

PERFORMANCE DATA

Return Grille Single Deflection - MODEL RG41

Size	Duct Area ft ²	Nk Vel	100	200	300	400	500	600	700	800	900
		Ps	-0.002	-0.009	-0.020	-0.035	-0.055	-0.080	-0.109	-0.142	-0.180
06x06	.25	CFM	19	38	57	77	96	115	134	153	172
		NC	-	-	-	14	20	25	29	32	35
08x06	.33	CFM	27	53	79	106	132	159	185	212	238
		NC	-	-	-	16	22	26	30	34	37
08x08	.44	CFM	37	73	110	146	183	219	256	292	329
		NC	-	-	-	17	23	28	32	35	38
12x06	.50	CFM	41	82	123	164	205	246	287	328	369
		NC	-	-	-	18	23	28	32	36	39
16x06 12x08	.67	CFM	56	111	167	222	278	334	389	445	501
		NC	-	-	12	19	25	29	33	37	40
12x10	.83	CFM	72	144	217	289	361	434	506	578	651
		NC	-	-	13	20	26	31	35	38	41
24x06 12x12	1.00	CFM	85	170	255	339	424	509	594	678	763
		NC	-	-	13	21	27	31	35	39	42
14x12	1.16	CFM	104	208	311	415	518	622	725	829	932
		NC	-	-	14	22	27	32	36	40	43
14x14	1.36	CFM	122	244	366	488	610	731	853	975	1097
		NC	-	-	15	22	28	33	37	40	43
24x12 18x16	2.00	CFM	182	364	545	727	909	1090	1273	1453	1635
		NC	-	-	17	24	30	35	39	42	45
18x18	2.25	CFM	206	413	620	826	1033	1240	1447	1653	1860
		NC	-	-	17	25	30	35	39	43	46
24x18	3.00	CFM	278	557	835	1114	1392	1671	1949	2228	2506
		NC	-	12	19	26	32	36	40	44	47
48x12 24x24	4.00	CFM	368	738	1107	1478	1846	2216	2585	2955	3324
		NC	-	12	20	27	33	38	42	45	48
30x20	4.17	CFM	390	781	1173	1564	1955	2346	2738	3129	3520
		NC	-	13	20	28	33	38	42	45	48
36x20 30x24	5.00	CFM	469	940	1412	1883	2355	2826	3297	3769	4240
		NC	-	14	21	28	34	39	43	46	49
36x22	5.50	CFM	520	1040	1560	2080	2600	3120	3640	4160	4680
		NC	-	14	21	29	34	39	43	47	50
48x18 36x24	6.00	CFM	566	1132	1698	2264	2831	3397	3963	4529	5095
		NC	-	14	22	29	35	40	44	47	50
48x24 36x32	8.00	CFM	760	1523	2287	3050	3813	4576	5340	6103	6866
		NC	-	15	23	30	36	41	45	48	51

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		Ps	-0.002	-0.009	-0.020	-0.035	-0.055	-0.080	-0.109	-0.142	-0.180
48x30 42x34	10.00	CFM	960	1920	2880	3840	4800	5760	6720	7680	8640
		NC	-	15	24	31	37	42	46	49	52
48x36	12.00	CFM	1160	2316	3473	4629	5785	6941	8098	9254	10410
		NC	-	16	25	32	38	43	47	50	53
48x40	13.33	CFM	1290	2578	3865	5153	6440	7728	9015	10303	11590
		NC	-	16	25	33	38	43	47	51	54
48x48	16.00	CFM	1550	3100	4650	6200	7750	9300	10850	12400	13950
		NC	-	17	26	33	39	44	48	51	54

PERFORMANCE NOTES FOR SERIES RG41

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Ps Static pressure = $P_t - P_v$ (inches of water column)

Nk Vel Neck velocity of air stream in Feet Per Minute

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.