



**REGC5RD Return Performance Data**

**IP/METRIC DATA: REGC5RD**

IP		NC	Metric Data					Octave Band								
Duct Size	Duct Area		Duct Vel.	Air Flow	Pt	Duct Size	Duct Area	Duct Vel.	Air Flow	Pt	2	3	4	5	6	7
in	ft <sup>2</sup>		FPM	CFM	"WG	mm	m <sup>2</sup>	m/s	L/s	Pa						
6	0.349	215	75	.023	-	152	0.032	1.09	35	5.6	34	16	13	12	-	-
		358	125	.063	13			1.82	59	15.6	41	29	25	24	24	19
		573	200	.160	27			2.91	94	39.9	48	41	37	36	38	38
		788	275	.303	37			4.01	130	75.4	52	49	44	44	47	50
		932	325	.423	43			4.73	153	105.4	55	53	49	48	52	57
8	0.545	275	150	.037	-	203	0.051	1.40	71	9.2	38	20	17	16	13	-
		413	225	.083	14			2.10	106	20.7	43	30	27	26	25	20
		734	400	.263	32			3.73	189	65.4	51	45	41	40	42	42
		963	525	.452	40			4.89	248	112.6	55	52	47	47	50	53
		1101	600	.591	44			5.59	283	147.1	57	55	51	50	54	58
10	0.785	255	200	.032	-	254	0.073	1.29	94	7.9	37	17	14	13	-	-
		446	350	.097	14			2.27	165	24.1	45	31	28	27	26	20
		637	500	.198	25			3.24	236	49.3	50	40	36	35	36	34
		892	700	.388	36			4.53	330	96.6	54	49	45	44	46	47
		1147	900	.641	44			5.83	425	159.6	58	55	51	50	53	57
12	1.068	281	300	.038	-	305	0.099	1.43	142	9.6	39	19	16	15	12	-
		468	500	.107	15			2.38	236	26.6	46	32	29	27	26	21
		749	800	.273	29			3.80	378	68.1	53	44	40	39	40	39
		1030	1100	.517	39			5.23	519	128.7	57	52	48	47	50	51
		1170	1250	.667	43			5.94	590	166.2	59	55	51	50	53	56
14	1.395	287	400	.040	-	356	0.130	1.46	189	10.0	40	20	17	15	12	-
		466	650	.106	14			2.37	307	26.3	47	32	29	27	26	20
		717	1000	.250	28			3.64	472	62.4	53	43	39	38	39	36
		1003	1400	.491	38			5.10	661	122.2	57	51	47	46	48	49
		1218	1700	.724	44			6.19	802	180.2	60	56	52	51	54	57
16	1.766	283	500	.039	-	406	0.164	1.44	236	9.7	40	19	17	15	11	-
		481	850	.113	15			2.45	401	28.1	48	33	29	28	27	20
		680	1200	.225	26			3.45	566	56.1	52	41	38	37	37	34
		963	1700	.452	37			4.89	802	112.5	57	50	46	45	47	47
		1189	2100	.689	43			6.04	991	171.7	60	55	51	51	53	55
18	2.180	321	700	.050	-	457	0.203	1.63	330	12.5	43	23	20	18	15	-
		482	1050	.113	15			2.45	496	28.2	48	33	30	28	27	20
		688	1500	.231	26			3.50	708	57.5	53	42	38	37	37	34
		917	2000	.410	35			4.66	944	102.2	57	49	45	44	46	45
		1193	2600	.693	43			6.06	1227	172.6	61	56	52	51	53	55
20	2.638	303	800	.045	-	508	0.245	1.54	378	11.2	42	21	19	17	13	-
		493	1300	.118	15			2.50	614	29.5	49	34	30	29	28	21
		682	1800	.227	26			3.47	850	56.5	54	42	38	37	37	33
		948	2500	.438	36			4.81	1180	109.0	58	50	46	45	47	46
		1175	3100	.673	43			5.97	1463	167.6	61	56	51	51	53	55
22	3.139	287	900	.040	-	559	0.292	1.46	425	10.0	42	20	18	16	12	-
		478	1500	.111	15			2.43	708	27.7	49	33	30	29	27	19
		701	2200	.239	27			3.56	1038	59.6	54	43	39	38	38	34
		956	3000	.445	36			4.85	1416	110.8	59	51	47	46	47	46
		1210	3800	.714	44			6.15	1793	177.9	62	57	52	52	54	56
24	3.684	271	1000	.036	-	610	0.342	1.38	472	8.9	42	19	17	15	11	-
		489	1800	.116	15			2.48	850	29.0	50	34	31	29	28	20
		679	2500	.224	26			3.45	1180	55.9	55	42	39	38	37	33
		950	3500	.440	36			4.83	1652	109.5	59	51	47	46	47	46
		1221	4500	.727	44			6.20	2124	181.1	63	57	53	52	55	56
30	5.581	269	1500	.035	-	762	0.518	1.37	708	8.8	43	20	17	15	11	-
		538	3000	.141	19			2.73	1416	35.1	53	37	34	33	31	24
		717	4000	.250	28			3.64	1888	62.4	57	45	41	40	40	35
		896	5000	.391	35			4.55	2360	97.4	60	50	46	45	46	44
		1075	6000	.563	41			5.46	2832	140.3	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<sup>-12</sup> Watts. Dash in space denotes a NC value less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70.

AIR NOZZLES & ROUND GRILLES

REGC5

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