

Performance Data • Model HRDP-2 • 180 Degree Pattern (2-Way)

24 x 24 (600 x 600) Module Size • ΔT - 10°F

Inlet Size	Airflow CFM	Total Pressure Pt	Static Pressure Ps	NC	Horizontal Throw @			Vertical Throw @		
					100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
8" Dia.	200	.044	.024	—	1.5	2.0	2.5	1.5	2.0	3.0
	300	.101	.055	21	2.0	2.5	3.0	3.0	3.5	4.5
	400	.179	.097	30	2.5	3.0	3.5	3.5	4.5	5.5
	500	.280	.152	38	3.0	3.5	4.0	4.0	5.0	6.0
10" Dia.	300	.063	.045	18	2.0	2.5	3.0	3.0	3.5	4.5
	400	.113	.079	27	2.5	3.0	3.5	3.5	4.5	5.5
	500	.176	.124	35	3.0	3.5	4.0	4.0	5.0	6.0
	600	.253	.179	41	3.5	4.0	4.5	4.5	5.5	7.5

48 x 24 (1200 x 600) Module Size • ΔT - 10°F

Inlet Size	Airflow CFM	Total Pressure Pt	Static Pressure Ps	NC	Horizontal Throw @			Vertical Throw @		
					100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
10" Dia.	400	.042	.008	16	1.0	1.0	2.0	1.0	1.5	2.0
	500	.066	.013	22	2.0	2.0	3.0	1.5	2.0	2.5
	600	.094	.019	28	2.0	2.5	3.0	2.0	2.5	3.0
	800	.168	.034	38	2.5	3.0	3.5	2.5	3.0	4.0
12" Dia.	500	.048	.023	—	2.0	2.0	3.0	1.5	2.0	2.5
	600	.068	.032	22	2.0	2.5	3.0	2.0	2.5	3.0
	800	.123	.058	32	2.5	3.0	3.5	2.5	3.0	4.0
	1000	.191	.090	41	3.0	3.5	4.5	3.0	3.5	5.0

Performance Notes:

1. All pressures are in inches w.g.
2. Throws are given at 100, 75 and 50 fpm terminal velocities under non-isothermal conditions. ΔT is the temperature difference between supply and room air. Testing is based on 10°F (5.5°C) cooling.
3. The radial flow pattern of the HRDP-2 is unlike conventional air distribution devices. The data presented above describes isovels by average terminal velocity in both horizontal and vertical directions.
4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in spaces indicates an NC level of less 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

