

Model 445-SW Extruded Aluminum Louver Stationary Blade

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

CFM and FREE AREA Chart

		WIDTH (in)													
		12	18	24	30	36	42	48	54	60	66	72	78	84	96
HEIGHT (in)	12	198 .25	317 .40	436 .56	554 .71	673 .86	792 1.01	911 1.16	1029 1.31	1148 1.47	1267 1.62	1366 1.77	1505 1.92	1623 2.07	1851 2.38
	18	367 .47	587 .75	807 1.03	1028 1.31	1248 1.59	1468 1.88	1688 2.16	1909 2.44	2129 2.72	2349 3.00	2569 3.28	2789 3.56	3010 3.84	3450 4.41
	24	469 .63	783 1.00	1077 1.38	1370 1.75	1654 2.13	1958 2.50	2251 2.88	2545 3.25	2838 3.63	3132 4.00	3426 4.38	3719 4.75	4013 5.13	4600 5.88
	30	687 .88	1100 1.40	1512 1.93	1925 2.46	2337 2.96	2749 3.51	3162 4.04	3574 4.56	3987 5.09	4399 5.62	4811 6.14	5224 6.67	5636 7.20	6451 8.25
	36	856 1.09	1370 1.75	1884 2.41	2398 3.06	2912 3.72	3426 4.38	3939 5.03	4453 5.69	4967 6.34	5481 7.00	5995 7.65	6509 8.31	7023 8.97	8050 10.28
	42	979 1.25	1566 2.00	2153 2.75	2741 3.50	3328 4.25	3915 5.00	4502 5.75	5090 6.50	5677 7.25	6264 8.00	6851 8.75	7439 9.50	8026 10.25	9200 11.75
	48	1173 1.50	1878 2.40	2582 3.30	3286 4.20	3990 5.10	4694 5.99	5396 6.89	6102 7.79	6806 8.69	7510 9.59	8214 10.49	8918 11.39	9622 12.29	11031 14.09
	54	1346 1.72	2153 2.75	2961 3.78	3768 4.81	4576 5.84	5383 6.88	6191 7.91	6998 8.94	7806 9.97	8613 11.00	9420 12.03	10228 13.06	11035 14.09	12650 16.16
	60	1468 1.88	2349 3.00	3230 4.13	4111 5.25	4992 6.38	5873 7.50	6753 8.63	7634 9.75	8515 10.88	9396 12.00	10277 13.13	11158 14.25	12039 15.38	13800 17.63
	66	1666 2.13	2666 3.40	3665 4.68	4665 5.96	5665 7.23	6664 8.51	7664 9.79	8664 11.06	9663 12.34	10663 13.62	11663 14.89	12662 16.17	13662 17.45	15661 20.00
	72	1835 2.34	2936 3.75	4037 5.16	5138 6.56	6240 7.97	7341 9.38	8442 10.78	9543 12.19	10644 13.59	11745 15.00	12846 16.41	13947 17.81	15048 19.22	17250 22.03
	78	1958 2.50	3132 4.00	4307 5.50	5481 7.00	6656 8.50	7830 10.00	9005 11.50	10179 13.00	11354 14.50	12528 16.00	13703 17.50	14877 19.00	16052 20.50	18401 23.50
	84	2155 2.75	3449 4.40	4742 6.06	6035 7.71	7329 9.36	8622 11.01	9915 12.66	11206 14.31	12502 15.97	13795 17.62	15088 19.27	16362 20.92	17875 22.57	20262 25.88
	96	2447 3.13	3915 5.00	5383 8.88	6851 8.75	8319 10.63	9788 12.50	11256 14.38	12724 16.25	14192 18.13	15660 20.00	17128 21.88	18596 23.75	20064 25.63	23001 29.38

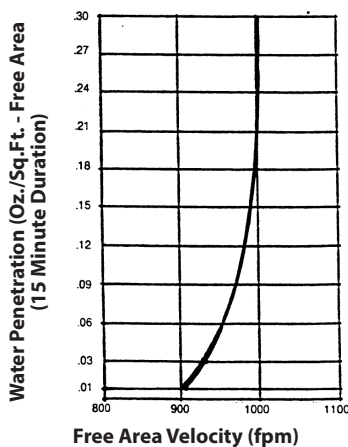
This table has been developed to assist in application and selection of these louvers. Two numbers are shown for each louver size. The upper number shows CFM of air flow permitted when selecting an intake louver at the point of zero water penetration.

Pressure drop when using this Selection Guide for an intake louver will be .07" 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 $CFM = \text{Free Area (sq. ft.)} \times \text{Free Area Velocity (fpm)}$



AireTechnologies, Inc. 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. Model 445-CW is not AMCA certified.

Water Penetration Chart



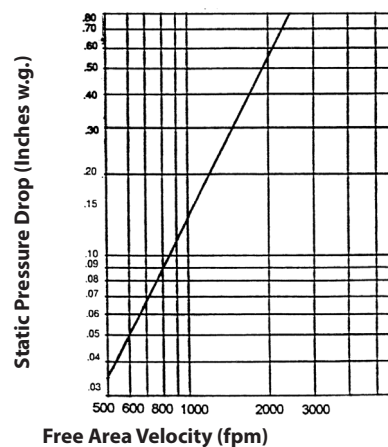
Water Penetration Data applies to test unit size 48" x 48" only.
Beginning of Water Penetration is 903 fpm Free Area Velocity

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

Test Information

Tested in accordance with ANSI/AMCA 500-L, Figure 5.5 Test sample size is 1220 mm x 1220 mm (48 in. x 48 in.) Air performance data are based on intake performance

Air Performance Chart



Ratings do not include the effects of birdscreen.



AireTechnologies, Inc.
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September 2018 - 445-SW/445-CW

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