

TEST DATA:

For a 4 Foot by 4 Foot Unit. Tested with mill finish without birdscreen.

- Free area = 6.49 ft² (0.603 m²)
- Percent free area = 40.5%
- Free area velocity at the point of beginning water penetration (@ 0.01 oz./ft² = 1250 FPM (6.35 m/s))
- Maximum recommended air intake velocity = 1050 FPM (5.33 m/s)
Air volume @ 1050 FPM free area velocity = 6814 CFM (3.22 m³/s)
Pressure drop @ 1050 FPM free area velocity = 0.24 in. H₂O (59.6 Pa)
- Maximum recommended air exhaust velocity = 1519 FPM (7.72 m/s)
Air volume @ 1519 FPM free area velocity = 9859 CFM (4.65 m³/s)
Pressure drop @ 1519 FPM free area velocity = 0.50 in. H₂O (124.2 Pa)



SUGGESTED SPECIFICATIONS:

GENERAL: Furnish and install where indicated on the drawings C/S 6" (152.4 mm) DRAINABLE SPLIT BLADE LOUVER **MODEL 6917** 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

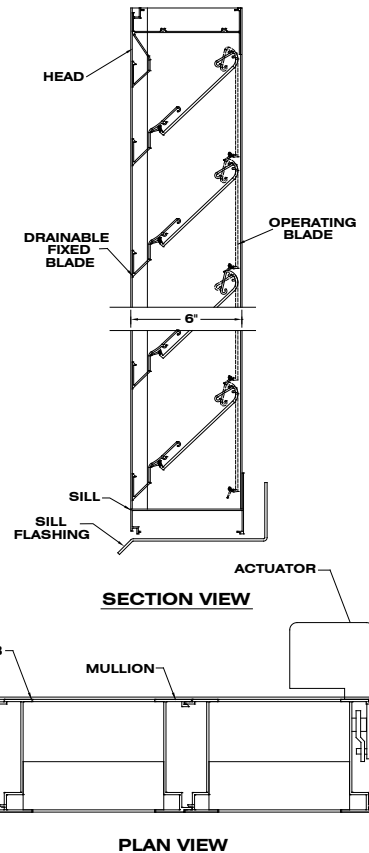
MATERIAL: Heads, sills, jambs, and mullions to be one piece structural members of 6063-T6 alloy with integral caulking slot and retaining beads. Mullions shall be sliding interlock type. Blades to be one piece extrusions with reinforcing bosses. Extrusion thicknesses shall be as follows: Heads, Sills, jambs and mullions: 0.080" (2.03 mm), Fixed Blades: 0.081" (2.06 mm) Rear Operating Blades: 0.125"(3.18 mm). All fasteners to be aluminum or stainless steel. All louvers to be furnished with 5/8" (15.87 mm) flattened expanded mesh, aluminum bird screen with a .055" (1.4 mm) thick extruded aluminum frame. Screens and screen frames to be standard mill finish. Operating blades shall have 1/2" (12.7 mm) diameter, zamac alloy pinions operating in self-lubricating nylon bearings. All operating blades shall be operated by concealed drive arms at each jamb and mullion, and assembled with stainless steel shoulder rivets. Drive arms to be interconnected by a 5/8" (15.88 mm) diameter torque bar. All louver blades and sills shall be equipped with vinyl gaskets. **Optional:** Operating louver blades to also be equipped with jamb gaskets riveted to blade ends.

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:	= 6.49 ft ² . (0.603 m ²)
Free area velocity @ point of beginning water penetration (0.01 oz./ft ²)	= 1250 fpm (6.35 m/s)
Intake Pressure drop at 0.01 free area velocity	= 0.33 in. H ₂ O (82.0 Pa)
Exhaust pressure drop at 1000-fpm (5.08 m/s) free area velocity	= 0.22 in. H ₂ O (54.6 Pa)

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 MODEL 6917

Width in Inches and Meters

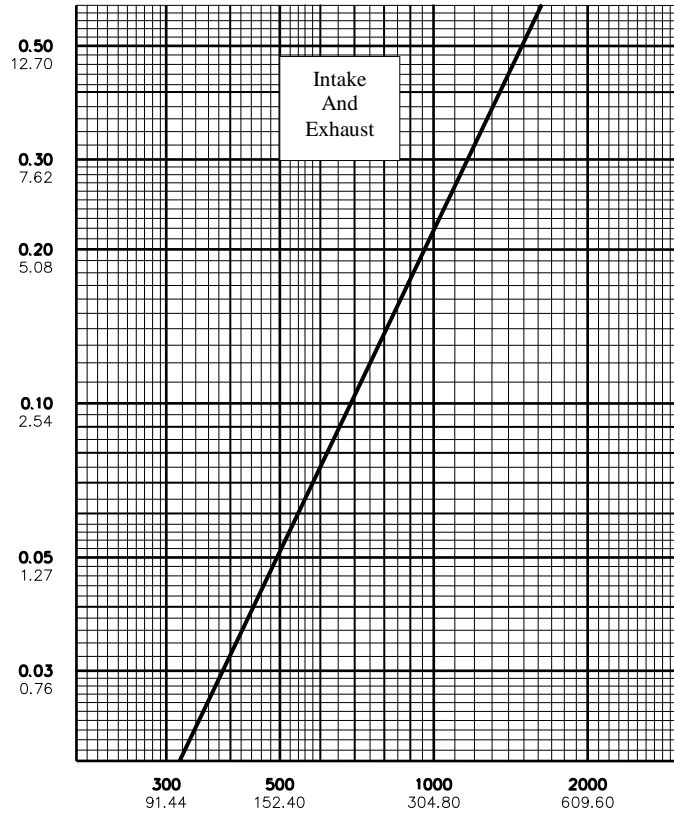
Height in Inches and Meters	18	24	30	36	42	48
		0.46	0.61	0.76	0.91	1.07
24	0.65	0.96	1.26	1.56	1.86	2.16
	0.61	0.06	0.09	0.12	0.14	0.17
30	0.98	1.43	1.89	2.34	2.79	3.25
	0.76	0.09	0.13	0.18	0.22	0.26
36	1.31	1.91	2.52	3.12	3.73	4.33
	0.91	0.12	0.18	0.23	0.29	0.35
42	1.64	2.39	3.15	3.90	4.66	5.41
	1.07	0.15	0.22	0.29	0.36	0.43
48	1.96	2.87	3.78	4.68	5.59	6.49
	1.22	0.18	0.27	0.35	0.43	0.52
54	2.29	3.35	4.41	5.46	6.52	7.58
	1.37	0.21	0.31	0.41	0.51	0.61
60	2.62	3.83	5.03	6.24	7.45	8.66
	1.52	0.24	0.36	0.47	0.58	0.69
66	2.95	4.30	5.66	7.02	8.38	9.74
	1.68	0.27	0.40	0.53	0.65	0.78
72	3.27	4.78	6.29	7.80	9.31	10.82
	1.83	0.30	0.44	0.58	0.72	0.87
78	3.60	5.26	6.92	8.58	10.25	11.91
	1.98	0.33	0.49	0.64	0.80	0.95
84	3.93	5.74	7.55	9.36	11.18	12.99
	2.13	0.36	0.53	0.70	0.87	1.04
90	4.25	6.22	8.18	10.14	12.11	14.07
	2.29	0.40	0.58	0.76	0.94	1.12
96	4.58	6.70	8.81	10.92	13.04	15.15
	2.44	0.43	0.62	0.82	1.01	1.21
102	4.91	7.17	9.44	11.71	13.97	16.24
	2.59	0.46	0.67	0.88	1.09	1.30
108	5.24	7.65	10.07	12.49	14.90	17.32
	2.74	0.49	0.71	0.94	1.16	1.38
114	5.56	8.13	10.70	13.27	15.83	18.40
	2.90	0.52	0.76	0.99	1.23	1.47
120	5.89	8.61	11.33	14.05	16.77	19.48
	3.05	0.55	0.80	1.05	1.30	1.56
126	6.22	9.09	11.96	14.83	17.70	20.57
	3.20	0.58	0.84	1.11	1.38	1.64
132	6.54	9.57	12.59	15.61	18.63	21.65
	3.35	0.61	0.89	1.17	1.45	1.73
138	6.87	10.04	13.22	16.39	19.56	22.73
	3.51	0.64	0.93	1.23	1.52	1.82
144	7.20	10.52	13.85	17.17	20.49	23.81
	3.66	0.67	0.98	1.29	1.59	1.90
150	7.53	11.00	14.47	17.95	21.42	24.90
	3.81	0.70	1.02	1.34	1.67	1.99
156	7.85	11.48	15.10	18.73	22.35	25.98
	3.96	0.73	1.07	1.40	1.74	2.08
162	8.18	11.96	15.73	19.51	23.28	27.06
	4.11	0.76	1.11	1.46	1.81	2.16
168	8.51	12.44	16.36	20.29	24.22	28.14
	4.27	0.79	1.16	1.52	1.88	2.25
174	8.84	12.91	16.99	21.07	25.15	29.23
	4.42	0.82	1.20	1.58	1.96	2.34
180	9.16	13.39	17.62	21.85	26.08	30.31
	4.57	0.85	1.24	1.64	2.03	2.42
186	9.49	13.87	18.25	22.63	27.01	31.39
	4.72	0.88	1.29	1.70	2.10	2.51
192	9.82	14.35	18.88	23.41	27.94	32.47
	4.88	0.91	1.33	1.75	2.17	2.60
198	10.14	14.83	19.51	24.19	28.87	33.56
	5.03	0.94	1.38	1.81	2.25	2.68
204	10.47	15.31	20.14	24.97	29.80	34.64
	5.18	0.97	1.42	1.87	2.32	2.77

Water Penetration Statement

AMCA defines the point of beginning water penetration as the free area velocity at which the AMCA water test has yielded 0.02 or less ounces of water per square foot of louver free area during a 15-minute test period.

Height in Inches and Meters

STATIC PRESSURE DROP IN INCHES AND MILLIMETERS OF WATER



AIR VELOCITY IN FEET AND METERS PER MINUTE THROUGH FREE AREA

For a 48" X 48" sized louver

Construction Specialties, Inc.
Manufacturing & Sales Locations
www.c-sgroup.com

Cranford, New Jersey
 49 Meeker Avenue 07016
 Telephone: (800) 631-7379
 Fax: (908) 272-2920

Mississauga, Ontario
 895 Lakefront Promenade L5E 2C2
 Telephone: (888) 895-8955
 Fax: (905) 274-6241

A member of the C/S Group of Companies
 For assistance with overseas requirements, call
 C/S International (908) 236-0800

©Copyright 2010. Construction Specialties, Inc., reserves the right to make design changes or to withdraw any design without notice.

Upper Numerals English Units/Lower Numerals Metric Units