

MODEL SP-837

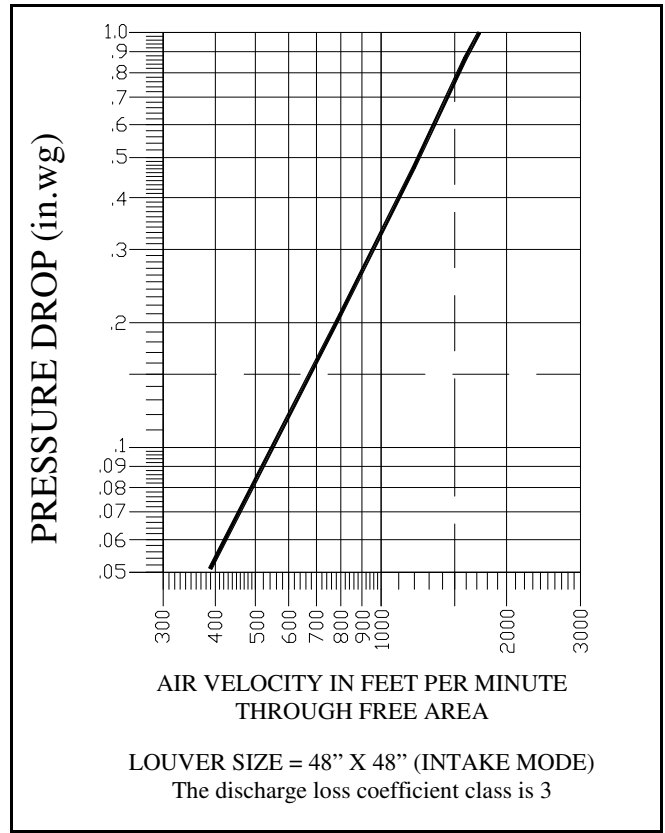
Free Area in Square Feet And Square Meters

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	0.449	0.961	1.473	1.9895	2.926	3.009
120"	4.825	10.339	15.852	21.366	26.879	32.393
2743.2 mm	0.402	0.860	1.319	1.777	2.617	2.694
108"	4.320	9.257	14.194	19.132	24.069	29.006
2438.4 mm	0.355	0.760	1.165	1.570	2.309	2.380
96"	3.815	8.176	12.536	16.897	21.258	25.619
2133.6 mm	0.308	0.659	1.011	1.362	2.000	2.065
84"	3.310	7.094	10.879	14.663	18.448	22.232
1828.8 mm	0.261	0.559	0.857	1.155	1.691	1.751
72"	2.805	6.013	9.221	12.429	15.637	18.845
1524.0 mm	0.214	0.458	0.703	0.947	1.382	1.436
60"	2.299	4.931	7.563	10.195	12.826	15.458
1219.2 mm	0.167	0.358	0.549	0.740	1.074	1.122
48"	1.794	3.850	5.905	7.960	10.016	12.071
914.4 mm	0.120	0.257	0.395	0.532	0.765	0.807
36"	1.289	2.768	4.247	5.726	7.205	8.684
609.6 mm	0.073	0.157	0.241	0.325	0.456	0.493
24"	0.784	1.687	2.589	3.492	4.394	5.297
304.8 mm	0.026	0.056	0.087	0.117	0.148	0.178
12"	0.279	0.605	0.931	1.258	1.584	1.910
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 = 3.41 m/s (672 fpm)
 - Maximum free area ventilation = 6.01 m/s (1184 fpm)
 - Intake pressure drop = 115.7 Pa (.466 in. wg)
 - Intake capacity = 3.50 m³/s (7410 cfm)

Industrial Louvers, Inc. certifies that Model SP-837 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 = 0.23 (Class 3). 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					839	1011	1184
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-837

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