

Model: 63F Return ■ 1/2" Spacing ■ 30° Deflection

Performance based on nominal sizes shown in bold.

Nominal Duct Size (IN)	Nominal Duct Area (SQ FT)	Core Area (SQ FT)	Core Velocity, FPM Velocity Pressure, IN WG Negative Static Pressure, IN WG	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
				0.002 0.009	0.006 0.020	0.010 0.035	0.016 0.055	0.022 0.079	0.031 0.108	0.040 0.140	0.050 0.178	0.062 0.219	0.075 0.265	0.090 0.316	0.105 0.371	0.122 0.430	0.140 0.494
6x6	0.25	0.12	Airflow, CFM	24	36	49	61	73	85	97	109	122	134	146	158	170	182
			NC	-	-	-	-	13	18	22	26	29	32	35	37	40	42
8x6	0.33	0.17	Airflow, CFM	34	51	68	85	102	119	136	153	170	187	204	221	238	255
			NC	-	-	-	-	14	19	24	27	31	34	37	39	42	44
10x6	0.42	0.22	Airflow, CFM	44	66	88	109	131	153	175	197	219	241	263	284	306	328
			NC	-	-	-	10	16	21	25	29	32	35	38	41	43	45
8x8	0.44	0.27	Airflow, CFM	53	80	107	134	160	187	214	241	267	294	321	348	374	401
			NC	-	-	-	11	17	22	26	30	33	36	39	42	44	46
12x6	0.50	0.27	Airflow, CFM	53	80	107	134	160	187	214	241	267	294	321	348	374	401
			NC	-	-	-	11	17	22	26	30	33	36	39	42	44	46
14x6	0.58	0.32	Airflow, CFM	63	95	126	158	190	221	253	284	316	348	379	411	442	474
			NC	-	-	-	12	18	23	27	31	34	37	40	42	45	47
18x6	0.75	0.41	Airflow, CFM	83	124	165	207	248	289	331	372	413	455	496	537	578	620
			NC	-	-	-	13	19	24	28	32	35	38	41	44	46	48
12x8	0.67	0.42	Airflow, CFM	84	126	168	210	252	294	336	378	420	462	504	546	588	630
			NC	-	-	-	13	19	24	28	32	35	39	41	44	46	49
10x10	0.69	0.47	Airflow, CFM	94	141	188	234	281	328	375	422	469	516	563	609	656	703
			NC	-	-	-	14	20	25	29	33	36	39	42	44	47	49
22x6	0.92	0.51	Airflow, CFM	102	153	204	255	306	357	408	459	510	561	613	664	715	766
			NC	-	-	-	14	20	25	29	33	36	40	42	45	47	50
12x10	0.83	0.57	Airflow, CFM	115	172	229	286	344	401	458	516	573	630	688	745	802	859
			NC	-	-	-	15	21	26	30	34	37	40	43	46	48	50
12x12	1.00	0.73	Airflow, CFM	145	218	290	363	435	508	581	653	726	798	871	943	1016	1089
			NC	-	-	-	16	22	27	31	35	38	41	44	47	49	51
18x10	1.25	0.89	Airflow, CFM	177	266	354	443	531	620	708	797	885	974	1063	1151	1240	1328
			NC	-	-	10	17	23	28	32	36	39	42	45	48	50	52
14x14	1.36	1.04	Airflow, CFM	208	311	415	519	623	727	831	934	1038	1142	1246	1350	1453	1557
			NC	-	-	11	18	24	29	33	37	40	43	46	49	51	53
22x10	1.53	1.09	Airflow, CFM	219	328	438	547	656	766	875	984	1094	1203	1313	1422	1531	1641
			NC	-	-	11	18	24	29	33	37	40	44	46	49	51	53
18x12	1.50	1.12	Airflow, CFM	224	336	449	561	673	785	897	1009	1122	1234	1346	1458	1570	1682
			NC	-	-	11	18	24	29	33	37	41	44	46	49	51	54
24x10	1.67	1.20	Airflow, CFM	240	359	479	599	719	839	958	1078	1198	1318	1438	1557	1677	1797
			NC	-	-	11	19	25	29	34	38	41	44	47	49	52	54
18x14	1.75	1.36	Airflow, CFM	272	407	543	679	815	950	1086	1222	1358	1493	1629	1765	1901	2036
			NC	-	-	12	19	25	30	34	38	42	45	47	50	52	55
16x16	1.78	1.50	Airflow, CFM	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250
			NC	-	-	13	20	26	31	35	39	42	45	48	51	53	55
24x12	2.00	1.52	Airflow, CFM	303	455	607	759	910	1062	1214	1366	1517	1669	1821	1973	2124	2276
			NC	-	-	13	20	26	31	35	39	42	45	48	51	53	55
18x18	2.25	1.83	Airflow, CFM	366	549	732	915	1098	1281	1464	1647	1830	2013	2196	2379	2562	2745
			NC	-	-	14	21	27	32	36	40	43	46	49	52	54	56
24x14	2.33	1.84	Airflow, CFM	367	551	735	918	1102	1286	1469	1653	1837	2020	2204	2388	2572	2755
			NC	-	-	14	21	27	32	36	40	43	46	49	52	54	56
30x12	2.50	1.91	Airflow, CFM	383	574	765	957	1148	1339	1531	1722	1913	2105	2296	2487	2678	2870
			NC	-	-	14	21	27	32	36	40	43	46	49	52	54	56
24x16	2.67	2.16	Airflow, CFM	431	647	863	1078	1294	1509	1725	1941	2156	2372	2588	2803	3019	3234
			NC	-	-	15	22	28	33	37	41	44	47	50	52	55	57
20x20	2.78	2.31	Airflow, CFM	462	693	924	1155	1385	1616	1847	2078	2309	2540	2771	3002	3233	3464
			NC	-	-	15	22	28	33	37	41	44	47	50	53	55	57
36x12	3.00	2.31	Airflow, CFM	462	693	924	1155	1385	1616	1847	2078	2309	2540	2771	3002	3233	3464
			NC	-	-	15	22	28	33	37	41	44	47	50	53	55	57
42x12	3.50	2.70	Airflow, CFM	541	811	1082	1352	1623	1893	2164	2434	2705	2975	3246	3516	3787	4057
			NC	-	-	16	23	29	34	38	42	45	48	51	54	56	58
24x20	3.33	2.80	Airflow, CFM	559	839	1118	1398	1677	1957	2236	2516	2795	3075	3354	3634	3913	4193
			NC	-	-	16	23	29	34	38	42	45	48	51	54	56	58
22x22	3.36	2.84	Airflow, CFM	569	853	1138	1422	1706	1991	2275	2559	2844	3128	3413	3697	3981	4266
			NC	-	-	16	23	29	34	38	42	45	49	51	54	56	58
24x22	3.67	3.11	Airflow, CFM	623	934	1246	1557	1869	2180	2492	2803	3115	3426	3738	4049	4360	4672
			NC	-	-	16	24	30	34	39	43	46	49	52	54	57	59

- Static pressures are negative, in inches of water, measured per ASHRAE 70-91
- NC based on room absorption of 10dB, re 10⁻¹² watts, measured per ASHRAE