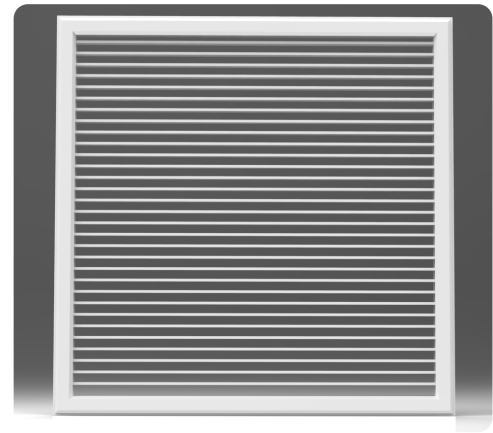


HHR & VVR MODELS

ALUMINUM RETURN GRILLE 0° BLADES TO THE LONG DIMENSION FOR HEAVY APPLICATION

- 3/4" spacing, in horizontal fixed position, with 0° deflection.
- Great looking, return grilles are ideal to be installed where high structural resistance grilles areas are required. Example: Gyms, arenas and industrial areas.



HHR

CONSTRUCTION: Extruded aluminum

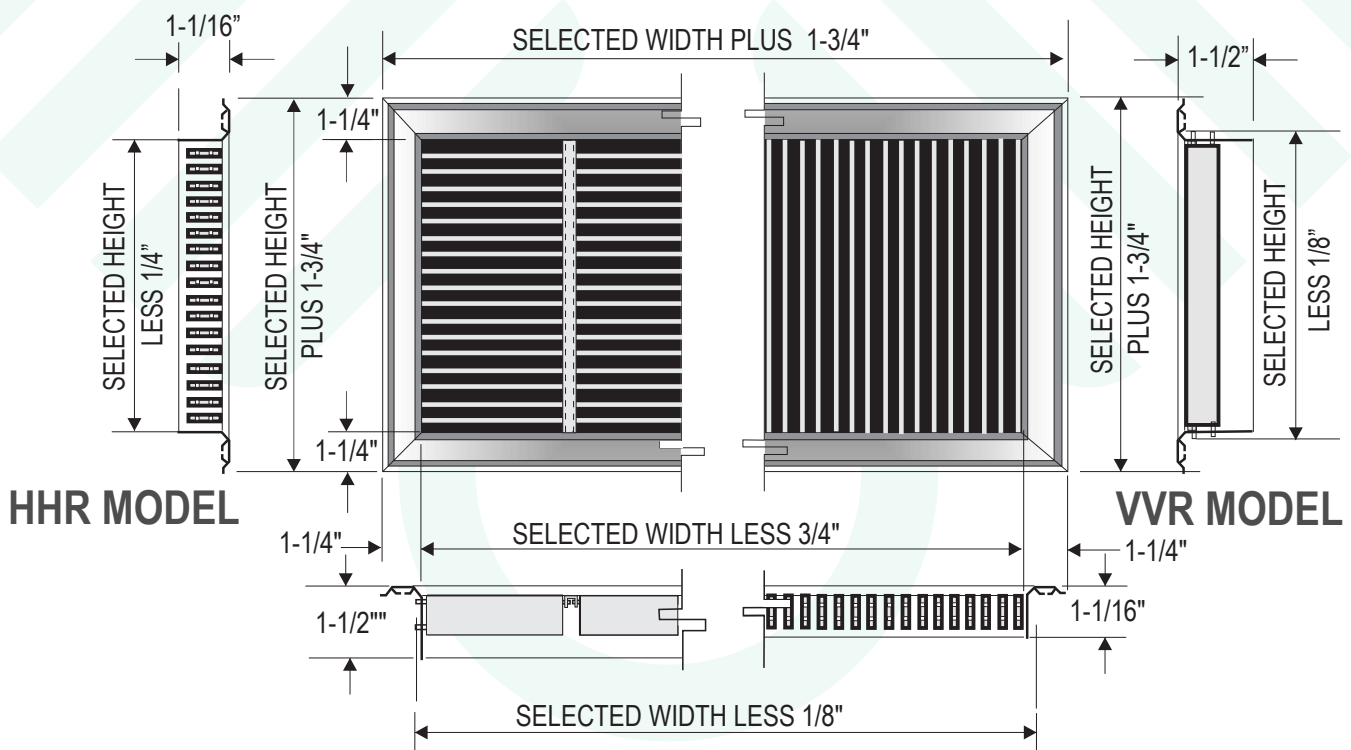
FINISH: Standard white Anodic acrylic paint.
Other colors available

PERFORMANCE: 75% free area.

HHRCO & VVRCO CO model:

Optional with opposed blades volume control, CO Model, that offers maximum air flow volume.

Dimensional Data



HEAVY DUTY RETURN GRILLES & REGISTERS

PERFORMANCE DATA

INCHES		FREE CORE AREA (FT. ²)		CORE VELOCITY FPM.								
				NC30								
				400	500	600	700	800	900	1000	1100	1200
8 x 4 7 x 5	6 x 6	0.19	CFM	76	95	114	133	152	171	190	209	228
			(-JTP)	0.019	0.030	0.042	0.058	0.076	0.095	0.118	0.143	0.171
			NC	27	29	31	32	33	35	36	38	39
12 x 4 10 x 5	8 x 6	0.26	CFM	104	130	156	182	208	234	260	286	312
			(-JTP)	0.018	0.028	0.040	0.056	0.072	0.090	0.117	0.138	0.166
			NC	25	28	30	31	32	34	36	37	38
14 x 4 12 x 5	10 x 6 8 x 8	0.33	CFM	132	165	198	231	264	297	330	363	396
			(-JTP)	0.018	0.027	0.038	0.054	0.070	0.087	0.115	0.135	0.161
			NC	24	27	29	30	31	32	35	36	37
18 x 4 12 x 6	9 x 8	0.38	CFM	152	190	228	266	304	342	380	418	456
			(-JTP)	0.017	0.025	0.037	0.052	0.065	0.085	0.113	0.132	0.155
			NC	23	26	28	29	30	31	34	35	36
20 x 4 16 x 5	14 x 6 10 x 8	0.44	CFM	176	220	264	308	352	396	440	484	528
			(-JTP)	0.016	0.024	0.035	0.050	0.060	0.082	0.109	0.128	0.149
			NC	22	25	27	28	30	31	34	35	36
24 x 4 20 x 5 16 x 6	12 x 8 10 x 10	0.52	CFM	208	260	312	364	416	468	520	572	624
			(-JTP)	0.015	0.023	0.034	0.047	0.058	0.079	0.105	0.124	0.144
			NC	22	25	27	28	30	31	34	35	36
30 x 4 24 x 5 20 x 6	14 x 8 12 x 10	0.70	CFM	280	350	420	490	560	630	700	770	840
			(-JTP)	0.014	0.023	0.033	0.044	0.055	0.076	0.101	0.120	0.139
			NC	22	25	27	28	30	31	34	35	36
36 x 4 28 x 5 24 x 6	18 x 8 14 x 10 12 x 12	0.91	CFM	364	455	546	637	728	819	910	1001	1092
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	22	24	26	28	30	31	33	35	36
48 x 4 40 x 5 34 x 6 24 x 8	20 x 10 16 x 12 14 x 14	1.18	CFM	472	590	708	826	944	1062	1180	1298	1416
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	22	24	26	27	30	31	33	34	35
54 x 4 36 x 6 28 x 8	18 x 12 16 x 14	1.32	CFM	528	660	792	924	1056	1188	1320	1452	1584
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	22	24	26	27	30	31	32	34	35
60 x 4 48 x 5 40 x 6	30 x 8 24 x 10 20 x 12	1.58	CFM	632	790	948	1106	1264	1422	1580	1738	1896
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	22	24	26	27	30	31	32	33	34
60 x 5 48 x 6 36 x 8	30 x 10 24 x 12 18 x 16	1.78	CFM	712	890	1068	1246	1424	1602	1780	1958	2136
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	22	24	26	27	30	31	32	34	35
54 x 6 40 x 8 32 x 10	20 x 16 18 x 18	1.93	CFM	772	965	1158	1351	1544	1737	1930	2123	2316
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	21	24	26	27	29	30	32	33	34
56 x 6 42 x 8 34 x 10	24 x 14 20 x 17	2.08	CFM	832	1040	1248	1456	1664	1872	2080	2288	2496
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	21	24	26	27	28	30	31	32	33
60 x 6 46 x 8 36 x 10	30 x 12 26 x 14 20 x 18	2.42	CFM	968	1210	1452	1694	1936	2178	2420	2662	2904
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	21	24	26	27	29	30	31	32	33
64 x 6 48 x 8 38 x 10 30 x 14	28 x 14 22 x 18 20 x 20	2.76	CFM	1104	1380	1656	1932	2208	2484	2760	3036	3312
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	21	24	26	27	28	29	30	31	33
72 x 8 54 x 10 48 x 12 46 x 14	36 x 16 34 x 16 30 x 18 24 x 24	3.59	CFM	1436	1795	2154	2513	2872	3231	3590	3949	4308
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	20	24	25	26	27	29	30	31	32
54 x 12 48 x 14 40 x 16	36 x 18 32 x 20 28 x 24	4.27	CFM	1708	2135	2562	2989	3412	3843	4270	4697	5124
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	20	23	25	26	27	28	30	31	32
72 x 10 60 x 12 48 x 16	40 x 18 36 x 20 30 x 24	4.60	CFM	1840	2300	2760	3220	3680	4140	4600	5060	5520
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	20	23	25	26	27	28	29	30	32
72 x 12 60 x 14 48 x 18	42 x 20 36 x 24	5.50	CFM	2200	2750	3300	3850	4400	4950	5500	6050	6600
			(-JTP)	0.014	0.022	0.033	0.044	0.058	0.070	0.090	0.102	0.123
			NC	20	22	24	26	27	28	29	30	31