

# DaylightMax Product Series

## Air-Water-Structural Performance



Type	Size	Reinforcement Code	Air Infiltration	Operating Force	Water Penetration	Uniform Load	Overall Rating	Report Number
Awning	48 x 108	00	0.05 scfm/ft <sup>2</sup>	2 lbf	3.00 psf	± 30.0 psf	AP-R20	B0823.01
Awning	48 x 72	00	0.05 scfm/ft <sup>2</sup>	2 lbf	3.00 psf	± 30.0 psf	AP-R20	B0823.01
Awning	60 x 36	00	0.11 scfm/ft <sup>2</sup>	2 lbf	4.50 psf	± 45.0 psf	AP-LC30	C3514.01
Casement	36 x 80	00	0.01 scfm/ft <sup>2</sup>	7 lbf	5.25 psf	± 52.5 psf	C-R35	T352-10
Casement T-Mull (Triple)*	108 x 80	00	0.04 scfm/ft <sup>2</sup>	2 lbf	3.00 psf	± 22.5 psf	C-R15	B0846.01
Picture Casement	84 x 72	00	0.01 scfm/ft <sup>2</sup>	N/A	6.00 psf	± 60.0 psf	F-R40	A6141.01
Picture Window	120 x 48	00	0.01 scfm/ft <sup>2</sup>	N/A	3.75 psf	± 37.5 psf	FW-R25	A9231.01
Picture Window	120 x 54	00	0.01 scfm/ft <sup>2</sup>	N/A	3.00 psf	± 30.0 psf	FW-R20	96035.01
Picture Window	96 x 72	00	0.01 scfm/ft <sup>2</sup>	N/A	4.50 psf	± 45.0 psf	FW-R30	96035.01
Picture Window	96 x 74	00	0.01 scfm/ft <sup>2</sup>	N/A	4.50 psf	± 45.0 psf	FW-R30	A8091.01
Picture Window T-Mull (Triple)	144 x 48	00	0.01 scfm/ft <sup>2</sup>	N/A	4.50 psf	± 45.0 psf	FW-R30	A8093.01
Picture Window T-Mull (Triple)	144 x 48	00	0.01 scfm/ft <sup>2</sup>	N/A	2.86 psf	± 22.5 psf	FW-R15	C3510.01
Picture Window T-Mull (Twin)	96 x 60	00	0.01 scfm/ft <sup>2</sup>	N/A	4.50 psf	± 22.5 psf	FW-R15	A8092.01
Picture Window T-Mull (Twin)	96 x 63	00	0.01 scfm/ft <sup>2</sup>	N/A	2.86 psf	± 22.5 psf	FW-R15	96035.01
Single Hung	50 x 84	A3	0.11 scfm/ft <sup>2</sup>	24 lbf	3.00 psf	± 30.0 psf	H-R20	C4257.01
Single Hung	50 x 84	A3	0.13 scfm/ft <sup>2</sup>	29 lbf	3.00 psf	± 30.0 psf	H-R20	A9233.01
Single Hung T-Mull (Triple)	96 x 84	A3	0.16 scfm/ft <sup>2</sup>	N/A	3.00 psf	± 30.0 psf	H-R20	98367.01
Single Hung T-Mull (Triple)	96 x 84	A3	0.15 scfm/ft <sup>2</sup>	12 lbf	3.00 psf	± 30.0 psf	H-R20	D3271.01
Single Hung T-Mull (Twin)	96 x 84	A3	0.07 scfm/ft <sup>2</sup>	29 lbf	3.00 psf	± 30.0 psf	H-R20	98367.01
Single Hung T-Mull (Twin)	96 x 84	A3	0.12 scfm/ft <sup>2</sup>	30 lbf	3.00 psf	± 30.0 psf	H-R20	D3270.01
End Vent	120 x 65	A2	0.05 scfm/ft <sup>2</sup>	11 lbf	3.75 psf	± 37.5 psf	HS-R25	B0683.01
End Vent	144 x 63	A2	0.05 scfm/ft <sup>2</sup>	11 lbf	3.00 psf	± 30.0 psf	HS-R20	B2339.01
End Vent	96 x 84	A2	0.08 scfm/ft <sup>2</sup>	6 lbf	3.00 psf	± 30.0 psf	HS-R20	B0733.01
End Vent	96 x 84	A2	0.06 scfm/ft <sup>2</sup>	8 lbf	3.00 psf	± 30.0 psf	HS-R20	B0731.01
Endvent PXOX	120 x 84	A2	0.03 scfm/ft <sup>2</sup>	8 lbf	3.00 psf	± 22.5 psf	HS-R25	A9232.01
Slider	72 x 48	A1	0.08 scfm/ft <sup>2</sup>	10 lbf	2.86 psf	± 22.5 psf	HS-R15	C9016.01
Slider	72 x 72	A2	0.04 scfm/ft <sup>2</sup>	15 lbf	2.86 psf	± 22.5 psf	HS-R15	B7826.01
Slider	96 x 65	A2	0.06 scfm/ft <sup>2</sup>	11 lbf	3.00 psf	± 30.0 psf	HS-R20	C6559.01
Slider	96 x 84	A2	0.12 scfm/ft <sup>2</sup>	15 lbf	3.00 psf	± 30.0 psf	HS-R20	A8101.01
Slider	96 x 84	A2	0.10 scfm/ft <sup>2</sup>	14 lbf	3.00 psf	± 30.0 psf	HS-R20	A8100.01
Slider POX	96 x 84	A2	0.04 scfm/ft <sup>2</sup>	15 lbf	3.00 psf	± 30.0 psf	HS-R20	B0677.01

\* Please note that the Casement T-Mulls were tested as triples. Currently the only T-Mull available is a twin, with an individual winit width of 36".

### TEST REPORTS ARE AVAILABLE UPON REQUEST

All units tested in accordance with AAMA/WDA/CSA 101/I.S.2/A440-08, and include a welded corner test, for which all units either met or exceeded the standards, and a deglazing test, for which all units either met or exceeded the standards.

- 1) Sizes are certified up to and including the sizes listed.
- 2) Air infiltration is based upon static pressure of 1.57 psf (25 mph). Air infiltration shall not exceed 0.3 standard cubic feet per minute (scfm) per square foot.
- 3) Operating force listed is an average of the forces required to open and close the unit. The maximum allowable pound force is 30 lbf for vertical sliders and 20 lbf for horizontal sliders.
- 4) The minimum water resistance is 2.86 psf for an entry level R15 water rating, 3.75 psf for an entry level LC25 water rating, and 4.50 psf for an entry level C30 water rating.
- 5) The minimum structural test pressure is 22.5 psf for an entry level R15 structural rating, 37.5 psf for an entry level LC25 structural rating, and 45.0 psf for an entry level C30 structural rating.

### NOTES:

SPECIAL MANUFACTURING REQUIREMENTS (FOR EXAMPLE: REINFORCEMENT STRENGTH, GLASS STRENGTH, ETC.) MAY BE NECESSARY TO MEET THE DESIGN PRESSURE LISTED.

**PLEASE SPECIFY DESIGN PRESSURE REQUIRED WHERE APPLICABLE.**

PLEASE CONSULT YOUR SIMONTON REPRESENTATIVE FOR AVAILABILITY OF SIZES. FACTORS SUCH AS HARDWARE RELIABILITY, SHIPPING, CONSISTENCY IN OPERATING FORCE AND SECURING THE UNIT PROPERLY MAY LIMIT THE UNIT SIZE.