

DARE5 ■ DARE5D

A <sub>c</sub> (ft <sup>2</sup> )	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.)	0.012	0.022	0.034	0.048	0.086	0.135	0.194	0.264	0.345
0.18	8 x 4	Airflow (CFM)	54	72	90	108	126	144	180	216	252
		NC	-	-	-	-	-	-	22	28	33
0.20	10 x 4	Airflow (CFM)	60	80	100	120	140	160	200	240	280
		NC	-	-	-	-	-	15	22	28	34
0.26	12 x 4    8 x 6	Airflow (CFM)	78	104	130	156	182	208	260	312	364
	10 x 5	NC	-	-	-	-	-	15	23	29	34
0.29	14 x 4	Airflow (CFM)	87	116	145	174	203	232	290	348	406
		NC	-	-	-	-	-	15	23	29	34
0.33	16 x 4    10 x 6	Airflow (CFM)	99	132	165	198	231	264	330	396	462
	12 x 5	NC	-	-	-	-	-	16	23	29	34
0.38	18 x 4    12 x 6	Airflow (CFM)	114	152	190	228	266	304	380	456	532
	14 x 5    8 x 8	NC	-	-	-	-	-	16	23	39	34
0.45	20 x 4    14 x 6	Airflow (CFM)	135	180	225	270	315	360	450	540	630
	16 x 5    10 x 8	NC	-	-	-	-	-	16	24	30	35
0.52	24 x 4    16 x 6	Airflow (CFM)	156	208	260	312	364	416	520	624	728
	18 x 5	NC	-	-	-	-	-	17	24	30	35
0.58	28 x 4    18 x 6    10 x 10	Airflow (CFM)	174	232	290	348	406	464	580	696	812
	20 x 5    12 x 8	NC	-	-	-	-	-	17	25	30	35
0.68	30 x 4    20 x 6    12 x 10	Airflow (CFM)	204	272	340	408	476	544	680	816	952
	24 x 5    14 x 8	NC	-	-	-	-	-	18	25	31	36
0.79	36 x 4    22 x 6    14 x 10	Airflow (CFM)	237	316	395	474	553	632	790	948	1106
	28 x 5    16 x 8	NC	-	-	-	-	15	19	26	31	36
0.87	40 x 4    26 x 6    12 x 12	Airflow (CFM)	261	348	435	522	609	696	870	1044	1218
	30 x 5    18 x 8	NC	-	-	-	-	15	19	26	32	37
1.05	48 x 4    30 x 6    18 x 10	Airflow (CFM)	315	420	525	630	735	840	1050	1260	1470
	36 x 5    22 x 8    14 x 12	NC	-	-	-	-	16	20	27	32	37
1.18	40 x 5    24 x 8    16 x 12	Airflow (CFM)	354	472	590	708	826	944	1180	1416	1652
	34 x 6    20 x 10    14 x 14	NC	-	-	-	-	16	20	27	33	37
1.35	46 x 5    28 x 8    18 x 12	Airflow (CFM)	405	540	675	810	945	1080	1350	1620	1890
	38 x 6    22 x 10    16 x 14	NC	-	-	-	-	17	21	28	33	38
1.60	44 x 6    22 x 12    16 x 16	Airflow (CFM)	480	640	800	960	1120	1280	1600	1920	2240
	26 x 10    18 x 14	NC	-	-	-	-	17	21	28	34	38
1.77	50 x 6    28 x 10    20 x 14	Airflow (CFM)	531	708	885	1062	1239	1416	1770	2124	2478
	36 x 8    24 x 12    18 x 16	NC	-	-	-	-	17	22	28	34	39
2.06	42 x 8    28 x 12    20 x 16	Airflow (CFM)	618	824	1030	1236	1442	1648	2060	2472	2884
	32 x 10    24 x 14    18 x 18	NC	-	-	-	-	18	22	29	35	39



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Performance notes at the end of the section.

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A <sub>c</sub> (ft <sup>2</sup> )	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
Neg. Static Pressure (in. w.g.)								0.012	0.022	0.034	0.048	0.086	0.135	0.194	0.264	0.345
2.37	48 x 8	32 x 12	24 x 16	Airflow (CFM)	711	948	1185	1422	1659	1896	2370	2844	3318			
	38 x 10	26 x 14	20 x 18	NC	-	-	-	-	18	23	30	35	40			
2.73	44 x 10	30 x 14	24 x 18	Airflow (CFM)	819	1092	1365	1638	1911	2184	2730	3276	3822			
	36 x 12	26 x 16	22 x 20	NC	-	-	-	-	19	23	30	36	41			
3.04	48 x 10	34 x 14	26 x 18	Airflow (CFM)	912	1216	1520	1824	2128	2432	3040	3648	4256			
	40 x 12	30 x 16	24 x 20	NC	-	-	-	15	20	24	31	37	42			
3.71	58 x 10	36 x 16	28 x 20	Airflow (CFM)	1113	1484	1855	2226	2597	2968	3710	4452	5194			
	48 x 12	32 x 18	24 x 24	NC	-	-	-	16	21	25	32	38	43			
4.28	56 x 12	42 x 16	32 x 20	Airflow (CFM)	1284	1712	2140	2568	2996	3424	4280	5136	5992			
	48 x 14	36 x 18	28 x 24	NC	-	-	-	17	22	26	33	39	44			
4.64	60 x 12	44 x 16	36 x 20	Airflow (CFM)	1392	1856	2320	2784	3248	3712	4640	5568	6496			
	52 x 14	40 x 18	30 x 24	NC	-	-	-	17	22	27	34	40	45			
5.50	84 x 10	60 x 14	48 x 18	Airflow (CFM)	1650	2200	2750	3300	3850	4400	5500	6600	7700			
	72 x 12	54 x 16	42 x 20	NC	-	-	-	18	24	28	36	42	47			
6.33	70 x 14	54 x 18	40 x 24	Airflow (CFM)	1899	2532	3165	3798	4431	5064	6330	7596	8862			
	60 x 16	48 x 20	32 x 30	NC	-	-	-	20	25	30	37	44	49			
6.64	72 x 14	36 x 28	32 x 32	Airflow (CFM)	1992	2656	3320	3984	4648	5312	6640	7968	9296			
	42 x 24	46 x 22		NC	-	-	-	20	26	30	38	44	49			
7.08	36 x 30			Airflow (CFM)	2124	2832	3540	4248	4956	5664	7080	8496	9912			
	38 x 28			NC	-	-	15	21	26	31	39	45	50			
7.60	48 x 24	36 x 32		Airflow (CFM)	2280	3040	3800	4560	5320	6080	7600	9120	10640			
	38 x 30	34 x 34		NC	-	-	15	22	27	32	40	46	52			
8.09	38 x 32	40 x 30		Airflow (CFM)	2427	3236	4045	4854	5663	6472	8090	9708	11326			
	48 x 26	36 x 34		NC	-	-	16	23	28	33	41	47	53			
8.71	38 x 34	48 x 28		Airflow (CFM)	2613	3484	4355	5226	6097	6968	8710	10452	12194			
	44 x 30	36 x 36		NC	-	-	17	23	29	34	42	48	54			

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. The performance tables are based on DARE5 grilles without opposed blade dampers.
4. +4 NC Correction for DARE5D with dampers.
5. NC values are based on room absorption of 10dB re 10<sup>-12</sup> watts @ 0° deflection and one diffuser.
6. Blanks "-" indicate a NC below 15.



Scan for more product information.

