

Models 301 RLHD Return 1/2" Spacing 0 Deflection

Nominal Duct Size	Nominal Duct Area (cm ²)	Core Area (cm ²)	Core Velocity, m/s Velocity, m/s Pressure, Pa Neg. Static Pressure, Pa	1.5	2.0	2.5	3.0	3.6	4.1	5.1	6.1	7.1
				1	2	4	6	8	10	16	22	30
				4	8	12	17	23	31	48	69	94
150mm x 150mm	232	177	Air Flow, Liters/s	27	36	45	54	63	72	90	108	126
			NC	-	-	14	18	21	23	28	31	35
200mm x 150mm	307	242	Air Flow, Liters/s	37	49	61	74	86	98	123	147	172
			NC	-	11	15	19	22	25	29	33	36
250mm x 150mm	390	316	Air Flow, Liters/s	48	64	80	96	112	128	160	193	225
			NC	-	12	16	20	23	26	29	34	37
200mm x 200mm	409	344	Air Flow, Liters/s	52	70	87	105	122	140	175	210	244
			NC	-	12	17	20	24	26	31	34	37
300mm x 150mm	465	381	Air Flow, Liters/s	58	77	97	116	135	155	193	232	271
			NC	-	13	17	21	24	27	31	35	38
350mm x 150mm	539	446	Air Flow, Liters/s	68	91	113	136	159	181	227	272	317
			NC	-	13	18	22	25	27	32	35	39
400mm x 150mm			Air Flow, Liters/s	81	108	135	161	188	215	269	323	377
300mm x 200mm	622	530	NC	-	14	19	22	25	28	33	36	39
			Air Flow, Liters/s	84	111	139	167	195	223	278	334	390
250mm x 250mm	641	548	NC	-	14	19	22	26	28	33	36	39
			Air Flow, Liters/s	89	119	149	178	208	238	297	357	416
450mm x 150mm	697	585	NC	-	15	19	23	26	29	33	37	40
500mm x 150mm			Air Flow, Liters/s	102	136	170	204	238	272	340	408	476
300mm x 250mm	771	669	NC	-	15	20	23	26	29	34	37	40
			Air Flow, Liters/s	109	145	182	218	254	291	363	436	509
550mm x 150mm	855	715	NC	-	15	20	24	27	29	34	38	41
600mm x 150mm			Air Flow, Liters/s	125	166	208	249	291	332	415	498	581
300mm x 300mm	929	818	NC	-	16	21	24	27	30	34	38	41
			Air Flow, Liters/s	157	210	262	314	367	419	524	629	733
750mm x 150mm			NC	11	17	22	25	28	31	35	39	42
450mm x 250mm	1161	1031										
			Air Flow, Liters/s	173	230	288	345	403	461	576	691	806
350mm x 350mm	1263	1133	NC	12	17	22	26	29	31	36	40	43
			Air Flow, Liters/s	191	255	319	382	446	510	637	765	892
900mm x 150mm			NC	12	18	22	26	29	32	36	40	43
450mm x 300mm	1394	1254										
			Air Flow, Liters/s	194	259	323	388	453	517	647	776	905
550mm x 250mm	1421	1273	NC	12	18	22	26	29	32	36	40	43
			Air Flow, Liters/s	211	281	352	422	492	563	703	844	984
750mm x 200mm			NC	13	18	23	26	30	32	37	40	43
600mm x 250mm	1551	1384										
			Air Flow, Liters/s	225	300	375	450	525	600	750	900	1051
1050mm x 150mm			NC	13	19	23	27	30	33	37	41	44
450mm x 350mm	1626	1477										
			Air Flow, Liters/s	229	306	382	459	535	612	765	917	1070
400mm x 400mm	1654	1505	NC	13	19	23	27	30	33	37	41	44
			Air Flow, Liters/s	258	344	429	515	601	687	859	1031	1203
600mm x 300mm	1858	1691	NC	13	19	24	27	30	33	38	41	44
450mm x 400mm												
			Air Flow, Liters/s	293	391	488	586	684	782	977	1172	1368
450mm x 450mm	2090	1923	NC	14	20	24	28	31	34	38	42	45
			Air Flow, Liters/s	303	404	505	606	707	808	1010	1212	1414
600mm x 350mm	2165	1988	NC	14	20	24	28	31	34	38	42	45
			Air Flow, Liters/s	324	432	540	648	757	865	1081	1297	1513
750mm x 300mm	2323	2127	NC	14	20	25	28	31	34	39	42	45

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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Nominal Duct Size	Nominal Duct Area (cm ²)	Core Area (cm ²)	Core Velocity, m/s										
			Velocity, m/s Pressure, Pa		1.5	2.0	2.5	3.0	3.6	4.1	5.1	6.1	7.1
			Neg. Static Pressure, Pa		1	2	4	6	8	10	16	22	30
600mm x 400mm	1171	1079	Air Flow, Liters/s	348	464	580	697	813	929	1161	1393	1625	
			NC	15	21	25	29	32	34	39	43	46	
500mm x 500mm	2583	2388	Air Flow, Liters/s	364	485	606	728	849	970	1213	1455	1698	
			NC	15	21	25	29	32	35	39	43	46	
900mm x 300mm	2787	2555	Air Flow, Liters/s	389	519	649	779	909	1038	1298	1557	1817	
			NC	15	21	25	29	32	35	39	43	46	
750mm x 400mm	3094	2889	Air Flow, Liters/s	440	587	734	881	1027	1174	1468	1761	2055	
			NC	16	22	26	30	33	35	40	44	47	
550mm x 550mm	3122	2917	Air Flow, Liters/s	445	593	741	889	1037	1186	1482	1778	2075	
			NC	16	22	26	30	33	35	40	44	47	
1050mm x 300mm	3252	2991	Air Flow, Liters/s	456	608	760	912	1064	1216	1520	1824	2128	
			NC	16	22	26	30	33	36	40	44	47	
600mm x 550mm	3410	3187	Air Flow, Liters/s	486	648	809	971	1133	1295	1619	1943	2266	
			NC	16	22	26	30	33	36	40	44	47	
750mm x 450mm	3484	3252	Air Flow, Liters/s	496	661	826	991	1156	1321	1652	1982	2313	
			NC	16	22	27	30	33	36	40	44	47	
1200mm x 300mm	3716	3484	Air Flow, Liters/s	531	708	885	1062	1239	1416	1770	2124	2478	
			NC	17	22	27	30	34	36	41	44	48	
900mm x 450mm	4181	3921	Air Flow, Liters/s	597	797	996	1195	1394	1593	1992	2390	2788	
			NC	17	23	27	31	34	37	41	45	48	
900mm x 500mm	4645	4376	Air Flow, Liters/s	667	889	1111	1334	1556	1778	2223	2667	3112	
			NC	18	23	28	31	35	37	42	45	48	
1050mm x 450mm	4877	4589	Air Flow, Liters/s	699	933	1166	1399	1632	1865	2331	2798	3264	
			NC	18	24	28	32	35	37	42	46	49	
700mm x 700mm	5054	4794	Air Flow, Liters/s	731	974	1218	1461	1705	1948	2435	2922	3409	
			NC	18	24	28	32	35	38	42	46	49	
1050mm x 500mm	5416	5119	Air Flow, Liters/s	780	1040	1300	1560	1820	2080	2600	3121	3641	
			NC	18	24	28	32	35	38	42	46	49	
1200mm x 450mm	5574	5258	Air Flow, Liters/s	801	1068	1336	1603	1870	2137	2671	3205	3740	
			NC	18	24	29	32	35	38	43	46	49	
750mm x 750mm	5806	5518	Air Flow, Liters/s	841	1121	1402	1682	1962	2243	2803	3364	3925	
			NC	19	24	29	32	36	38	43	46	49	
1050mm x 600mm	6503	6187	Air Flow, Liters/s	943	1257	1572	1886	2200	2515	3143	3772	4400	
			NC	19	25	29	33	36	39	43	47	50	
1150mm x 550mm	6531	6206	Air Flow, Liters/s	946	1261	1576	1892	2207	2522	3153	3783	4414	
			NC	19	25	29	33	36	39	43	47	50	
800mm x 800mm	6605	6299	Air Flow, Liters/s	960	1280	1600	1920	2240	2560	3200	3840	4480	
			NC	19	25	29	33	36	39	43	47	50	
900mm x 750mm	6968	6652	Air Flow, Liters/s	1014	1352	1690	2027	2365	2703	3379	4055	4731	
			NC	19	25	30	33	36	39	44	47	50	
1200mm x 600mm	7432	7089	Air Flow, Liters/s	1080	1440	1800	2161	2521	2881	3601	4321	5041	
			NC	20	25	30	34	37	39	44	47	51	
850mm x 850mm	7460	7135	Air Flow, Liters/s	1087	1450	1812	2175	2537	2900	3625	4349	5074	
			NC	20	25	30	34	37	39	44	48	51	
			Air Flow, Liters/s	1153	1537	1921	2305	2689	3073	3842	4610	5378	

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			Velocity, m/s Pressure, Pa		1.5	2.0	2.5	3.0	3.6	4.1	5.1	6.1	7.1
			Neg. Static Pressure, Pa		1	2	4	6	8	10	16	22	30
1050mm x 750mm	8129	7785	Air Flow, cfm	1186	1582	1977	2373	2768	3164	3955	4746	5537	
			NC	20	26	30	34	37	40	44	48	51	
900mm x 900mm	8361	8018	Air Flow, cfm	1222	1629	2036	2444	2851	3258	4073	4888	5702	
			NC	20	26	30	34	37	40	44	48	51	
1050mm x 850mm 1200mm x 750mm	9290	8919	Air Flow, cfm	1359	1812	2265	2718	3172	3625	4531	5437	6343	
			NC	21	26	31	35	38	40	45	48	52	
950mm x 950mm	9318	8956	Air Flow, cfm	1365	1820	2275	2730	3185	3640	4550	5460	6369	
			NC	21	26	31	35	38	40	45	49	52	
1050mm x 900mm	9755	9383	Air Flow, cfm	1430	1907	2383	2860	3337	3813	4767	5720	6673	
			NC	21	27	31	35	38	41	45	49	52	
1150mm x 850mm	10089	9708	Air Flow, cfm	1480	1973	2466	2959	3452	3946	4932	5918	6905	
			NC	21	27	31	35	38	41	45	49	52	
1050mm x 950mm	10294	9913	Air Flow, cfm	1511	2014	2518	3021	3525	4029	5036	6043	7050	
			NC	21	27	31	35	38	41	45	49	52	
1000mm x 1000mm	10322	9941	Air Flow, cfm	1515	2020	2525	3030	3535	4040	5050	6060	7070	
			NC	21	27	31	35	38	41	45	49	52	
1200mm x 900mm	11148	10749	Air Flow, cfm	1638	2184	2730	3276	3822	4368	5460	6553	7645	
			NC	21	27	32	35	38	41	46	49	52	
1050mm x 1050mm	11381	10981	Air Flow, cfm	1674	2231	2789	3347	3905	4463	5578	6694	7810	
			NC	22	27	32	35	39	41	46	49	52	
1100mm x 1100mm	12486	12068	Air Flow, cfm	1839	2452	3065	3678	4291	4905	6131	7357	8583	
			NC	22	28	32	36	39	42	46	50	53	
1200mm x 1050mm	13006	12579	Air Flow, cfm	1917	2556	3195	3834	4473	5112	6390	7668	8946	
			NC	22	28	32	36	39	42	46	50	53	
1150mm x 1150mm	13648	13211	Air Flow, cfm	2013	2684	3356	4027	4698	5369	6711	8053	9396	
			NC	22	28	33	36	39	42	47	50	53	
1200mm x 1150mm	14242	13796	Air Flow, cfm	2103	2803	3504	4205	4906	5607	7008	8410	9812	
			NC	23	28	33	36	40	42	47	50	53	
1200mm x 1200mm	14865	14400	Air Flow, cfm	2195	2926	3658	4389	5121	5852	7315	8778	10241	
			NC	23	28	33	37	40	42	47	51	54	

* Static pressure are negative, in Pascal, measured per ASHRAE 70-91

* NC based on room absorption of 10dB, re 10-12 watts, measured per ASHRAE 70-91

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