



Models 3F,4F Return Aluminum

Nominal Duct Size	Nominal Duct Area ( m <sup>2</sup> )	Core Area ( m <sup>2</sup> )	Core Velocity, m/s									
			Velocity Pressure, Pa									
			3F Neg. Static Pressure, Pa									
			4F Neg. Static Pressure, Pa									
			0.5	1.0	1.5	2.0	2.5	3.0	3.6	4.1	4.6	
150mm x 150mm	0.02	0.02	Air Flow, l/s	9	18	27	36	45	54	63	72	81
			NC	-	-	12	19	24	29	32	36	39
200mm x 150mm	0.03	0.02	Air Flow, l/s	12	25	37	49	61	74	86	98	110
			NC	-	-	13	20	26	30	34	37	40
250mm x 150mm	0.04	0.03	Air Flow, l/s	16	32	48	64	80	96	112	128	144
			NC	-	-	14	21	27	31	35	38	41
200mm x 200mm	0.04	0.03	Air Flow, l/s	17	35	52	70	87	105	122	140	157
			NC	-	-	15	22	27	32	35	39	41
300mm x 150mm	0.05	0.04	Air Flow, l/s	19	39	58	77	97	116	135	155	174
			NC	-	-	15	22	28	32	36	39	42
350mm x 150mm	0.05	0.04	Air Flow, l/s	23	45	68	91	113	136	159	181	204
			NC	-	-	16	23	28	33	36	40	43
400mm x 150mm			Air Flow, l/s	27	54	81	108	135	161	188	215	242
300mm x 200mm	0.06	0.05	NC	-	-	16	24	29	33	37	40	43
250mm x 250mm	0.06	0.05	Air Flow, l/s	28	56	84	111	139	167	195	223	251
			NC	-	-	17	24	29	34	37	41	44
450mm x 150mm	0.07	0.06	Air Flow, l/s	30	59	89	119	149	178	208	238	268
			NC	-	-	17	24	29	34	38	41	44
500mm x 150mm			Air Flow, l/s	34	68	102	136	170	204	238	272	306
300mm x 250mm	0.08	0.07	NC	-	-	17	25	30	34	38	42	44
550mm x 150mm	0.09	0.07	Air Flow, l/s	36	73	109	145	182	218	254	291	327
			NC	-	-	18	25	30	35	39	42	45
600mm x 150mm			Air Flow, l/s	42	83	125	166	208	249	291	332	374
300mm x 300mm	0.09	0.08	NC	-	-	18	25	31	35	39	42	45
750mm x 150mm			Air Flow, l/s	52	105	157	210	262	314	367	419	471
450mm x 250mm	0.12	0.10	NC	-	-	19	26	32	36	40	43	46
350mm x 350mm	0.13	0.11	Air Flow, l/s	58	115	173	230	288	345	403	461	518
			NC	-	-	20	27	32	37	41	44	47
900mm x 150mm			Air Flow, l/s	64	127	191	255	319	382	446	510	573
450mm x 300mm	0.14	0.13	NC	-	-	20	27	33	37	41	44	47
550mm x 250mm	0.14	0.13	Air Flow, l/s	65	129	194	259	323	388	453	517	582
			NC	-	-	20	27	33	37	41	44	47
750mm x 200mm			Air Flow, l/s	70	141	211	281	352	422	492	563	633
600mm x 250mm	0.16	0.14	NC	-	11	21	28	33	38	41	45	48
1050mm x 150mm			Air Flow, l/s	75	150	225	300	375	450	525	600	675
450mm x 350mm	0.16	0.15	NC	-	11	21	28	33	38	42	45	48
400mm x 400mm	0.17	0.15	Air Flow, l/s	76	153	229	306	382	459	535	612	688
			NC	-	11	21	28	34	38	42	45	48
600mm x 300mm	0.19	0.17	Air Flow, l/s	86	172	258	344	429	515	601	687	773
450mm x 400mm			NC	-	12	22	29	34	38	42	46	48
450mm x 450mm	0.21	0.19	Air Flow, l/s	98	195	293	391	488	586	684	782	879
			NC	-	12	22	29	35	39	43	46	49
600mm x 350mm	0.22	0.20	Air Flow, l/s	101	202	303	404	505	606	707	808	909
			NC	-	12	22	29	35	39	43	46	49
750mm x 300mm	0.23	0.21	Air Flow, l/s	108	216	324	432	540	648	757	865	973
			NC	-	13	23	30	35	39	43	47	49
600mm x 400mm	0.25	0.23	Air Flow, l/s	116	232	348	464	580	697	813	929	1045
			NC	-	13	23	30	35	40	44	47	50

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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			0.5	1.0	1.5	2.0	2.5	3.0	3.6	4.1	4.6	
			Velocity Pressure, Pa	0	1	1	2	4	6	8	10	13
			3F Neg. Static Pressure, Pa	1	4	10	18	28	40	55	72	91
			4F Neg. Static Pressure, Pa	1	3	7	12	19	28	38	50	63
1200mm x 300mm			Air Flow, l/s	177	354	531	708	885	1062	1239	1416	1593
600mm x 600mm	0.37	0.35	NC	-	15	25	32	37	42	45	49	52
900mm x 450mm	0.42	0.39	Air Flow, l/s	199	398	597	797	996	1195	1394	1593	1792
900mm x 500mm			NC	-	15	25	32	38	42	46	49	52
750mm x 600mm	0.46	0.44	Air Flow, l/s	222	445	667	889	1111	1334	1556	1778	2001
1050mm x 450mm	0.49	0.46	NC	-	16	26	33	38	43	46	50	53
700mm x 700mm	0.51	0.48	Air Flow, l/s	233	466	699	933	1166	1399	1632	1865	2098
1050mm x 500mm			NC	-	16	26	33	38	43	47	50	53
750mm x 700mm	0.54	0.51	Air Flow, l/s	244	487	731	974	1218	1461	1705	1948	2192
1200mm x 450mm			NC	-	16	26	33	39	43	47	50	53
900mm x 600mm	0.56	0.53	Air Flow, l/s	260	520	780	1040	1300	1560	1820	2080	2340
750mm x 750mm	0.58	0.55	NC	-	16	26	33	39	43	47	50	53
1050mm x 600mm	0.65	0.62	Air Flow, l/s	267	534	801	1068	1336	1603	1870	2137	2404
900mm x 700mm			NC	-	17	26	33	39	43	47	50	53
1150mm x 550mm	0.65	0.62	Air Flow, l/s	280	561	841	1121	1402	1682	1962	2243	2523
800mm x 800mm	0.66	0.63	NC	-	17	27	34	39	44	47	51	54
900mm x 750mm	0.70	0.67	Air Flow, l/s	314	629	943	1257	1572	1886	2200	2515	2829
1200mm x 600mm	0.74	0.71	NC	-	17	27	34	40	44	48	51	54
900mm x 800mm	0.75	0.71	Air Flow, l/s	315	631	946	1261	1576	1892	2207	2522	2837
850mm x 850mm	0.79	0.76	NC	-	17	27	34	40	44	48	51	54
900mm x 850mm	0.79	0.76	Air Flow, l/s	320	640	960	1280	1600	1920	2240	2560	2880
1050mm x 750mm	0.81	0.78	NC	-	17	27	34	40	44	48	51	54
900mm x 900mm	0.84	0.80	Air Flow, l/s	338	676	1014	1352	1690	2027	2365	2703	3041
1050mm x 850mm	0.93	0.89	NC	-	18	27	35	40	44	48	51	54
1200mm x 750mm	0.93	0.89	Air Flow, l/s	360	720	1080	1440	1800	2161	2521	2881	3241
950mm x 950mm	0.93	0.90	NC	-	18	28	35	40	45	48	52	55
1050mm x 900mm	0.98	0.94	Air Flow, l/s	362	725	1087	1450	1812	2175	2537	2900	3262
1150mm x 850mm	1.01	0.97	NC	-	18	28	35	40	45	49	52	55
1000mm x 1000mm	1.03	0.99	Air Flow, l/s	384	768	1153	1537	1921	2305	2689	3073	3458
1200mm x 900mm	1.11	1.07	NC	-	18	28	35	40	44	48	51	54
			Air Flow, l/s	395	791	1186	1582	1977	2373	2768	3164	3559
			NC	-	18	28	35	41	45	49	52	55
			Air Flow, l/s	407	815	1222	1629	2036	2444	2851	3258	3666
			NC	-	18	28	35	41	45	49	52	55
			Air Flow, l/s	453	906	1359	1812	2265	2718	3172	3625	4078
			NC	-	19	29	36	41	46	49	53	56
			Air Flow, l/s	455	910	1365	1820	2275	2730	3185	3640	4095
			NC	-	19	29	36	41	46	50	53	56
			Air Flow, l/s	477	953	1430	1907	2383	2860	3337	3813	4290
			NC	-	19	29	36	41	46	50	53	56
			Air Flow, l/s	493	986	1480	1973	2466	2959	3452	3946	4439
			NC	-	19	29	36	42	46	50	53	56
			Air Flow, l/s	504	1007	1511	2014	2518	3021	3525	4029	4532
			NC	-	19	29	36	42	46	50	53	56
			Air Flow, l/s	505	1010	1515	2020	2525	3030	3535	4040	4545
			NC	-	19	29	36	42	46	50	53	56
			Air Flow, l/s	546	1092	1638	2184	2730	3276	3822	4368	4914
			NC	-	20	30	37	42	47	50	54	56

- 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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