

Models 8F, 8R, & 8SS Perforated

rev 09/05/97

Nominal Duct Size	Nominal Duct Area (m ²)	Core Area (m ²)	Core Velocity (m/s) Velocity Pressure (Pa) Neg. Static Pressure (Pa)	NC -10					NC -20			NC -30	
				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	
150mm x 150mm	0.02	0.02	Air Flow, l/s	27	36	45	54	63	72	90	108	126	
			NC	-	-	-	-	13	16	21	26	30	
200mm x 150mm	0.03	0.02	Air Flow, l/s	37	49	61	74	86	98	123	147	172	
			NC	-	-	-	-	14	17	23	27	31	
250mm x 150mm	0.04	0.03	Air Flow, l/s	48	64	80	96	112	128	160	193	225	
			NC	-	-	-	11	15	18	24	28	32	
200mm x 200mm	0.04	0.03	Air Flow, l/s	52	70	87	105	122	140	175	210	244	
			NC	-	-	-	12	15	19	24	29	33	
300mm x 150mm	0.05	0.04	Air Flow, l/s	58	77	97	116	135	155	193	232	271	
			NC	-	-	-	12	16	19	25	29	33	
350mm x 150mm	0.05	0.04	Air Flow, l/s	68	91	113	136	159	181	227	272	317	
			NC	-	-	-	13	17	20	25	30	34	
400mm x 150mm 300mm x 200mm	0.06	0.05	Air Flow, l/s	81	108	135	161	188	215	269	323	377	
			NC	-	-	-	14	17	21	26	31	34	
250mm x 250mm	0.06	0.05	Air Flow, l/s	84	111	139	167	195	223	278	334	390	
			NC	-	-	-	14	18	21	26	31	35	
450mm x 150mm	0.07	0.06	Air Flow, l/s	89	119	149	178	208	238	297	357	416	
			NC	-	-	-	14	18	21	27	31	35	
500mm x 150mm 300mm x 250mm	0.08	0.07	Air Flow, l/s	102	136	170	204	238	272	340	408	476	
			NC	-	-	-	15	18	22	27	32	35	
550mm x 150mm	0.09	0.07	Air Flow, l/s	109	145	182	218	254	291	363	436	509	
			NC	-	-	-	15	19	22	27	32	36	
600mm x 150mm 300mm x 300mm	0.09	0.08	Air Flow, l/s	125	166	208	249	291	332	415	498	581	
			NC	-	-	11	15	19	23	28	32	36	
750mm x 150mm 450mm x 250mm	0.12	0.10	Air Flow, l/s	157	210	262	314	367	419	524	629	733	
			NC	-	-	12	16	20	24	29	33	37	
350mm x 350mm	0.13	0.11	Air Flow, l/s	173	230	288	345	403	461	576	691	806	
			NC	-	-	12	17	21	24	29	34	38	
900mm x 150mm 450mm x 300mm	0.14	0.13	Air Flow, l/s	191	255	319	382	446	510	637	765	892	
			NC	-	-	13	17	21	24	30	34	38	
550mm x 250mm	0.14	0.13	Air Flow, l/s	194	259	323	388	453	517	647	776	905	
			NC	-	-	13	17	21	24	30	34	38	
750mm x 200mm 600mm x 250mm	0.16	0.14	Air Flow, l/s	211	281	352	422	492	563	703	844	984	
			NC	-	-	13	18	22	25	30	35	39	
1050mm x 150mm 450mm x 350mm	0.16	0.15	Air Flow, l/s	225	300	375	450	525	600	750	900	1051	
			NC	-	-	14	18	22	25	31	35	39	
400mm x 400mm	0.17	0.15	Air Flow, l/s	229	306	382	459	535	612	765	917	1070	
			NC	-	-	14	18	22	25	31	35	39	
600mm x 300mm 450mm x 400mm	0.19	0.17	Air Flow, l/s	258	344	429	515	601	687	859	1031	1203	
			NC	-	-	14	19	22	26	31	36	39	
450mm x 450mm	0.21	0.19	Air Flow, l/s	293	391	488	586	684	782	977	1172	1368	
			NC	-	-	15	19	23	26	32	36	40	
600mm x 350mm	0.22	0.20	Air Flow, l/s	303	404	505	606	707	808	1010	1212	1414	
			NC	-	-	15	19	23	26	32	36	40	
750mm x 300mm	0.23	0.21	Air Flow, l/s	324	432	540	648	757	865	1081	1297	1513	
			NC	-	-	15	20	23	27	32	37	40	

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 (m ²)	Core Area (m ²)	Core Velocity (m/s) Velocity Pressure (Pa) Neg. Static Pressure (Pa)	NC -10		NC -20		NC -30			NC -40	
				1.5	2.0	2.5	3.0	3.6	4.1	5.1	6.1	7.1
600mm x 400mm	0.25	0.23	Air Flow, l/s	348	464	580	697	813	929	1161	1393	1625
			NC	-	-	15	20	24	27	32	37	41
500mm x 500mm	0.26	0.24	Air Flow, l/s	364	485	606	728	849	970	1213	1455	1698
			NC	-	-	16	20	24	27	33	37	41
900mm x 300mm	0.28	0.26	Air Flow, l/s	389	519	649	779	909	1038	1298	1557	1817
			NC	-	-	16	20	24	27	33	37	41
750mm x 400mm	0.31	0.29	Air Flow, l/s	440	587	734	881	1027	1174	1468	1761	2055
600mm x 500mm			NC	-	11	16	21	25	28	33	38	42
550mm x 550mm	0.31	0.29	Air Flow, l/s	445	593	741	889	1037	1186	1482	1778	2075
			NC	-	11	17	21	25	28	34	38	42
1050mm x 300mm			Air Flow, l/s	456	608	760	912	1064	1216	1520	1824	2128
900mm x 350mm	0.33	0.30	NC	-	11	17	21	25	28	34	38	42
600mm x 550mm	0.34	0.32	Air Flow, l/s	486	648	809	971	1133	1295	1619	1943	2266
			NC	-	11	17	21	25	28	34	38	42
750mm x 450mm	0.35	0.33	Air Flow, l/s	496	661	826	991	1156	1321	1652	1982	2313
			NC	-	12	17	21	25	29	34	38	42
1200mm x 300mm			Air Flow, l/s	531	708	885	1062	1239	1416	1770	2124	2478
600mm x 600mm	0.37	0.35	NC	-	12	17	22	26	29	34	39	43
900mm x 450mm	0.42	0.39	Air Flow, l/s	597	797	996	1195	1394	1593	1992	2390	2788
			NC	-	12	18	22	26	29	35	39	43
900mm x 500mm			Air Flow, l/s	667	889	1111	1334	1556	1778	2223	2667	3112
750mm x 600mm	0.46	0.44	NC	-	13	18	23	27	30	35	40	44
1050mm x 450mm	0.49	0.46	Air Flow, l/s	699	933	1166	1399	1632	1865	2331	2798	3264
			NC	-	13	18	23	27	30	36	40	44
700mm x 700mm	0.51	0.48	Air Flow, l/s	731	974	1218	1461	1705	1948	2435	2922	3409
			NC	-	13	19	23	27	30	36	40	44
1050mm x 500mm			Air Flow, l/s	780	1040	1300	1560	1820	2080	2600	3121	3641
750mm x 700mm	0.54	0.51	NC	-	13	19	23	27	30	36	40	44
1200mm x 450mm			Air Flow, l/s	801	1068	1336	1603	1870	2137	2671	3205	3740
900mm x 600mm	0.56	0.53	NC	-	14	19	24	27	31	36	41	44
750mm x 750mm	0.58	0.55	Air Flow, l/s	841	1121	1402	1682	1962	2243	2803	3364	3925
			NC	-	14	19	24	28	31	36	41	45
1050mm x 600mm			Air Flow, l/s	943	1257	1572	1886	2200	2515	3143	3772	4400
900mm x 700mm	0.65	0.62	NC	-	14	20	24	28	31	37	41	45
1150mm x 550mm	0.65	0.62	Air Flow, l/s	946	1261	1576	1892	2207	2522	3153	3783	4414
			NC	-	14	20	24	28	31	37	41	45
800mm x 800mm	0.66	0.63	Air Flow, l/s	960	1280	1600	1920	2240	2560	3200	3840	4480
			NC	-	14	20	24	28	31	37	41	45
900mm x 750mm	0.70	0.67	Air Flow, l/s	1014	1352	1690	2027	2365	2703	3379	4055	4731
			NC	-	15	20	25	28	32	37	42	45
1200mm x 600mm			Air Flow, l/s	1080	1440	1800	2161	2521	2881	3601	4321	5041
900mm x 800mm	0.74	0.71	NC	-	15	20	25	29	32	37	42	46
850mm x 850mm	0.75	0.71	Air Flow, l/s	1087	1450	1812	2175	2537	2900	3625	4349	5074
			NC	-	15	20	25	29	32	37	42	46
900mm x 850mm	0.79	0.76	Air Flow, l/s	1153	1537	1921	2305	2689	3073	3842	4610	5378
			NC	-	15	21	25	29	32	38	42	46

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				1.5	2.0	2.5	3.0	3.6	4.1	5.1	6.1	
1050mm x 750mm	0.81	0.78	Air Flow, l/s NC	1186 -	1582 15	1977 21	2373 25	2768 29	3164 32	3955 38	4746 42	5537 46
900mm x 900mm	0.84	0.80	Air Flow, l/s NC	1222 -	1629 15	2036 21	2444 25	2851 29	3258 32	4073 38	4888 42	5702 46
1050mm x 850mm 1200mm x 750mm	0.93	0.89	Air Flow, l/s NC	1359 -	1812 16	2265 21	2718 26	3172 30	3625 33	4531 38	5437 43	6343 47
950mm x 950mm	0.93	0.90	Air Flow, l/s NC	1365 -	1820 16	2275 21	2730 26	3185 30	3640 33	4550 38	5460 43	6369 47
1050mm x 900mm	0.98	0.94	Air Flow, l/s NC	1430 -	1907 16	2383 22	2860 26	3337 30	3813 33	4767 39	5720 43	6673 47
1150mm x 850mm	1.01	0.97	Air Flow, l/s NC	1480 -	1973 16	2466 22	2959 26	3452 30	3946 33	4932 39	5918 43	6905 47
1050mm x 950mm	1.03	0.99	Air Flow, l/s NC	1511 -	2014 16	2518 22	3021 26	3525 30	4029 33	5036 39	6043 43	7050 47
1000mm x 1000mm	1.03	0.99	Air Flow, l/s NC	1515 -	2020 16	2525 22	3030 26	3535 30	4040 33	5050 39	6060 43	7070 47
1200mm x 900mm	1.11	1.07	Air Flow, l/s NC	1638 -	2184 17	2730 22	3276 27	3822 30	4368 34	5460 39	6553 44	7645 47
1050mm x 1050mm	1.14	1.10	Air Flow, l/s NC	1674 -	2231 17	2789 22	3347 27	3905 31	4463 34	5578 39	6694 44	7810 48
1100mm x 1100mm	1.25	1.21	Air Flow, l/s NC	1839 -	2452 17	3065 23	3678 27	4291 31	4905 34	6131 40	7357 44	8583 48
1200mm x 1050mm	1.30	1.26	Air Flow, l/s NC	1917 -	2556 17	3195 23	3834 27	4473 31	5112 34	6390 40	7668 44	8946 48
1150mm x 1150mm	1.36	1.32	Air Flow, l/s NC	2013 11	2684 18	3356 23	4027 28	4698 31	5369 35	6711 40	8053 45	9396 48
1200mm x 1150mm	1.42	1.38	Air Flow, l/s NC	2103 11	2803 18	3504 23	4205 28	4906 32	5607 35	7008 40	8410 45	9812 49
1200mm x 1200mm	1.49	1.44	Air Flow, l/s NC	2195 11	2926 18	3658 23	4389 28	5121 32	5852 35	7315 40	8778 45	10241 49

- Static pressure are negative, in Pascal, measured per ASHRAE 70-91
- NC based on absorption of 10dB, re 10-10 watts, measured per ASHRAE 70-91

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