

# 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 unit 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.