

# Performance Data



CSW Industrials Companies

## 845-0 Series

Size	Eff. Area (ft <sup>2</sup> )	Velocity Duct Pt.	300	400	500	600	700	800	900	1000	1200																		
			0.007	0.011	0.017	0.024	0.034	0.044	0.055	0.068	0.100																		
8x4	0.067	CFM	20		27		33		40		47		54		60		67		80										
		NC	<20		20		25		25		30		30		35		35		40										
		Throw C	2	3	4	4	4.5	6	5	6	7	6	7	9	6	7.5	11	8	9	12	8	9.5	15	9	10.5	16	11	13	19
		Throw S	2	2.5	4	2	2.5	4	2	2.5	5	2	2.5	5	2	3	4	2	3.5	5	3	3.5	6	3	4	6	4	5	8
		10x4	0.088	CFM	26		35		44		53		61		70		79		88		105								
NC	<20			20		25		25		30		30		35		35		40											
Throw C	2			3	4	4	4.5	5.5	5	6	7	6	7	9	7	8	12	8	9.5	12.5	8	9.5	14.5	9	10.5	16	11	13	19
Throw S	1			2	2	2	2.5	3.5	3	3.5	4.5	4	4.5	6	4	4.5	6.5	4	5	7	4	5.5	8.5	5	6.5	9.5	6	7	11
12x4 8x6	0.110			CFM	33		44		55		66		77		88		99		110		132								
		NC	<20		20		25		25		30		30		35		40		40										
		Throw C	3	4	5	4	5.5	7	6	7	9	6	7.5	11	8	9	12	8	10	14	9	11	16	10	12	18	12	14.5	22
		Throw S	2	2.5	4	2	3	4	3	3.5	5	4	4.5	6	4	5	7	5	6	8	5	6.5	10	6	7	11	7	8	12
		14x4	0.131	CFM	39		52		65		79		92		105		118		131		157								
NC	<20			20		25		25		30		30		35		40		40											
Throw C	3			4	5	5	5.5	6.5	6	7	8.5	6	7.5	10.5	8	9	12	8	10	14	9	11	16	10	12	18	12	14.5	22
Throw S	2			2.5	3.5	3	3.5	4.5	4	4.5	5.5	4	5	7	5	6	8	6	7	9	6	7	11	7	8	12	8	9.5	14.5
10x6 8x8	0.138			CFM	42		55		69		83		97		111		125		138		166								
		NC	<20		20		25		25		30		30		35		40		40										
		Throw C	3	4.5	6	5	6.5	8	7	8	10	8	9	12	8	10	14	10	12	16	11	13	19	12	14	21	14	17	25
		Throw S	2	2.5	4	3	3.5	5	4	4.5	6	4	5	7	5	6	8	6	7	9	6	7.5	12	8	9	13	9	10.5	16
		12x6	0.171	CFM	51		68		85		103		120		137		154		171		205								
NC	<20			20		25		30		35		35		40		40		40											
Throw C	4			5	6	5	6.5	7.5	7	7.5	9.5	7	8.5	11.5	8	10	14	10	12	16	10	12.5	19	11	13.5	20	13	16	24
Throw S	2			3	4	4	4.5	5.5	5	6	7	6	7	9	6	7.5	10.5	7	8.5	11.5	7	9	15	9	10.5	16	10	12	18
14x6	0.204			CFM	61		81		102		122		142		163		183		204		244								
		NC	<20		20		25		30		35		35		40		40		40										
		Throw C	5	5.5	6.5	6	7	9	8	9	11	8	10	14	10	12	16	11	13.5	18	12	14.5	22	13	16	24	15	19	29
		Throw S	4	4.5	6	5	5.5	7	5	6.5	8	6	7	9	7	8	11	8	9.5	13	8	10	15	9	11	17	11	13.5	20
		12x8 10x10	0.236	CFM	71		94		118		141		165		189		212		236		283								
NC	<20			20		25		30		35		35		40		40		45											
Throw C	5			5.5	7	6	7	9	8	9	11	8	10	14	10	12	16	12	14	19	13	15	22	13	16	25	16	20	30
Throw S	4			5	6	5	5.5	6.5	6	7	9	7	8	11	8	9.5	12.5	9	10.5	14.5	9	11	17	10	12	18	13	15	23
14x8	0.281			CFM	84		112		140		168		197		225		253		281		337								
		NC	<20		20		25		30		35		40		40		40		45										
		Throw C	5	6.5	8	7	8.5	11	9	11.5	15	10	12	16	12	14	19	13	16	22	14	17	26	15	19	29	17	22	34
		Throw S	4	5	6	6	6.5	8	7	7.5	10	7	8.5	12	8	10	14	10	11.5	16	10	12	18	11	13.5	20	13	16	24
		16x8	0.303	CFM	91		121		151		182		212		242		272		303		363								
NC	<20			20		25		30		35		35		40		40		45											
Throw C	5			5.5	7	6	7	9	8	9	11	8	10	14	10	12	16	12	14	19	13	15	22	13	16	25	16	20	30
Throw S	4			5	6	6	7	8	8	8	10	8	9	12	9	11	15	11	12	17	11	13	19	12	15	22	14	17	26

# Performance Data



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## 845-0 Series

Size	Eff. Area (ft <sup>2</sup> )	Velocity Duct Pt.	300	400	500	600	700	800	900	1000	1200																		
14x10	0.352	Duct Pt.	0.007		0.011		0.017		0.024		0.034		0.044		0.055		0.068		0.100										
		CFM	106		141		176		211		247		282		317		352		423										
		NC	20		25		30		35		35		40		40		45		45										
		Throw C	6	7	8	8	9	12	10	13	16	11	13	18	13	15	21	14	18	24	15	19	29	17	21	32	19	24	37
		Throw S	4	5	6	6	6.5	8	7	7.5	10	7	8.5	12	8	10	14	10	11.5	16	10	12	18	11	13.5	20	13	16	24

- 1) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 2) Throw data is based on supply air and room air both at isothermal conditions

- 3) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
- 4) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006