

MODEL SP-437V

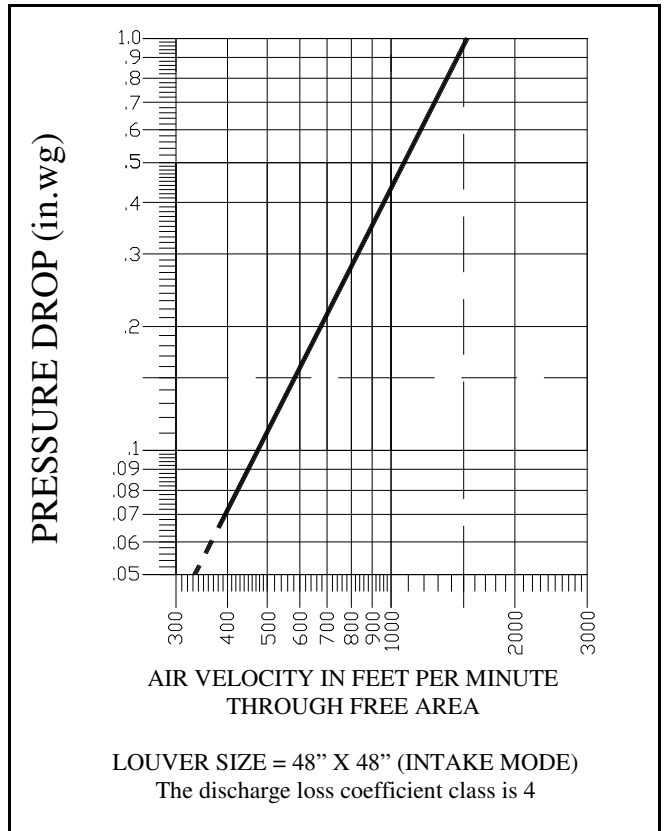
Free Area in Square Feet And Square Meters

Free Area AMCA Licensed for openings up to 72" X 120".
For free area data for larger openings, contact factory.

FREE AREA IN SQUARE FEET AND SQUARE METERS

3048.0 mm	0.357	0.833	1.309	1.784	2.260	2.736
120"	3.840	8.962	14.084	19.206	24.328	29.450
2743.2 mm	0.320	0.746	1.172	1.598	2.024	2.451
108"	3.440	8.028	12.616	17.203	21.791	26.379
2438.4 mm	0.283	0.659	1.036	1.412	1.789	2.165
96"	3.040	7.094	11.147	15.201	19.254	23.308
2133.6 mm	0.245	0.572	0.899	1.226	1.553	1.880
84"	2.640	6.159	9.679	13.198	16.717	20.237
1828.8 mm	0.208	0.485	0.763	1.040	1.317	1.595
72"	2.240	5.225	8.210	11.195	14.180	17.166
1524.0 mm	0.171	0.399	0.626	0.854	1.082	1.309
60"	1.840	4.291	6.742	9.193	11.644	14.094
1219.2 mm	0.134	0.312	0.490	0.668	0.846	1.024
48"	1.440	3.357	5.273	7.190	9.107	11.023
914.4 mm	0.096	0.225	0.353	0.482	0.610	0.739
36"	1.040	2.422	3.805	5.187	6.570	7.952
609.6 mm	0.059	0.138	0.217	0.296	0.375	0.453
24"	0.640	1.488	2.336	3.185	4.033	4.881
304.8 mm	0.022	0.051	0.080	0.110	0.139	0.168
12"	0.240	0.554	0.868	1.182	1.496	1.810
H/W	304.8 mm	609.6 mm	914.4 mm	1219.2 mm	1524.0 mm	1828.8 mm
	12"	24"	36"	48"	60"	72"

Performance Chart



Wind Driven Rain Performance

Test based on a rainfall rate of 3" per hour (75mm/hr) and a wind velocity of 29.1 mph (13 m/s) directed at the face of the louver.

On a 1m² (10.76 sq. ft.) Core Area Unit:

- To maintain a **0.99 effectiveness A** rating
 - Maximum intake core ventilation = 2.43 m/s (681 fpm)
 - Maximum free area ventilation = 5.04 m/s (1414 fpm)
 - Intake pressure drop = 102.13 Pa (.410 in. wg)
 - Intake capacity = 2.43 m³/s (7334 cfm)



Industrial Louvers, Inc. certifies that Model SP-437V shown hereon 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 ratings and wind driven rain ratings.

Discharge Coefficient

Intake Cd = 0.162 (Class 4). AMCA certifies the coefficient class only

Core Ventilation Rate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
Core Ventilation Rate (ft/min):	0	98	197	295	394	492	591	689
Free Area Ventilation Rate (ft/min):	0					967	1206	1415
Core Velocity (fpm)	0					466	581	681
Rating Effectiveness:	A	A	A	A	A	A	A	A
Effectiveness Rating:	A = 1 to 0.99		B = 0.989 to 0.95		C = 0.949 to 0.80		D = 0.80 to 0	

To download details and specifications, visit www.industriallouvers.com

CATALOG NO. SP-437V

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