

Drum Louver (Page 77)

6 INCH

Standard Finish: Satin Aluminum

Size (in x in)	Area Factors	Neck Area	Outlet* Velocity Velocity Pressure	800	1000	1200	1400	1600	1800	2100
		(Fl2)	Total Pressure	.039	.065	.100	.147	.194	.254	.330
9x6	.16	.375	CFM	128	160	192	224	256	288	336
			THROW	6-7-13	8-11-14	10-14-23	12-17-26	4-19-29	16-21-32	17-23-35
12x6	.21	.500	CFM	168	210	252	294	336	378	441
			THROW	8-10-18	10-15-24	12-17-27	14-18-30	15-20-33	17-22-37	18-23-41
18x6	.32	.750	CFM	256	320	384	448	512	576	672
			THROW	10-14-23	13-18-30	15-20-34	18-23-38	20-26-43	23-30-48	25-32-52
24x6	.41	1.000	CFM	328	410	492	574	656	738	861
			THROW	12-17-28	16-21-35	19-25-40	22-29-45	24-33-51	27-36-56	30-38-61
30x6	.52	1.250	CFM	416	520	624	728	832	936	1092
			THROW	15-20-33	18-24-39	22-28-44	25-32-50	27-37-56	30-40-61	33-43-66
36x6	.62	1.500	CFM	496	620	744	868	992	1116	1302
			THROW	17-23-37	20-26-43	24-30-47	28-35-54	31-40-60	34-44-65	37-46-72
48x6	.83	2.000	CFM	664	830	996	1162	1328	1494	1743
			THROW	20-26-41	23-29-47	26-35-55	32-41-62	36-45-66	40-49-72	44-53-78
60x6	1.05	2.500	CFM	840	1000	1260	1470	1680	1890	2205
			THROW	22-29-45	25-32-52	29-39-61	36-46-70	41-50-79	46-54-86	49-59-96
			NC LEVEL				<30	<35		<40

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Size (in x in)	Area Factors	Neck Area	Outlet* Velocity Velocity Pressure	800	1000	1200	1400	1600	1800	2100
		(Fl2)	Total Pressure	.039	.065	.100	.147	.194	.254	.330
20x10	.60	1.390	CFM	480	600	720	840	960	1080	1260
			THROW	19-23-33	23-27-40	26-31-46	29-35-53	32-39-58	35-42-64	38-46-69
25x10	.75	1.740	CFM	600	750	900	1050	1200	1350	1575
			THROW	21-24-38	25-29-46	28-34-53	32-38-60	35-42-66	38-46-73	41-50-79
30x10	.90	2.080	CFM	720	900	1080	1260	1440	1620	1890
			THROW	22-25-41	27-31-51	31-36-58	35-41-66	39-46-74	42-50-81	46-54-88
35x10	1.05	2.440	CFM	840	1050	1260	1470	1680	1890	2205
			THROW	22-27-43	27-33-53	32-39-62	37-45-71	41-50-81	45-54-89	49-59-98
40x10	1.20	2.780	CFM	960	1200	1440	1680	1920	2160	2520
			THROW	23-28-47	28-34-58	34-41-69	39-48-79	44-59-88	48-59-96	53-65-105
50x10	1.50	3.470	CFM	1200	1500	1800	2100	2400	2700	3150
			THROW	25-31-52	31-39-63	37-46-74	44-53-82	48-59-91	54-65-100	60-72-110
60x10	1.85	4.170	CFM	1480	1850	2220	2590	2960	3330	3885
			THROW	25-33-59	33-42-73	40-50-84	47-58-95	54-55-108	61-74-118	68-81-128
70x10	2.15	4.860	CFM	1720	2150	2580	3010	3440	3870	4515
			THROW	28-36-62	35-46-78	43-54-93	50-63-108	58-71-123	65-79-135	72-87-147
			NC LEVEL			<30	<35		<40	

*Outlet velocity and Ak based on 15° deflection

Throw data is based on Terminal Velocities of 150 fpm, 100 fpm, and 50 fpm respectively.

THROW-NC-TOTAL PRESSURE are based on 15° blade deflection. For 0° or 30° deflection the following correction factors should be applied to the table values.

NC SOUND DATA COLOR CODE

NC Level less than 30

NC Level less than 35

NC Level less than 40

Data based on 8db room attenuation

	Throw	Total Pressure	NC
0°	1.2	.795	-4
30°	0.8	1.43	+5

□ NC LESS THAN 30

□ NC LESS THAN 35

□ NC LESS THAN 40

□ NC LESS THAN 50

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12 INCH

Standard Finish: Satin Aluminum

Size (in x in)	Area Factors	Neck Area (Ft2)	Outlet* Velocity Velocity Pressure Total Pressure	800	1000	1200	1400	1600	1800	2100
				.007	.010	.015	.025	.030	.040	.052
				.039	.065	.100	.147	.194	.254	.330
20x12	.70	1.670	CFM THROW	560 10-20-35	700 18-25-43	840 23-31-51	980 26-35-58	1120 29-39-64	1260 33-44-71	1470 36-49-78
30x12	1.05	2.500	CFM THROW	840 17-25-42	1050 24-32-53	1260 28-38-63	1470 33-43-72	1680 38-49-81	1890 43-55-90	2205 48-60-99
40x12	1.40	3.330	CFM THROW	1120 20-28-49	1400 27-36-62	1680 32-43-74	1960 38-50-86	2240 44-57-97	2520 49-64-107	2940 55-61-120
50x12	1.75	4.160	CFM THROW	1400 22-29-56	1750 29-39-71	2100 37-48-85	2450 44-56-99	2800 51-64-117	3150 58-73-127	3675 64-81-138
60x12	2.15	5.000	CFM THROW	1720 25-33-61	2150 33-44-78	2580 42-53-94	3010 49-63-110	3440 58-74-125	3870 66-83-140	4515 75-92-155
70x12	2.50	5.830	CFM THROW	2000 28-37-68	2500 37-49-87	3000 47-61-107	3500 57-73-125	4000 67-86-142	4500 76-97-160	5250 86-110-180
			NC LEVEL			<30		<35	<40	

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15 INCH

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Size (in x in)	Area Factors	Neck Area (Ft2)	Outlet* Velocity Velocity Pressure Total Pressure	800	1000	1200	1400	1600	1800	2100
				.007	.010	.015	.025	.030	.040	.052
				.039	.065	.100	.147	.194	.254	.330
15x15	.75	1.560	CFM THROW	600 3-10-28	750 9-18-36	900 14-24-36	1050 21-27-50	1200 24-30-56	1350 25-32-58	1575 29-38-69
20x15	1.00	2.080	CFM THROW	800 9-17-35	1000 17-24-43	1200 22-28-52	1400 25-32-60	1600 29-37-68	1800 31-40-72	2100 35-44-80
25x15	1.25	2.600	CFM THROW	1000 13-21-38	1250 21-26-48	1500 25-32-58	1750 29-38-68	2000 34-43-77	2250 38-48-86	2625 42-54-95
30x15	1.55	3.120	CFM THROW	1240 14-23-42	1550 22-28-54	1860 27-35-65	2170 32-41-76	2480 37-47-86	2790 41-54-97	3255 46-59-107
40x15	2.05	4.170	CFM THROW	1640 19-25-48	2050 27-35-66	2460 34-43-79	2870 39-50-93	3280 45-58-105	3690 51-65-118	4305 57-72-130
50x15	2.55	5.210	CFM THROW	2040 24-30-61	2550 31-40-78	3060 38-48-96	3570 45-58-114	4080 52-66-130	4590 58-75-145	5355 65-83-163
60x15	3.0	6.250	CFM THROW	2400 27-34-68	3000 35-46-88	3600 43-58-106	4200 52-68-125	4800 60-79-143	5400 68-89-160	6300 76-100-176
70x15	3.5	7.300	CFM THROW	2800 29-38-72	3500 40-51-95	4200 50-64-118	4900 60-76-140	5600 71-89-160	6300 81-101-184	7350 90-112-195
			NC LEVEL			<30		<35	<40	

*Outlet velocity and Ak based on 15° deflection

Throw data is based on Terminal Velocities of 150 fpm, 100 fpm and 50 fpm respectively.

THROW-NC-TOTAL PRESSURE are based on 15° blade deflection. For 0° or 30° deflection the following correction factors should be applied to the table values.

NC LESS THAN 30
 NC LESS THAN 35
 NC LESS THAN 40
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Data based on 8db room attenuation

	Throw	Total Pressure	NC
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