

## Performance Data • Model Series 92FRP • Flush Face Radial Pattern

### Model 92FRP-2 • 180 Degree 2-Way Pattern

Module Size and Inlet Size	Airflow cfm	Pt "w.g.	Ps "w.g.	NC	Spread (ft)	Vertical Throw (ft)		
						5°ΔT	10°ΔT	15°ΔT
						100-75-50	100-75-50	100-75-50
24" x 24" 8" Inlet	250	.065	.033	24	1 3 5	1 2 5	1 2 5	1 3 5
	300	.086	.040	28	2 4 6	1 3 5	1 3 5	1 3 5
	400	.152	.070	36	3 4 7	2 3 5	2 4 5	3 4 7
	500	.223	.095	42	4 6 8	3 4 5	4 5 6	4 6 7
24" x 24" 10" Inlet	250	.028	.015	<20	1 2 3	0 1 2	1 1 2	1 1 2
	300	.037	.019	<20	1 2 4	1 1 2	1 2 3	1 2 3
	475	.085	.038	26	3 4 7	1 2 5	1 3 6	2 4 7
	600	.129	.054	38	4 6 8	3 4 7	3 5 8	4 6 9
24" x 48" 10" Inlet	400	.062	.028	<20	3 5 6	0 1 1	0 1 1	1 2 2
	500	.100	.048	24	5 7 9	1 2 3	1 2 4	1 2 4
	700	.193	.090	41	5 7 10	2 2 5	2 3 6	2 5 7
	900	.324	.155	49	7 9 11	2 5 7	3 6 8	3 6 8
24" x 48" 12" Inlet	500	.054	.029	<20	1 2 4	1 1 2	1 2 2	1 2 4
	650	.093	.050	26	2 4 7	1 2 4	1 2 4	2 4 6
	750	.150	.085	31	3 5 8	1 3 5	2 3 5	2 4 6
	1000	.226	.125	46	4 8 11	2 3 6	3 6 8	4 6 8

### Model 92FRP-1 • 90 Degree 1-Way Pattern

Module Size and Inlet Size	Airflow cfm	Pt "w.g.	Ps "w.g.	NC	Spread (ft)	Vertical Throw (ft)		
						5°ΔT	10°ΔT	15°ΔT
						100-75-50	100-75-50	100-75-50
24" x 24" 8" Inlet	250	.064	.032	<20	1 1 3	0 0 1	0 1 2	1 1 3
	300	.084	.380	28	1 2 4	0 1 1	1 2 3	1 3 5
	400	.150	.068	35	2 3 4	1 1 2	2 3 5	2 5 9
	500	.218	.090	40	3 3 4	1 1 3	2 4 9	4 6 9
24" x 24" 10" Inlet	250	.028	.015	<20	1 2 3	1 1 2	1 2 3	2 3 6
	300	.044	.018	22	1 2 4	1 2 5	2 4 7	3 6 9
	475	.084	.037	27	3 3 5	2 4 5	3 6 7	6 7 9
	600	.127	.052	38	3 4 5	2 5 7	4 6 8	7 8 9
24" x 48" 10" Inlet	400	.058	.024	<20	1 2 3	1 3 4	1 3 4	3 5 8
	500	.095	.043	24	2 3 4	2 4 5	2 4 6	4 7 9
	700	.178	.075	40	2 3 4	2 4 5	3 5 7	6 8 9
	900	.314	.145	48	3 5 7	3 5 7	4 6 8	8 8 9
24" x 48" 12" Inlet	500	.050	.025	<20	1 1 3	2 5 7	3 5 7	4 6 7
	650	.088	.045	26	2 3 5	3 6 8	4 6 8	5 7 9
	750	.145	.080	32	3 4 5	4 6 9	5 7 9	6 7 9
	1000	.221	.120	44	2 5 7	7 9 9	8 9 9	8 9 9

#### Performance Notes:

1. Throw and Spread values are given for terminal velocities of 100, 75 and 50 fpm.
2. Spread is the maximum width of the isovel at the indicated terminal velocity.
3. Vertical throw is the furthest distance below the ceiling where the indicated terminal velocity can be measured.
4. ΔT is the cooling temperature differential between supply and room air.
5. NC (Noise Criteria) values based on 10dB room absorption, re 10<sup>-12</sup> watts.
6. Data derived from tests were conducted in accordance with ANSI /ASHRAE Std 70-1991.

