

Performance Data



CSW Industrials Companies

845-0 Series

Size	Eff. Area (ft ²)	Velocity Duct Pt.	300 0.007	400 0.011	500 0.017	600 0.024	700 0.034	800 0.044	900 0.055	1000 0.068	1200 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			35			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			35			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			35			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			35			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			35			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

845-0 Series

Size	Eff. Area (ft ²)	Velocity	300			400			500			600			700			800			900			1000			1200		
		Duct Pt.	0.007			0.011			0.017			0.024			0.034			0.044			0.055			0.068			0.100		
14x10	0.352	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