



Quality Registers, Grilles and Diffusers Since 1947

Engineering Data

100 Series																																															
Size	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					0.1				
6x6	Eff.Area .160 ft ²	CFM	54					68					86					105					123					137					161					173					185				
		NC	<20					20					25					30					30					30					35					35					40				
		Throw	3	6	4	4.4	4.5	5	5.5	5.5	6	6.5	6	7	8	7	8	9.5	8	9.5	11	9	11	13	9.5	12	14.5	10.5	13	15.5	10.5	13	15.5														
8x8	Eff.Area .275 ft ²	CFM	89					118					147					182					205					241					268					294					330				
		NC	<20					20					25					30					30					30					35					35					40				
		Throw	4.5	5	6	5.5	6	6.5	7	7.5	8.5	7.5	9	10.5	9.5	11	12.5	10	12	14	10.5	14	16	12	15	18	13	16	19	13	16	19															
10x10	Eff.Area .421 ft ²	CFM	134					179					221					263					316					352					407					441					485				
		NC	<20					20					25					30					30					30					35					35					40				
		Throw	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	13	16	19	13.5	17	20	15	19	23	15	19	23															
12x12	Eff.Area .591 ft ²	CFM	189					257					321					380					444					499					572					625					675				
		NC	<20					25					30					30					30					35					35					40									
		Throw	5.5	6	6.5	8	9	10	9.5	10.5	11.5	10	12	14	12	14	16	13.5	16	18	14.5	18	22	16	20	24	17	21	25	17	21	25															
14x14	Eff.Area .800 ft ²	CFM	257					353					431					515					604					701					792					861					925				
		NC	<20					25					30					30					30					35					35					40									
		Throw	6.5	7	7.5	8.5	9.5	10.5	11	12	13	12.5	14.5	17	14.5	17	20	16	19	22	17	21	25	19	24	29	21	26	31	21	26	31															
16x16	Eff.Area 1.00 ft ²	CFM	326					439					541					663					756					866					971					1102					1220				
		NC	<20					25					30					30					30					35					35					40									
		Throw	7	8	9	9.5	10.5	11.5	11.5	13	14.5	13.5	16	18.5	16	19	22	18	21	24	18	23	28	22	27	32	24	30	36	24	30	36															
18x18	Eff.Area 1.31 ft ²	CFM	428					557					712					840					977					1118					1284					1423					1525				
		NC	20					25					30					30					35					35					40					40									
		Throw	8	9	10	10.5	11.5	12.5	13.5	15	17	15.5	18	21	18	21	24	20	24	28	22	27	32	24	30	36	26	33	40	26	33	40															
20x20	Eff.Area 1.55 ft ²	CFM	504					685					856					1027					1176					1344					1512					1712					2000				
		NC	20					25					30					30					35					35					40					40									
		Throw	9	10	11	11.5	13	14.5	15.5	17	19	16	19	22	20	24	27	23	27	31	24	30	35	26	33	40	29	36	43	29	36	43															
24x24	Eff.Area 2.21 ft ²	CFM	725					984					1208					1477					1723					1932					2174					2415					2800				
		NC	20					25					30					30					35					35					40					40									
		Throw	10.5	11.5	12.5	13.5	15	17	18	20	22	20	24	27	24	24	28	27	32	37	28	35	42	30	38	46	32	40	48	32	40	48															

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