

MODEL: DR4040  
DROP DOWN DIFFUSER

NOMINAL NECK SIZE	FREE AREA SQUARE IN.	NECK VELOCITY, FPM							
		300	400	500	600	700	800	900	1000
12" x 12" x 5"	1.24	300	400	500	600	700	800	900	1000
14" x 14" x 5"	1.53	366	488	612	734	856	978	1000	1122
16" x 16" x 5"	1.81	432	576	720	864	1008	1152	1296	1440
18" x 18" x 5"	2.09	507	676	845	1014	1183	1352	1521	1690
20" x 20" x 6"	3.04	636	848	1060	1272	1484	1696	1908	2120
22" x 22" x 6"	3.40	711	948	1185	1422	1659	1896	2133	2370
24" x 24" x 6"	3.76	786	1048	1310	1572	1834	2096	2358	2620
26" x 26" x 6"	4.02	834	1112	1390	1668	1946	2224	2502	2780
28" x 28" x 6"	4.27	909	1212	1515	1818	2121	2424	2727	3030
30" x 30" x 6"	4.63	984	1312	1640	1962	2296	2624	2952	3280
32" x 32" x 8"	7.21	1500	2000	2500	3000	3500	4000	4500	5000
34" x 34" x 8"	7.73	1608	2144	2680	3216	3752	4288	4824	5360
36" x 36" x 8"	8.25	1710	2280	2850	3420	3990	4560	5130	5700
38" x 38" x 8"	8.83	1830	2440	3050	3654	4269	4879	5489	6099
40" x 40" x 8"	9.45	1958	2611	3264	3766	4568	5221	5873	6526
42" x 42" x 8"	10.11	2095	2793	3492	4029	4887	5586	6273	6982
44" x 44" x 8"	10.82	2241	2988	3756	4311	5229	5976	6722	7470
46" x 46" x 8"	11.58	2398	3197	3798	4613	5595	6394	7193	7993
48" x 48" x 8"	12.39	2566	3421	4278	4936	5987	6842	7697	8553

<p><b>CFM</b> Cubic feet per minute  <b>FPM</b> Feet per minute velocity  <b>TP</b> Total pressure - inches w.g.  <b>VP</b> Velocity pressure - inches w.g.  <b>T</b> Throw in feet  <b>NC</b> Noise criteria (values) based on 10 dB room absorption, re 10 (to 12th power) watts.</p>	<p><b>Performance notes:</b></p> <ol style="list-style-type: none"> <li>All pressures are in inches of water</li> <li>The NC values, sound pressure level, are based on a room absorption of 10 dB re 10<sup>-12</sup> watts.</li> <li>Air flow is in cubic feet per minute, cfm.</li> <li>Throw values are given in feet to terminal velocities of 150 fpm (min.), 100 fpm (middle) and 50 fpm (max.).</li> <li>Throw data is based on supply air and room air being at isothermal conditions.</li> <li>Tested in accordance with ASHRAE Standard 70-1991 "Method of testing for Rating the Performance of Air Outlets and Inlets."</li> </ol>
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