

Performance Data

Adjustable Radial Pattern Diffusers

Models: 92CBPRP, 92CBPRP-AL • Perforated Center Panel

Module Size and Inlet Size	Airflow cfm	Pt "w.g.	Ps "w.g.	NC	Horizontal Throw (ft)		Vertical Throw (ft)	
					5°ΔT	15°ΔT	5°ΔT	15°ΔT
					100-75-50	100-75-50	100-75-50	100-75-50
24" x 24" 8" Inlet	200	.037	.017	—	1-3-4	1-3-4	1-4-6	3-6-7
	300	.084	.038	23	1-4-5	1-3-5	2-5-7	4-7-8
	400	.149	.067	33	1-5-7	1-4-6	3-6-8	5-8-9
24" x 24" 10" Inlet	300	.045	.026	—	1-5-6	2-3-5	2-5-7	4-6-8
	400	.080	.047	21	1-5-7	2-5-6	2-6-8	5-7-9
	600	.181	.106	35	2-6-9	5-7-8	3-6-9	6-8-9
24" x 48" 10" Inlet	400	.068	.035	21	1-2-4	3-4-5	3-4-6	4-6-7
	600	.154	.079	32	2-4-5	2-5-6	4-5-7	5-7-8
	800	.274	.140	42	2-5-7	3-6-7	5-6-7	7-8-9
24" x 48" 12" Inlet	600	.094	.057	24	2-4-5	2-5-6	3-5-7	4-7-8
	800	.165	.100	33	2-5-7	3-5-7	3-6-8	5-7-9
	1000	.258	.157	41	3-5-8	4-6-9	4-7-9	6-8-10

Models: 92CBSRP, 92CBSRP-AL • Straight Blade Center Panel

Module Size and Inlet Size	Airflow cfm	Pt "w.g.	Ps "w.g.	NC	Horizontal Throw (ft)		Vertical Throw (ft)	
					5°ΔT	15°ΔT	5°ΔT	15°ΔT
					100-75-50	100-75-50	100-75-50	100-75-50
24" x 24" 8" Inlet	200	.035	.015	—	1-2-3	1-2-3	1-5-7	2-6-8
	300	.079	.033	22	2-3-4	2-3-3	2-6-7	2-7-8
	400	.140	.058	32	2-3-5	2-3-4	3-7-8	3-8-9
24" x 24" 10" Inlet	300	.043	.024	—	2-3-4	2-3-3	2-6-7	2-7-8
	400	.076	.043	20	2-3-5	2-3-4	3-7-8	3-8-9
	600	.172	.097	34	3-4-7	3-4-5	3-7-9	4-9-10
24" x 48" 10" Inlet	400	.064	.031	—	2-4-5	3-5-6	2-3-5	4-6-7
	600	.144	.069	30	3-5-6	4-6-7	2-5-7	5-7-8
	800	.256	.122	40	5-6-7	6-7-8	3-6-8	6-8-9
24" x 48" 12" Inlet	600	.086	.049	22	3-5-6	4-6-7	2-6-7	5-7-8
	800	.154	.089	31	5-6-7	6-7-8	3-6-8	6-8-9
	1000	.240	.139	39	6-7-8	7-8-9	3-7-8	5-8-10

Performance Notes:

1. Throw values are given for terminal velocities of 100, 75 and 50 fpm.
2. Vertical throw is the furthest distance below the ceiling where the indicated terminal velocity can be measured.
3. ΔT is the cooling temperature differential between supply and room air.
4. NC (Noise Criteria) values based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates an NC level of less than 20.
5. Data derived from tests were conducted in accordance with ANSI/ASHRAE Standard 70 - 2023.

