

Model 1302

1 3/8" (34.9 mm) Thinline High Performance Air Conditioning Louver

Material:

Material:	6063-T6 Alloy
Nominal Thickness (heads, sills, jambs, & mullions):	0.040" (1.02 mm)
Nominal Blade Thickness:	0.050" (1.27 mm)
Furnished With:	Birdscreen: 1/2" (12.7mm) intercrimp aluminum mesh, 0.063" (1.60 mm) diameter wire removeable aluminum bird screen in an aluminum frame
Additional Options (at additional cost):	Insect screen (in lieu of bird screen), Continuous clip angles for attachment Sheet blank off, Insulated blank off Sill pans, Flange frames Integrated glazing frames

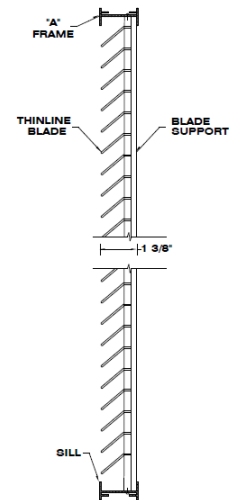


Test Summary:

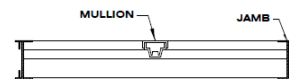
For a 4 Foot by 4 Foot Unit.

Tested with mill finish and no screen

- Free area = 9.29 ft² (0.863 m²)
- Percent free area = 58.1%
- Maximum recommended air intake velocity = 700 FPM (3.56 m/s)
- Intake pressure drop at 700 FPM free area velocity = 0.06 in H₂O (14.9 Pa)



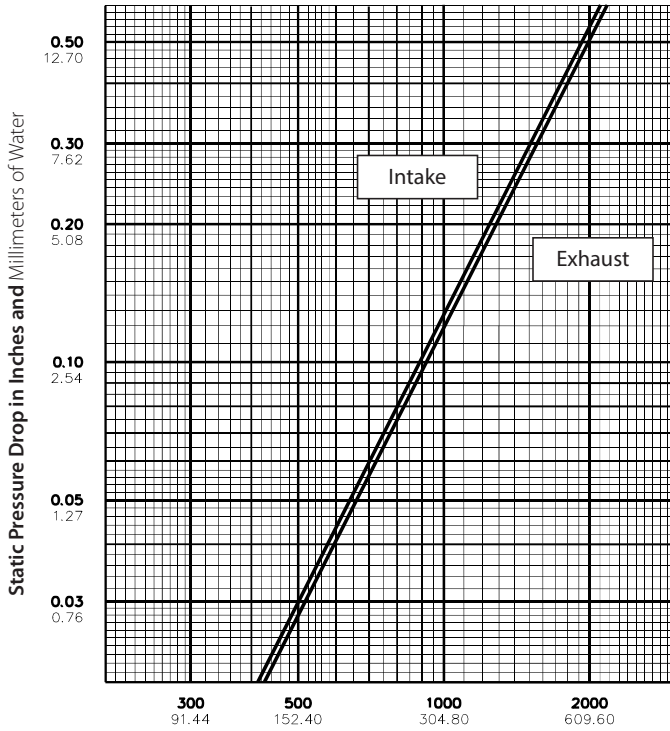
SECTION VIEW



PLAN VIEW

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Air Velocity in Feet and Meters per Minute Through Free Area

Data corrected to standard air density.

48" x 48" (121.92cm x 121.92cm) louver tested to figure 5.5.

Free Area Table (Free area in sq. feet and sq. meters)

For additional sizes, please visit:

<https://www.c-sgroup.com/louvers-airflow-tool>

		Width in Inches and Meters									
		12	18	24	30	36	42	48	54	60	
Height in Inches and Meters		0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	
	12	0.42	0.69	0.96	1.22	1.49	1.76	2.03	2.30	2.57	
0.30	0.04	0.06	0.09	0.11	0.14	0.16	0.19	0.21	0.24		
18	0.67	1.10	1.53	1.95	2.38	2.81	3.24	3.67	4.10		
0.46	0.06	0.10	0.14	0.18	0.22	0.26	0.30	0.34	0.38		
24	0.92	1.51	2.10	2.68	3.27	3.86	4.45	5.04	5.63		
0.61	0.09	0.14	0.19	0.25	0.30	0.36	0.41	0.47	0.52		
30	1.17	1.92	2.67	3.41	4.16	4.91	5.66	6.41	7.16		
0.76	0.11	0.18	0.25	0.32	0.39	0.46	0.53	0.60	0.66		
36	1.42	2.33	3.24	4.14	5.05	5.96	6.87	7.78	8.69		
0.91	0.13	0.22	0.30	0.39	0.47	0.55	0.64	0.72	0.81		
42	1.67	2.74	3.81	4.87	5.94	7.01	8.08	9.15	10.22		
1.07	0.16	0.25	0.35	0.45	0.55	0.65	0.75	0.85	0.95		
48	1.92	3.15	4.38	5.60	6.83	8.06	9.29	10.52	11.75		
1.22	0.18	0.29	0.41	0.52	0.63	0.75	0.86	0.98	1.09		
54	2.17	3.56	4.95	6.33	7.72	9.11	10.50	11.89	13.28		
1.37	0.20	0.33	0.46	0.59	0.72	0.85	0.98	1.10	1.23		
60	2.42	3.97	5.52	7.06	8.61	10.16	11.71	13.26	14.81		
1.52	0.22	0.37	0.51	0.66	0.80	0.94	1.09	1.23	1.38		
66	2.67	4.38	6.09	7.79	9.50	11.21	12.92	14.63	16.34		
1.68	0.25	0.41	0.57	0.72	0.88	1.04	1.20	1.36	1.52		
72	2.92	4.79	6.66	8.52	10.39	12.26	14.13	16.00	17.87		
1.83	0.27	0.44	0.62	0.79	0.97	1.14	1.31	1.49	1.66		
78	3.17	5.20	7.23	9.25	11.28	13.31	15.34	17.37	19.40		
1.98	0.29	0.48	0.67	0.86	1.05	1.24	1.43	1.61	1.80		
84	3.42	5.61	7.80	9.98	12.17	14.36	16.55	18.74	20.93		
2.13	0.32	0.52	0.72	0.93	1.13	1.33	1.54	1.74	1.94		
90	3.67	6.02	8.37	10.71	13.06	15.41	17.76	20.11	22.46		
2.29	0.34	0.56	0.78	1.00	1.21	1.43	1.65	1.87	2.09		
96	3.92	6.43	8.94	11.44	13.95	16.46	18.97	21.48	23.99		
2.44	0.36	0.60	0.83	1.06	1.30	1.53	1.76	2.00	2.23		
102	4.17	6.84	9.51	12.17	14.84	17.51	20.18	22.85	25.52		
2.59	0.39	0.64	0.88	1.13	1.38	1.63	1.87	2.12	2.37		
108	4.42	7.25	10.08	12.90	15.73	18.56	21.39	24.22	27.05		
2.74	0.41	0.67	0.94	1.20	1.46	1.72	1.99	2.25	2.51		
114	4.67	7.66	10.65	13.63	16.62	19.61	22.60	25.59	28.58		
2.90	0.43	0.71	0.99	1.27	1.54	1.82	2.10	2.38	2.65		
120	4.92	8.07	11.22	14.36	17.51	20.66	23.81	26.96	30.11		
3.05	0.46	0.75	1.04	1.33	1.63	1.92	2.21	2.50	2.80		
126	5.17	8.48	11.79	15.09	18.40	21.71	25.02	28.33	31.64		
3.20	0.48	0.79	1.09	1.40	1.71	2.02	2.32	2.63	2.94		
132	5.42	8.89	12.36	15.82	19.29	22.76	26.23	29.70	33.17		
3.35	0.50	0.83	1.15	1.47	1.79	2.11	2.44	2.76	3.08		
138	5.67	9.30	12.93	16.55	20.18	23.81	27.44	31.07	34.70		
3.51	0.53	0.86	1.20	1.54	1.88	2.21	2.55	2.89	3.22		
144	5.92	9.71	13.50	17.28	21.07	24.86	28.65	32.44	36.23		
3.66	0.55	0.90	1.25	1.61	1.96	2.31	2.66	3.01	3.37		
150	6.17	10.12	14.07	18.01	21.96	25.91	29.86	33.81	37.76		
3.81	0.57	0.94	1.31	1.67	2.04	2.41	2.77	3.14	3.51		
156	6.42	10.53	14.64	18.74	22.85	26.96	31.07	35.18	39.29		
3.96	0.60	0.98	1.36	1.74	2.12	2.50	2.89	3.27	3.65		
162	6.67	10.94	15.21	19.47	23.74	28.01	32.28	36.55	40.82		
4.11	0.62	1.02	1.41	1.81	2.21	2.60	3.00	3.40	3.79		
168	6.92	11.35	15.78	20.20	24.63	29.06	33.49	37.92	42.35		
4.27	0.64	1.05	1.47	1.88	2.29	2.70	3.11	3.52	3.93		
174	7.17	11.76	16.35	20.93	25.52	30.11	34.70	39.29	43.88		
4.42	0.67	1.09	1.52	1.94	2.37	2.80	3.22	3.65	4.08		
180	7.42	12.17	16.92	21.66	26.41	31.16	35.91	40.66	45.41		
4.57	0.69	1.13	1.57	2.01	2.45	2.89	3.34	3.78	4.22		
186	7.67	12.58	17.49	22.39	27.30	32.21	37.12	42.03	46.94		
4.72	0.71	1.17	1.62	2.08	2.54	2.99	3.45	3.90	4.36		
192	7.92	12.99	18.06	23.12	28.19	33.26	38.33	43.40	48.47		
4.88	0.74	1.21	1.68	2.15	2.62	3.09	3.56	4.03	4.50		

Upper Numerals English Units/Lower Numerals Metric Units