

Louvers

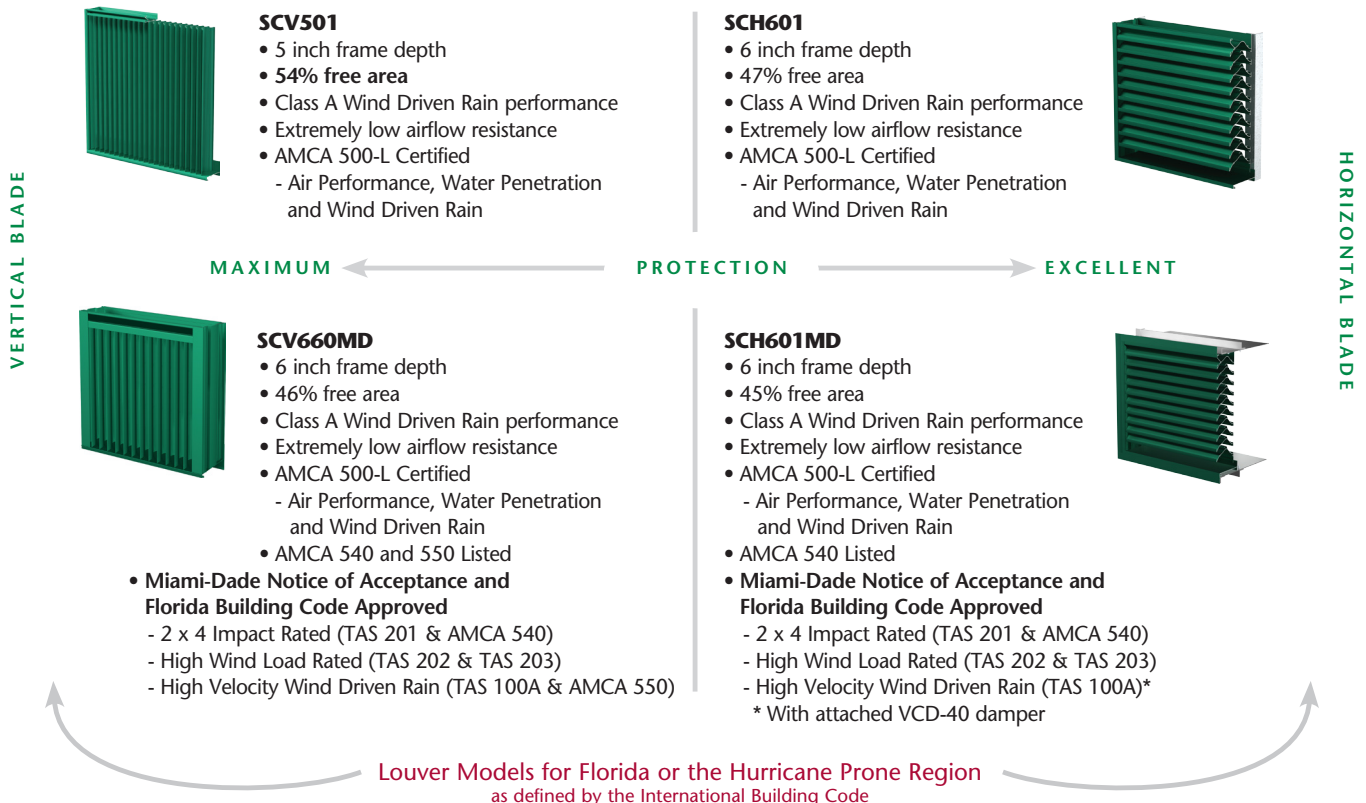
The Right Solution for Data Centers

Are you designing or specifying exterior weather louvers for Data Center projects? When it comes to the selection of louver products there are seemingly endless styles and configurations you may consider. Design professionals must consider both protection from extreme weather elements along with aesthetics. Fortunately, Aiolite manufacturers an industry leading line of high performance Wind Driven Rain louvers that will meet both the function and the form for your next Data Center project.

**For product specifications see reverse side.*



Louver Selection



Suggested Specifications

SCV501 Suggested Specification

Louvers shall stationary vertical wind driven rain style. Frame shall be 5 in. deep with 0.081 in. nominal 6063-T5 extruded aluminum wall thickness. Blades shall be stationary vertical rain resistant style positioned on approximately 1.5 in. centers with 0.060 in. nominal 6063-T5 extruded aluminum wall thickness. Louver performance shall be certified in accordance with the AMCA 511 Certified Ratings Program for AMCA 500-L Air Performance, Water Penetration and Wind Driven Rain and shall be licensed to bear the AMCA Seal. Free area for a size 48 in. x 48 in. louver shall not be less than 8.71 Sq. Ft. (54.4%). Static pressure drop shall not be greater than 0.175 in. WG at 1000 FPM free area intake or exhaust velocity. Beginning point of water penetration shall not be less than 1250 FPM free area intake velocity. Louvers shall maintain Class A wind driven rain performance up to 956 FPM core velocity with an external wind speed of 50 MPH and an external rainfall rate of 8 in. per hour.

SCH601 Suggested Specification

Louvers shall be stationary horizontal wind driven rain style. Frame shall be 6 in. deep with 0.081 in. nominal 6063-T5 extruded aluminum wall thickness. Blades shall be stationary horizontal rain resistant style positioned on approximately 2 in. centers with 0.081 in. 6063-T5 extruded aluminum wall thickness. Louver performance shall be certified in accordance with the AMCA 511 Certified Ratings Program for AMCA 500-L Air Performance, Water Penetration and Wind Driven Rain and shall be licensed to bear the AMCA Seal. Free area for a size 48 in. x 48 in. louver shall not be less than 7.58 Sq. Ft. (47.4%). Static pressure drop shall not be greater than 0.210 in. WG at 1000 FPM free area intake velocity. Static pressure drop shall not be greater than 0.235 in. WG at 1000 FPM free area exhaust velocity. Beginning point of water penetration shall not be less than 1250 FPM free area intake velocity. Louvers shall maintain Class A wind driven rain performance up to 763 FPM core velocity with an external wind speed of 50 MPH and an external rainfall rate of 8 in. per hour.

SCV660MD Suggested Specification

Louvers shall be stationary vertical wind driven rain style with Miami-Dade Notice of Acceptance and Florida Product Approval. Frame shall be 6 in. nominal depth with 0.095 in. nominal 6063-T5 extruded aluminum wall thickness. Blades shall be vertical rain resistant style positioned on approximately 0.75 in. centers with 0.063 in. nominal 6063-T5 extruded aluminum wall thickness. Louvers performance shall be certified in accordance with the AMCA 511 Certified Ratings Program for AMCA 500-L Air Performance, Water Penetration and Wind Driven Rain and shall be licensed to bear the AMCA Seal. Louvers shall be AMCA 540 Listed for Enhanced Protection Impact Resistance and AMCA 550 Listed for High Velocity Rain Resistance. Free area for a size 48 in. x 48 in. louver shall not be less than 7.29 Sq. Ft. (45.6%). Static pressure drop shall not be greater than 0.185 in. WG at 1000 FPM free area intake velocity. Static pressure drop shall not be greater than 0.152 in. WG at 1000 FPM free area exhaust velocity. Beginning point of water penetration shall not be less than 1250 FPM free area intake velocity. Louvers shall maintain Class A wind driven rain performance up to 984 FPM core velocity with an external wind speed of 50 MPH and an external rainfall rate of 8 in. per hour. Louvers shall be tested and certified for compliance with Florida test protocols TAS 201, TAS 202, TAS 203 and TAS 100A. Louvers shall be capable of withstanding both positive and negative wind pressure loads up to 150 PSF when installed in accordance with the manufacturer's published installation instructions.

SCH601MD Suggested Specification

Louvers shall be stationary horizontal wind driven rain style with Miami-Dade Notice of Acceptance and Florida Product Approval. Frame shall be 6 in. deep with 0.081 in. 6063-T5 extruded aluminum wall thickness. Blades shall be stationary horizontal wind driven rain style positioned on approximately 2 in. centers with 0.081 in. nominal 6063-T5 extruded aluminum wall thickness. Louver performance shall be certified in accordance with the AMCA 511 Certified Ratings Program for AMCA 500-L Air Performance, Water Penetration and Wind Driven Rain and shall be licensed to bear the AMCA Seal. Louvers shall be AMCA 540 Listed for Enhanced Protection Impact Resistance. Free area for a size 48 in. x 48 in. louver shall not be less than 7.18 Sq. Ft. (44.9%). Static pressure drop shall not be greater than 0.210 in. WG at 1000 FPM free area intake velocity. Static pressure drop shall not be greater than 0.235 in. WG at 1000 FPM free area exhaust velocity. Beginning point of water penetration shall not be less than 1250 FPM free area intake velocity. Louvers shall maintain Class A wind driven rain performance up to 287 FPM core velocity with an external wind speed of 50 MPH and an external rainfall rate of 8 in. per hour. Louvers shall be tested and certified for compliance with Florida test protocols TAS 201, TAS 202 and TAS 203. Louvers shall be tested and certified for compliance with Florida test protocol TAS 100A when specified to include a factory attached control damper in the closed position. Louvers shall be capable of withstanding both positive and negative wind pressure loads up to 150 PSF when installed in accordance with the manufacturer's published installation instructions.

For more information regarding the Airlite Louvers for Data Centers, visit www.airolite.com or consult your local Airlite sales representative.



Workmanship. Partnership. Leadership.

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