



Series 2906 Roto Aire Drum Louver

2906 = 6 inches
Standard Finish: Satin Aluminum

Size (in x in)	Area Factors	Neck Area (Ft ²)	Outlet* Velocity	800	1000	1200	1400	1600	1800	2100
			Velocity Pressure	.007	.010	.015	.025	.030	.040	.052
			Total Pressure	.039	.065	.100	.147	.194	.254	.330
9 x 6	0.16	0.375	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
12 x 6	0.21	0.500	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
18 x 6	0.32	0.750	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
24 x 6	0.41	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
30 x 6	0.52	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
36 x 6	0.62	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
48 x 6	0.83	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
60 x 6	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

*Outlet velocity and Ak based on 15° deflection.

Series 2910 Roto Aire Drum Louver

2910 = 10 inches
Standard Finish: Satin Aluminum

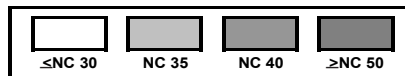
Size (in x in)	Area Factors	Neck Area (Ft ²)	Outlet* Velocity	800	1000	1200	1400	1600	1800	2100
			Velocity Pressure	.007	.010	.015	.025	.030	.040	.052
			Total Pressure	.039	.065	.100	.147	.194	.254	.330
20 x 10	0.60	1.390	CFM	480	600	720	840		1080	1260
			Throw	19-23-33	23-27-40	26-31-46	29-35-53		35-42-64	38-46-69
25 x 10	0.75	1.740	CFM	600	750	900	1050		1350	1575
			Throw	21-24-38	25-29-46	28-34-53	32-38-60		38-46-73	41-50-79
30 x 10	0.90	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
35 x 10	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
40 x 10	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
50 x 10	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
60 x 10	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
70 x 10	2.15	4.860	CFM	1720	2150	2580	3010	3440	3870	4515
			Throw	38-36-62	35-46-78	43-54-93	50-63-108	58-71-123	65-79-135	72-87-147

*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 and Total Pressure are based on 15° blade deflection. For 0° or 30° deflection, the following correction factors should be applied to the table values.

Deflection	Throw	Total Pressure	NC
0°	1.2	0.795	- 4
30°	0.8	1.430	+5



Series 2900 Roto Aire Drum Louver

2912 = 12 inches
Standard Finish: Satin Aluminum

Size (in x in)	Area Factors	Neck Area (Ft ²)	Outlet* Velocity	800	1000	1200	1400	1600	1800	2100
			Velocity Pressure	.007	.010	.015	.025	.030	.040	.052
			Total Pressure	.039	.065	.100	.147	.194	.254	.330
20 x 12	0.70	1.670	CFM	560	700	840	980	1120	1260	1470
			Throw	10-20-35	18-25-43	23-31-51	26-35-58	29-39-64	33-44-71	36-48-78
30 x 12	1.05	2.500	CFM	840	1050	1260	1470	1680	1890	2205
			Throw	17-25-42	24-32-53	28-38-63	33-43-72	38-49-81	43-55-90	48-60-99
40 x 12	1.40	3.330	CFM	1120	1400	1680	1960	2240	2520	2940
			Throw	20-28-49	27-36-62	32-43-74	38-50-86	44-57-97	49-64-107	55-61-120
50 x 12	1.75	4.160	CFM	1400	1750	2100	2450	2800	3150	3675
			Throw	22-29-56	29-39-71	37-48-85	44-56-99	51-64-117	58-73-127	64-81-138
60 x 12	2.15	5.000	CFM	1720	2150	2580	3010	3440	3870	4515
			Throw	25-33-61	33-44-78	42-53-94	49-63-110	58-74-125	66-83-140	75-92-155
70 x 12	2.50	5.830	CFM	2000	2500	3000	3500	4000	4500	5250
			Throw	28-37-68	37-49-87	47-61-107	57-73-125	67-86-142	76-97-160	86-110-180

*Outlet velocity and Ak based on 15° deflection.

Series 2900 Roto Aire Drum Louver

2915 = 15 inches
Standard Finish: Satin Aluminum

Size (in x in)	Area Factors	Neck Area (Ft ²)	Outlet* Velocity	800	1000	1200	1400	1600	1800	2100
			Velocity Pressure	.007	.010	.015	.025	.030	.040	.052
			Total Pressure	.039	.065	.100	.147	.194	.254	.330
15 x 15	0.75	1.560	CFM	600	750	900	1050	1200	1350	1575
			Throw	3-10-28	9-18-36	14-24-36	21-27-50	24-30-56	25-32-58	29-38-69
20 x 15	1.00	2.080	CFM	800	1000	1200	1400	1600	1800	2100
			Throw	9-17-35	17-24-43	22-28-52	25-32-60	29-37-68	31-40-72	35-44-80
25 x 15	1.25	2.600	CFM	1000	1250	1500	1750	2000	2250	2625
			Throw	13-21-38	21-26-48	25-32-58	29-38-68	34-43-77	38-48-86	42-54-95
30 x 15	1.55	3.120	CFM	1240	1550	1860	2170	2480	2790	3255
			Throw	14-23-42	22-28-54	27-35-65	32-41-76	37-47-86	41-54-97	46-59-107
40 x 15	2.05	4.170	CFM	1640	2050	2460	2870	3280	3690	4305
			Throw	19-25-48	27-35-66	34-43-79	39-50-93	45-58-105	51-65-118	57-72-130
50 x 15	2.55	5.210	CFM	2040	2550	3060	3570	4080	4590	5355
			Throw	24-30-61	31-40-78	38-48-96	45-58-114	52-66-130	58-75-145	65-83-163
60 x 15	3.00	6.250	CFM	2400	3000	3600	4200	4800	5400	6300
			Throw	27-34-68	35-46-88	43-58-106	52-68-125	60-79-143	68-89-160	76-100-176
70 x 15	3.50	7.300	CFM	2800	3500	4200	4900	5600	6300	7350
			Throw	29-38-72	40-51-95	50-64-118	60-76-140	71-89-160	81-101-184	90-112-195

*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 and Total Pressure are based on 15° blade deflection. For 0° or 30° deflection, the following correction factors should be applied to the table values.

Deflection	Throw	Total Pressure	NC
0°	1.2	0.795	-4
30°	0.8	1.430	+5

