

Performance Data



104P Series

Neck Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300			400			500			600			700			800			900			1000		
			0.007	0.011	0.017	0.024	0.032	0.044	0.056	0.067																
8x8-6	0.169	CFM	51			67			84			101			118			135			152			169		
		NC	<20			20-25			25-30			30			35			35-40			40			45		
		Throw (ft.)	2	3	4	3	4	5.5	4	5	6.5	5	6	8	6	7	10	7	8	11	8	9	13	9	10	14
10x10-8	0.313	CFM	94			125			157			188			219			251			282			313		
		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	6	6.5	8.5	7	7.5	11	8	9	12	9	10	14	10	11	17
12x12-10	0.503	CFM	151			201			252			302			352			403			453			503		
		NC	20			25-30			30			30			<40			40-45			45			45		
		Throw (ft.)	4	4.5	5.5	5	5	7	6	6.5	9	7	7.5	11	8	9.5	13	9	11	15	10	11	16	11	12	18
14x14-12	0.739	CFM	222			296			369			443			517			591			665			739		
		NC	20			25-30			30			30-35			<40			40-45			45			50		
		Throw (ft.)	5	5.5	6.5	6	7	8.5	7	7.5	10.5	8	9	13	10	11	15	10	12	16	12	15	21	13	15	23
16x16-14	1.020	CFM	306			408			510			612			714			816			918			1020		
		NC	25			25-30			30			35			35-40			45			<50			50		
		Throw (ft.)	5	5.5	7.5	7	7.5	9.5	8	8.5	12	9	12	15	12	14	18	12	14	19	14	17	23	15	17	26
18x18-16	1.316	CFM	395			526			658			790			921			1053			1185			1316		
		NC	25-30			30			30-35			35-40			40			45			50			>50		
		Throw (ft.)	6	7	8.5	8	8.5	10.5	9	9	13	10	12	16	13	14	20	14	16	22	16	18	25	16	18	28
20x20-18	1.349	CFM	405			540			675			810			944			1079			1214			1349		
		NC	30			30-35			35-40			40			40-45			45-50			50-55			>55		
		Throw (ft.)	6.5	7	9	9	10	12	10	11	15	11	13	17	14	15	21	16	17	24	18	19	28	18	20	30

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) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006