Performance Data

104-FR Series

Size	Eff. Area (ft^2)	Velocity / Duct Pt.	300 / 0.007			400 / 0.011			500 / 0.017			600 / 0.024			700 / 0.032			800 / 0.044			900 / 0.056			1000 / 0.067		
8x8-6	0.174	CFM	52			70			87			104			122			139			157			174		
		NC	<20			20-25			25-30			30			35			35-40			40			45		
		Throw (ft.)	2	3	4	3	4	5.5	4	5	7	5	6	8	6	7	10	7	8.5	11	8	9	14	9	11	15
10x10-8	0.323	CFM	97			129			161			194			226			258			291			323		
		NC	<20			20-25			25-30			30			35			35-40			40			45		
		Throw (ft.)	3	3.5	4.5	4	4.5	6	5	5.5	7.5	6	7	9	7	7.5	11	8	9	12	9	10	15	10	12	18
12x12-10	0.519	CFM	156			208			259			311			363			415			467			519		
		NC	20			25-30			30			30			<40			40-45			45			45		
		Throw (ft.)	4	4.5	5.5	5	5.5	7	6	7	9	7	8	10.5	8	9.5	12.5	9	10	14	10	12	18	11	13	19
14x14-12	0.762	CFM	229			305			381			457			533			609			686			762		
		NC	20			25-30			30			30-35			<40			40-45			45			50		
		Throw (ft.)	5	5.5	6.5	6	7	9	7	8	11	8	10	14	10	12	16	11	14	18	12	15	22	14	17	25
16x16-14	1.052	CFM	316			421			526			631			736			841			947			1052		
		NC	25			25-30			30			35			35-40			45			<50			50		
		Throw (ft.)	5	6	8	7	7.5	9.5	8	9	12	10	11.5	16	11	13.5	19	13	16	22	14	17	25	16	19	29
18x18-16	1.357	CFM	407			543			678			814			950			1085			1221			1357		
		NC	25-30			30			30-35			35-40			40			45			50			>50		
		Throw (ft.)	6	7	9	8	9	11	9	10	14	11	13	17	13	15	21	15	17	23	16	18	26	17	20	30
20x20-18	1.391	CFM	417			556			695			835			974			1113			1252			1391		
		NC	30			30-35			35-40			40			40-45			45-50			50-55			>55		
		Throw (ft.)	7	8	10	9	10	13	10	12	16	13	15	19	15	17	24	17	19	26	18	20	30	19	22	32

Performance Notes:

1) For square neck multiply CFM x 1.21
2) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
3) Throw data is based on supply air and room air both at isothermal conditions
4) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
5) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006