

Construction Specialties Middle East LLC certifies that the model VAC-304 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance.



TEST DATA:

For a 4 Foot by 4 Foot Unit.

Tested with mill finish and no screen.

- Free area = 9.35 ft² (0.87 m²)
- Percent free area = 59.2%
- Airflow Classification = Class 1

SUGGESTED SPECIFICATIONS:

GENERAL: Furnish and install where indicated on the drawings C/S 6" (152.4 mm) VERT-A-CADE ® MODEL VAC-304 as manufactured by Construction Specialties Middle East LLC Dubai, UAE. Complete details shall be submitted to the architect for approval prior to fabrication.

MATERIAL: C/S ALUMINUM SCREEN, VERT-A-CADE 304--as manufactured by CONSTRUCTION SPECIALTIES, INC. Blades to be fabricated from extruded aluminum sections in 6063-T52 alloy, minimum .081" thick and spaced approximately 4 3/4" on center. Blades to be nominal 6" deep, supported and lined up with heavy gauge extruded aluminum blade braces positively interlocked to each blade and mechanically secured to extruded aluminum supports. Aluminum supports fixed directly to horizontal or vertical steel supports (not by C/S) or to spandrel beams with extruded aluminum clip angles. All fasteners to be stainless steel or aluminum. Material shipped knocked down for field assembly by the installer. Aluminum supports and blade braces to be in mill finish.

FINISH: Louvers shall be finished in Kynar 500®/Hylar 5000 ®, a minimum 1 mil (0.025 mm) thick full strength 70% resin fluoropolymer coating. The coating shall meet or exceed all requirements of AAMA spec 2605 "Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels." The Louver manufacturer shall supply an industry standard 5-year limited warranty against failure of the Kynar 500®/Hylar 5000® finish. This limited warranty shall begin on the date of material shipment (Note: Kynar 500 ®/Hylar 5000® finish with an extended 20 year limited warranty is available as an option at extra cost.) The finish will be applied to the exterior elements only.

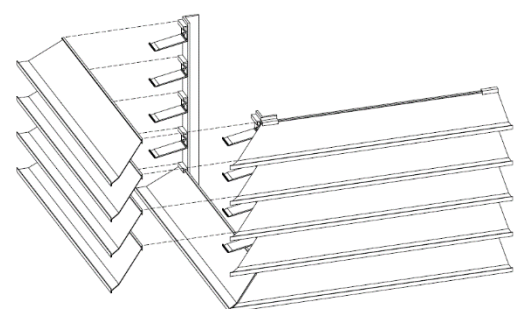
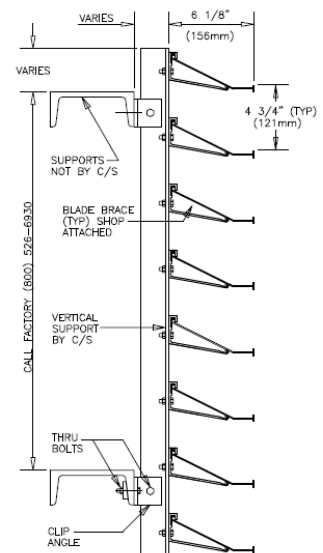
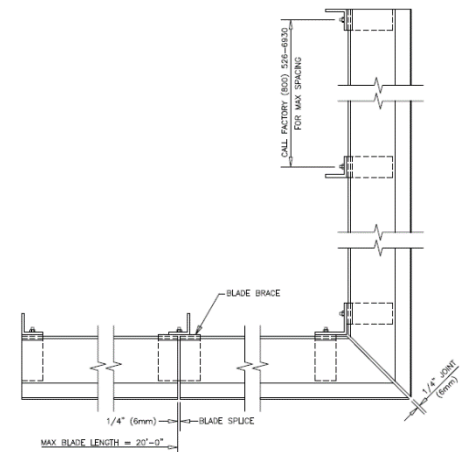
General: Comply with NAAMM "Metal Finishes Manual" for finish designations and application recommendations, except as otherwise indicated. Apply finishes in factory after products are assembled. Protect finishes on exposed surfaces prior to shipment. Remove scratches and blemishes from exposed surfaces, which will be visible after completing finishing process. Provide Color as indicated or, if not otherwise indicated, as selected by architect from standard Kynar 500 colors.

B. Fluorocarbon Coating: Inhibitive thermo-cured primer, 0.2 mil minimum dry film thickness, and thermo-cured fluorocarbon coating containing "Kynar 500" resin, 1.0 mil minimum dry film thickness.

Discharge Coefficient

Intake Cd = 0.98 (Class 1)

AMCA certifies the coefficient class only



FREE AREA TABLE

PERFORMANCE DATA MODEL VAC-304

FREE AREAS IN SQ. FEET AND SQ. METERS

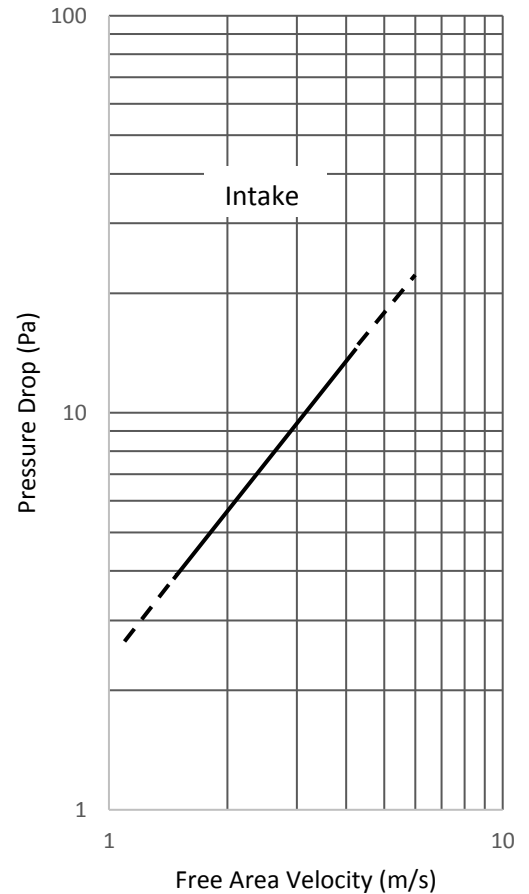
Height in Inches and Meters

	18	24	30	36	42	48	54	60	66	72	78	84	90	96
	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44
18	1.18	1.65	2.13	2.60	3.07	3.52	3.90	4.37	4.84	5.32	5.79	6.26	6.73	7.21
0.46	0.11	0.15	0.20	0.24	0.29	0.33	0.36	0.41	0.45	0.49	0.54	0.58	0.63	0.67
24	1.53	2.14	2.75	3.36	3.97	4.55	5.04	5.65	6.26	6.87	7.48	8.09	8.70	9.31
0.61	0.14	0.20	0.26	0.31	0.37	0.42	0.47	0.52	0.58	0.64	0.69	0.75	0.81	0.86
30	1.98	2.77	3.56	4.35	5.14	5.89	6.52	7.32	8.11	8.90	9.69	10.48	11.27	12.06
0.76	0.18	0.26	0.33	0.40	0.48	0.55	0.61	0.68	0.75	0.83	0.90	0.97	1.05	1.12
36	2.37	3.31	4.26	5.21	6.15	7.06	7.81	8.76	9.70	10.65	11.60	12.54	13.49	14.44
0.91	0.22	0.31	0.40	0.48	0.57	0.66	0.73	0.81	0.90	0.99	1.08	1.17	1.25	1.34
42	2.82	3.95	5.07	6.20	7.33	8.40	9.30	10.43	11.55	12.68	13.81	14.94	16.06	17.19
1.07	0.26	0.37	0.47	0.58	0.68	0.78	0.86	0.97	1.07	1.18	1.28	1.39	1.49	1.60
48	3.14	4.39	5.64	6.90	8.15	9.34	10.34	11.60	12.85	14.10	15.36	16.61	17.86	19.12
1.22	0.29	0.41	0.52	0.64	0.76	0.87	0.96	1.08	1.19	1.31	1.43	1.54	1.66	1.78
54	3.61	5.05	6.49	7.93	9.37	10.75	11.90	13.34	14.78	16.23	17.67	19.11	20.55	21.99
1.37	0.34	0.47	0.60	0.74	0.87	1.00	1.11	1.24	1.37	1.51	1.64	1.78	1.91	2.04
60	4.01	5.61	7.21	8.81	10.41	11.94	13.21	14.81	16.41	18.02	19.62	21.22	22.82	24.42
1.52	0.37	0.52	0.67	0.82	0.97	1.11	1.23	1.38	1.52	1.67	1.82	1.97	2.12	2.27
66	4.46	6.24	8.03	9.81	11.59	13.29	14.71	16.50	18.28	20.06	21.85	23.63	25.41	27.20
1.68	0.41	0.58	0.75	0.91	1.08	1.23	1.37	1.53	1.70	1.86	2.03	2.20	2.36	2.53
72	4.81	6.73	8.65	10.57	12.49	14.32	15.85	17.77	19.69	21.62	23.54	25.46	27.38	29.30
1.83	0.45	0.62	0.80	0.98	1.16	1.33	1.47	1.65	1.83	2.01	2.19	2.36	2.54	2.72
78	5.20	7.27	9.35	11.43	13.50	15.48	17.14	19.21	21.29	23.37	25.45	27.52	29.60	31.68
1.98	0.48	0.68	0.87	1.06	1.25	1.44	1.59	1.78	1.98	2.17	2.36	2.56	2.75	2.94
84	5.65	7.90	10.16	12.42	14.67	16.83	18.63	20.88	23.14	25.40	27.66	29.91	32.17	34.43
2.13	0.52	0.73	0.94	1.15	1.36	1.56	1.73	1.94	2.15	2.36	2.57	2.78	2.99	3.20
90	5.99	8.39	10.78	13.18	15.57	17.85	19.76	22.16	24.55	26.95	29.34	31.74	34.14	36.53
2.29	0.56	0.78	1.00	1.22	1.45	1.66	1.84	2.06	2.28	2.50	2.73	2.95	3.17	3.39
96	6.45	9.02	11.60	14.18	16.75	19.21	21.27	23.84	26.42	29.00	31.58	34.15	36.73	39.31
2.44	0.60	0.84	1.08	1.32	1.56	1.78	1.98	2.21	2.45	2.69	2.93	3.17	3.41	3.65
102	6.83	9.56	12.30	15.03	17.76	20.36	22.54	25.27	28.00	30.73	33.47	36.20	38.93	41.66
2.59	0.63	0.89	1.14	1.40	1.65	1.89	2.09	2.35	2.60	2.85	3.11	3.36	3.62	3.87
108	7.29	10.20	13.12	16.03	18.94	21.72	24.04	26.96	29.87	32.78	35.70	38.61	41.52	44.44
2.74	0.68	0.95	1.22	1.49	1.76	2.02	2.23	2.50	2.77	3.05	3.32	3.59	3.86	4.13
114	7.63	10.68	13.74	16.79	19.84	22.75	25.18	28.23	31.28	34.33	37.38	40.44	43.49	46.54
2.90	0.71	0.99	1.28	1.56	1.84	2.11	2.34	2.62	2.91	3.19	3.47	3.76	4.04	4.32
120	8.08	11.32	14.55	17.78	21.01	24.09	26.67	29.90	33.13	36.36	39.60	42.83	46.06	49.29
3.05	0.75	1.05	1.35	1.65	1.95	2.24	2.48	2.78	3.08	3.38	3.68	3.98	4.28	4.58
126	8.47	11.86	15.25	18.64	22.02	25.25	27.95	31.34	34.73	38.12	41.50	44.89	48.28	51.67
3.20	0.79	1.10	1.42	1.73	2.05	2.35	2.60	2.91	3.23	3.54	3.86	4.17	4.48	4.80
132	8.93	12.49	16.06	19.63	23.20	26.60	29.44	33.01	36.58	40.15	43.72	47.28	50.85	54.42
3.35	0.83	1.16	1.49	1.82	2.15	2.47	2.74	3.07	3.40	3.73	4.06	4.39	4.72	5.06
138	9.27	12.98	16.68	20.39	24.09	27.63	30.58	34.29	37.99	41.70	45.40	49.11	52.82	56.52
3.51	0.86	1.21	1.55	1.89	2.24	2.57	2.84	3.18	3.53	3.87	4.22	4.56	4.91	5.25
144	9.73	13.61	17.50	21.39	25.28	28.98	32.08	35.97	39.86	43.75	47.64	51.52	55.41	59.30
3.66	0.90	1.26	1.63	1.99	2.35	2.69	2.98	3.34	3.70	4.06	4.43	4.79	5.15	5.51
150	10.11	14.15	18.20	22.24	26.28	30.13	33.36	37.40	41.44	45.48	49.52	53.57	57.61	61.65
3.81	0.94	1.31	1.69	2.07	2.44	2.80	3.10	3.47	3.85	4.23	4.60	4.98	5.35	5.73
156	10.57	14.79	19.02	23.24	27.46	31.49	34.86	39.08	43.31	47.53	51.76	55.98	60.20	64.43
3.96	0.98	1.37	1.77	2.16	2.55	2.93	3.24	3.63	4.02	4.42	4.81	5.20	5.59	5.99
162	10.91	15.27	19.64	24.00	28.36	32.52	35.99	40.36	44.72	49.08	53.44	57.81	62.17	66.53
4.11	1.01	1.42	1.82	2.23	2.63	3.02	3.34	3.75	4.15	4.56	4.96	5.37	5.78	6.18
168	11.36	15.90	20.45	24.99	29.53	33.86	37.48	42.03	46.57	51.11	55.65	60.20	64.74	69.28
4.27	1.06	1.48	1.90	2.32	2.74	3.15	3.48	3.90	4.33	4.75	5.17	5.59	6.01	6.44
174	11.75	16.45	21.15	25.85	30.54	35.02	38.77	43.47	48.17	52.87	57.56	62.26	66.96	71.66
4.42	1.09	1.53	1.96	2.40	2.84	3.25	3.60	4.04	4.47	4.91	5.35	5.78	6.22	6.66
180	12.20	17.08	21.96	26.84	31.72	36.37	40.26	45.14	50.02	54.90	59.78	64.65	69.53	74.41
4.57	1.13	1.59	2.04	2.49	2.95	3.38	3.74	4.19	4.65	5.10	5.55	6.01	6.46	6.91

Width in Inches and Meters

Air Performance

Unit test size (48" x 48")
Airflow rate at standard air density
and the AMCA figure 5.5



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