

MODEL RHF

Model RHF
Bar Type Fixed Blade Return Air Filter Grille

Size	Area Ak	Inlet Velocity									
		200	300	400	500	600	700	800	900	1000	
		PS	.005	.011	.020	.031	.045	.061	.080	.101	.125
6x6	.25	CFM	50	75	100	125	150	175	200	225	250
	.12	NC	<15	<15	<15	17	20	22	25	27	29
8x4	.22	CFM	44	67	89	111	133	156	178	200	222
	.11	NC	<15	<15	<15	16	19	22	24	27	29
8x6	.33	CFM	67	100	133	167	200	233	267	300	333
	.16	NC	<15	<15	<15	18	21	24	26	29	31
8x8	.44	CFM	89	133	178	222	267	311	356	400	444
	.22	NC	<15	<15	16	19	22	25	27	30	32
10x10	.69	CFM	139	208	278	347	417	486	556	625	694
	.68	NC	<15	<15	18	21	24	27	29	32	34
12x6	.50	CFM	100	150	200	250	300	350	400	450	500
	.49	NC	<15	<15	17	20	23	25	28	30	32
12x12	1.00	CFM	200	300	400	500	600	700	800	900	1000
	.98	NC	<15	16	20	23	26	28	31	33	35
14x6	.58	CFM	117	175	233	292	350	408	467	525	583
	.57	NC	<15	<15	17	21	23	26	29	31	33
14x8	.78	CFM	156	233	311	389	467	544	622	700	778
	.76	NC	<15	<15	19	22	25	27	30	32	34
14x10	.97	CFM	194	292	389	486	583	681	778	875	972
	.95	NC	<15	16	19	23	26	28	31	33	35
14x14	1.36	CFM	272	408	544	681	817	953	1089	1225	1361
	1.33	NC	<15	17	21	24	27	30	32	35	37
16x12	1.33	CFM	267	400	533	667	800	933	1067	1200	1333
	1.31	NC	<15	17	21	24	27	30	32	35	37
20x12	1.67	CFM	333	500	667	833	1000	1167	1333	1500	1667
	1.63	NC	<15	18	22	25	28	31	33	35	38
20x14	1.94	CFM	389	583	778	972	1167	1361	1556	1750	1944
	19.91	NC	<15	19	22	26	29	31	34	36	38
20x20	2.78	CFM	556	833	1111	1389	1667	1944	2222	2500	2778
	2.72	NC	16	20	24	27	30	33	35	38	40
24x8	1.33	CFM	267	400	533	667	800	933	1067	1200	1333
	1.31	NC	<15	17	21	24	27	30	32	35	37
24x12	2.00	CFM	400	600	800	1000	1200	1400	1600	1800	2000
	1.96	NC	<15	19	23	26	32	34	36	38	40
30x6	1.25	CFM	250	375	500	625	750	875	1000	1125	1250
	1.23	NC	<15	17	21	24	27	29	32	34	36
30x12	2.50	CFM	500	750	1000	1250	1500	1750	2000	2250	2500
	2.45	NC	15	20	24	27	30	32	35	37	39
30x20	4.17	CFM	833	1250	1667	2083	2500	2917	3333	3750	4167
	4.08	NC	17	22	26	29	32	35	37	39	42
36x12	3.00	CFM	600	900	1200	1500	1800	2100	2400	2700	3000
	2.94	NC	16	21	24	28	31	33	36	38	40
48x12	4.00	CFM	800	1200	1600	2000	2400	2800	3200	3600	4000
	3.92	NC	17	22	26	29	32	35	37	39	41
48x24	8.00	CFM	1600	2400	3200	4000	4800	5600	6400	7200	8000
	7.84	NC	20	25	29	32	35	38	40	42	44

Notes

All Units have been tested in accordance with ANSI/ASHRAE 70-2006. Data in table is derived from such testing

Ps - Static pressure required to obtain listed cfm, units of inches water gauge (in. wg.)
 NC - Calculated noise criteria using 10 dB per octave room attenuation (dimensionless).

Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm
 Inlet Velocity = fpm (Feet Per Minute)

For sizes not shown, refer to online tools **GRD Selection Program** performance calculator on Home Page