Performance Data

825CB Series

Collar Size	Eff. Area (ft^2)	Velocity	300			400			500			600			700			800			900			1000		
		Duct Pt.	0.007			0.011			0.017			0.024			0.032			0.044			0.056			0.067		
6"	0.195	CFM	59			78			98			117			137			156			176			195		
		NC	<20			<20			<25			25			<30			30			<35			35		
		Throw (ft.)	2	3	4	3	4.5	6	4	6	8	5	7	9	6	8	10	7	9	12	7	10	13	8	11.5	15
7"	0.265	CFM	80			106			133			159			186			212			239			265		
		NC	<20			20			<25			25			<30			30			<35			35		
		Throw (ft.)	2.5	3.5	4.5	4	5	6.5	4.5	6	8	5.5	7.5	9.5	6	8	11	7	9	12.5	8	11	14	9	12.5	16
8"	0.347	CFM	104			139			173			208			243			277			312			347		
		NC	<20			<20			<20			<20			<20			<20			20			20		
		Throw (ft.)	3	4	5	4	5	7	5	7	9	6	8	10	6	9	12	7	10	13	8	11	15	9	13	16
9"	0.439	CFM	132			176			219			263			307			351			395			439		
		NC	<20			20			25			<30			30			<35			35			40		
		Throw (ft.)	4	5	6	4	5.5	6.5	5	7	9.5	6	8.5	11	7	10	13	7	11	14	8	12	16	9	13	17
10"	0.542	CFM	163			217			271			325			379			433			488			542		
		NC	<20			<20			<20			<20			<20			<20			20			25		
		Throw (ft.)	3	5	7	4	6	8	5	7.5	10	6	9	12	7	11	14	8	12	16	9	13	17	10	14	18
12"	0.780	CFM	234			312			390			468			546			624			702			780		
		NC	<20			<20			<20			<20			<20			20			25			25		
		Throw (ft.)	6	9	11	7	11	14	9	12	15	11	14	17	13	16	19	14	17	20	14	18	22	15	19	23
14"	1.062	CFM	319			425			531			637			743			849			956			1062		
		NC	<20			<20			<20			<20			<20			20			25			25-30		
		Throw (ft.)	6	10	13	9	12	15	12	15	18	14	17	20	16	19	22	18	21	24	19	23	27	20	24	28
16"	1.387	CFM	416			555			693			832			971			1109			1248			1387		
		NC	<20			<20			<20			<20			20			25			25			25-30		
		Throw (ft.)	7	11	15	11	14	17	16	18	20	17	20	23	19	22	26	21	25	28	22	26	30	24	28	32

Performance Notes:

1 For square neck multiply CFM x 1.21

2 Additional performance data for sizes not listed is available at www.shoemakermfg.com

3 Throw values are measured in feet for terminal velocities of 100/75/50 FPM

4 Throw data is based on supply air and room air both at isothermal conditions