



Quality Registers, Grilles and Diffusers Since 1947

## Engineering Data

845 Series																													
Size	Velocity		300			400			500			600			700			800			900			1000			1200		
	Duct Pt		.007			.011			.017			.024			.034			.044			.055			.068			.100		
8x4	Eff.Area .083 ft <sup>2</sup>	CFM	23			30			38			45			53			60			68			75			90		
		NC	<20			20			25			25			30			30			35			35			40		
		Throw C	3	3.5	4	4.5	5	5.5	6	6.5	7	7	8	9	7.5	9	10.5	9	10.5	12	9.5	12	14.5	10.5	13	15.5	13	16	19
		Throw S	2.5	3	3.5	2.5	3	3.5	2.5	3.3	5	2.5	3.3	5	3	3.5	4	3.5	4	4.5	3.5	4.5	5.5	4	5	6	5	6.5	8
10x4	Eff.Area .104 ft <sup>2</sup>	CFM	28			38			48			57			66			75			85			94			113		
		NC	<20			20			25			25			30			30			35			35			40		
		Throw C	3	3.5	4	4.5	5	5.5	6	6.5	7	7	8	9	8	9.5	11	9.5	11	12.5	9.5	12	14.5	10.5	13	15.5	13	16	19
		Throw S	2	2	2	2.5	3	3.5	3.5	4	4.5	4.5	5	6	4.5	5.5	6.5	5	6	7	5.5	7	8.5	6.5	8	9.5	7	9	11
12x4	Eff.Area .133 ft <sup>2</sup>	CFM	36			48			60			72			85			97			109			121			145		
		NC	<20			20			25			25			30			35			35			40			40		
		Throw C	4	4.5	5	5.5	6	6.5	7	7.5	8.5	7.5	9	10.5	9	10.5	12	10	12	14	11	13.5	16	12	15	18	14.5	18	22
		Throw S	2.5	3	3.5	3	3.5	4	3.5	4	4.5	4.5	5	6	5	6	7	6	7	8	6.5	8	9.5	7	9	11	8	10	12
14x4	Eff.Area .157 ft <sup>2</sup>	CFM	42			57			72			86			100			114			129			143			171		
		NC	<20			20			25			25			30			35			35			40			40		
		Throw C	4	4.5	5	5.5	6	6.5	7	7.5	8.5	7.5	9	10.5	9	10.5	12	10	12	14	11	13.5	16	12	15	18	14.5	18	22
		Throw S	2.5	3	3.5	3.5	4	4.5	4.5	5	5.5	5	6	7	6	7	8	7	8	9	7	9	11	8	10	12	9.5	12	14.5
10x6	Eff.Area .173 ft <sup>2</sup>	CFM	51			69			87			104			121			138			156			173			207		
		NC	<20			20			25			25			30			35			35			40			40		
		Throw C	4.5	5	5.5	6.5	7	7.5	8	9	10	9	10.5	12	10	12	14	12	14	16	13	16	19	14	18	21	17	21	25
		Throw S	2.5	3	3.5	3.5	4	4.5	4.5	5	5.5	5	6	7	6	7	8	7	8	9	7.5	9.5	11.5	9	11	13	10.5	13	15.5
12x6	Eff.Area .202 ft <sup>2</sup>	CFM	61			81			101			121			142			162			182			202			243		
		NC	<20			20			25			30			35			35			35			40			40		
		Throw C	5	5.5	6	6.5	7	7.5	7.5	8.5	9.5	8.5	10	11.5	10	12	14	12	14	16	12.5	15.5	19	13.5	17	20	16	20	24
		Throw S	3	3.5	4	4.5	5	5.5	6	6.5	7	7	8	9	7.5	9	10.5	8.5	10	11.5	9	11.5	15	10.5	13	15.5	12	15	18
14x6	Eff.Area .255 ft <sup>2</sup>	CFM	71			101			127			152			177			202			228			253			304		
		NC	<20			20			25			30			35			35			35			40			40		
		Throw C	5.5	6	6.5	7	8	9	9	10	11	10	12	14	12	14	16	13.5	16	18	14.5	18	22	16	20	24	19	24	29
		Throw S	4.5	5	5.5	5.5	6	6.5	6.5	7	7.5	7	8	9	8	9.5	11	9.5	11	12.5	10	12.5	15	11	14	17	13.5	17	20

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845 Series																														
Size	Velocity		300			400			500			600			700			800			900			1000			1200			
	Duct Pt		.007			.011			.017			.024			.034			.044			.055			.068			.100			
12x8	Eff.Area .305 ft <sup>2</sup>	CFM		90			120			150			179			209			239			269			299			359		
		NC		<20			20			25			30			35			35			40			40			45		
		Throw C	5.5	6	6.5	7	8	9	9	10	11	10	12	14	12	14	16	14	17	19	15	19	22	16	21	25	20	25	30	
Throw S	5	5.5	6	5.5	6	6.5	7	8	9	8	9.5	11	9.5	11	12.5	10.5	12.5	14.5	11	14	17	12	15	18	15	19	23			
14x8	Eff.Area .369 ft <sup>2</sup>	CFM		110			147			184			221			258			294			331			368			442		
		NC		<20			20			25			30			35			40			40			40			45		
		Throw C	6.5	7	7.5	8.5	9.5	10.5	11.5	13	14.5	12	14	16	14	17	19	16	19	22	17	22	26	19	24	29	22	28	34	
		Throw S	5	5.5	6	6.5	7	7.5	7.5	8.5	9.5	8.5	10	11.5	10	12	14	11.5	13.5	15.5	12	15	18	13.5	17	20	16	20	24	

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