

REGC5, REGC5RR Supply Performance Data

IP/METRIC DATA: REGC5, REGC5RR

		IP					NC	Metric Data						Octave Band						
Duct Size	Duct Area	Duct Vel.	Air Flow	Pt	Throw	Duct Size		Duct Area	Duct Vel.	Air Flow	Pt	Throw								
in	ft ²	FPM	CFM	"WG	ft	mm		m ²	m/s	L/s	Pa	m	2	3	4	5	6	7		
6	0.196	510	100	.050	10 - 15 - 21	-	152	0.018	2.59	47	12.4	3.0 - 4.5 - 6.3	35	20	17	16	14	-		
		765	150	.112	15 - 18 - 25	15			3.88	71	27.8	4.5 - 5.5 - 7.7	41	30	27	26	26	23		
		1019	200	.199	17 - 21 - 29	24			5.18	94	49.5	5.2 - 6.3 - 8.9	45	38	34	33	35	35		
		1402	275	.376	20 - 24 - 34	34			7.12	130	93.6	6.1 - 7.4 - 10.5	49	46	41	41	44	47		
		1656	325	.525	22 - 27 - 37	40			8.41	153	130.7	6.6 - 8.1 - 11.4	52	50	46	45	49	54		
8	0.349	430	150	.035	11 - 16 - 25	-	203	0.032	2.18	71	8.8	3.2 - 4.8 - 7.7	35	17	14	13	-	-		
		717	250	.098	18 - 23 - 33	14			3.64	118	24.5	5.4 - 7.1 - 10.0	42	30	26	25	25	21		
		1147	400	.252	24 - 29 - 42	29			5.83	189	62.7	7.3 - 8.9 - 12.6	48	42	38	37	39	39		
		1505	525	.433	28 - 34 - 48	37			7.65	248	107.9	8.4 - 10.2 - 14.5	52	49	44	44	47	50		
		1720	600	.566	29 - 36 - 51	41			8.74	283	141.0	8.9 - 11.0 - 15.5	54	52	48	47	51	55		
10	0.545	367	200	.026	10 - 17 - 29	-	254	0.051	1.86	94	6.4	3.2 - 5.1 - 8.9	34	14	11	-	-	-		
		642	350	.079	19 - 28 - 39	11			3.26	165	19.7	5.9 - 8.4 - 11.8	42	28	25	24	23	17		
		917	500	.161	27 - 33 - 47	22			4.66	236	40.1	8.2 - 10.0 - 14.1	47	37	33	32	33	31		
		1284	700	.316	32 - 39 - 55	33			6.52	330	78.6	9.7 - 11.8 - 16.7	51	46	42	41	43	44		
		1651	900	.522	36 - 44 - 62	41			8.39	425	129.9	11.0 - 13.4 - 19.0	55	52	48	47	50	54		
12	0.785	382	300	.028	13 - 21 - 36	-	305	0.073	1.94	142	7.0	4.0 - 6.2 - 11.0	36	16	13	12	-	-		
		637	500	.078	23 - 33 - 47	12			3.24	236	19.3	6.9 - 10.0 - 14.1	43	29	26	24	23	18		
		1019	800	.199	34 - 42 - 59	26			5.18	378	49.5	10.3 - 12.6 - 17.9	50	41	37	36	37	36		
		1402	1100	.376	40 - 49 - 69	36			7.12	519	93.6	12.1 - 14.8 - 21.0	54	49	45	44	47	48		
		1593	1250	.485	42 - 52 - 74	40			8.09	590	120.9	12.9 - 15.8 - 22.4	56	52	48	47	50	53		
14	1.068	374	400	.027	14 - 23 - 42	-	356	0.099	1.90	189	6.7	4.3 - 7.1 - 12.6	37	17	14	12	-	-		
		655	700	.082	27 - 39 - 55	13			3.33	330	20.5	8.2 - 11.8 - 16.7	45	31	27	26	25	19		
		936	1000	.168	38 - 47 - 66	25			4.76	472	41.8	11.5 - 14.1 - 20.0	50	40	36	35	36	33		
		1311	1400	.329	45 - 55 - 78	35			6.66	661	81.8	13.7 - 16.7 - 23.7	54	48	44	43	45	46		
		1591	1700	.485	50 - 61 - 86	41			8.08	802	120.7	15.1 - 18.4 - 26.1	57	53	49	48	51	54		
16	1.395	358	500	.025	15 - 25 - 47	-	406	0.130	1.82	236	6.1	4.4 - 7.7 - 14.1	37	16	14	12	-	-		
		645	900	.080	30 - 44 - 62	14			3.28	425	19.8	9.2 - 13.4 - 19.0	45	31	28	27	26	19		
		860	1200	.142	40 - 51 - 72	23			4.37	566	35.2	12.3 - 15.5 - 21.9	49	38	35	34	34	31		
		1218	1700	.284	50 - 61 - 86	34			6.19	802	70.7	15.1 - 18.4 - 26.1	54	47	43	42	44	44		
		1505	2100	.433	55 - 67 - 95	40			7.65	991	107.9	16.7 - 20.5 - 29.0	57	52	48	48	50	52		
18	1.766	396	700	.030	20 - 31 - 55	-	457	0.164	2.01	330	7.5	6.0 - 9.5 - 16.7	40	20	17	15	12	-		
		623	1100	.074	33 - 49 - 69	13			3.16	519	18.5	10.0 - 14.8 - 21.0	46	31	28	26	25	19		
		849	1500	.138	45 - 57 - 81	23			4.32	708	34.4	13.6 - 17.3 - 24.5	50	39	35	34	34	31		
		1133	2000	.245	54 - 66 - 93	32			5.75	944	61.1	16.3 - 20.0 - 28.3	54	46	42	41	43	42		
		1472	2600	.415	61 - 75 - 106	40			7.48	1227	103.3	18.6 - 22.8 - 32.2	58	53	49	48	50	52		
20	2.180	367	800	.026	18 - 32 - 59	-	508	0.203	1.86	378	6.4	5.6 - 9.7 - 17.9	39	18	16	14	-	-		
		596	1300	.068	35 - 52 - 75	12			3.03	614	16.9	10.5 - 15.8 - 22.8	46	31	27	26	25	18		
		826	1800	.130	48 - 62 - 88	23			4.19	850	32.5	14.6 - 19.0 - 26.8	51	39	35	34	34	30		
		1147	2500	.252	60 - 74 - 104	33			5.83	1180	62.7	18.3 - 22.4 - 31.6	55	47	43	42	44	43		
		1422	3100	.387	67 - 82 - 116	40			7.22	1463	96.3	20.3 - 24.9 - 35.2	58	53	48	48	50	52		
22	2.638	341	900	.022	17 - 33 - 62	-	559	0.245	1.73	425	5.5	5.3 - 9.9 - 19.0	39	17	15	13	-	-		
		607	1600	.070	39 - 58 - 83	14			3.08	755	17.5	11.8 - 17.6 - 25.3	47	32	29	27	26	19		
		834	2200	.133	53 - 69 - 98	24			4.24	1038	33.1	16.2 - 21.0 - 29.7	51	40	36	35	35	31		
		1137	3000	.248	66 - 81 - 114	33			5.78	1416	61.6	20.0 - 24.5 - 34.6	56	48	44	43	44	43		
		1441	3800	.397	74 - 91 - 128	41			7.32	1793	98.9	22.5 - 27.6 - 39.0	59	54	49	49	51	53		
24	3.139	319	1000	.019	16 - 33 - 66	-	610	0.292	1.62	472	4.8	5.0 - 10.1 - 20.0	39	16	14	12	-	-		
		605	1900	.070	42 - 63 - 91	14			3.07	897	17.5	12.8 - 19.1 - 27.6	48	32	29	28	26	19		
		796	2500	.121	55 - 74 - 104	23			4.05	1180	30.2	16.8 - 22.4 - 31.6	52	39	36	35	34	30		
		1115	3500	.238	71 - 87 - 123	33			5.66	1652	59.2	21.6 - 26.5 - 37.4	56	48	44	43	44	43		
		1433	4500	.393	81 - 99 - 140	41			7.28	2124	97.9	24.5 - 30.0 - 42.4	60	54	50	49	52	53		
30*	4.905	306	1500	.018	18 - 39 - 79	-	762	0.456	1.55	708	4.5	5.6 - 12.0 - 24.0	40	17	14	12	-	-		
		612	3000	.072	53 - 79 - 114	16			3.11	1416	17.8	16.0 - 24.0 - 34.6	50	34	31	30	28	21		
		815	4000	.127	70 - 93 - 132	25			4.14	1888	31.7	21.3 - 28.3 - 40.0	54	42	38	37	37	32		
		1019	5000	.199	85 - 104 - 147	32			5.18	2360	49.5	25.8 - 31.6 - 44.7	57	47	43	42	43	41		
		1223	6000	.286	93 - 114 - 161	38			6.21	2832	71.3	28.3 - 34.6 - 49.0	59	52	48	47	49	48		

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption 10dB, re 10⁻¹² Watts. Dash in space denotes a NC value less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s) free jet. * Size 30 (face size) available in model REGC5 only.

REGC5, REGC5RR Return Performance Data

IP/METRIC DATA: REGC5, REGC5RR

IP		Metric Data					Octave Band									
Duct Size	Duct Area	Duct Vel.	Air Flow	Pt	NC	Duct Size	Duct Area	Duct Vel.	Air Flow	Pt	2	3	4	5	6	7
in	ft ²	FPM	CFM	"WG		mm	m ²	m/s	L/s	Pa						
6	0.196	382	75	.037	-	152	0.018	1.94	35	9.2	34	16	13	12	-	-
		637	125	.103	13			3.24	59	25.6	41	29	25	24	24	19
		1019	200	.264	27			5.18	94	65.6	48	41	37	36	38	38
		1402	275	.498	37			7.12	130	124.1	52	49	44	44	47	50
		1656	325	.696	43			8.41	153	173.3	55	53	49	48	52	57
8	0.349	430	150	.047	-	203	0.032	2.18	71	11.7	38	20	17	16	13	-
		645	225	.106	14			3.28	106	26.3	43	30	27	26	25	20
		1147	400	.334	32			5.83	189	83.1	51	45	41	40	42	42
		1505	525	.575	40			7.65	248	143.1	55	52	47	47	50	53
		1720	600	.751	44			8.74	283	186.9	57	55	51	50	54	58
10	0.545	367	200	.034	-	254	0.051	1.86	94	8.5	37	17	14	13	-	-
		642	350	.105	14			3.26	165	26.1	45	31	28	27	26	20
		917	500	.214	25			4.66	236	53.2	50	40	36	35	36	34
		1284	700	.419	36			6.52	330	104.2	54	49	45	44	46	47
		1651	900	.692	44			8.39	425	172.3	58	55	51	50	53	57
12	0.785	382	300	.037	-	305	0.073	1.94	142	9.2	39	19	16	15	12	-
		637	500	.103	15			3.24	236	25.6	46	32	29	27	26	21
		1019	800	.264	29			5.18	378	65.6	53	44	40	39	40	39
		1402	1100	.498	39			7.12	519	124.1	57	52	48	47	50	51
		1593	1250	.644	43			8.09	590	160.3	59	55	51	50	53	56
14	1.068	374	400	.036	-	356	0.099	1.90	189	8.9	40	20	17	15	12	-
		609	650	.094	14			3.09	307	23.4	47	32	29	27	26	20
		936	1000	.222	28			4.76	472	55.4	53	43	39	38	39	36
		1311	1400	.436	38			6.66	661	108.5	57	51	47	46	48	49
		1591	1700	.643	44			8.08	802	160.0	60	56	52	51	54	57
16	1.395	358	500	.033	-	406	0.130	1.82	236	8.1	40	19	17	15	11	-
		609	850	.094	15			3.09	401	23.4	48	33	29	28	27	20
		860	1200	.188	26			4.37	566	46.7	52	41	38	37	37	34
		1218	1700	.377	37			6.19	802	93.8	57	50	46	45	47	47
		1505	2100	.575	43			7.65	991	143.1	60	55	51	51	53	55
18	1.766	396	700	.040	-	457	0.164	2.01	330	9.9	43	23	20	18	15	-
		595	1050	.090	15			3.02	496	22.3	48	33	30	28	27	20
		849	1500	.183	26			4.32	708	45.6	53	42	38	37	37	34
		1133	2000	.325	35			5.75	944	81.0	57	49	45	44	46	45
		1472	2600	.550	43			7.48	1227	137.0	61	56	52	51	53	55
20	2.180	367	800	.034	-	508	0.203	1.86	378	8.5	42	21	19	17	13	-
		596	1300	.090	15			3.03	614	22.5	49	34	30	29	28	21
		826	1800	.173	26			4.19	850	43.1	54	42	38	37	37	33
		1147	2500	.334	36			5.83	1180	83.1	58	50	46	45	47	46
		1422	3100	.513	43			7.22	1463	127.7	61	56	51	51	53	55
22	2.638	341	900	.030	-	559	0.245	1.73	425	7.4	42	20	18	16	12	-
		569	1500	.082	15			2.89	708	20.4	49	33	30	29	27	19
		834	2200	.176	27			4.24	1038	43.9	54	43	39	38	38	34
		1137	3000	.328	36			5.78	1416	81.7	59	51	47	46	47	46
		1441	3800	.526	44			7.32	1793	131.1	62	57	52	52	54	56
24	3.139	319	1000	.026	-	610	0.292	1.62	472	6.4	42	19	17	15	11	-
		573	1800	.083	15			2.91	850	20.8	50	34	31	29	28	20
		796	2500	.161	26			4.05	1180	40.1	55	42	39	38	37	33
		1115	3500	.315	36			5.66	1652	78.5	59	51	47	46	47	46
		1433	4500	.521	44			7.28	2124	129.8	63	57	53	52	55	56
30	4.905	306	1500	.024	-	762	0.456	1.55	708	5.9	43	20	17	15	11	-
		612	3000	.095	19			3.11	1416	23.6	53	37	34	33	31	24
		815	4000	.169	28			4.14	1888	42.0	57	45	41	40	40	35
		1019	5000	.264	35			5.18	2360	65.6	60	50	46	45	46	44
		1223	6000	.380	41			6.21	2832	94.5	62	55	51	50	52	51

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption 10dB, re 10⁻¹² Watts. Dash in space denotes a NC value less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. * Size 30 (face size) available in model REGC5 only.

AIR NOZZLES & ROUND GRILLES

REGC5

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