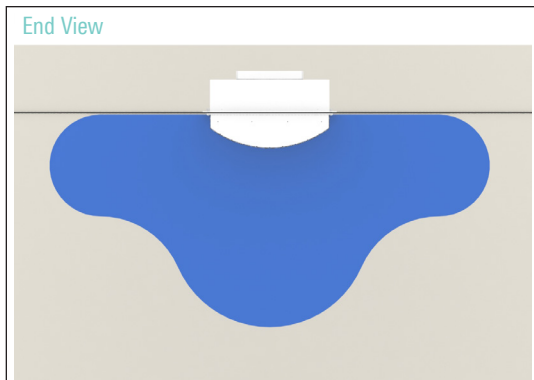


RADIATEC-AL AND RADIATEC-SS

Module Size Inlet Size	2-Way Pattern				Horizontal Spread (feet)						Vertical Throw (feet)					
					5 Degree ΔT			15 Degree ΔT			5 Degree ΔT			15 Degree ΔT		
	cfm	Ps	Pt	NC	100 - 75 - 50			100 - 75 - 50			100 - 75 - 50			100 - 75 - 50		
24" x 24" 8" Inlet	200	0.082	0.061	-	5	6	8	4	5	7	2	3	3	2	3	4
	300	0.092	0.138	18	7	8	9	6	7	8	2	4	5	2	4	6
	400	0.163	0.245	28	8	9	10	7	8	10	4	5	6	4	5	7
24" x 24" 10" Inlet	300	0.075	0.094	18	6	7	8	6	6	7	3	4	5	3	4	5
	400	0.133	0.167	28	6	7	9	6	7	8	4	5	6	4	5	6
	500	0.209	0.261	35	7	8	10	7	8	9	4	5	6	5	6	7
48" x 24" 10" Inlet	400	0.027	0.061	-	2	3	5	2	3	5	1	2	3	2	3	4
	600	0.062	0.138	15	4	5	6	4	5	6	1	2	4	3	4	6
	800	0.111	0.245	23	5	6	7	5	6	7	1	2	4	4	5	7
48" x 24" 12" Inlet	600	0.065	0.101	-	4	5	7	3	5	6	2	3	4	3	4	5
	800	0.114	0.179	20	5	6	8	4	5	7	3	4	5	4	5	6
	1000	0.179	0.280	27	6	7	9	5	6	8	3	4	6	4	5	7
Module Size Inlet Size	1-Way Pattern				Horizontal Spread (feet)						Vertical Throw (feet)					
					5 Degree ΔT			15 Degree ΔT			5 Degree ΔT			15 Degree ΔT		
	cfm	Ps	Pt	NC	100 - 75 - 50			100 - 75 - 50			100 - 75 - 50			100 - 75 - 50		
24" x 24" 8" Inlet	200	0.053	0.071	12	5	6	7	5	6	7	1	2	3	1	2	3
	300	0.118	0.164	25	6	7	8	6	7	9	2	4	6	2	4	6
	400	0.209	0.291	34	7	8	9	7	8	10	4	5	7	3	5	7
24" x 24" 10" Inlet	300	0.111	0.130	26	5	6	7	5	6	8	4	5	6	6	7	9
	400	0.196	0.230	35	6	7	8	6	7	9	5	6	7	7	8	10
	500	0.308	0.360	41	7	8	10	7	8	10	6	7	8	8	9	11
48" x 24" 10" Inlet	400	0.029	0.063	-	3	5	7	3	5	8	3	4	6	4	6	8
	600	0.066	0.142	16	5	6	8	6	7	9	5	6	7	6	7	8
	800	0.119	0.253	26	7	8	9	7	8	10	5	6	8	7	8	10
48" x 24" 12" Inlet	600	0.075	0.111	-	4	6	8	5	6	7	4	5	6	6	6	7
	800	0.133	0.198	23	7	8	9	6	7	8	5	6	7	7	8	10
	1000	0.208	0.309	31	8	9	11	7	8	9	5	6	7	8	9	11

- Spread is the maximum width of the isovel at the indicated terminal velocity
- Horizontal throw is the furthest distance from diffuser center point where the indicated terminal velocity can be measured
- Vertical throw is the furthest distance below the ceiling where the indicated terminal velocity can be measured
- Low emissivity heaters were used to maintain loads, which were set to match the supply air conditions. There were no obstructions in the room during the tests.
- Sound and pressure drop tests were conducted in accordance with ASHRAE Standard 70-2006 and ANSI S1.31 Procedures

2-WAY PATTERN



1-WAY PATTERN

