

DARH ■ DARHD

Core Area (ft ²)	Size (in.)			Core Velocity (FPM)	300	400	500	600	700	800	1000	1200	1400
				Velocity Pressure (in. w.g.)	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
				Neg. Static Pressure (in. w.g.)	0.036	0.064	0.101	0.145	0.197	0.258	0.403	0.580	0.790
0.18	8 x 4	7 x 5	6 x 6	Airflow (CFM)	54	72	90	108	126	144	180	216	252
0.20	10 x 4			Airflow (CFM)	60	80	100	120	140	160	200	240	280
0.26	12 x 4	10 x 5	8 x 6	Airflow (CFM)	78	104	130	156	182	208	260	312	364
0.29	14 x 4			Airflow (CFM)	87	116	145	174	203	232	290	348	406
0.33	16 x 4	12 x 5	10 x 6	Airflow (CFM)	99	132	165	198	231	264	330	396	462
0.38	18 x 4 14 x 5	12 x 6	8 x 8	Airflow (CFM)	114	152	190	228	266	304	380	456	532
0.45	20 x 4 16 x 5	14 x 6	10 x 8	Airflow (CFM)	135	180	225	270	315	360	450	540	630
0.52	24 x 4	18 x 5	16 x 6	Airflow (CFM)	156	208	260	312	364	416	520	624	728
0.58	28 x 4 20 x 5	18 x 6 12 x 8	10 x 10	Airflow (CFM)	174	232	290	348	406	464	580	696	812
0.68	30 x 4 24 x 5	20 x 6 14 x 8	12 x 10	Airflow (CFM)	204	272	340	408	476	544	680	816	952
0.79	36 x 4 28 x 5	22 x 6 16 x 8	14 x 10	Airflow (CFM)	237	316	395	474	553	632	790	948	1106
0.87	40 x 4 30 x 5	26 x 6 18 x 8	12 x 12	Airflow (CFM)	261	348	435	522	609	696	870	1044	1218
1.05	48 x 4 36 x 5	30 x 6 22 x 8	18 x 10 14 x 12	Airflow (CFM)	315	420	525	630	735	840	1050	1260	1470
1.18	40 x 5 34 x 6	24 x 8 20 x 10	16 x 12 14 x 14	Airflow (CFM)	354	472	590	708	826	944	1180	1416	1652
1.35	46 x 5 38 x 6	28 x 8 22 x 10	18 x 12 16 x 14	Airflow (CFM)	405	540	675	810	945	1080	1350	1620	1890
1.60	44 x 6 26 x 10	22 x 12 18 x 14	16 x 16	Airflow (CFM)	480	640	800	960	1120	1280	1600	1920	2240
1.77	50 x 6 36 x 8	28 x 10 24 x 12	20 x 14 18 x 16	Airflow (CFM)	531	708	885	1062	1239	1416	1770	2124	2478
2.06	58 x 6 42 x 8	28 x 12 24 x 14	20 x 16 18 x 18	Airflow (CFM)	618	824	1030	1236	1442	1648	2060	2472	2884
2.37	48 x 8 38 x 10	32 x 12 26 x 14	24 x 16 20 x 18	Airflow (CFM)	711	948	1185	1422	1659	1896	2370	2844	3318
2.73	44 x 10 36 x 12	30 x 14 26 x 16	24 x 18 22 x 20	Airflow (CFM)	819	1092	1365	1638	1911	2184	2730	3276	3822
3.04	48 x 10 40 x 12	34 x 14 30 x 16	26 x 18 24 x 20	Airflow (CFM)	912	1216	1520	1824	2128	2432	3040	3648	4256



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Performance notes at the end of the section.

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				Velocity Pressure (in. w.g.)	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
				Neg. Static Pressure (in. w.g.)	0.036	0.064	0.101	0.145	0.197	0.258	0.403	0.580	0.790
3.71	58 x 10 48 x 12	36 x 16 32 x 18	28 x 20 24 x 24	Airflow (CFM)	1113	1484	1855	2226	2597	2968	3710	4452	5194
4.28	68 x 10 56 x 12	42 x 16 36 x 18	32 x 20 28 x 24	Airflow (CFM)	1284	1712	2140	2568	2996	3424	4280	5136	5992
4.64	72 x 10 60 x 12	44 x 16 40 x 18	36 x 20 30 x 24	Airflow (CFM)	1392	1856	2320	2784	3248	3712	4640	5568	6496
5.50	84 x 10 72 x 12	60 x 14 54 x 16	48 x 18 42 x 20	Airflow (CFM)	1650	2200	2750	3300	3850	4400	5500	6600	7700
6.33	84 x 12 70 x 14	54 x 18 48 x 20	40 x 24 32 x 30	Airflow (CFM)	1899	2532	3165	3798	4431	5064	6330	7596	8862
6.64	72 x 14 42 x 24	36 x 28 46 x 22	32 x 32	Airflow (CFM)	1992	2656	3320	3984	4648	5312	6640	7968	9296
7.08	36 x 30	38 x 28		Airflow (CFM)	2124	2832	3540	4248	4956	5664	7080	8496	9912
7.60	48 x 24 34 x 34	36 x 32 38 x 30		Airflow (CFM)	2280	3040	3800	4560	5320	6080	7600	9120	10640
8.09	36 x 34 38 x 32	40 x 30 48 x 26		Airflow (CFM)	2427	3236	4045	4854	5663	6472	8090	9708	11326
8.71	36 x 36 38 x 34	44 x 30 48 x 28		Airflow (CFM)	2613	3484	4355	5226	6097	6968	8710	10452	12194

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in CFM.
3. All pressures are in w.g.
4. The performance tables are based on DARH grilles without opposed blade dampers.



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