



Performance Data

5165 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	0.058	0.037	20	1	2	4	1	1	1	1	1	2	1	1	2
300	0.131	0.082	29	2	3	6	1	2	2	1	2	3	1	2	3
400	0.233	0.146	36	3	5	7	1	3	4	2	3	4	2	4	5
500	0.365	0.228	43	4	6	8	2	3	6	2	4	6	3	5	7
600	0.525	0.329	50	4	7	9	3	4	7	3	5	8	3	7	9

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	0.026	0.017	20	1	1	2	1	1	1	1	1	2	1	1	2
300	0.058	0.039	20	1	2	4	1	2	2	1	2	3	1	2	4
400	0.104	0.068	24	2	3	6	1	3	5	2	3	5	2	4	6
500	0.162	0.107	29	3	5	8	2	4	6	2	4	7	3	5	8
600	0.233	0.154	38	4	6	9	3	5	8	3	6	9	4	7	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	0.099	0.064	20	3	4	7	1	1	2	1	2	2	1	2	3
500	0.155	0.1	24	4	5	8	1	2	3	1	2	3	1	3	4
600	0.223	0.144	30	5	6	9	1	2	4	1	2	5	2	4	6
700	0.304	0.196	38	5	7	9	2	2	5	2	3	6	2	4	6
800	0.397	0.256	45	6	8	10	2	3	5	2	4	7	3	5	7
900	0.502	0.324	51	6	9	11	2	4	6	3	5	8	4	6	8

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	0.083	0.057	20	2	3	4	1	2	3	1	2	4	2	3	5
600	0.119	0.082	24	2	3	6	1	2	4	1	2	5	2	3	6
700	0.163	0.111	29	3	4	8	1	2	5	2	3	6	2	4	7
800	0.212	0.145	34	3	5	9	2	3	5	2	4	7	3	5	8
900	0.269	0.183	40	4	6	10	2	4	6	3	5	8	4	6	9
1000	0.332	0.226	46	4	8	11	3	5	7	4	6	9	4	7	10

Performance Notes:

1. The radial flow pattern of the 5185 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.