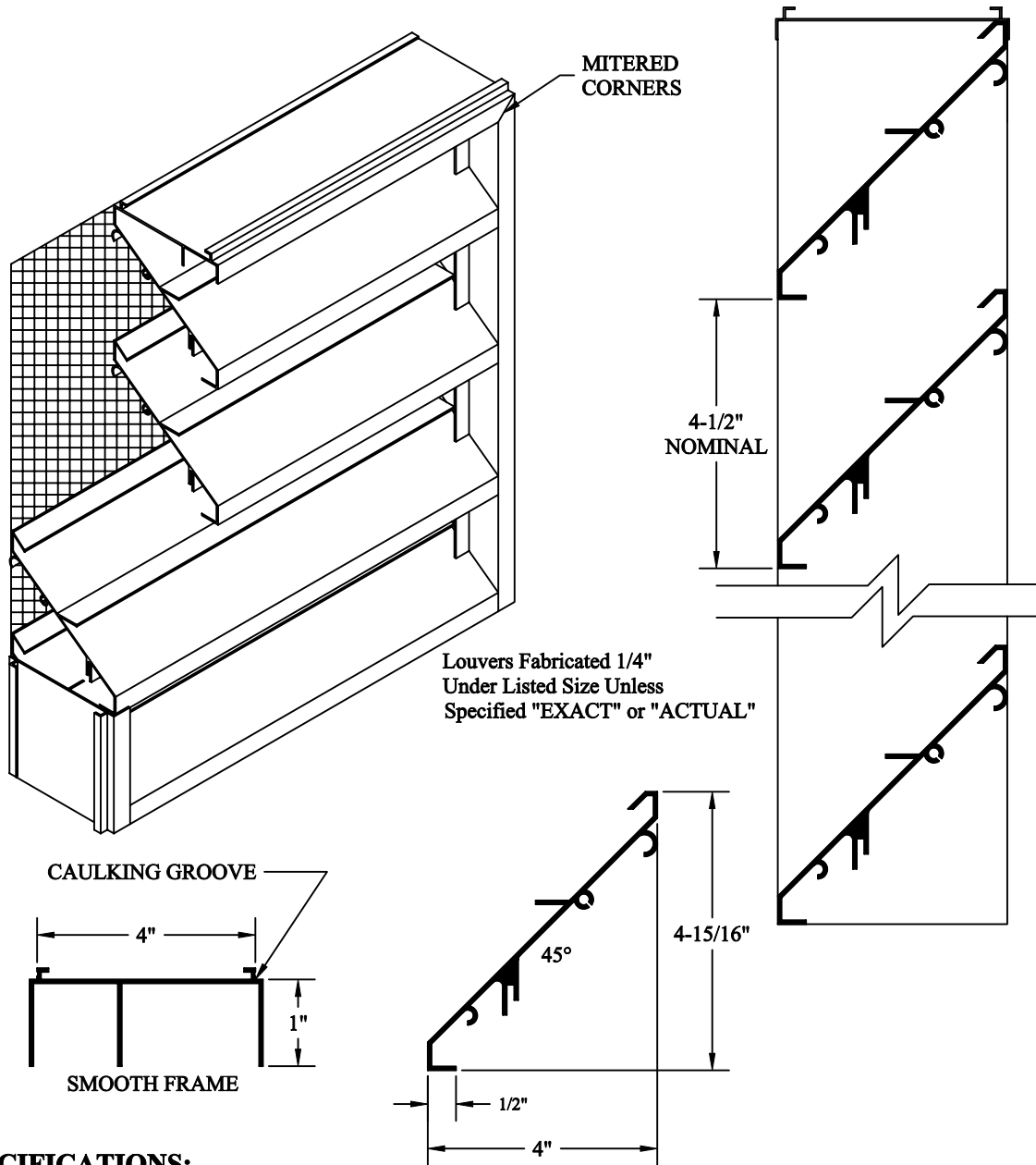


Model 445-SW Extruded Aluminum

Stationary Blade



Louvers Fabricated 1/4"
Under Listed Size Unless
Specified "EXACT" or "ACTUAL"

SPECIFICATIONS:

- 6063-T5 Alloy 12ga. (.081) extruded aluminum
- 45° Weather control blade standard
- 1/2" 19ga. galvanized birdscreen standard
- Optional: Removable birdscreen
- Removable insect screen
- Sill Extension
- 1-1/2" flange frame
- Minimum size: 10" high
- Maximum size: Single section 120" wide x 96" high

WEATHER CONTROL BLADE

Leader certifies that model 445-SW louver shown here 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 rating and water penetration rating.



JOB: _____
 LOCATION: _____ JOB NO.: _____
 ENGINEER: _____ REPRESENTATIVE: _____
 CONTRACTOR: _____ DATE: _____

LEADER
 Dampers & Louvers

P.O. Box 40913
 Nashville, TN 37204
 www.leaderindustries.com
 A Division of Leader Industries, Inc.

Approval: _____



Model 445-SW Extruded Aluminum Louver Stationary Blade

Model 445-CW Extruded Aluminum Louver Combination Stationary/Adjustable Blades

CFM and FREE AREA Chart

Width (inches)

Height (inches)	12	18	24	30	36	42	48	54	60	66	72	78	84	96
12	221 .31	357 .50	493 .69	628 .88	757 1.06	893 1.25	1028 1.44	1164 1.63	1292 1.81	1428 2.00	1564 2.19	1699 2.38	1828 2.56	2099 2.94
18	393 .55	628 .88	857 1.20	1092 1.53	1328 1.86	1564 2.19	1799 2.52	2028 2.84	2263 3.17	2499 3.50	2735 3.83	2970 4.16	3456 4.84	3670 5.14
24	557 .78	828 1.16	1100 1.54	1371 1.92	1642 2.30	1914 2.68	2185 3.06	2456 3.44	2727 3.82	2999 4.20	3270 4.58	3541 4.96	3813 5.34	4355 6.10
30	671 .94	1071 1.50	1471 2.06	1878 2.63	2278 3.19	2678 3.75	3077 4.31	3484 4.88	3884 5.44	4284 6.00	4684 6.56	5091 7.13	5491 7.69	6290 8.81
36	835 1.17	1342 1.88	1842 2.58	2342 3.28	2842 3.98	3349 4.69	3848 5.39	4348 6.09	4855 6.80	5355 7.50	5855 8.20	6362 8.91	6862 9.61	7868 11.02
42	985 1.38	1528 2.14	2071 2.90	2613 3.66	3156 4.42	3699 5.18	4241 5.94	4784 6.70	5326 7.46	5869 8.22	6412 8.98	6954 9.74	7497 10.50	8582 12.02
48	1114 1.56	1785 2.50	2456 3.44	3127 4.38	3791 5.31	4463 6.25	5134 7.19	5805 8.13	6469 9.06	7140 10.00	7811 10.94	8482 11.88	9146 12.81	10489 14.69
54	1285 1.80	2049 2.87	2820 3.95	3591 5.03	4363 6.11	5134 7.19	5905 8.27	6669 9.34	7440 10.42	8211 11.50	8982 12.58	9753 13.66	10517 14.73	12059 16.89
60	1457 2.04	2271 3.18	3084 4.32	3898 5.46	4712 6.60	5526 7.74	6340 8.88	7154 10.02	7968 11.16	8782 12.30	9596 13.44	10410 14.58	10903 15.27	12852 18.00
66	1564 2.19	2499 3.50	3434 4.81	4377 6.13	5312 7.44	6248 8.75	7183 10.06	8125 11.38	9061 12.69	9996 14.00	10931 15.31	11874 16.63	12809 17.94	14680 20.56
72	1728 2.42	2763 3.87	3806 5.33	4841 6.78	5876 8.23	6919 9.69	7954 11.14	8989 12.59	10032 14.05	11067 15.50	12102 16.95	13145 18.41	14180 19.86	16258 22.77
78	1899 2.66	2985 4.18	4070 5.70	5155 7.22	6240 8.74	7326 10.26	8411 11.78	9496 13.30	10581 14.82	11667 16.34	12752 17.86	13837 19.38	14923 20.90	17093 23.94
84	2006 2.81	3213 4.50	4420 6.19	5626 7.88	6826 9.56	8033 11.25	9239 12.94	10446 14.63	11645 16.31	12852 18.00	14059 19.69	15265 21.38	16465 23.06	18878 26.44
96	2456 3.44	3927 5.50	5398 7.56	6876 9.63	8347 11.69	9818 13.75	11288 15.81	12766 17.88	14237 19.94	15708 22.00	17179 24.06	18657 26.13	20128 28.19	23069 32.31

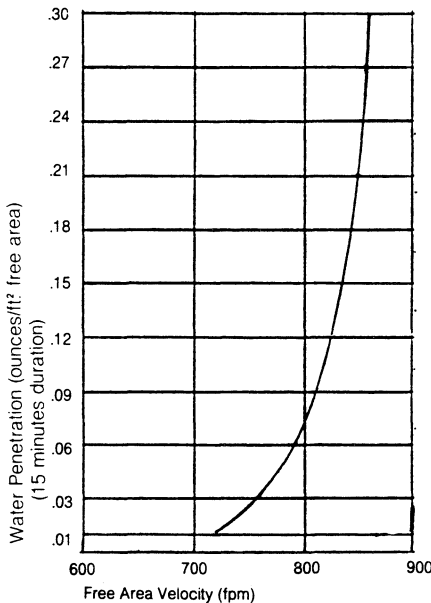
This table has been developed to assist in application and selection of these louvers. Two numbers are shown for each louver size. The upper number shows CFM of air flow permitted when selecting an intake louver at the point of zero water penetration.

Pressure drop when using this Selection Guide for an intake louver will be .07 in. w.g. The lower number shows sq. ft. of louver free area for each louver size. Louvers may be selected at other operating points on the Performance Curves if desired using the formula.
CFM = Free Area (sq. ft.) x Free Area Velocity (FPM)



Leader certifies that model 445-SW louver shown here 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 requirements of the AMCA certified ratings program. The AMCA certified ratings seal applies to air performance rating and water penetration rating. Model 445-CW is not AMCA certified.

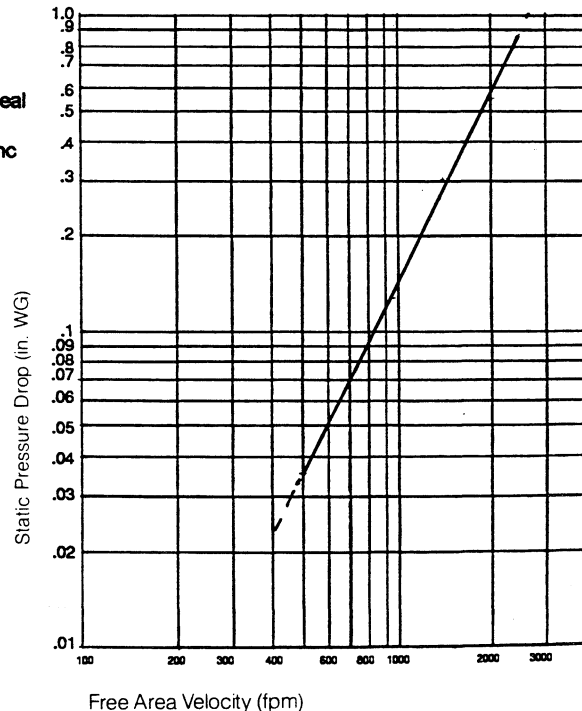
Water Penetration Chart



The AMCA certified rating seal applies to air capacities in intake mode only. Performance shown is at standard air density 0.075 lbs/ft³.

Water Penetration Data applies to test unit size 48" x 48" only. Beginning of Water Penetration is 714 FPM Free Area Velocity.

Air Performance Chart



Ratings do not include the effects of birdscreen.