

- 1" (25.4 mm) Model 0321 L Frame
- 1" (25.4 mm) Model 0322 A Frame
- 1 3/8" (34.9 mm) Model 1321 L Frame
- 1 3/8" (34.9 mm) Model 1322 A Frame
- 2" (50.8 mm) Model 2321 L Frame
- 2" (50.8 mm) Model 2322 A Frame
- 1 3/8" (34.9 mm) Model 1281 L Frame
- 1 3/8" (34.9 mm) Model 1282 A Frame
- 2" (50.8 mm) Model 2281 L Frame
- 2" (50.8 mm) Model 2282 A Frame
- 2" (50.8 mm) Model 2251 L Frame
- 2" (50.8 mm) Model 2252 A Frame

**SUGGESTED SPECIFICATIONS:**

**GENERAL:** Furnish and install where indicated on the drawings C/S 1", 1 3/8", OR 2" (25.4mm, 34.9mm OR 50.8mm) FIXED THINLINE A OR L FRAME LOUVER MODEL \_\_\_\_\_ as manufactured by Construction Specialties, Inc. Cranford, New Jersey and Mississauga, Ontario. Complete details shall be submitted to the architect for approval prior to fabrication. Supplier must be a member of AMCA or BSRIA

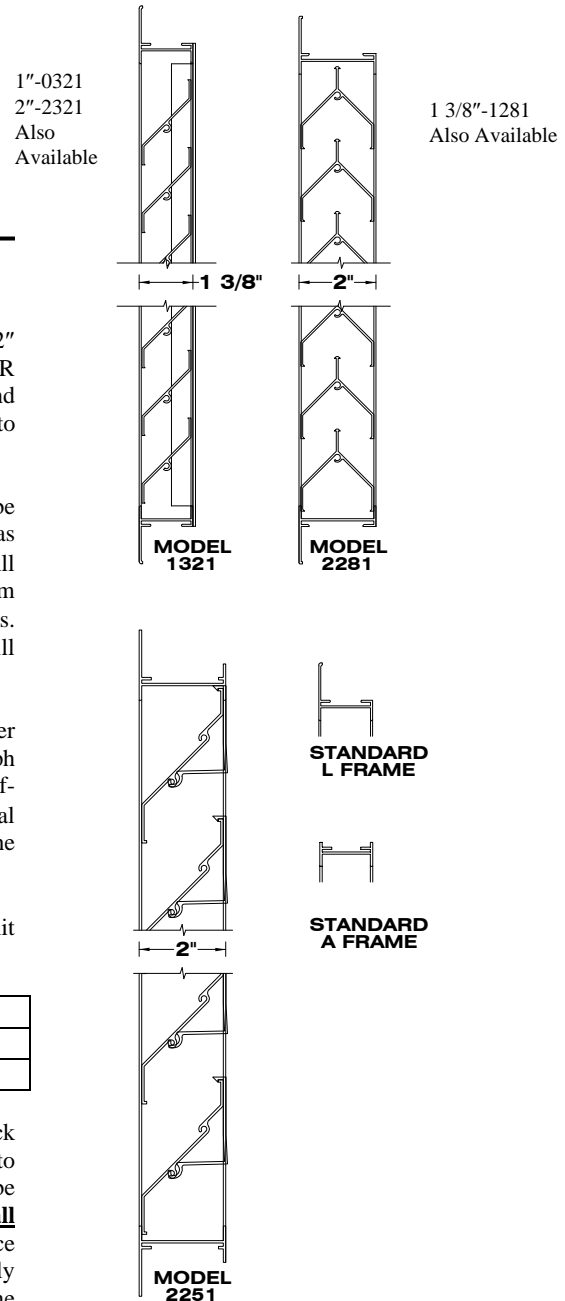
**MATERIAL:** Frames and blades shall be 6063-T6 aluminum alloy extrusions. All frames to be neatly mitered at corners and reinforced with corner brackets. Material thickness shall be as follows: Heads, sills, jambs and mullions: 0.064" (1.63 mm) Fixed blades: 0.064" (1.63 mm) All fasteners shall be aluminum or stainless steel. All louvers to be furnished with 18 x 14 aluminum mesh .123" (.312 mm) diameter wire insect screens secured within rolled aluminum frames. Frames to have mitered corners and corner locks. Screens and screen frames to be standard mill finish.

**STRUCTURAL DESIGN:** Structural supports shall be designed and furnished by the louver manufacturer to carry a wind load of not less than \_\_\_\_\_ psf (Pascals). Note: If this paragraph is omitted or if the design wind load is not specified, the louvers will be manufactured in self-supporting units up to a maximum of 5' (1524 mm) wide by 8' (2438 mm) high. Any additional structural supports required to adequately secure these units within the opening shall be the responsibility of others.)

**TEST DATA:** The louver manufacturer shall submit test data on a 4' x 4' (1.22 m x 1.22 m) unit showing that the louver conforms to the following:

Free area	= _____ ft <sup>2</sup> (_____ m <sup>2</sup> )
Intake Pressure drop at 700 fpm (213m/min) free area velocity	= _____ in. (_____ mm) H <sub>2</sub> O
Exhaust pressure drop at 1000 fpm (305 m/min) free area velocity	= _____ in. (_____ mm) H <sub>2</sub> O

**FINISH:** All louvers shall be finished with C/S Powder Coat, a coating to be 1.5 to 3 mil. thick full strength **100% resin Fluoropolymer coating. Finish to allow zero VOCs** to be emitted into facility of application. Finish to adhere to a 4H Hardness rating. All finishing procedures shall be one continuous operation in the plant of the manufacturer. **The coating shall meet or exceed all requirements of AAMA specification 2605-5** "Voluntary Specification for High Performance Organic Coatings on Architectural extrusions and Panels." The louver manufacturer shall supply an industry standard **20-year limited warranty against failure or excessive fading** of the Fluoropolymer Powder Coat finish. This limited warranty shall begin on the date of material shipment.



## PERFORMANCE DATA

### MODELS 0321-0322

#### FREE AREAS IN SQ. FEET AND SQ. METERS

##### WIDTH IN INCHES AND METERS

	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	0.23	0.35	0.47	0.59	0.72	0.84	0.96	1.08	1.21
0.30	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.10	0.11
18	0.37	0.57	0.76	0.96	1.16	1.36	1.56	1.76	1.96
0.46	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.16	0.18
24	0.51	0.78	1.06	1.34	1.61	1.89	2.16	2.44	2.72
0.61	0.05	0.07	0.10	0.12	0.15	0.18	0.20	0.23	0.25
30	0.63	0.97	1.32	1.66	2.01	2.35	2.69	3.04	3.38
0.76	0.06	0.09	0.12	0.15	0.19	0.22	0.25	0.28	0.31
36	0.76	1.17	1.59	2.00	2.42	2.83	3.25	3.66	4.07
0.91	0.07	0.11	0.15	0.19	0.22	0.26	0.30	0.34	0.38
42	0.90	1.39	1.88	2.37	2.86	3.36	3.85	4.34	4.83
1.07	0.08	0.13	0.17	0.22	0.27	0.31	0.36	0.40	0.45
48	1.04	1.61	2.18	2.74	3.31	3.88	4.45	5.02	5.58
1.22	0.10	0.15	0.20	0.25	0.31	0.36	0.41	0.47	0.52
54	1.18	1.83	2.47	3.12	3.76	4.40	5.05	5.69	6.34
1.37	0.11	0.17	0.23	0.29	0.35	0.41	0.47	0.53	0.59
60	1.31	2.02	2.73	3.44	4.15	4.87	5.58	6.29	7.00
1.52	0.12	0.19	0.25	0.32	0.39	0.45	0.52	0.58	0.65

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

HEIGHT IN INCHES AND METERS

## PERFORMANCE DATA

### MODELS 1281-1282

#### FREE AREAS IN SQ. FEET AND SQ. METERS

##### WIDTH IN INCHES AND METERS

	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	0.34	0.53	0.72	0.91	1.11	1.30	1.49	1.68	1.87
0.30	0.03	0.05	0.07	0.08	0.10	0.12	0.14	0.16	0.17
18	0.51	0.80	1.09	1.37	1.66	1.94	2.23	2.52	2.80
0.46	0.05	0.07	0.10	0.13	0.15	0.18	0.21	0.23	0.26
24	0.68	1.07	1.45	1.83	2.21	2.59	2.97	3.36	3.74
0.61	0.06	0.10	0.13	0.17	0.21	0.24	0.28	0.31	0.35
30	0.88	1.37	1.86	2.36	2.85	3.34	3.83	4.32	4.81
0.76	0.08	0.13	0.17	0.22	0.26	0.31	0.36	0.40	0.45
36	1.07	1.66	2.26	2.86	3.45	4.05	4.65	5.24	5.84
0.91	0.10	0.15	0.21	0.27	0.32	0.38	0.43	0.49	0.54
42	1.24	1.93	2.62	3.31	4.01	4.70	5.39	6.08	6.77
1.07	0.12	0.18	0.24	0.31	0.37	0.44	0.50	0.57	0.63
48	1.44	2.25	3.06	3.86	4.67	5.47	6.28	7.08	7.88
1.22	0.13	0.21	0.28	0.36	0.43	0.51	0.58	0.66	0.73
54	1.62	2.53	3.44	4.34	5.25	6.16	7.06	7.97	8.88
1.37	0.15	0.24	0.32	0.40	0.49	0.57	0.66	0.74	0.82
60	1.84	2.86	3.89	4.91	5.93	6.95	7.97	8.99	10.01
1.52	0.17	0.27	0.36	0.46	0.55	0.65	0.74	0.84	0.93

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

HEIGHT IN INCHES AND METERS

## PERFORMANCE DATA

### MODELS 1321-1322

#### FREE AREAS IN SQ. FEET AND SQ. METERS

##### WIDTH IN INCHES AND METERS

	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	0.24	0.37	0.50	0.63	0.77	0.90	1.03	1.16	1.30
0.30	0.02	0.03	0.05	0.06	0.07	0.08	0.10	0.11	0.12
18	0.41	0.64	0.87	1.11	1.34	1.57	1.80	2.03	2.26
0.46	0.04	0.06	0.08	0.10	0.12	0.15	0.17	0.19	0.21
24	0.55	0.86	1.17	1.47	1.78	2.09	2.40	2.70	3.01
0.61	0.05	0.08	0.11	0.14	0.17	0.19	0.22	0.25	0.28
30	0.73	1.14	1.55	1.96	2.37	2.70	3.19	3.60	4.01
0.76	0.07	0.11	0.14	0.18	0.22	0.26	0.30	0.33	0.37
36	0.87	1.36	1.85	2.33	2.82	3.31	3.79	4.28	4.77
0.91	0.08	0.13	0.17	0.22	0.26	0.31	0.35	0.40	0.44
42	1.04	1.61	2.19	2.77	3.35	3.93	4.51	5.08	5.66
1.07	0.10	0.15	0.20	0.26	0.31	0.36	0.42	0.47	0.53
48	1.19	1.86	2.53	3.19	3.86	4.52	5.19	5.86	6.52
1.22	0.11	0.17	0.23	0.30	0.36	0.42	0.48	0.54	0.61
54	1.34	2.09	2.83	3.58	4.33	5.08	5.82	6.57	7.32
1.37	0.12	0.19	0.26	0.33	0.40	0.47	0.54	0.61	0.68
60	1.52	2.36	3.21	4.05	4.90	5.74	6.59	7.43	8.28
1.52	0.14	0.22	0.30	0.38	0.46	0.53	0.61	0.69	0.77

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

HEIGHT IN INCHES AND METERS

## PERFORMANCE DATA

### MODELS 2251-2252

#### FREE AREAS IN SQ. FEET AND SQ. METERS

##### WIDTH IN INCHES AND METERS

	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	0.22	0.34	0.47	0.60	0.72	0.85	0.97	1.10	1.23
0.30	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.10	0.11
18	0.39	0.63	0.85	1.07	1.30	1.53	1.76	1.98	2.21
0.46	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.21
24	0.56	0.89	1.22	1.55	1.88	2.21	2.54	2.87	3.20
0.61	0.05	0.08	0.11	0.14	0.17	0.21	0.24	0.27	0.30
30	0.74	1.17	1.60	2.03	2.46	2.89	3.32	3.75	4.18
0.76	0.07	0.11	0.15	0.19	0.23	0.27	0.31	0.35	0.39
36	0.91	1.44	1.97	2.51	3.04	3.57	4.10	4.63	5.17
0.91	0.08	0.13	0.18	0.23	0.28	0.33	0.38	0.43	0.48
42	1.08	1.72	2.35	2.98	3.62	4.25	4.88	5.52	6.15
1.07	0.10	0.16	0.22	0.28	0.34	0.39	0.45	0.51	0.57
48	1.26	1.99	2.73	3.46	4.20	4.93	5.67	6.40	7.14
1.22	0.12	0.18	0.25	0.32	0.39	0.46	0.53	0.59	0.66
54	1.43	2.27	3.10	3.94	4.78	5.61	6.45	7.28	8.12
1.37	0.13	0.21	0.29	0.37	0.44	0.52	0.60	0.68	0.75
60	1.60	2.54	3.48	4.42	5.35	6.29	7.23	8.17	9.11
1.52	0.15	0.24	0.32	0.41	0.50	0.58	0.67	0.76	0.85

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

HEIGHT IN INCHES AND METERS

## PERFORMANCE DATA

### MODELS 2321-2322

#### FREE AREAS IN SQ. FEET AND SQ. METERS

##### WIDTH IN INCHES AND METERS

	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	0.23	0.37	0.51	0.65	0.78	0.92	1.06	1.19	1.33
0.30	0.02	0.03	0.05	0.06	0.07	0.09	0.10	0.11	0.12
18	0.45	0.72	0.99	1.25	1.52	1.79	2.05	2.32	2.58
0.46	0.04	0.07	0.09	0.12	0.14	0.17	0.19	0.22	0.24
24	0.61	0.97	1.33	1.68	2.04	2.40	2.76	3.11	3.47
0.61	0.06	0.09	0.12	0.16	0.19	0.22	0.26	0.29	0.32
30	0.82	1.30	1.77	2.25	2.73	3.21	3.69	4.16	4.64
0.76	0.08	0.12	0.16	0.21	0.25	0.30	0.34	0.39	0.43
36	1.00	1.59	2.17	2.76	3.35	3.93	4.52	5.11	5.69
0.91	0.09	0.15	0.20	0.26	0.31	0.37	0.42	0.47	0.53
42	1.17	1.86	2.54	3.23	3.92	4.60	5.29	5.97	6.66
1.07	0.11	0.17	0.24	0.30	0.36	0.43	0.49	0.56	0.62
48	1.39	2.21	3.02	3.84	4.65	5.47	6.28	7.10	7.91
1.22	0.13	0.21	0.28	0.36	0.43	0.51	0.58	0.66	0.74
54	1.55	2.46	3.36	4.27	5.17	6.08	6.99	7.89	8.80
1.37	0.14	0.23	0.31	0.40	0.48	0.56	0.65	0.73	0.82
60	1.75	2.78	3.81	4.84	5.86	6.89	7.92	8.94	9.97
1.52	0.16	0.26	0.35	0.45	0.54	0.64	0.74	0.83	0.93

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

HEIGHT IN INCHES AND METERS

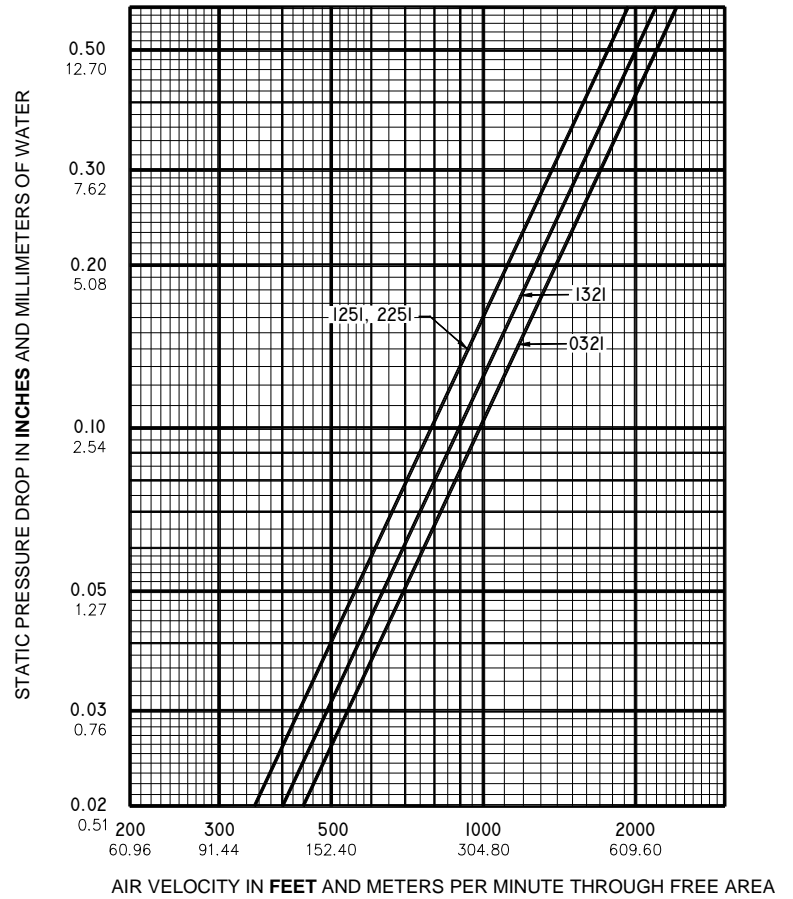
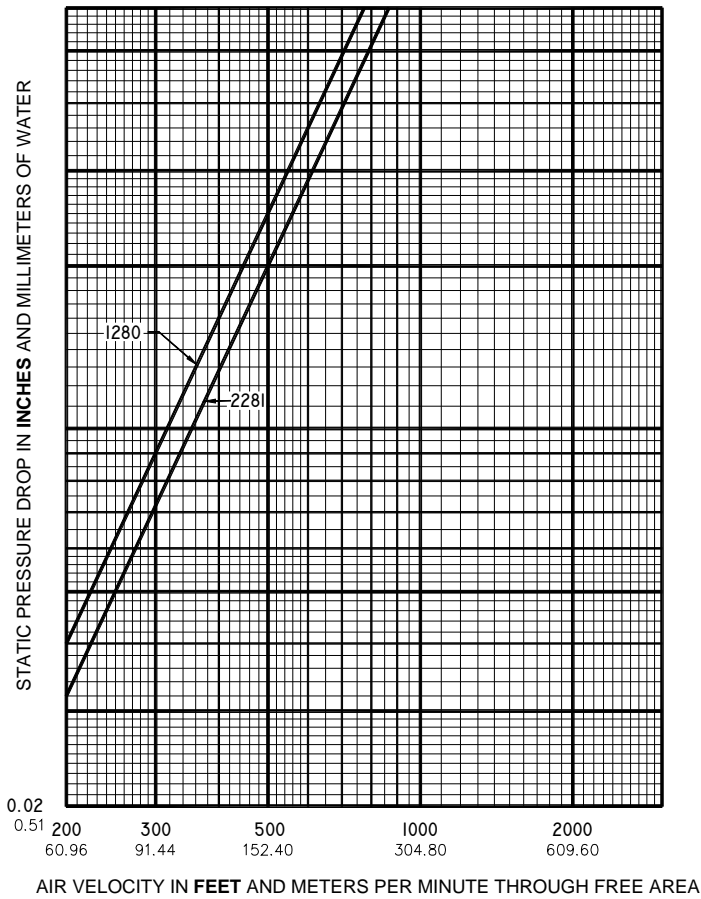
## PERFORMANCE DATA

### MODELS 2281-2282

#### FREE AREAS IN SQ. FEET AND SQ. METERS

##### WIDTH IN INCHES AND METERS

	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	0.29	0.46	0.63	0.80	0.97	1.13	1.30	1.47	1.64
0.30	0.03	0.04	0.06	0.07	0.09	0.11	0.12	0.14	0.15
18	0.46	0.73	1.00	1.27	1.54	1.81	2.09	2.36	2.63
0.46	0.04	0.07	0.09	0.12	0.14	0.17	0.19	0.22	0.24
24	0.64	1.01	1.38	1.75	2.12	2.49	2.87	3.24	3.61
0.61	0.06	0.09	0.13	0.16	0.20	0.23	0.27	0.30	0.34
30	0.87	1.37	1.88	2.39	2.90	3.40	3.91	4.42	4.92
0.76	0.08	0.13	0.17	0.22	0.27	0.32	0.36	0.41	0.46
36	1.04	1.65	2.26	2.87	3.47	4.08	4.69	5.30	5.91
0.91	0.10	0.15	0.21	0.27	0.32	0.38	0.44	0.49	0.55
42	1.21	1.92	2.63	3.34	4.05	4.76	5.47	6.18	6.89
1.07	0.11	0.18	0.24	0.31	0.38	0.44	0.51	0.57	0.64
48	1.39	2.20	3.01	3.82	4.63	5.44	6.26	7.07	7.88
1.22	0.13	0.20	0.28	0.35	0.43				



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