

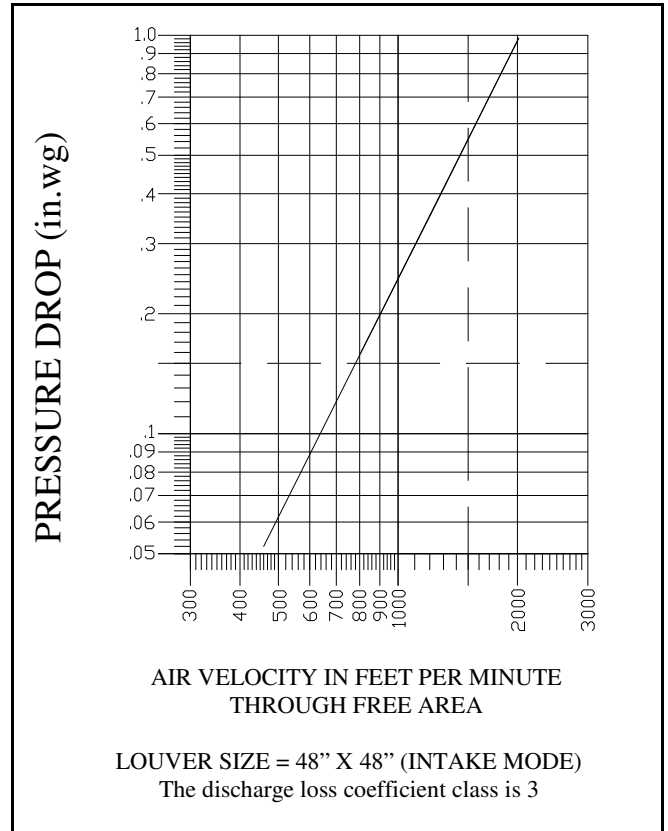
MODEL SP-537

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	0.451	0.966	1.481	1.995	2.510	3.025
120"	4.850	10.392	15.934	21.476	27.018	32.56
2743.2 mm	0.404	0.865	1.326	1.787	2.248	2.709
108"	4.342	9.305	14.268	19.230	24.193	29.156
2438.4 mm	0.357	0.764	1.171	1.578	1.985	2.392
96"	3.834	8.218	12.601	16.984	21.368	25.751
2133.6 mm	0.309	0.663	1.016	1.369	1.723	2.076
84"	3.327	7.131	10.935	14.739	18.543	22.347
1828.8 mm	0.262	0.562	0.861	1.161	1.460	1.760
72"	2.819	6.044	9.268	12.493	15.718	18.942
1524.0 mm	0.215	0.461	0.706	0.952	1.198	1.443
60"	2.311	4.956	7.602	10.247	12.892	15.538
1219.2 mm	0.168	0.360	0.551	0.743	0.935	1.127
48"	1.803	3.869	5.935	8.001	10.067	12.133
914.4 mm	0.120	0.258	0.397	0.535	0.673	0.811
36"	1.296	2.782	4.269	5.756	7.242	8.729
609.6 mm	0.073	0.157	0.242	0.326	0.410	0.494
24"	0.788	1.695	2.602	3.510	4.417	5.324
304.8 mm	0.026	0.056	0.087	0.117	0.148	0.178
12"	0.280	0.608	0.936	1.264	1.592	1.920
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 = 2.46 m/s (484 fpm)
 - Maximum free area ventilation = 4.34 m/s (854 fpm)
 - Intake pressure drop = 44.7 Pa (.180 in. wg)
 - Intake capacity = 2.46 m³/s (5208 cfm)

AMCA CERTIFIED RATINGS
RIR PERFORMANCE WIND
INDUSTRIAL LOUVERS ASSOCIATION INTERNATIONAL, INC.

Industrial Louvers, Inc. certifies that Model SP-537 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 = 0.27 (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			514	690	854	1039	1206
Rating Effectiveness:	A	A	A	A	A	A	B	C
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-537

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