PERFORMANCE DATA:

MODELS 92RPD-1, 92RPD-1SS • 90° PATTERN

Imperial Units

24" x 24" or 600 mm x 600 mm Module Size • 8" (203 mm) dia. Inlet • ΔT - 10°F (5.5°C)

Airflow CFM	Total Pressure	Static Pressure	Noise Criteria	T Horizontal Throw @			T Vertical Throw @		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
300	.114	.068	21	2.0	2.5	3.5	3.5	4.0	5.0
400	.203	.121	29	2.5	3.5	4.0	4.0	4.5	6.0
500	.317	.189	36	3.0	3.5	4.5	4.5	5.0	7.0

24" x 12" or 600 mm x 300 mm Module Size • 8" (203 mm) dia. Inlet • ΔT - 10°F (5.5°C)

Airflow CFM	Total Pressure	Static Pressure	Noise Criteria	T Horizontal Throw @			T Vertical Throw @		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
200	.067	.046	15	2.5	3.0	4.5	1.5	2.0	2.5
300	.149	.103	28	3.0	4.0	5.0	2.5	3.0	3.5
400	.265	.183	38	3.5	4.5	6.0	3.5	4.0	5.5

48" x 24" or 1200 mm x 600 mm Module Size • 12" (305 mm) dia. Inlet • ΔT - 10°F (5.5°C)

Airflow CFM	Total Pressure	Static Pressure	Noise Criteria	T Horizontal Throw @			T Vertical Throw @		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
600	.082	.046	21	1.5	2.5	3.5	3.0	4.0	6.0
800	.146	.081	30	2.0	3.0	4.0	3.5	5.0	7.5
1000	.228	.127	38	2.5	3.0	4.5	4.5	6.0	8.5

48" x 12" or 1200 mm x 300 mm Module Size • 8" (203 mm) dia. Inlet • ΔT - 10°F (5.5°C)

Airflow CFM	Total Pressure	Static Pressure	Noise Criteria	T Horizontal Throw @			T Vertical Throw @		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
300	.125	.079	22	1.5	2.0	3.0	1.0	1.5	2.0
400	.221	.139	30	2.0	2.5	3.5	2.0	2.5	3.5
500	.346	.218	37	2.5	3.5	4.5	2.5	3.0	4.0

Performance Notes:

1. All pressures are in inches w.g..
2. The radial flow pattern of the **92RPD-1** and **92RPD-1SS** is unlike conventional air distribution devices. The data presented above describes isovels by average terminal velocity in both horizontal and vertical directions.
3. ΔT is the temperature difference between supply and room air. Testing is based on 10°F (5.5°C) cooling.
4. Throw (T) is in feet.
5. Feet per minute (fpm) velocity.
6. Noise Criteria (NC) values based on 10dB room absorption, re 10^{-12} watts.
7. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Typical 75 fpm Isovel