

MODEL SP-537DC

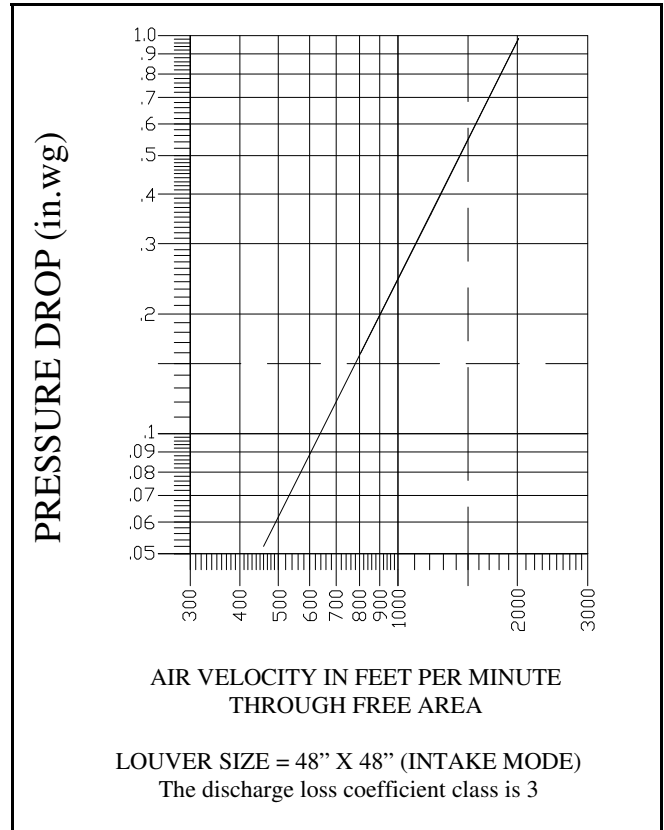
Free Area in Square Feet And Square Meters

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)



Industrial Louvers, Inc. certifies that Model SP-537DC 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-537DC

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