	6400	0.040	-0.203	39	4.06	3020	9.9	-50.7	40	49	49	46	54	53	
900	7200	0.051	-0.258	42	4.57	3398	12.6	-64.1	41	51	51	49	57	58		

► NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB re10⁻¹² 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 701, ISO Standard 5219, and ISO Standard 3741. 16"x16" and 20"x20" not available for model 56790. See K-Select program for performance data not shown, including octave band data.