

PERFORMANCE DATA

Heavy Duty Return Grille - MODEL HDRG

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	1000	1200
		Ps	-.002	-.005	-.009	-.014	-.020	-.027	-.036	-.056	-.080
06x06	.25	CFM	50	75	100	125	150	175	200	250	300
		NC	-	12	14	15	17	19	20	24	27
08x06	.33	CFM	67	100	133	167	200	233	267	333	400
		NC	12	13	15	17	18	20	22	25	28
08x08	.44	CFM	89	133	178	222	267	311	356	444	533
		NC	13	15	16	18	20	21	23	26	30
12x06	.50	CFM	100	150	200	250	300	350	400	500	600
		NC	13	15	17	18	20	22	23	27	30
16x06 12x08	.67	CFM	133	200	267	333	400	467	533	667	800
		NC	15	16	18	20	21	23	25	28	31
12x10	.83	CFM	167	250	333	417	500	583	667	833	1000
		NC	16	17	19	21	22	24	26	29	32
24x06 12x12	1.00	CFM	200	300	400	500	600	700	800	1000	1200
		NC	16	18	20	21	23	25	26	30	33
14x12	1.16	CFM	233	350	467	583	700	817	933	1167	1400
		NC	17	19	20	22	24	25	27	30	34
14x14	1.36	CFM	272	408	544	681	817	953	1089	1361	1633
		NC	18	19	21	23	24	26	28	31	34
18x18	2.25	CFM	450	675	900	1125	1350	1575	1800	2250	2700
		NC	20	22	23	25	27	28	30	33	37
24x12 18x16	2.00	CFM	400	600	800	1000	1200	1400	1600	2000	2400
		NC	19	21	23	24	26	28	29	33	36
24x18	3.00	CFM	600	900	1200	1500	1800	2100	2400	3000	3600
		NC	21	23	24	26	28	30	31	35	38
48x12 24x24	4.00	CFM	800	1200	1600	2000	2400	2800	3200	4000	4800
		NC	22	24	26	27	29	31	32	36	39
30x20	4.17	CFM	833	1250	1667	2083	2500	2917	3333	4167	5000
		NC	23	24	26	28	29	31	33	36	39
36x20 30x24	5.00	CFM	1000	1500	2000	2500	3000	3500	4000	5000	6000
		NC	23	25	27	28	30	32	33	37	40
36x22	5.50	CFM	1100	1650	2200	2750	3300	3850	4400	5500	6600
		NC	24	25	27	29	30	32	34	37	41

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48x18 36x24	6.00	CFM	1200	1800	2400	3000	3600	4200	4800	6000	7200
		NC	24	26	28	29	31	33	34	38	41
48x24 36x32	8.00	CFM	1600	2400	3200	4000	4800	5600	6400	8000	9600
		NC	25	27	29	30	32	34	35	39	42
48x30 42x34	10.00	CFM	2000	3000	4000	5000	6000	7000	8000	10000	-
		NC	26	28	30	31	33	35	36	40	-
48x36	12.00	CFM	2400	3600	4800	6000	7200	8400	9600	-	-
		NC	27	29	31	32	34	36	37	-	-
48x40	13.33	CFM	2667	4000	5333	6667	8000	9333	-	-	-
		NC	28	29	31	33	34	36	-	-	-
48x48	16.00	CFM	3200	4800	6400	8000	9600	-	-	-	-
		NC	28	30	32	33	35	-	-	-	-

PERFORMANCE NOTES FOR SERIES HDRG

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Nk Vel Neck Velocity of air stream in Feet per Minute

Ps Negative Static pressure (inches of water column)

NC Noise criterion, Sound pressure level. NC ratings are based on sound power level (Lw)

RE: 10^{-12} watts minus a 10dB room attenuation in all octave bands.