

PERFORMANCE DATA

Return Grille Cube Core with Backpan - Model RGCC-BP

Size	Duct Area ft²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.006	-.013	-.024	-.037	-.054	-.073	-.095	-.120	-.149
06x06	.25	CFM	46	69	92	115	138	161	184	207	230
		NC	-	-	-	-	-	14	18	22	26
08x06	.33	CFM	61	92	122	152	183	213	243	274	304
		NC	-	-	-	-	-	15	19	23	27
10x06	.42	CFM	77	115	154	192	230	268	307	345	383
		NC	-	-	-	-	11	16	20	24	28
08x08	.44	CFM	83	125	166	204	249	291	332	374	415
		NC	-	-	-	-	11	16	21	25	28
12x06	.50	CFM	92	139	185	232	279	325	372	418	465
		NC	-	-	-	-	12	17	21	25	29
16x06 12x08	.67	CFM	126	189	253	317	378	442	506	570	630
		NC	-	-	-	-	13	18	22	26	30
10x10	.69	CFM	131	196	261	327	392	457	522	588	653
		NC	-	-	-	-	13	18	22	26	30
12x10 20x06	.83	CFM	157	235	313	391	469	547	625	703	781
		NC	-	-	-	-	13	18	23	26	30
24x06 12x12	1.00	CFM	191	287	382	478	573	669	764	860	955
		NC	-	-	-	-	14	19	24	28	31
14x12	1.16	CFM	222	333	444	554	665	776	887	998	1108
		NC	-	-	-	-	15	20	24	28	31
18x10 30x06	1.25	CFM	239	359	478	597	717	836	955	1075	1194
		NC	-	-	-	-	15	20	25	29	32
14x14	1.36	CFM	260	390	520	650	780	910	1040	1169	1299
		NC	-	-	-	-	15	20	25	29	32
18x12 36x06	1.50	CFM	287	430	573	717	860	1003	1146	1290	1433
		NC	-	-	-	-	16	21	25	29	33
24x10 30x08	1.67	CFM	319	479	638	798	957	1117	1276	1436	1595
		NC	-	-	-	-	16	21	25	29	33
18x14 42x06	1.75	CFM	335	502	669	836	1003	1170	1337	1505	1672
		NC	-	-	-	-	16	21	26	30	33
18x16 24x12	2.00	CFM	382	573	764	955	1146	1337	1528	1719	1910
		NC	-	-	-	11	17	22	26	30	33
18x18	2.25	CFM	430	645	860	1075	1290	1505	1719	1934	2149
		NC	-	-	-	11	17	22	26	30	34
30x12	2.50	CFM	478	717	955	1194	1433	1672	1910	2149	2388
		NC	-	-	-	11	17	23	27	31	34
20x20	2.78	CFM	531	797	1062	1328	1593	1859	2124	2390	2655
		NC	-	-	-	12	18	23	27	31	35

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24x18 36x12	3.00	CFM	573	860	1146	1433	1719	2006	2292	2579	2865
		NC	-	-	-	12	18	23	28	32	35
22x22	3.36	CFM	642	963	1284	1605	1926	2247	2568	2888	3209
		NC	-	-	-	12	18	23	28	32	35
36x14 42x12	3.50	CFM	669	1003	1337	1672	2006	2340	2674	3009	3343
		NC	-	-	-	13	19	24	28	32	36

PERFORMANCE NOTES FOR SERIES RGCC-BP

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Velocity 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

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Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.006	-.013	-.024	-.037	-.054	-.073	-.095	-.120	-.149
24x22	3.67	CFM	705	1057	1410	1762	2114	2467	2819	3171	3524
		NC	-	-	-	13	19	24	28	32	36
30x18	3.75	CFM	720	1080	1440	1800	2160	2520	2880	3240	3600
		NC	-	-	-	13	19	24	28	32	36
48x12 24x24	4.00	CFM	768	1152	1536	1920	2304	2688	3072	3456	3840
		NC	-	-	-	13	19	24	29	33	36
30x20	4.17	CFM	800	1200	1600	2000	2400	2800	3200	3600	XG-4000
		NC	-	-	-	13	19	24	29	33	36
36x18	4.50	CFM	864	1296	1728	2160	2592	3024	3456	3888	4320
		NC	-	-	-	14	20	25	29	33	37
36x20 30x24	5.00	CFM	960	1440	1920	2400	2880	3360	3840	4320	4800
		NC	-	-	-	14	20	25	30	33	37
42x18	5.25	CFM	1008	1512	2016	2520	3024	3528	4032	4536	5040
		NC	-	-	-	14	20	25	30	34	37
28x28	5.44	CFM	1045	1567	2089	2612	3134	3656	4178	4701	5223
		NC	-	-	-	14	20	25	30	34	37
36x22	5.50	CFM	1056	1584	2112	2640	3168	3696	4224	4752	5280
		NC	-	-	-	14	20	25	30	34	37
48x18 36x24	6.00	CFM	1152	1728	2304	2880	3456	4032	4608	5184	5760
		NC	-	-	-	15	21	26	30	34	38
48x24 36x32	8.00	CFM	1536	2304	3072	3840	4608	5376	6144	6912	7680
		NC	-	-	-	16	22	27	31	35	39
48x30 42x34	10.00	CFM	1920	2880	3840	4800	5760	6720	7680	8640	9600
		NC	-	-	-	16	23	28	32	36	39
38x38	10.03	CFM	1926	2889	3852	4815	5778	6741	7704	8666	9629
		NC	-	-	-	16	23	28	32	36	39
42x36	10.50	CFM	2016	3024	4032	5040	6048	7056	8064	9072	10080
		NC	-	-	11	17	23	28	32	36	40
46x34	10.86	CFM	2086	3128	4171	5213	6256	7298	8341	9384	10426
		NC	-	-	11	17	23	28	32	36	40
42x38	11.08	CFM	2128	3192	4255	5319	6383	7446	8510	9574	10637
		NC	-	-	11	17	23	28	32	36	40
40x40	11.11	CFM	2134	3200	4267	5333	6400	7466	8533	9600	10666
		NC	-	-	11	17	23	28	32	36	40
48x36	12.00	CFM	2304	3456	4608	5760	6912	8064	9216	10368	11520
		NC	-	-	11	17	23	28	33	37	40

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42x42	12.25	CFM	2352	3528	4704	5880	7056	8232	9408	10584	11760
		NC	-	-	11	17	23	28	33	37	40
44x44	13.44	CFM	2581	3871	5161	6452	7742	9032	10322	11613	12903
		NC	-	-	12	18	24	29	33	37	41
46x46	14.69	CFM	2821	4231	5641	7052	8462	9872	11282	12693	14103
		NC	-	-	12	18	24	29	33	37	41
48x48	16.00	CFM	3072	4608	6144	7680	9216	10752	12288	13824	15360
		NC	-	-	12	18	24	29	34	38	41

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