

Reflections 5050 Product Series

Air-Water-Structural Performance



Type	Size	Reinforcement Code	Air Infiltration	Operating Force	Water Penetration	Uniform Load	Overall Rating	Report Number
Double Hung	32 x 62	00	0.28 scfm/ft ²	12 lbf	7.50 psf	± 75.0 psf	H-R50	C5630.01
Double Hung	36 x 63	00	0.27 scfm/ft ²	26 lbf	6.75 psf	± 67.5 psf	H-R45	C2276.01
Double Hung	36 x 72	00	0.22 scfm/ft ²	21 lbf	3.00 psf	± 30.0 psf	H-R20	97388.01
Double Hung	36 x 72	00	0.23 scfm/ft ²	25 lbf	4.50 psf	± 45.0 psf	H-R30	C2276.01
Double Hung	36 x 74	A9	0.22 scfm/ft ²	22 lbf	7.50 psf	± 75.0 psf	H-R50	C3526.01
Double Hung	44 x 63	00	0.25 scfm/ft ²	19 lbf	5.25 psf	± 52.5 psf	H-R35	C5630.01
Double Hung	44 x 63	A9	0.13 scfm/ft ²	26 lbf	6.75 psf	± 67.5 psf	H-R45	D2310.01
Double Hung	46 x 84	A9	0.17 scfm/ft ²	26 lbf	3.75 psf	± 37.5 psf	H-R25	D2310.01
Double Hung	48 x 80	00	0.14 scfm/ft ²	22 lbf	3.75 psf	± 30.0 psf	H-R20	94521.01
Double Hung	48 x 80	A9	0.15 scfm/ft ²	24 lbf	5.25 psf	± 52.5 psf	H-R35	C3526.01
Double Hung	52 x 71	E9	0.21 scfm/ft ²	21 lbf	5.25 psf	± 52.5 psf	H-R35	C3522.01
Double Hung	52 x 71	E9	0.20 scfm/ft ²	23 lbf	5.25 psf	± 52.5 psf	H-R35	C2276.01
Picture Window	74 x 63	00	0.01 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	FW-LC50	C2274.01
Picture Window	80 x 48	00	0.01 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	FW-LC50	C2274.01
Picture Window	96 x 72	00	0.01 scfm/ft ²	N/A	7.50 psf	± 60.0 psf	FW-LC40	C2274.01
End Vent	100 x 63	A2	0.18 scfm/ft ²	10 lbf	3.00 psf	± 30.0 psf	HS-R20	D3257.01
End Vent	134 x 63	E2	0.16 scfm/ft ²	20 lbf	2.86 psf	± 22.5 psf	HS-R15	C7750.01
End Vent	84 x 36	A2	0.18 scfm/ft ²	10 lbf	6.00 psf	± 60.0 psf	HS-R40	D3257.01
Slider	69 x 65	A2	0.18 scfm/ft ²	11 lbf	3.75 psf	± 37.5 psf	HS-R25	C5629.01
Slider	72 x 36	00	0.28 scfm/ft ²	15 lbf	6.00 psf	± 60.0 psf	HS-R40	C0841.01
Slider	72 x 44	00	0.21 scfm/ft ²	9 lbf	2.86 psf	± 22.5 psf	HS-R15	C0841.01
Slider	72 x 54	A2	0.19 scfm/ft ²	15 lbf	4.50 psf	± 45.0 psf	HS-R30	D3259.01
Slider	78 x 63	A2	0.16 scfm/ft ²	15 lbf	3.75 psf	± 22.5 psf	HS-R15	D3259.01

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.