

Performance Data



5160 Series

24x24 Module Size 8" dia inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5° ΔT			T Vertical Throw @ 10° ΔT			T Vertical Throw @ 15° ΔT		
				100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM
200	0.054	0.032	<20	1	2	3	1	1	2	1	2	2	1	2	3
300	0.121	0.072	26	1	3	4	1	2	3	1	2	3	2	3	4
400	0.215	0.128	35	2	3	4	2	3	5	2	3	5	3	4	7
500	0.336	0.2	41	3	4	5	2	4	6	2	4	7	4	5	8
600	0.484	0.288	45	4	5	6	3	4	7	4	7	9	5	8	10

24x24 Module Size 10" dia inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5° ΔT			T Vertical Throw @ 10° ΔT			T Vertical Throw @ 15° ΔT		
				100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM
200	0.025	0.016	<20	1	2	4	1	1	2	1	2	2	1	2	3
300	0.056	0.036	20	2	3	5	1	2	3	1	2	4	2	3	4
400	0.099	0.064	28	3	4	6	2	3	5	2	3	6	4	5	7
500	0.155	0.1	33	4	5	7	2	4	7	3	5	8	5	6	9
600	0.223	0.144	36	4	6	8	4	6	8	4	7	10	6	9	10

48x24 Module Size 10" dia inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5° ΔT			T Vertical Throw @ 10° ΔT			T Vertical Throw @ 15° ΔT		
				100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM
400	0.096	0.061	24	1	2	3	2	4	6	3	4	6	4	5	7
500	0.15	0.095	28	1	2	3	3	4	6	3	5	7	4	6	8
600	0.216	0.136	33	2	2	4	3	5	7	5	6	7	5	6	8
700	0.294	0.186	37	2	3	4	4	5	7	5	6	8	6	7	9
800	0.383	0.242	41	3	4	5	4	6	8	6	7	8	6	8	9
900	0.485	0.307	46	3	4	6	5	6	8	6	7	9	7	8	10

48x24 Module Size 12" dia inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5° ΔT			T Vertical Throw @ 10° ΔT			T Vertical Throw @ 15° ΔT		
				100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM	100 FPM	75 FPM	50FPM
500	0.079	0.053	20	1	2	3	3	4	7	4	5	7	4	6	8
600	0.114	0.076	23	2	3	4	4	5	7	5	6	8	5	7	9
700	0.155	0.103	27	3	3	5	4	6	8	6	7	9	6	8	9
800	0.202	0.135	31	3	4	5	5	7	8	6	8	9	7	9	10
900	0.256	0.171	37	3	4	6	6	7	9	7	9	10	8	9	10
1000	0.316	0.211	44	4	5	7	7	8	9	8	9	10	8	10	10

Performance Notes:

1. The radial flow pattern of the 5160 is unlike conventional air distribution devices. The data presented above describes isovels by average terminal velocity in both horizontal and vertical directions.
2. ΔT is the temperature difference between supply and room air. Testing is based on 10°F cooling.
3. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.