

Models 25R Return 12.5 mm Spacing 30° Deflection

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	4.6	5.1	5.6	
				1	2	4	6	8	10	13	16	19	
150mm x 150mm	0.02	0.02	Air Flow, l/s	27	36	45	54	63	72	81	90	99	
			NC	-	-	13	21	27	33	38	43	47	
200mm x 150mm	0.03	0.02	Air Flow, l/s	37	49	61	74	86	98	110	123	135	
			NC	-	-	14	22	29	34	40	44	48	
250mm x 150mm	0.04	0.03	Air Flow, l/s	48	64	80	96	112	128	144	160	177	
			NC	-	-	15	23	30	36	41	45	49	
200mm x 200mm	0.04	0.03	Air Flow, l/s	52	70	87	105	122	140	157	175	192	
			NC	-	-	16	23	30	36	41	46	50	
300mm x 150mm	0.05	0.04	Air Flow, l/s	58	77	97	116	135	155	174	193	213	
			NC	-	-	16	24	31	36	41	46	50	
350mm x 150mm	0.05	0.04	Air Flow, l/s	68	91	113	136	159	181	204	227	249	
			NC	-	-	17	25	31	37	42	47	51	
400mm x 150mm	0.06	0.05	Air Flow, l/s	81	108	135	161	188	215	242	269	296	
			NC	-	-	17	25	32	38	43	47	52	
250mm x 250mm	0.06	0.05	Air Flow, l/s	84	111	139	167	195	223	251	278	306	
			NC	-	-	18	26	32	38	43	48	52	
450mm x 150mm	0.07	0.06	Air Flow, l/s	89	119	149	178	208	238	268	297	327	
			NC	-	-	18	26	32	38	43	48	52	
500mm x 150mm	0.08	0.07	Air Flow, l/s	102	136	170	204	238	272	306	340	374	
			NC	-	-	19	26	33	39	44	48	53	
550mm x 150mm	0.09	0.07	Air Flow, l/s	109	145	182	218	254	291	327	363	400	
			NC	-	-	19	27	33	39	44	49	53	
600mm x 150mm	0.09	0.08	Air Flow, l/s	125	166	208	249	291	332	374	415	457	
			NC	-	-	19	27	34	40	45	49	53	
750mm x 150mm	0.12	0.10	Air Flow, l/s	157	210	262	314	367	419	471	524	576	
			NC	-	11	20	28	35	41	46	50	54	
350mm x 350mm	0.13	0.11	Air Flow, l/s	173	230	288	345	403	461	518	576	633	
			NC	-	11	21	29	35	41	46	51	55	
900mm x 150mm	0.14	0.13	Air Flow, l/s	191	255	319	382	446	510	573	637	701	
			NC	-	12	21	29	36	42	47	51	55	
550mm x 250mm	0.14	0.13	Air Flow, l/s	194	259	323	388	453	517	582	647	711	
			NC	-	12	21	29	36	42	47	51	55	
750mm x 200mm	0.16	0.14	Air Flow, l/s	211	281	352	422	492	563	633	703	774	
			NC	-	12	22	30	36	42	47	52	56	
1050mm x 150mm	0.16	0.15	Air Flow, l/s	225	300	375	450	525	600	675	750	825	
			NC	-	12	22	30	36	42	47	52	56	
400mm x 400mm	0.17	0.15	Air Flow, l/s	229	306	382	459	535	612	688	765	841	
			NC	-	12	22	30	37	42	47	52	56	
600mm x 300mm	0.19	0.17	Air Flow, l/s	258	344	429	515	601	687	773	859	945	
			NC	-	13	23	30	37	43	48	53	57	
450mm x 450mm	0.21	0.19	Air Flow, l/s	293	391	488	586	684	782	879	977	1075	
			NC	-	13	23	31	38	43	49	53	57	
600mm x 350mm	0.22	0.20	Air Flow, l/s	303	404	505	606	707	808	909	1010	1111	
			NC	-	14	23	31	38	44	49	53	57	
750mm x 300mm	0.23	0.21	Air Flow, l/s	324	432	540	648	757	865	973	1081	1189	
			NC	-	14	24	31	38	44	49	54	58	

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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				1.5	2.0	2.5	3.0	3.6	4.1	4.6	5.1	5.6	
				1	2	4	6	8	10	13	16	19	
600mm x 400mm	0.25	0.23	Air Flow, l/s	348	464	580	697	813	929	1045	1161	1277	
			NC	-	14	24	32	38	44	49	54	58	
500mm x 500mm	0.26	0.24	Air Flow, l/s	364	485	606	728	849	970	1092	1213	1334	
			NC	-	14	24	32	39	44	49	54	58	
900mm x 300mm	0.28	0.26	Air Flow, l/s	389	519	649	779	909	1038	1168	1298	1428	
			NC	-	15	24	32	39	45	50	54	58	
750mm x 400mm 600mm x 500mm	0.31	0.29	Air Flow, l/s	440	587	734	881	1027	1174	1321	1468	1615	
			NC	-	15	25	33	39	45	50	55	59	
550mm x 550mm	0.31	0.29	Air Flow, l/s	445	593	741	889	1037	1186	1334	1482	1630	
			NC	-	15	25	33	39	45	50	55	59	
1050mm x 300mm 900mm x 350mm	0.33	0.30	Air Flow, l/s	456	608	760	912	1064	1216	1368	1520	1672	
			NC	-	15	25	33	40	45	50	55	59	
600mm x 550mm	0.34	0.32	Air Flow, l/s	486	648	809	971	1133	1295	1457	1619	1781	
			NC	-	16	25	33	40	46	51	55	59	
750mm x 450mm	0.35	0.33	Air Flow, l/s	496	661	826	991	1156	1321	1487	1652	1817	
			NC	-	16	25	33	40	46	51	55	59	
1200mm x 300mm 600mm x 600mm	0.37	0.35	Air Flow, l/s	531	708	885	1062	1239	1416	1593	1770	1947	
			NC	-	16	26	34	40	46	51	56	60	
900mm x 450mm	0.42	0.39	Air Flow, l/s	597	797	996	1195	1394	1593	1792	1992	2191	
			NC	-	17	26	34	41	47	52	56	60	
900mm x 500mm 750mm x 600mm	0.46	0.44	Air Flow, l/s	667	889	1111	1334	1556	1778	2001	2223	2445	
			NC	-	17	27	35	41	47	52	57	61	
1050mm x 450mm	0.49	0.46	Air Flow, l/s	699	933	1166	1399	1632	1865	2098	2331	2565	
			NC	-	17	27	35	41	47	52	57	61	
700mm x 700mm	0.51	0.48	Air Flow, l/s	731	974	1218	1461	1705	1948	2192	2435	2679	
			NC	-	17	27	35	42	47	52	57	61	
1050mm x 500mm 750mm x 700mm	0.54	0.51	Air Flow, l/s	780	1040	1300	1560	1820	2080	2340	2600	2860	
			NC	-	18	27	35	42	48	53	57	61	
1200mm x 450mm 900mm x 600mm	0.56	0.53	Air Flow, l/s	801	1068	1336	1603	1870	2137	2404	2671	2938	
			NC	-	18	27	35	42	48	53	57	62	
750mm x 750mm	0.58	0.55	Air Flow, l/s	841	1121	1402	1682	1962	2243	2523	2803	3084	
			NC	-	18	28	36	42	48	53	58	62	
1050mm x 600mm 900mm x 700mm	0.65	0.62	Air Flow, l/s	943	1257	1572	1886	2200	2515	2829	3143	3458	
			NC	-	19	28	36	43	48	54	58	62	
1150mm x 550mm	0.65	0.62	Air Flow, l/s	946	1261	1576	1892	2207	2522	2837	3153	3468	
			NC	-	19	28	36	43	49	54	58	62	
800mm x 800mm	0.66	0.63	Air Flow, l/s	960	1280	1600	1920	2240	2560	2880	3200	3520	
			NC	-	19	28	36	43	49	54	58	62	
900mm x 750mm	0.70	0.67	Air Flow, l/s	1014	1352	1690	2027	2365	2703	3041	3379	3717	
			NC	-	19	28	36	43	49	54	58	63	
1200mm x 600mm 900mm x 800mm	0.74	0.71	Air Flow, l/s	1080	1440	1800	2161	2521	2881	3241	3601	3961	
			NC	-	19	29	37	43	49	54	59	63	
850mm x 850mm	0.75	0.71	Air Flow, l/s	1087	1450	1812	2175	2537	2900	3262	3625	3987	
			NC	-	19	29	37	43	49	54	59	63	
900mm x 850mm	0.79	0.76	Air Flow, l/s	1153	1537	1921	2305	2689	3073	3458	3842	4226	
			NC	-	19	29	37	44	49	54	59	63	

* 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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