

Models 300R, 300F, 301R, &301F Supply

			NC 20				NC 30				
Nominal Duct Size	Nominal Duct Area m2	Core Area m2	Core Velocity, (m/s)		1.5	2.0	2.5	3.0	3.5	4.0	5.0
			Velocity Pressure		1	2	4	6	8	10	16
Total Pressure (pa.)			0°	4	7	11	16	22	29	45	
			22.5°	5	8	13	18	25	33	51	
			45°	7	12	19	28	38	49	77	
150mm x 150mm	0.3	0.19	Air Flow, Liters/s		27	36	45	54	63	72	90
			NC		-	-	-	15	20	24	31
			Throw (m) 0°		1.5 - 2.3 - 4.3	2.3 - 3 - 5	2.5 - 3.8 - 5.5	3 - 4.3 - 6	3.8 - 4.5 - 6.5	4 - 5 - 7	4.5 - 5.5 - 7.5
			22.5°		1.3 - 1.8 - 3.3	1.5 - 2.5 - 3.8	1.8 - 3 - 4.3	2.5 - 3.3 - 4.5	2.8 - 3.8 - 5	3 - 3.8 - 5.5	3.3 - 4.3 - 6
			45°		0.5 - 1 - 1.8	1 - 1.3 - 2.3	1.3 - 1.8 - 2.5	1.3 - 1.8 - 2.8	1.5 - 2.3 - 3	1.8 - 2.3 - 3	2.3 - 2.5 - 3.3
200mm x 150mm	0.33	0.26	Air Flow, Liters/s		37	49	61	74	86	98	123
			NC		-	-	11	17	21	25	32
			Throw (m) 0°		1.5 - 2.8 - 5	2.5 - 3.8 - 5.8	3 - 4.5 - 6.5	3.8 - 5 - 7	4.3 - 5.5 - 7.5	4.5 - 5.8 - 8.3	5.3 - 6.5 - 9.3
			22.5°		1.3 - 2.3 - 4	1.8 - 2.8 - 4.5	2.5 - 3.3 - 5	2.8 - 4 - 5.5	3.3 - 4.3 - 5.8	3.8 - 4.5 - 6.5	4 - 5 - 7
			45°		0.5 - 1.3 - 2.3	1 - 1.5 - 2.5	1.3 - 2.3 - 2.8	1.5 - 2.3 - 3	1.8 - 2.5 - 3.3	2.3 - 2.5 - 3.8	2.5 - 2.8 - 4
250mm x 150mm	0.42	0.34	Air Flow, Liters/s		48	64	80	96	112	128	160
			NC		-	-	12	18	23	27	33
			Throw (m) 0°		1.8 - 3 - 5.8	2.8 - 4 - 6.5	3.3 - 5.3 - 7.3	4 - 5.8 - 8	5 - 6 - 8.5	5.5 - 6.5 - 9.3	6 - 7.3 - 10.3
			22.5°		1.5 - 2.5 - 4.3	2.3 - 3 - 5.3	2.8 - 4 - 5.8	3 - 4.3 - 6	3.8 - 5 - 6.8	4.3 - 5.3 - 7	4.5 - 5.8 - 8
			45°		1 - 1.3 - 2.5	1.3 - 1.8 - 3	1.5 - 2.3 - 3.3	1.8 - 2.5 - 3.8	2.3 - 2.8 - 4	2.5 - 3 - 4.3	2.8 - 3.3 - 4.5
200mm x 200mm	0.44	0.37	Air Flow, Liters/s		52	70	87	105	122	140	175
			NC		-	-	13	18	23	27	34
			Throw (m) 0°		1.8 - 3 - 5.8	2.8 - 4.3 - 6.8	3.8 - 5.3 - 7.5	4.3 - 5.8 - 8.3	5 - 6.5 - 9.3	5.5 - 6.8 - 9.8	6 - 7.5 - 10.8
			22.5°		1.5 - 2.5 - 4.5	2.3 - 3.3 - 5.3	2.8 - 4 - 5.8	3.3 - 4.5 - 6.5	4 - 5 - 7	4.3 - 5.3 - 7.5	5 - 5.8 - 8.3
			45°		1 - 1.5 - 2.8	1.3 - 1.8 - 3	1.5 - 2.5 - 3.3	1.8 - 2.8 - 3.8	2.3 - 2.8 - 4	2.5 - 3 - 4.3	2.8 - 3.3 - 5
300mm x 150mm	0.50	0.41	Air Flow, Liters/s		58	77	97	116	135	155	193
			NC		-	-	13	19	23	27	34
			Throw (m) 0°		2.3 - 3.3 - 6	3 - 4.5 - 7.3	3.8 - 5.5 - 8	4.5 - 6 - 8.8	5.3 - 6.8 - 9.5	5.8 - 7.3 - 10	6.5 - 8 - 11.3
			22.5°		1.5 - 2.5 - 5	2.5 - 3.3 - 5.5	2.8 - 4.3 - 6	3.3 - 5 - 6.8	4 - 5.3 - 7.3	4.5 - 5.5 - 8	5.3 - 6 - 8.8
			45°		1 - 1.5 - 2.8	1.3 - 2.3 - 3.3	1.5 - 2.5 - 3.8	2.3 - 2.8 - 4	2.5 - 3 - 4.3	2.8 - 3.3 - 4.5	3 - 3.8 - 5.3
350mm x 150mm	0.58	0.48	Air Flow, Liters/s		68	91	113	136	159	181	227
			NC		-	-	14	19	24	28	35
			Throw (m) 0°		2.3 - 3.8 - 6.8	3.3 - 5 - 7.5	4 - 6 - 8.5	5 - 6.8 - 9.5	5.5 - 7.3 - 10.3	6.5 - 7.5 - 11	7 - 8.5 - 12.3
			22.5°		1.8 - 2.8 - 5.3	2.5 - 3.8 - 6	3 - 4.5 - 6.8	3.8 - 5.3 - 7.3	4.3 - 5.5 - 8	5 - 6 - 8.5	5.5 - 6.8 - 9.5
			45°		1 - 1.5 - 3	1.5 - 2.3 - 3.3	1.8 - 2.8 - 4	2.3 - 3 - 4.3	2.5 - 3.3 - 4.5	2.8 - 3.3 - 5	3 - 4 - 5.5
300mm x 200mm	0.67	0.57	Air Flow, Liters/s		81	108	135	161	188	215	269
			NC		-	-	15	20	25	29	35
			Throw (m) 0°		2.5 - 4 - 7.3	3.3 - 5.3 - 8.5	4.3 - 6.8 - 9.5	5.3 - 7.3 - 10.3	6 - 8 - 11.3	7 - 8.5 - 12	7.5 - 9.5 - 13.5
			22.5°		1.8 - 3 - 5.8	2.8 - 4 - 6.8	3.3 - 5.3 - 7.3	4 - 5.8 - 8	5 - 6 - 8.5	5.5 - 6.8 - 9.3	6 - 7.3 - 10.3
			45°		1.3 - 1.8 - 3.3	1.5 - 2.5 - 3.8	1.8 - 3 - 4.3	2.5 - 3.3 - 4.5	2.8 - 3.8 - 5.3	3 - 3.8 - 5.5	3.3 - 4.3 - 6
250mm x 250mm	0.69	0.59	Air Flow, Liters/s		84	111	139	167	195	223	278
			NC		-	-	15	20	25	29	35
			Throw (m) 0°		2.5 - 4 - 7.3	3.8 - 5.5 - 8.5	4.5 - 6.8 - 9.8	5.5 - 7.3 - 10.8	6 - 8 - 11.3	7 - 8.5 - 12.3	8 - 9.8 - 13.8
			22.5°		1.8 - 3 - 5.8	2.8 - 4.3 - 6.8	3.3 - 5.3 - 7.3	4.3 - 5.8 - 8.3	5 - 6 - 8.8	5.5 - 6.8 - 9.5	6 - 7.3 - 10.8
			45°		1.3 - 1.8 - 3.3	1.5 - 2.5 - 4	2.3 - 3 - 4.3	2.5 - 3.3 - 5	2.8 - 3.8 - 5.3	3 - 4 - 5.5	3.8 - 4.3 - 6
450mm x 150mm	0.80	0.63	Air Flow, Liters/s		89	119	149	178	208	238	297
			NC		-	-	15	20	25	29	36
			Throw (m) 0°		2.5 - 4.3 - 7.5	3.8 - 5.5 - 8.8	4.5 - 7 - 10	5.5 - 7.5 - 11	6.5 - 8.3 - 12	7.3 - 8.8 - 12.5	8.3 - 10 - 14
			22.5°		2.3 - 3.3 - 6	2.8 - 4.3 - 7	3.8 - 5.5 - 7.5	4.3 - 6 - 8.5	5 - 6.5 - 9.3	5.5 - 7 - 9.8	6.5 - 7.5 - 11
			45°		1.3 - 1.8 - 3.3	1.5 - 2.5 - 4	2.3 - 3 - 4.5	2.5 - 3.3 - 5	2.8 - 3.8 - 5.3	3.3 - 4 - 5.8	3.8 - 4.5 - 6.5

NC 20

NC 30

NC 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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Models 300R, 300F, 301R, & 301F Supply

			NC 20			NC 30			NC 40			NC 50		
Nominal Duct Size	Nominal Duct Area m ²	Core Area m ²	Core Velocity, (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0		
			Velocity Pressure	1	2	4	6	8	10	16	22	30		
			Total Pressure 0°	4	7	11	16	22	29	45	65	89		
			Pressure 22.5°	5	8	13	18	25	33	51	73	100		
			45°	7	12	19	28	38	49	77	111	151		
300mm x 250mm	0.83	0.72	Air Flow, Liters/s	102	136	170	204	238	272	340	408	476		
			NC	-	-	16	21	26	30	36	42	46		
			0°	2.8-4.5-8.3	4-5.8-9.5	5-7.3-10.8	5.8-8.3-11.5	7-8.8-12.5	7.5-9.5-13.5	8.5-10.8-15	9.5-11.5-16.5	10.3-12.5-17.8		
			Throw (m) 22.5°	2.3-3.3-6.5	3-4.5-7.3	3.8-5.8-8.3	4.5-6.5-9.3	5.3-7-9.8	6-7.3-10.3	6.8-8.3-11.5	7.3-9.3-12.8	8-9.8-13.8		
			45°	1.3-2.3-3.8	1.8-2.8-4.3	2.3-3.3-5	2.8-3.8-5.3	3-4-5.8	3.3-4.3-6	4-5-6.8	4.3-5.3-7.3	4.5-5.8-8		
550mm x 150mm	0.92	0.77	Air Flow, Liters/s	109	145	182	218	254	291	363	436	509		
			NC	-	-	16	21	26	30	37	42	47		
			0°	2.8-4.5-8.5	4-6-9.8	5.3-7.5-11	6-8.5-12.3	7-9.3-13	8-9.8-14	8.8-11-15.5	9.8-12.3-17	10.8-13-18.3		
			Throw (m) 22.5°	2.3-3.8-6.8	3-5-7.5	4-5.8-8.5	5-6.8-9.5	5.5-7-10	6-7.5-10.8	7-8.5-12.3	7.5-9.5-13	8.3-10-14.3		
			45°	1.3-2.3-4	1.8-2.8-4.5	2.5-3.3-5	2.8-4-5.5	3.3-4.3-5.8	3.8-4.5-6.5	4-5-7	4.5-5.5-7.5	5-5.8-8.3		
300mm x 300mm	1.00	0.88	Air Flow, Liters/s	125	166	208	249	291	332	415	498	581		
			NC	-	-	16	22	26	30	37	43	47		
			0°	3-5-9.3	4.3-6.5-10.3	5.5-8.3-12	6.5-9.3-12.8	7.5-9.8-14	8.5-10.3-15	9.5-12-16.8	10.3-12.8-18.3	11.3-14-19.8		
			Throw (m) 22.5°	2.5-3.8-7	3.3-5.3-8.3	4.3-6.5-9.3	5.3-7-10	5.8-7.5-10.8	6.8-8.3-11.5	7.3-9.3-12.8	8.3-10-14	8.8-10.8-15.3		
			45°	1.3-2.3-4	1.8-3-5	2.5-3.8-5.3	3-4-5.8	3.3-4.5-6.5	4-5-6.8	4.3-5.3-7.5	5-5.8-8.3	5.3-6.5-8.8		
450mm x 250mm	1.30	1.11	Air Flow, Liters/s	157	210	262	314	367	419	524	629	733		
			NC	-	11	17	23	27	31	38	44	48		
			0°	3.3-5.5-10.3	5-7.3-12	6-9-13	7.3-10.3-14.3	8.5-11-15.5	9.8-12-16.8	10.8-13-18.5	12-14.3-20.5	12.8-15.5-22		
			Throw (m) 22.5°	2.8-4.3-8	3.8-5.8-9.3	5-7-10.3	5.8-8-11.3	6.8-8.5-12.3	7.5-9.3-12.8	8.3-10.3-14.3	9.3-11.3-15.8	9.8-12.3-17		
			45°	1.5-2.5-4.5	2.3-3.3-5.3	2.8-4.3-5.8	3.3-4.5-6.5	4-5-7	4.3-5.3-7.5	5-5.8-8.5	5.3-6.5-9.3	5.8-7-10		
350mm x 350mm	1.36	1.22	Air Flow, Liters/s	173	230	288	345	403	461	576	691	806		
			NC	-	11	18	23	28	32	39	44	49		
			0°	3.8-5.8-10.8	5.3-7.5-12.5	6.5-9.5-13.8	7.5-10.8-15.3	8.8-11.5-16.5	10-12.5-17.3	11.3-13.8-19.5	12.5-15.3-21.3	13.5-16.5-23.3		
			Throw (m) 22.5°	2.8-4.5-8.3	4-6-9.5	5-7.3-10.8	6-8.3-12	7-8.8-12.8	8-9.5-13.8	8.8-10.8-15.3	9.5-12-16.8	10.3-12.8-18		
			45°	1.5-2.5-5	2.5-3.3-5.5	2.8-4.3-6	3.3-5-6.8	4-5.3-7.3	4.5-5.5-8	5.3-6-8.8	5.5-6.8-9.8	6-7.3-10.3		
700mm x 200mm	1.50	1.35	Air Flow, Liters/s	191	255	319	382	446	510	637	765	892		
			NC	-	12	18	24	28	32	39	44	49		
			0°	3.8-6-11.3	5.5-8-13	6.8-10-14.8	8-11.3-15.8	9.5-12.3-17.3	10.8-13-18.3	12-14.8-20.8	13-15.8-22.5	14-17.3-24.5		
			Throw (m) 22.5°	3-4.5-8.8	4.3-6.5-10	5.3-8-11.3	6.5-8.8-12.5	7.3-9.5-13.5	8.3-10-14.3	9.3-11.3-15.8	10-12.5-17.3	11-13.5-19		
			45°	1.8-2.8-5.3	2.5-3.8-5.8	3-4.5-6.5	3.8-5.3-7.3	4.3-5.5-7.5	5-5.8-8.3	5.5-6.5-9.3	5.8-7.3-10	6.5-7.5-11		
550mm x 250mm	1.53	1.37	Air Flow, Liters/s	194	259	323	388	453	517	647	776	905		
			NC	-	12	18	24	28	32	39	44	49		
			0°	3.8-6-11.3	5.5-8.3-13	6.8-10-14.8	8.3-11.3-16.3	9.5-12.3-17.3	10.8-13-18.5	12-14.8-20.8	13-16.3-22.8	14-17.3-24.8		
			Throw (m) 22.5°	3-5-8.8	4.3-6.5-10	5.3-8-11.3	6.5-8.8-12.5	7.3-9.5-13.5	8.3-10-14.3	9.3-11.3-16.3	10-12.5-17.8	11-13.5-19		
			45°	1.8-2.8-5.3	2.5-3.8-5.8	3-4.5-6.8	3.8-5.3-7.3	4.3-5.5-8	5-5.8-8.3	5.5-6.8-9.5	5.8-7.3-10.3	6.5-8-11		
600mm x 250mm	1.67	1.49	Air Flow, Liters/s	211	281	352	422	492	563	703	844	984		
			NC	-	12	19	24	29	33	39	45	49		
			0°	4-6.5-12	5.8-8.5-13.8	7-10.8-15.3	8.5-12-16.8	9.8-12.8-18	11.3-13.8-19.3	12.5-15.3-21.8	13.8-16.8-23.8	14.8-18-25.5		
			Throw (m) 22.5°	3-5-9.3	4.3-6.8-10.8	5.5-8.3-12	6.8-9.3-13	7.5-10-14	8.5-10.8-15	9.8-12-16.8	10.8-13-18.3	11.5-14-19.8		
			45°	1.8-2.8-5.3	2.5-4-6	3-5-7	4-5.3-7.5	4.5-5.8-8.3	5-6-8.8	5.5-7-9.8	6-7.5-10.8	6.8-8.3-11.5		
450mm x 350mm	1.80	1.59	Air Flow, Liters/s	225	300	375	450	525	600	750	900	1051		
			NC	-	12	19	24	29	33	40	45	50		
			0°	4-6.8-12.3	5.8-8.8-14	7.3-11-15.8	8.8-12.3-17.3	10.3-13-18.5	11.5-14-20	12.8-15.8-22.3	14-17.3-24.5	15.3-18.5-26.5		
			Throw (m) 22.5°	3-5.3-9.5	4.5-6.8-11	5.8-8.5-12.3	6.8-9.5-13.5	8-10.3-14.8	8.8-11-15.5	10-12.3-17.3	11-13.5-19	12-14.8-20.5		
			45°	1.8-3-5.5	2.8-4-6.5	3.3-5-7	4-5.5-8	4.5-6-8.5	5.3-6.5-9.3	5.8-7-10	6.5-8-11	7-8.5-12		

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Models 300R, 300F, 301R, & 301F Supply

			NC 20				NC 30			NC 40		NC 50	
Nominal Duct Size	Nominal Duct Area m ²	Core Area m ²	Core Velocity, (m/s)		1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0
			Velocity Pressure		1	2	4	6	8	10	16	22	30
			Total	0°	4	7	11	16	22	29	45	65	89
			Pressure	22.5°	5	8	13	18	25	33	51	73	100
				45°	7	12	19	28	38	49	77	111	151
200mm x 400mm	1.78	1.62	Air Flow, Liters/s		229	306	382	459	535	612	765	917	1070
			NC		-	12	19	24	29	33	40	45	50
			Throw (m)	0°	4.3 - 6.8 - 12.5	5.8 - 8.8 - 14.3	7.3 - 11 - 15.8	8.8 - 12.5 - 17.3	10.3 - 13.5 - 19	11.5 - 14.3 - 20	13 - 15.8 - 22.5	14.3 - 17.3 - 24.8	15.5 - 19 - 26.8
			22.5°	3.3 - 5.3 - 9.5	4.5 - 6.8 - 11	5.8 - 8.5 - 12.5	6.8 - 9.5 - 13.5	8 - 10.3 - 14.8	9.3 - 11 - 15.5	10 - 12.5 - 17.3	11 - 13.5 - 19.3	12 - 14.8 - 20.8	
			45°	1.8 - 3 - 5.5	2.8 - 4 - 6.5	3.3 - 5 - 7.3	4 - 5.5 - 8	4.5 - 6 - 8.5	5.3 - 6.5 - 9.3	5.8 - 7.3 - 10	6.5 - 8 - 11	7 - 8.5 - 12	
200mm x 300mm	2.00	1.82	Air Flow, Liters/s		258	344	429	515	601	687	859	1031	1203
			NC		-	13	19	25	30	34	40	46	50
			Throw (m)	0°	4.3 - 7 - 13	6 - 9.5 - 15.3	8 - 11.5 - 16.8	9.5 - 13 - 18.5	11 - 14 - 20	12.5 - 15.3 - 21.3	13.8 - 16.8 - 23.8	15.3 - 18.5 - 26.3	16.5 - 20 - 28.3
			22.5°	3.3 - 5.5 - 10	5 - 7.3 - 11.5	6 - 9.3 - 13	7.3 - 10 - 14.3	8.5 - 11 - 15.5	9.5 - 11.5 - 16.5	10.8 - 13 - 18.5	11.5 - 14.3 - 20.5	12.8 - 15.5 - 22	
			45°	1.8 - 3 - 5.8	2.8 - 4.3 - 6.8	3.8 - 5.3 - 7.5	4.3 - 5.8 - 8.3	5 - 6.5 - 9.3	5.5 - 6.8 - 9.8	6 - 7.5 - 10.8	6.8 - 8.3 - 12	7.3 - 9.3 - 12.8	
500mm x 450mm	2.30	2.07	Air Flow, Liters/s		293	391	488	586	684	782	977	1172	1368
			NC		-	13	20	25	30	34	41	46	51
			Throw (m)	0°	4.5 - 7.5 - 14	6.8 - 10 - 16.3	8.3 - 12.5 - 18	10 - 14 - 19.8	11.5 - 15 - 21.3	13 - 16.3 - 22.8	14.8 - 18 - 25.5	16.3 - 19.8 - 28	17.3 - 21.3 - 30.3
			22.5°	3.8 - 5.8 - 11	5.3 - 7.5 - 12.5	6.5 - 9.8 - 14	7.5 - 11 - 15.3	9.3 - 11.5 - 16.5	10 - 12.5 - 17.8	11.3 - 14 - 19.8	12.5 - 15.3 - 21.8	13.5 - 16.5 - 23.5	
			45°	2.3 - 3.3 - 6.5	3 - 4.5 - 7.3	3.8 - 5.5 - 8.3	4.5 - 6.5 - 8.8	5.3 - 6.8 - 9.5	5.8 - 7.3 - 10.3	6.8 - 8.3 - 11.5	7.3 - 8.8 - 12.5	8 - 9.5 - 13.8	
200mm x 350mm	2.33	2.14	Air Flow, Liters/s		303	404	505	606	707	808	1010	1212	1414
			NC		-	13	20	26	30	34	41	46	51
			Throw (m)	0°	5 - 7.5 - 14.3	6.8 - 10 - 16.5	8.5 - 12.8 - 18.3	10 - 14.3 - 20	12 - 15.3 - 21.8	13.5 - 16.5 - 23.3	15 - 18.3 - 26	16.5 - 20 - 28.3	17.8 - 21.8 - 30.8
			22.5°	3.8 - 5.8 - 11	5.3 - 8 - 12.8	6.8 - 9.8 - 14.3	8 - 11 - 15.5	9.3 - 12 - 16.8	10.3 - 12.8 - 18	11.5 - 14.3 - 20	12.8 - 15.5 - 22	13.8 - 16.8 - 23.8	
			45°	2.3 - 3.3 - 6.5	3 - 4.5 - 7.3	4 - 5.8 - 8.3	4.5 - 6.5 - 9.3	5.5 - 7 - 9.8	6 - 7.3 - 10.3	6.8 - 8.3 - 11.5	7.3 - 9.3 - 12.8	8 - 9.8 - 13.8	
500mm x 300mm	2.50	2.29	Air Flow, Liters/s		324	432	540	648	757	865	1081	1297	1513
			NC		-	14	20	26	30	34	41	47	51
			Throw (m)	0°	5 - 8 - 14.8	7 - 10.3 - 17	8.8 - 13 - 19	10.3 - 14.8 - 20.8	12.3 - 15.8 - 22.5	13.8 - 17 - 24	15.5 - 19 - 26.8	17 - 20.8 - 29.3	18.3 - 22.5 - 31.8
			22.5°	3.8 - 6 - 11.3	5.5 - 8.3 - 13	6.8 - 10 - 14.8	8.3 - 11.3 - 16.3	9.5 - 12.3 - 17.3	10.8 - 13 - 18.5	12 - 14.8 - 20.8	13 - 16.3 - 22.8	14.3 - 17.3 - 24.8	
			45°	2.3 - 3.8 - 6.8	3 - 5 - 7.5	4 - 5.8 - 8.5	5 - 6.8 - 9.5	5.5 - 7 - 10	6 - 7.5 - 10.8	7 - 8.5 - 12.3	7.5 - 9.5 - 13	8.3 - 10 - 14.3	
200mm x 400mm	2.67	2.46	Air Flow, Liters/s		348	464	580	697	813	929	1161	1393	1625
			NC		-	14	21	26	31	35	41	47	51
			Throw (m)	0°	5.3 - 8.3 - 15.3	7.3 - 11 - 17.8	9.3 - 13.8 - 19.5	11 - 15.3 - 21.8	12.8 - 16.5 - 23.3	14.3 - 17.8 - 25	16.3 - 19.5 - 27.8	17.8 - 21.8 - 30.5	19 - 23.3 - 33
			22.5°	4 - 6.5 - 12	5.5 - 8.5 - 13.8	7 - 10.8 - 15.3	8.5 - 12 - 16.8	9.8 - 12.8 - 18	11 - 13.8 - 19.3	12.5 - 15.3 - 21.8	13.8 - 16.8 - 23.5	14.8 - 18 - 25.5	
			45°	2.5 - 3.8 - 6.8	3.3 - 5 - 8	4 - 6 - 8.8	5 - 6.8 - 9.8	5.8 - 7.3 - 10.3	6.5 - 8 - 11.3	7.3 - 8.8 - 12.5	8 - 9.8 - 13.8	8.5 - 10.3 - 15	
200mm x 500mm	2.78	2.57	Air Flow, Liters/s		364	485	606	728	849	970	1213	1455	1698
			NC		-	14	21	26	31	35	42	47	52
			Throw (m)	0°	5.3 - 8.3 - 15.5	7.3 - 11.3 - 18	9.3 - 14 - 20	11.3 - 15.5 - 22	13 - 16.8 - 23.8	14.8 - 18 - 25.3	16.5 - 20 - 28.3	18 - 22 - 31	19.5 - 23.8 - 33.5
			22.5°	4 - 6.5 - 12.3	5.8 - 8.5 - 14	7.3 - 10.8 - 15.5	8.5 - 12.3 - 17	10 - 13 - 18.3	11.3 - 14 - 19.8	12.8 - 15.5 - 22	14 - 17 - 24	15 - 18.3 - 26	
			45°	2.5 - 3.8 - 7	3.3 - 5 - 8.3	4.3 - 6.5 - 9.3	5 - 7 - 9.8	5.8 - 7.5 - 10.8	6.8 - 8.3 - 11.5	7.3 - 9.3 - 12.8	8.3 - 9.8 - 14	8.8 - 10.8 - 15.3	
200mm x 300mm	3.00	2.8	Air Flow, Liters/s		389	519	649	779	909	1038	1298	1557	1817
			NC		-	15	21	27	31	35	42	47	52
			Throw (m)	0°	5.5 - 8.5 - 16.3	7.5 - 11.5 - 18.5	9.5 - 14.3 - 20.8	11.5 - 16.3 - 22.8	13.5 - 17.3 - 24.8	15.3 - 18.5 - 26.3	17 - 20.8 - 29.3	18.5 - 22.8 - 32.3	20 - 24.8 - 34.8
			22.5°	4.3 - 6.8 - 12.5	6 - 8.8 - 14.3	7.3 - 11.3 - 16.3	8.8 - 12.5 - 17.8	10.3 - 13.5 - 19.3	12 - 14.3 - 20.5	13 - 16.3 - 22.8	14.3 - 17.8 - 25	15.5 - 19.3 - 26.8	
			45°	2.5 - 4 - 7.3	3.3 - 5.3 - 8.3	4.3 - 6.5 - 9.5	5.3 - 7.3 - 10.3	6 - 8 - 11	6.8 - 8.3 - 12	7.5 - 9.5 - 13	8.3 - 10.3 - 14.8	9.3 - 11 - 15.5	
200mm x 500mm	3.33	3.11	Air Flow, Liters/s		440	587	734	881	1027	1174	1468	1761	2055
			NC		-	15	22	27	32	36	42	48	52
			Throw (m)	0°	5.8 - 9.3 - 17	8.3 - 12.3 - 19.8	10 - 15.3 - 22	12.3 - 17 - 24	14.3 - 18.5 - 26.3	16.3 - 19.8 - 28	18 - 22 - 31.5	19.8 - 24 - 34.3	21.3 - 26.3 - 37
			22.5°	4.5 - 7 - 13.5	6.5 - 9.5 - 15.3	8 - 12 - 17	9.5 - 13.5 - 19	11 - 14.3 - 20	12.5 - 15.3 - 21.8	14 - 17 - 24	15.3 - 19 - 26.5	16.5 - 20 - 28.8	
			45°	2.5 - 4.3 - 7.5	3.8 - 5.5 - 8.8	4.5 - 7 - 10	5.5 - 7.5 - 11	6.5 - 8.3 - 12	7.3 - 8.8 - 12.5	8.3 - 10 - 14	8.8 - 11 - 15.5	9.8 - 12 - 16.8	

NC 20

NC 30

NC 40

NC 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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Models 300R, 300F, 301R, & 301F Supply

			NC 20		NC 30		NC 40		NC 50		
Nominal Duct Size	Nominal Duct Area m ²	Core Area m ²	Core Velocity, (m/s)		Velocity Pressure		Total Pressure		Throw (m)		
			1.5	2.0	1	2	0°	22.5°	45°	0°	22.5°
550mm x 550mm	3.36	3.14	Air Flow, Liters/s	445	593	741	889	1037	1186	1482	1778
			NC	-	15	22	27	32	36	42	48
			0°	5.8-9.3-17	8.3-12.3-19.8	10.3-15.3-22.3	12.3-17-24.5	14.3-18.5-26.3	16.3-19.8-28	18-22.3-31.5	19.8-24.5-34.5
			22.5°	4.5-7-13.5	6.5-9.5-15.3	8-12-17	9.5-13.5-19	11.3-14.3-20.5	12.5-15.3-21.8	14-17-24.5	15.3-19-26.5
900mm x 360mm	3.50	3.22	Air Flow, Liters/s	456	608	760	912	1064	1216	1520	1824
			NC	-	15	22	27	32	36	43	48
			0°	5.8-9.5-17.3	8.3-12.5-20	10.3-15.5-22.5	12.5-17.3-24.8	14.8-19-26.5	16.5-20-28.3	18.3-22.5-31.8	20-24.8-34.8
			22.5°	4.5-7.3-13.5	6.5-9.8-15.5	8-12.3-17.3	9.8-13.5-19.3	11.3-14.8-20.8	12.8-15.5-22	14.3-17.3-24.8	15.5-19.3-27.3
600mm x 550mm	3.67	3.43	Air Flow, Liters/s	486	648	809	971	1133	1295	1619	1943
			NC	-	15	22	28	32	36	43	48
			0°	6-9.8-18	8.5-12.8-20.8	10.8-16.3-23.3	12.8-18-25.3	15-19.5-27.5	17-20.8-29.3	19-23.3-33	20.8-25.3-36
			22.5°	4.5-7.5-14	6.8-10-16.3	8.3-12.5-18	10-14-19.8	11.5-15-21.3	13-16.3-22.8	14.8-18-25.3	16.3-19.8-27.8
750mm x 450mm	3.80	3.5	Air Flow, Liters/s	496	661	826	991	1156	1321	1652	1982
			NC	-	16	22	28	32	36	43	48
			0°	6-9.8-18.3	8.5-13-21	11-16.3-23.5	13-18.3-25.5	15.3-19.5-27.8	17-21-29.5	19.3-23.5-33.3	21-25.5-36.3
			22.5°	4.5-7.5-14	6.8-10-16.3	8.5-12.5-18.3	10-14-19.8	12-15.3-21.8	13.5-16.3-22.8	15-18.3-25.5	16.3-19.8-28
600mm x 600mm	4.00	3.8	Air Flow, Liters/s	531	708	885	1062	1239	1416	1770	2124
			NC	-	16	22	28	33	37	43	49
			0°	6.5-10-19	8.8-13.5-21.8	11.3-16.8-24.5	13.5-19-26.5	15.5-20.5-28.8	17.8-21.8-30.8	19.8-24.5-34.5	21.8-26.5-37.5
			22.5°	5-8-14.8	7-10.3-16.8	8.8-13-19	10.3-14.8-20.8	12.3-15.8-22.3	13.8-16.8-23.8	15.3-19-26.5	16.8-20.8-29.3
900mm x 450mm	4.50	4.22	Air Flow, Liters/s	597	797	996	1195	1394	1593	1992	2390
			NC	-	16	23	28	33	37	44	49
			0°	6.8-10.8-19.8	9.5-14.3-23.3	12-18-25.5	14.3-19.8-28.3	16.8-21.8-30.5	19-23.3-32.5	21-25.5-36.3	23.3-28.3-40
			22.5°	5.3-8.3-15.5	7.3-11-18	9.3-13.8-19.8	11-15.5-22	12.8-16.8-23.5	14.8-18-25.3	16.3-19.8-28.3	18-22-30.8
750mm x 600mm	5.00	4.71	Air Flow, Liters/s	667	889	1111	1334	1556	1778	2223	2667
			NC	-	17	23	29	33	37	44	50
			0°	7-11.3-21	10-15-24.5	12.5-19-27.3	15-21-29.8	17.8-22.8-32.3	19.8-24.5-34.5	22.3-27.3-38.5	24.5-29.8-42
			22.5°	5.5-8.8-16.5	8-11.5-19	9.8-14.8-21	11.5-16.5-23.3	13.8-17.8-25	15.3-19-26.5	17-21-29.8	19-23.3-32.5
1050mm x 450mm	5.30	4.94	Air Flow, Liters/s	699	933	1166	1399	1632	1865	2331	2798
			NC	-	17	24	29	34	38	44	50
			0°	7.3-11.5-21.8	10.3-15.5-25	12.8-19.3-27.8	15.5-21.8-30.5	18-23.3-33	20.5-25-35.3	22.8-27.8-39.3	25-30.5-43.3
			22.5°	5.5-8.8-16.8	8-12-19.3	10-15-21.8	12-16.8-23.8	14-18-25.5	15.8-19.3-27.5	17.8-21.8-30.5	19.3-23.8-33.5
700mm x 700mm	5.44	5.16	Air Flow, Liters/s	731	974	1218	1461	1705	1948	2435	2922
			NC	-	17	24	29	34	38	45	50
			0°	7.3-12-22	10.8-15.8-25.5	13-19.8-28.3	15.8-22-31	18.3-23.8-33.5	20.8-25.5-36	23.3-28.3-40.3	25.5-31-44.3
			22.5°	5.8-9.3-17	8.3-12.3-19.8	10-15.3-22	12.3-17-24	14.3-18.5-26.3	16.3-19.8-28	18-22-31	19.8-24-34.3

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Models 300R, 300F, 301R, &301F Supply

			NC 10		NC 20		NC 30		NC 40		NC 50	
Nominal Duct Size	Nominal Duct Area m ²	Core Area m ²	Core Velocity, (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	
			Velocity Pressure	1	2	4	6	8	10	16	22	
			Total 0°	4	7	11	16	22	29	45	65	
			Pressure 22.5°	5	8	13	18	25	33	51	73	
			45°	7	12	19	28	38	49	77	111	
750mm x 700mm	5.83	5.51	Air Flow, Liters/s	780	1040	1300	1560	1820	2080	2600	3121	
			NC	-	17	24	30	34	38	45	50	
			Throw (m) 0°	7.5 - 12.3 - 22.8	11 - 16.5 - 26.3	13.8 - 20.5 - 29.3	16.5 - 22.8 - 32.3	19 - 24.8 - 34.8	21.3 - 26.3 - 37.3	24 - 29.3 - 41.5	26.3 - 32.3 - 45.5	
			22.5°	5.8 - 9.5 - 17.8	8.5 - 12.5 - 20.5	10.8 - 15.8 - 22.8	12.5 - 17.8 - 25	14.8 - 19.3 - 26.8	16.8 - 20.5 - 29	18.5 - 22.8 - 32.3	20.5 - 25 - 35.3	
			45°	3.3 - 5.5 - 10.3	5 - 7.3 - 12	6 - 9.3 - 13	7.3 - 10.3 - 14.8	8.5 - 11 - 15.5	9.8 - 12 - 16.8	10.8 - 13 - 18.5	12 - 14.8 - 20.5	
900mm x 600mm	6.00	5.66	Air Flow, Liters/s	801	1068	1336	1603	1870	2137	2671	3205	
			NC	-	18	24	30	34	38	45	50	
			Throw (m) 0°	7.5 - 12.5 - 23.3	11 - 16.5 - 26.5	13.8 - 20.8 - 29.8	16.5 - 23.3 - 32.5	19.3 - 25 - 35.3	21.8 - 26.5 - 37.8	24.5 - 29.8 - 42	26.5 - 32.5 - 46.3	
			22.5°	6 - 9.8 - 18	8.5 - 12.8 - 20.8	10.8 - 16.3 - 23.3	12.8 - 18 - 25.3	15 - 19.3 - 27.5	16.8 - 20.8 - 29.3	19 - 23.3 - 32.5	20.8 - 25.3 - 35.8	
			45°	3.3 - 5.5 - 10.3	5 - 7.3 - 12	6 - 9.5 - 13.5	7.3 - 10.3 - 14.8	8.5 - 11.3 - 15.8	9.8 - 12 - 17	11 - 13.5 - 19	12 - 14.8 - 20.8	
750mm x 750mm	6.30	5.94	Air Flow, Liters/s	841	1121	1402	1682	1962	2243	2803	3364	
			NC	-	18	24	30	34	38	45	51	
			Throw (m) 0°	8 - 12.8 - 23.8	11.3 - 17 - 27.5	14 - 21 - 30.5	17 - 23.8 - 33.5	19.8 - 25.5 - 36.3	22.3 - 27.5 - 38.8	25 - 30.5 - 43.3	27.5 - 33.5 - 47.3	
			22.5°	6 - 9.8 - 18.3	8.8 - 13 - 21	11 - 16.5 - 23.8	13 - 18.3 - 26	15.3 - 19.8 - 28	17.3 - 21 - 29.8	19.3 - 23.8 - 33.5	21 - 26 - 36.5	
			45°	3.8 - 5.8 - 10.8	5.3 - 7.5 - 12.3	6.5 - 9.5 - 13.8	7.5 - 10.8 - 15	8.8 - 11.5 - 16.3	10 - 12.3 - 17.3	11.3 - 13.8 - 19.5	12.3 - 15 - 21.3	
900mm x 700mm	7.00	6.66	Air Flow, Liters/s	943	1257	1572	1886	2200	2515	3143	3772	
			NC	-	18	25	30	35	39	46	51	
			Throw (m) 0°	8.5 - 13.5 - 25	12 - 18 - 29	15 - 22.5 - 32.3	18 - 25 - 35.3	21 - 27.3 - 38.5	23.5 - 29 - 40.8	26.5 - 32.3 - 45.8	29 - 35.3 - 50	
			22.5°	6.5 - 10.3 - 19.5	9.3 - 14 - 22.5	11.5 - 17.3 - 25	14 - 19.5 - 27.5	16.3 - 21 - 29.5	18.3 - 22.5 - 31.8	20.5 - 25 - 35.3	22.5 - 27.5 - 38.8	
			45°	3.8 - 6 - 11.3	5.5 - 8 - 13	6.8 - 10 - 14.8	8 - 11.3 - 15.8	9.5 - 12.3 - 17	10.8 - 13 - 18.3	12 - 14.8 - 20.8	13 - 15.8 - 22.5	
1150mm x 550mm	7.03	6.68	Air Flow, Liters/s	946	1261	1576	1892	2207	2522	3153	3783	
			NC	-	18	25	30	35	39	46	51	
			Throw (m) 0°	8.5 - 13.5 - 25	12 - 18 - 29	15 - 22.5 - 32.3	18 - 25 - 35.3	21 - 27.3 - 38.5	23.8 - 29 - 40.8	26.5 - 32.3 - 45.8	29 - 35.3 - 50.3	
			22.5°	6.5 - 10.3 - 19.5	9.3 - 14 - 22.5	11.5 - 17.3 - 25	14 - 19.5 - 27.5	16.3 - 21 - 29.5	18.3 - 22.5 - 31.8	20.5 - 25 - 35.3	22.5 - 27.5 - 39	
			45°	3.8 - 6 - 11.3	5.5 - 8.3 - 13	6.8 - 10 - 14.8	8.3 - 11.3 - 15.8	9.5 - 12.3 - 17.3	10.8 - 13 - 18.3	12 - 14.8 - 20.8	13 - 15.8 - 22.5	
800mm x 800mm	7.11	6.78	Air Flow, Liters/s	960	1280	1600	1920	2240	2560	3200	3840	
			NC	-	18	25	30	35	39	46	51	
			Throw (m) 0°	8.5 - 13.8 - 25.3	12.3 - 18 - 29.3	15 - 22.5 - 32.5	18 - 25.3 - 35.8	21 - 27.5 - 38.8	23.8 - 29.3 - 41.3	26.5 - 32.5 - 46	29.3 - 35.8 - 50.5	
			22.5°	6.8 - 10.3 - 19.5	9.5 - 14 - 22.5	11.5 - 17.3 - 25.3	14 - 19.5 - 27.8	16.5 - 21 - 29.8	18.5 - 22.5 - 32	20.8 - 25.3 - 35.8	22.5 - 27.8 - 39.3	
			45°	3.8 - 6 - 11.3	5.5 - 8.3 - 13	6.8 - 10 - 14.8	8.3 - 11.3 - 16.3	9.5 - 12.3 - 17.3	10.8 - 13 - 18.5	12 - 14.8 - 20.8	13 - 16.3 - 22.8	
900mm x 750mm	7.50	7.16	Air Flow, Liters/s	1014	1352	1690	2027	2365	2703	3379	4055	
			NC	-	19	25	31	35	39	46	51	
			Throw (m) 0°	8.8 - 14 - 26	12.5 - 18.5 - 29.8	15.5 - 23.3 - 33.5	18.5 - 26 - 37	21.8 - 28 - 39.5	24.5 - 29.8 - 42.3	27.5 - 33.5 - 47.5	29.8 - 37 - 51.8	
			22.5°	6.8 - 10.8 - 20	9.8 - 14.3 - 23.3	12 - 18 - 26	14.3 - 20 - 28.3	16.8 - 21.8 - 30.8	19 - 23.3 - 33	21.3 - 26 - 37	23.3 - 28.3 - 40.3	
			45°	4 - 6.5 - 11.5	5.5 - 8.3 - 13.5	7 - 10.3 - 15.3	8.3 - 11.5 - 16.5	9.8 - 12.5 - 18	11 - 13.5 - 19.3	12.3 - 15.3 - 21.3	13.5 - 16.5 - 23.5	
1200mm x 600mm	8.00	7.63	Air Flow, Liters/s	1080	1440	1800	2161	2521	2881	3601	4321	
			NC	-	19	25	31	35	39	46	52	
			Throw (m) 0°	8.8 - 14.3 - 26.8	12.8 - 19.3 - 31	15.8 - 24 - 34.8	19.3 - 26.8 - 37.8	22.3 - 29 - 40.8	25.3 - 31 - 44	28.3 - 34.8 - 49	31 - 37.8 - 53.8	
			22.5°	7 - 11.3 - 20.8	10 - 15 - 24	12.5 - 18.5 - 26.8	15 - 20.8 - 29.3	17.3 - 22.5 - 31.8	19.5 - 24 - 33.8	22 - 26.8 - 37.8	24 - 29.3 - 41.5	
			45°	4 - 6.5 - 12.3	5.8 - 8.5 - 14	7.3 - 10.8 - 15.5	8.5 - 12.3 - 17	10 - 13 - 18.3	11.3 - 14 - 19.8	12.8 - 15.5 - 22	14 - 17 - 24	
850mm x 850mm	8.03	7.68	Air Flow, Liters/s	1087	1450	1812	2175	2537	2900	3625	4349	
			NC	-	19	25	31	36	40	46	52	
			Throw (m) 0°	9.3 - 14.3 - 26.8	12.8 - 19.3 - 31	16.3 - 24 - 34.8	19.3 - 26.8 - 38	22.5 - 29 - 41.3	25.3 - 31 - 44	28.3 - 34.8 - 49	31 - 38 - 53.8	
			22.5°	7 - 11.3 - 20.8	10 - 15 - 24	12.5 - 18.5 - 26.8	15 - 20.8 - 29.5	17.3 - 22.5 - 31.8	19.5 - 24 - 34.3	22 - 26.8 - 38	24 - 29.5 - 41.8	
			45°	4 - 6.5 - 12.3	5.8 - 8.5 - 14	7.3 - 11 - 15.5	8.5 - 12.3 - 17	10 - 13 - 18.5	11.3 - 14 - 19.8	12.8 - 15.5 - 22.3	14 - 17 - 24	

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Models 300R, 300F, 301R, &301F Supply

			NC 20		NC 30		NC 40		NC 50					
Nominal Duct Size	Nominal Duct Area m2	Core Area m2	Core Velocity, (m/s)		1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	
			Velocity Pressure	Total	1	2	4	6	8	10	16	22	30	30
			Pressure		0°	22.5°	45°							
900mm x 850mm	8.50	8.14	Air Flow, Liters/s		1153	1537	1921	2305	2689	3073	3842	4610	5378	
			NC		-	19	26	31	36	40	46	52	56	
			Throw (m)		0°	9.3 - 15 - 27.8	13 - 19.8 - 32	16.5 - 24.8 - 35.8	19.8 - 27.8 - 39	23.3 - 29.8 - 42.3	26.3 - 32 - 45	29.3 - 35.8 - 50.5	32 - 39 - 55.5	34.5 - 42.3 - 59.8
			22.5°		7.3 - 11.5 - 21.3	10.3 - 15.3 - 24.8	12.8 - 19.3 - 27.8	15.3 - 21.3 - 30.5	18 - 23.3 - 33	20 - 24.8 - 35	22.5 - 27.8 - 39.3	24.8 - 30.5 - 43	26.8 - 33 - 46.3	
			45°		4.3 - 6.8 - 12.5	6 - 8.8 - 14.3	7.3 - 11.3 - 16.3	8.8 - 12.5 - 17.8	10.3 - 13.5 - 19	12 - 14.3 - 20.5	13 - 16.3 - 22.8	14.3 - 17.8 - 25	15.5 - 19 - 26.8	
1050mm x 750mm	8.80	8.38	Air Flow, Liters/s		1186	1582	1977	2373	2768	3164	3955	4746	5537	
			NC		11	19	26	31	36	40	47	52	57	
			Throw (m)		0°	9.5 - 15 - 28	13.5 - 20 - 32.3	16.8 - 25 - 36.3	20 - 28 - 39.5	23.5 - 30.5 - 43	26.5 - 32.3 - 46	29.5 - 36.3 - 51.3	32.3 - 39.5 - 56	35 - 43 - 60.8
			22.5°		7.3 - 11.5 - 21.8	10.3 - 15.5 - 25	13 - 19.5 - 28	15.5 - 21.8 - 30.8	18.3 - 23.5 - 33.3	20.5 - 25 - 36.8	22.8 - 28 - 39.5	25 - 30.8 - 43.5	27.3 - 33.3 - 47	
			45°		4.3 - 6.8 - 12.5	6 - 9.3 - 14.8	7.5 - 11.3 - 16.5	9.3 - 12.5 - 18	10.8 - 13.8 - 19.3	12 - 14.8 - 20.8	13.5 - 16.5 - 23.3	14.8 - 18 - 25.3	15.8 - 19.3 - 27.5	
900mm x 900mm	9.00	8.63	Air Flow, Liters/s		1222	1629	2036	2444	2851	3258	4073	4888	5702	
			NC		11	19	26	31	36	40	47	52	57	
			Throw (m)		0°	9.5 - 15.3 - 28.8	13.8 - 20.5 - 33	17 - 25.5 - 37	20.5 - 28.8 - 40.3	23.8 - 30.8 - 43.5	26.8 - 33 - 46.8	30.3 - 37 - 52	33 - 40.3 - 57	35.8 - 43.5 - 61.5
			22.5°		7.3 - 12 - 22	10.8 - 15.8 - 25.5	13 - 19.8 - 28.8	15.8 - 22 - 31.5	18.5 - 23.8 - 33.8	20.8 - 25.5 - 36	23.3 - 28.8 - 40.3	25.5 - 31.5 - 44.3	27.5 - 33.8 - 47.8	
			45°		4.3 - 7 - 12.8	6 - 9.3 - 15	7.5 - 11.5 - 16.5	9.3 - 12.8 - 18.3	10.8 - 13.8 - 19.5	12.3 - 15 - 21	13.5 - 16.5 - 23.5	15 - 18.3 - 25.5	16.3 - 19.5 - 27.8	
1200mm x 750mm	10.00	9.6	Air Flow, Liters/s		1359	1812	2265	2718	3172	3625	4531	5437	6343	
			NC		11	20	26	32	36	40	47	53	57	
			Throw (m)		0°	10 - 16.3 - 30.3	14.3 - 21.8 - 34.8	18 - 26.8 - 38.8	21.8 - 30.3 - 42.8	25 - 32.5 - 46	28.3 - 34.8 - 49	31.8 - 38.8 - 54.8	34.8 - 42.8 - 60	37.5 - 46 - 65
			22.5°		8 - 12.5 - 23.3	11 - 16.8 - 26.8	14 - 20.8 - 30.3	16.8 - 23.3 - 33	19.5 - 25.3 - 35.8	22 - 26.8 - 38	24.8 - 30.3 - 42.8	26.8 - 33 - 46.8	29 - 35.8 - 50.3	
			45°		4.5 - 7.3 - 13.5	6.5 - 9.8 - 15.5	8 - 12.3 - 17.3	9.8 - 13.5 - 19.3	11.3 - 14.8 - 20.8	12.8 - 15.5 - 22.3	14.3 - 17.3 - 24.8	15.5 - 19.3 - 27.3	16.8 - 20.8 - 29.3	
960mm x 960mm	10.03	9.64	Air Flow, Liters/s		1365	1820	2275	2730	3185	3640	4550	5460	6369	
			NC		11	20	26	32	36	40	47	53	57	
			Throw (m)		0°	10 - 16.3 - 30.3	14.3 - 21.8 - 34.8	18 - 26.8 - 39	21.8 - 30.3 - 42.8	25.3 - 32.5 - 46	28.3 - 34.8 - 49	31.8 - 39 - 55.3	34.8 - 42.8 - 60.3	37.5 - 46 - 65.3
			22.5°		8 - 12.5 - 23.5	11.3 - 16.8 - 26.8	14 - 21 - 30.3	16.8 - 23.5 - 33	19.5 - 25.3 - 35.8	22 - 26.8 - 38	24.8 - 30.3 - 42.8	26.8 - 33 - 46.8	29.3 - 35.8 - 50.5	
			45°		4.5 - 7.3 - 13.5	6.5 - 9.8 - 15.5	8.3 - 12.3 - 17.3	9.8 - 13.5 - 19.3	11.3 - 14.8 - 20.8	12.8 - 15.5 - 22.3	14.3 - 17.3 - 24.8	15.5 - 19.3 - 27.3	16.8 - 20.8 - 29.3	
1050mm x 900mm	10.50	10.1	Air Flow, Liters/s		1430	1907	2383	2860	3337	3813	4767	5720	6673	
			NC		11	20	27	32	37	41	47	53	57	
			Throw (m)		0°	10.3 - 16.5 - 30.8	14.8 - 22 - 35.8	18.3 - 27.8 - 40	22 - 30.8 - 43.5	26 - 33.3 - 47.3	29 - 36.8 - 50.3	32.5 - 40 - 56.5	36.8 - 43.5 - 61.5	38.5 - 47.3 - 66.8
			22.5°		8 - 12.8 - 23.8	11.3 - 17 - 27.8	14.3 - 21.3 - 30.8	17 - 23.8 - 33.8	19.8 - 26 - 36.5	22.5 - 27.8 - 39	25.3 - 30.8 - 43.5	27.8 - 33.8 - 47.8	29.8 - 36.5 - 51.5	
			45°		4.5 - 7.3 - 14	6.8 - 10 - 16.3	8.3 - 12.5 - 18	10 - 14 - 19.5	11.5 - 15 - 21.3	13 - 16.3 - 22.5	14.8 - 18 - 25.3	16.3 - 19.5 - 27.8	17.3 - 21.3 - 29.8	
1150mm x 850mm	10.86	10.45	Air Flow, Liters/s		1480	1973	2466	2959	3452	3946	4932	5918	6905	
			NC		11	20	27	32	37	41	47	53	58	
			Throw (m)		0°	10.3 - 16.8 - 31.5	15 - 22.5 - 36.3	18.5 - 28 - 40.5	22.5 - 31.5 - 44.5	26.3 - 33.8 - 47.8	29.5 - 36.3 - 51.3	33.3 - 40.5 - 57.3	36.3 - 44.5 - 62.8	39 - 47.8 - 67.8
			22.5°		8.3 - 13 - 24.5	11.5 - 17.3 - 28	14.8 - 21.8 - 31.5	17.3 - 24.5 - 34.5	20.5 - 26.3 - 37.3	22.8 - 28 - 39.5	25.5 - 31.5 - 44.5	28 - 34.5 - 48.8	30.3 - 37.3 - 52.5	
			45°		5 - 7.5 - 14	6.8 - 10 - 16.3	8.5 - 12.5 - 18.3	10 - 14 - 20	12 - 15.3 - 21.8	13.5 - 16.3 - 23.3	15 - 18.3 - 26	16.3 - 20 - 28.3	17.8 - 21.8 - 30.5	
1050mm x 950mm	11.08	10.67	Air Flow, Liters/s		1511	2014	2518	3021	3525	4029	5036	6043	7050	
			NC		12	20	27	32	37	41	48	53	58	
			Throw (m)		0°	10.8 - 17 - 31.8	15.3 - 22.5 - 36.5	19 - 28.3 - 40.8	22.5 - 31.8 - 44.8	26.5 - 34.3 - 48.5	29.8 - 36.5 - 51.8	33.5 - 40.8 - 58	36.5 - 44.8 - 63.5	39.5 - 48.5 - 68.5
			22.5°		8.3 - 13 - 24.8	11.5 - 17.8 - 28.3	14.8 - 22 - 31.8	17.8 - 24.8 - 34.8	20.5 - 26.5 - 37.5	23.3 - 28.3 - 40.3	26 - 31.8 - 44.8	28.3 - 34.8 - 49	30.8 - 37.5 - 53	
			45°		5 - 7.5 - 14.3	6.8 - 10.3 - 16.5	8.5 - 12.8 - 18.3	10.3 - 14.3 - 20	12 - 15.5 - 21.8	13.5 - 16.5 - 23.3	15 - 18.3 - 26	16.5 - 20 - 28.8	17.8 - 21.8 - 30.8	
1000mm x 1000mm	11.11	10.7	Air Flow, Liters/s		1515	2020	2525	3030	3535	4040	5050	6060	7070	
			NC		12	20	27	32	37	41	48	53	58	
			Throw (m)		0°	10.8 - 17 - 31.8	15.3 - 22.8 - 36.5	19 - 28.3 - 40.8	22.8 - 31.8 - 44.8	26.5 - 34.5 - 48.5	29.8 - 36.5 - 51.8	33.5 - 40.8 - 58	36.5 - 44.8 - 63.5	39.5 - 48.5 - 68.5
			22.5°		8.3 - 13 - 24.8	12 - 17.8 - 28.3	14.8 - 22 - 31.8	17.8 - 24.8 - 34.8	20.5 - 26.5 - 37.5	23.3 - 28.3 - 40.3	26 - 31.8 - 44.8	28.3 - 34.8 - 49	30.8 - 37.5 - 53	
			45°		5 - 7.5 - 14.3	6.8 - 10.3 - 16.5	8.5 - 12.8 - 18.5	10.3 - 14.3 - 20	12 - 15.5 - 22	13.5 - 16.5 - 23.5	15 - 18.5 - 26.3	16.5 - 20 - 28.8	17.8 - 22 - 30.8	

NC 20

NC 30

NC 40

NC 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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Models 300R, 300F, 301R, & 301F Supply

			NC 20			NC 30			NC 40			NC 50		
Nominal Duct Size	Nominal Duct Area	Core Area	Core Velocity, (m/s)		1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0		
			Velocity Pressure		1	2	4	6	8	10	16	22		
			Total	0°	4	7	11	16	22	29	45	65		
			Pressure	22.5°	5	8	13	18	25	33	51	73		
			45°		7	12	19	28	38	49	77	111		
1200mm x 900mm	12.00	11.57	Air Flow, Liters/s		1638	2184	2730	3276	3822	4368	5460	6553		
			NC		12	21	27	33	37	41	48	53		
			Throw (m)	0°	11 - 17.8 - 33	15.8 - 23.8 - 38	19.8 - 29.5 - 42.8	23.8 - 33 - 46.8	27.5 - 35.8 - 50.3	31 - 38 - 54	34.8 - 42.8 - 60.3	38 - 46.8 - 66.3		
			22.5°	8.5 - 13.8 - 25.5	12.3 - 18.3 - 29.5	15.3 - 22.8 - 33	18.3 - 25.5 - 36.3	21.3 - 27.8 - 39	24 - 29.5 - 41.8	26.8 - 33 - 46.8	29.5 - 36.3 - 51.3			
			45°		5 - 8 - 15	7 - 10.8 - 17	8.8 - 13.5 - 19.3	10.8 - 15 - 21	12.5 - 16.3 - 22.5	14 - 17 - 24.5	15.5 - 19.3 - 27.3	17 - 21 - 29.5		
1050mm x 1050mm	12.30	11.82	Air Flow, Liters/s		1674	2231	2789	3347	3905	4463	5578	6694		
			NC		12	21	27	33	37	41	48	53		
			Throw (m)	0°	11.3 - 18 - 33.3	15.8 - 23.8 - 38.5	19.8 - 29.8 - 43	23.8 - 33.3 - 47.3	27.8 - 36 - 51	31.5 - 38.5 - 54.5	35 - 43 - 61	38.5 - 47.3 - 66.8		
			22.5°	8.5 - 14 - 26	12.3 - 18.5 - 29.8	15.5 - 23.3 - 33.5	18.5 - 26 - 36.5	21.8 - 28 - 39.5	24.5 - 29.8 - 42.3	27.3 - 33.5 - 47.3	29.8 - 36.5 - 51.8			
			45°		5 - 8 - 15	7.3 - 10.8 - 17.3	8.8 - 13.5 - 19.5	10.8 - 15 - 21.3	12.5 - 16.3 - 22.8	14 - 17.3 - 24.5	15.8 - 19.5 - 27.5	17.3 - 21.3 - 30.3		
1100mm x 1100mm	13.44	12.99	Air Flow, Liters/s		1839	2452	3065	3678	4291	4905	6131	7357		
			NC		12	21	28	33	38	42	48	54		
			Throw (m)	0°	11.5 - 19 - 35	16.8 - 25 - 40.5	20.8 - 31.5 - 45	25 - 35 - 49.5	29.3 - 37.8 - 53.3	33 - 40.5 - 57	37 - 45 - 64	40.5 - 49.5 - 70		
			22.5°	9.3 - 14.8 - 27.3	12.8 - 19.5 - 31.5	16.3 - 24.5 - 35	19.5 - 27.3 - 38.5	22.5 - 29.3 - 41.5	25.5 - 31.5 - 44.3	28.8 - 35 - 49.5	31.5 - 38.5 - 54.3			
			45°		5.3 - 8.5 - 15.8	7.5 - 11.3 - 18.3	9.5 - 14 - 20.5	11.3 - 15.8 - 22.3	13 - 17 - 24	15 - 18.3 - 25.5	16.5 - 20.5 - 28.8	18.3 - 22.3 - 31.5		
1200mm x 1050mm	14.00	13.54	Air Flow, Liters/s		1917	2566	3195	3834	4473	5112	6390	7668		
			NC		13	21	28	33	38	42	49	54		
			Throw (m)	0°	12 - 19.3 - 35.8	17 - 25.5 - 41.3	21.3 - 32 - 46	25.5 - 35.8 - 50.5	29.8 - 38.8 - 54.5	33.5 - 41.3 - 58.3	37.8 - 46 - 65.3	41.3 - 50.5 - 71.3		
			22.5°	9.3 - 15 - 27.8	13 - 19.8 - 32	16.5 - 24.8 - 35.8	19.8 - 27.8 - 39	23.3 - 29.8 - 42.3	26.3 - 32 - 45	29.3 - 35.8 - 50.5	32 - 39 - 55.5			
			45°		5.5 - 8.5 - 16.3	7.5 - 11.5 - 18.5	9.5 - 14.3 - 20.8	11.5 - 16.3 - 22.8	13.5 - 17.3 - 24.8	15.3 - 18.5 - 26.3	17 - 20.8 - 29.3	18.5 - 22.8 - 32		
1150mm x 1150mm	14.69	14.22	Air Flow, Liters/s		2013	2684	3356	4027	4698	5369	6711	8053		
			NC		13	21	28	33	38	42	49	54		
			Throw (m)	0°	12.3 - 19.5 - 36.5	17.3 - 26.3 - 42.3	22 - 32.5 - 47.3	26.3 - 36.5 - 51.8	30.5 - 39.5 - 55.8	34.5 - 42.3 - 59.8	38.8 - 47.3 - 66.8	42.3 - 51.8 - 73.3		
			22.5°	9.5 - 15.3 - 28.3	13.5 - 20.5 - 32.5	17 - 25.3 - 36.5	20.5 - 28.3 - 40.3	23.8 - 30.8 - 43.3	26.8 - 32.5 - 46.3	29.8 - 36.5 - 51.8	32.5 - 40.3 - 56.8			
			45°		5.5 - 8.8 - 16.5	8 - 12 - 19	9.8 - 14.8 - 21.3	12 - 16.5 - 23.3	13.8 - 17.8 - 25.3	15.5 - 19 - 26.8	17.3 - 21.3 - 30.3	19 - 23.3 - 33		
1200mm x 1150mm	15.33	14.85	Air Flow, Liters/s		2103	2803	3504	4205	4906	5607	7008	8410		
			NC		13	22	28	34	38	42	49	54		
			Throw (m)	0°	12.5 - 20 - 37.5	18 - 26.8 - 43.3	22.3 - 33.5 - 48.3	26.8 - 37.5 - 53	31 - 40.5 - 57	35.3 - 43.3 - 61	39.3 - 48.3 - 68.3	43.3 - 53 - 74.8		
			22.5°	9.8 - 15.5 - 29	13.8 - 20.8 - 33.5	17.3 - 26 - 37.5	20.8 - 29 - 40.8	24 - 31.5 - 44.3	27.5 - 33.5 - 47.3	30.5 - 37.5 - 53	33.5 - 40.8 - 58			
			45°		5.5 - 9.3 - 16.8	8 - 12.3 - 19.5	10 - 15 - 21.8	12.3 - 16.8 - 23.8	14 - 18.3 - 25.5	15.8 - 19.5 - 27.5	17.8 - 21.8 - 30.8	19.5 - 23.8 - 33.5		
1200mm x 1200mm	16.00	15.50	Air Flow, Liters/s		2195	2926	3658	4389	5121	5852	7315	8778		
			NC		13	22	28	34	38	42	49	55		
			Throw (m)	0°	12.8 - 20.5 - 38	18.3 - 27.5 - 44.3	22.8 - 34.3 - 49.5	27.5 - 38 - 54	32 - 41.3 - 58.5	36 - 44.3 - 62.5	40.3 - 49.5 - 69.8	44.3 - 54 - 76.5		
			22.5°	10 - 15.8 - 29.5	14 - 21.3 - 34.3	17.8 - 26.5 - 38	21.3 - 29.5 - 41.8	24.8 - 32 - 45	28 - 34.3 - 48.5	31 - 38 - 54	34.3 - 41.8 - 59.3			
			45°		5.8 - 9.3 - 17	8.3 - 12.3 - 19.8	10.3 - 15.3 - 22.3	12.3 - 17 - 24.5	14.3 - 18.5 - 26.3	16.3 - 19.8 - 28	18 - 22.3 - 31.5	19.8 - 24.5 - 34.5		

- All pressures are given in Pascals
- 0°, 22.5°, & 45° represent blade deflection angles.
- Performance data is based on duct sizes in bold, the performance varies slightly for duct sizes not shown in bold.
- Throw data is isothermal, at the indicated terminal velocities
- NC is based on a 10dB room attenuation, re 10-12 Watts.

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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