

Simonton Premium Series

Air-Water-Structural Performance



Type	Size	Reinforcement Code	Air Infiltration	Operating Force	Water Penetration	Uniform Load	Overall Rating	Report Number
Awning	53 x 26	00	0.01 scfm/ft ²	1 lbf	8.25 psf	± 82.5 psf	AP-R55	B2264.01
Awning	60 x 36	00	0.01 scfm/ft ²	1 lbf	8.25 psf	± 75.0 psf	AP-R50	B2264.01
Casement	30 x 65	00	0.01 scfm/ft ²	3 lbf	8.25 psf	± 82.5 psf	C-R55	A4519.01
Casement	36 x 50	00	0.01 scfm/ft ²	3 lbf	8.25 psf	± 82.5 psf	C-R55	A4519.01
Casement	36 x 72	00	0.01 scfm/ft ²	3 lbf	6.00 psf	± 60.0 psf	C-R40	A9271.01
Casement	36 x 72	00	0.01 scfm/ft ²	3 lbf	8.25 psf	± 82.5 psf	C-R55	A4519.01
Casement	36 x 72	00	0.07 scfm/ft ²	4 lbf	8.25 psf	± 82.5 psf	C-R55	C9011.01
Casement	36 x 80	00	0.07 scfm/ft ²	4 lbf	8.25 psf	± 75.0 psf	C-R50	C9011.01
Casement T-Mull (Triple)*	100.5 x 63	00	0.05 scfm/ft ²	4 lbf	7.50 psf	± 75.0 psf	C-R50	B2269.01
Casement T-Mull (Triple)*	105 x 63	00	0.09 scfm/ft ²	5 lbf	7.50 psf	± 75.0 psf	C-R50	C7753.01
Casement T-Mull (Triple)*	107 x 72	00	0.04 scfm/ft ²	4 lbf	6.75 psf	± 67.5 psf	C-R45	C4254.01
Hopper	48 x 32	00	0.16 scfm/ft ²	2 lbf	3.75 psf	± 37.5 psf	AP-R25	C4255.01
Picture Casement	74 x 63	00	0.01 scfm/ft ²	N/A	8.25 psf	± 82.5 psf	LC-PG55	C7749.01
Picture Casement	80 x 63	00	0.01 scfm/ft ²	N/A	8.25 psf	± 82.5 psf	F-R55	95259.01
Picture Casement	96 x 72	00	0.01 scfm/ft ²	N/A	6.00 psf	± 60.0 psf	F-R40	95259.01
Picture Casement	96 x 72	00	0.01 scfm/ft ²	N/A	3.75 psf	± 37.5 psf	LC-PG25	C7749.01
Double Hung	36 x 63	00	0.21 scfm/ft ²	21 lbf	7.50 psf	± 75.0 psf	H-LC50	C9020.01
Double Hung	36 x 63	00	0.19 scfm/ft ²	15 lbf	7.50 psf	± 75.0 psf	H-R50	C5631.01
Double Hung	36 x 72	F2	0.21 scfm/ft ²	22 lbf	8.25 psf	± 82.5 psf	H-R55	D0300.01
Double Hung	36 x 74	F2	0.15 scfm/ft ²	21 lbf	7.50 psf	± 75.0 psf	H-LC50	C2266.01
Double Hung	37 x 76	A9	0.17 scfm/ft ²	26 lbf	9.75 psf	± 97.5 psf	H-R65	D0296.01
Double Hung	37 x 84	A9	0.19 scfm/ft ²	25 lbf	9.00 psf	± 90.0 psf	H-R60	C7745.01
Double Hung	37 x 84	A9	0.19 scfm/ft ²	25 lbf	9.00 psf	± 90.0 psf	H-R60	C7746.01
Double Hung	44 x 64	E9	0.18 scfm/ft ²	24 lbf	7.50 psf	± 75.0 psf	H-R50	C3513.01
Double Hung	48 x 80	00	0.18 scfm/ft ²	21 lbf	3.75 psf	± 37.5 psf	H-LC25	C9020.01
Double Hung	48 x 80	00	0.14 scfm/ft ²	27 lbf	3.75 psf	± 37.5 psf	H-R25	C5631.01
Double Hung	48 x 80	A2	0.12 scfm/ft ²	26 lbf	5.25 psf	± 52.5 psf	H-R35	D2914.01
Double Hung	52 x 71	F2	0.10 scfm/ft ²	22 lbf	5.25 psf	± 52.5 psf	H-R35	C9025.01
Double Hung	53 x 74	A2	0.12 scfm/ft ²	22 lbf	4.50 psf	± 45.0 psf	H-R30	D2916.01
Double Hung	53 x 76	H9	0.11 scfm/ft ²	29 lbf	8.25 psf	± 82.5 psf	H-R55	D0965.01
Double Hung	53 x 76	H9	0.11 scfm/ft ²	28 lbf	7.50 psf	± 75.0 psf	H-R50	A9235.01
Double Hung	53 x 80	H9	0.14 scfm/ft ²	22 lbf	6.00 psf	± 60.0 psf	H-R40	A6989.01
Double Hung	53 x 80	00	0.14 scfm/ft ²	22 lbf	2.86 psf	± 22.5 psf	H-R15	B1966.01
Double Hung	56 x 84	F2	0.11 scfm/ft ²	22 lbf	3.00 psf	± 30.0 psf	H-R20	C9025.01
Double Hung	56 x 84	A2	0.08 scfm/ft ²	24 lbf	3.75 psf	± 37.5 psf	H-R25	C9037.01
Double Hung (High TL)	37 x 84	A9	0.19 scfm/ft ²	25 lbf	9.00 psf	± 90.0 psf	*H-R60	C7745.01
Double Hung (High TL)	47 x 71	A4	0.13 scfm/ft ²	25 lbf	7.50 psf	± 75.0 psf	H-R50	D0294.01
Double Hung (High TL)	53 x 76	H9	0.11 scfm/ft ²	28 lbf	7.50 psf	± 75.0 psf	H-R50	A9235.01
Double Hung w/Fixed Top Sash	48 x 96	E3	0.19 scfm/ft ²	22 lbf	3.00 psf	± 30.0 psf	H-R20	14-0144-A
Picture Window	37 x 84	00	0.01 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	FW-R50	A9267.01
Picture Window	37 x 84	00	0.00 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	FW-R50	A2066.01
Picture Window	63 x 63	00	0.01 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	FW-LC50	95258.01
Picture Window	72 x 63	00	0.01 scfm/ft ²	N/A	9.00 psf	± 90.0 psf	FW-LC60	95258.01
Picture Window	74 x 63	00	0.01 scfm/ft ²	N/A	9.00 psf	± 90.0 psf	FW-R60	T261-10
Picture Window	74 x 63	00	0.01 scfm/ft ²	N/A	9.75 psf	± 97.5 psf	FW-R55	B3417.01
Picture Window	74 x 63	00	0.01 scfm/ft ²	N/A	8.25 psf	± 82.5 psf	FW-LC55	C2269.01
Picture Window	96 x 72	00	0.01 scfm/ft ²	N/A	6.75 psf	± 67.5 psf	FW-LC45	95258.01
End Vent	100 x 48	A2	0.18 scfm/ft ²	8 lbf	6.75 psf	± 67.5 psf	HS-R45	C9142.01
End Vent	100 x 48	A2	0.21 scfm/ft ²	8 lbf	6.75 psf	± 67.5 psf	HS-R45	D2289.01
End Vent	100 x 63	00	0.17 scfm/ft ²	10 lbf	3.00 psf	± 30.0 psf	HS-R20	C9143.01
End Vent	100 x 63	00	0.21 scfm/ft ²	8 lbf	6.75 psf	± 30.0 psf	HS-R20	D2296.01
End Vent	105 x 51	A2	0.15 scfm/ft ²	6 lbf	6.75 psf	± 67.5 psf	HS-R45	C9142.01
End Vent	110 x 63	H2	0.15 scfm/ft ²	8 lbf	6.00 psf	± 60.0 psf	HS-R40	D2294.01
End Vent	120 x 72	A2	0.12 scfm/ft ²	10 lbf	3.00 psf	± 30.0 psf	HS-R20	C7747.01
End Vent	120 x 72	A2	0.14 scfm/ft ²	9 lbf	2.86 psf	± 22.5 psf	HS-R15	D2289.01
End Vent	131 x 65	E2	0.12 scfm/ft ²	10 lbf	3.00 psf	± 30.0 psf	HS-R20	C3512.01
End Vent	136 x 63	F2	0.10 scfm/ft ²	8 lbf	3.75 psf	± 37.5 psf	HS-R25	D2291.01
End Vent	136 x 63	A2	0.12 scfm/ft ²	14 lbf	3.75 psf	± 37.5 psf	HS-R25	D0297.01
End Vent	148 x 48	E2	0.12 scfm/ft ²	7 lbf	4.50 psf	± 45.0 psf	HS-R30	C9026.01
End Vent	84 x 48	A2	0.16 scfm/ft ²	9 lbf	8.25 psf	± 82.5 psf	HS-R55	C9142.01
End Vent	84 x 48	A2	0.21 scfm/ft ²	13 lbf	8.25 psf	± 82.5 psf	HS-R55	D2291.01
End Vent	84 x 63	A2	0.21 scfm/ft ²	8 lbf	4.50 psf	± 45.0 psf	HS-R30	D2291.01

Premium Series

Air-Water-Structural Performance



Type	Size	Reinforcement Code	Air Infiltration	Operating Force	Water Penetration	Uniform Load	Overall Rating	Report Number
End Vent	84 x 63	A2	0.08 scfm/ft ²	6 lbf	4.50 psf	± 45.0 psf	HS-R30	C9142.01
Slider	63 x 48	A2	0.12 scfm/ft ²	10 lbf	8.25 psf	± 82.5 psf	HS-R55	D2300.01
Slider	63 x 48	A2	0.18 scfm/ft ²	15 lbf	8.25 psf	± 82.5 psf	HS-R55	C7752.01
Slider	72 x 48	A2	0.12 scfm/ft ²	10 lbf	6.75 psf	± 67.5 psf	HS-R45	D2300.01
Slider	72 x 63	00	0.15 scfm/ft ²	10 lbf	3.00 psf	± 30.0 psf	HS-R20	97384.01
Slider	72 x 63	00	0.12 scfm/ft ²	8 lbf	3.00 psf	± 30.0 psf	HS-R20	C9006.01
Slider	73 x 51	A2	0.10 scfm/ft ²	11 lbf	7.50 psf	± 75.0 psf	HS-R50	C9010.01
Slider	73 x 62	E9	0.13 scfm/ft ²	16 lbf	7.50 psf	± 75.0 psf	HS-R50	D0968.01
Slider	73 x 62	E9	0.13 scfm/ft ²	15 lbf	7.50 psf	± 75.0 psf	HS-R50	A9263.01
Slider	78 x 63	A2	0.08 scfm/ft ²	10 lbf	8.25 psf	± 37.5 psf	HS-R25	D2299.01
Slider	78 x 63	A2	0.11 scfm/ft ²	15 lbf	3.75 psf	± 37.5 psf	HS-R25	C7752.01
Slider	78 x 63	H2	0.08 scfm/ft ²	15 lbf	6.00 psf	± 60.0 psf	HS-R40	D2303.01
Slider	78 x 72	A2	0.09 scfm/ft ²	19 lbf	3.00 psf	± 30.0 psf	HS-R20	D2299.01
Slider	78 x 72	A2	0.14 scfm/ft ²	15 lbf	3.00 psf	± 30.0 psf	HS-R20	C6557.01
Slider	96 x 65	A2	0.10 scfm/ft ²	19 lbf	3.00 psf	± 30.0 psf	HS-R20	D2299.01
Garden Door Center Hinge Inswing	72 x 80	00	0.07 scfm/ft ²	N/A	5.25 psf	± 52.5 psf	SHD-R35	C3519.01
Garden Door Center Hinge Outswing	72 x 80	00	0.04 scfm/ft ²	14 lbf	7.50 psf	± 75.0 psf	HGD-R50	C3520.01
Garden Door French Hinge Inswing	72 x 80	00	0.07 scfm/ft ²	N/A	4.50 psf	± 45.0 psf	SHD-R30	C3521.01
Garden Door French Hinge Outswing	72 x 80	00	0.03 scfm/ft ²	N/A	5.25 psf	± 52.5 psf	SHD-R35	C7742.01
Door Picture Window	36 x 80	00	0.02 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	F-R50	99638.01
Door Picture Window	36 x 96	00	0.01 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	F-R50	99638.01
Door Picture Window	96 x 48	00	0.01 scfm/ft ²	N/A	6.00 psf	± 60.0 psf	F-R40	T349-10
Patio Door	107.25 x 79.25	H9	0.12 scfm/ft ²	15 lbf	7.50 psf	± 75.0 psf	SD-R50	C0842.01
Patio Door	107.25 x 95.25	A9	0.15 scfm/ft ²	20 lbf	5.25 psf	± 52.5 psf	SD-R35	D3261.01
Patio Door	143.25 x 79.25	A9	0.14 scfm/ft ²	30 lbf	5.25 psf	± 52.5 psf	SD-R35	D2904.01
Patio Door	143.25 x 95.25	H9	0.07 scfm/ft ²	15 lbf	7.50 psf	± 75.0 psf	SD-R50	C6575.01
Patio Door	77.25 x 96	A9	0.14 scfm/ft ²	8 lbf	5.25 psf	± 52.5 psf	SD-R35	A2053.01
Patio Door	96 x 80	F9	0.12 scfm/ft ²	10 lbf	7.50 psf	± 75.0 psf	SD-R50	B0690.01
Inovo Door Picture Window	107.25 x 47.25	00	0.01 scfm/ft ²	N/A	7.50 psf	± 75.0 psf	F-PG/R50	SIM-011-03-01
Inovo Patio Door	107.25 x 79.25	00	0.27 scfm/ft ²	15 lbf	5.25 psf	± 52.5 psf	SGD-PG/R35	SIM-007-03-02
Inovo Patio Door	107.25 x 79.25	00	0.11 scfm/ft ²	12 lbf	5.25 psf	± 52.5 psf	SGD-PG/R35	SIM-014-03-03
Inovo Patio Door	143.25 x 79.25	F2	0.24 scfm/ft ²	N/A	3.75 psf	± 37.5 psf	SGD-PG/R25	SIM-011-03-04
Inovo Patio Door	71.25 x 79.25	A2	0.18 scfm/ft ²	11 lbf	7.50 psf	± 75.0 psf	SGD-PG/R50	SIM-011-03-02
Inovo Patio Door	71.25 x 81.25	00	0.17 scfm/ft ²	12 lbf	5.25 psf	± 52.5 psf	SGD-PG/R35	SIM-007-03-01
Inovo Patio Door	71.25 x 81.25	A2	0.24 scfm/ft ²	15 lbf	6.75 psf	± 67.5 psf	SGD-PG/R45	SIM-011-03-05
Inovo Patio Door	71.25 x 81.25	00	0.12 scfm/ft ²	12 lbf	5.25 psf	± 52.5 psf	SGD-PG/R35	SIM-014-03-04
Inovo Patio Door	71.25 x 81.25	F2	0.22 scfm/ft ²	21 lbf	7.50 psf	± 75.0 psf	SGD-PG/R50	SIM-014-03-02
Inovo Patio Door	71.25 x 81.25	F2	0.13 scfm/ft ²	21 lbf	7.50 psf	± 75.0 psf	SGD-PG/R50	SIM-014-03-01
Inovo Patio Door	95.25 x 95.25	F2	0.11 scfm/ft ²	18 lbf	5.25 psf	± 52.5 psf	SGD-PG/R35	SIM-018-03-02
Inovo Patio Door	95.25 x 95.25	F2	0.17 scfm/ft ²	12 lbf	5.25 psf	± 60.0 psf	SGD-PG-R35	SIM-018-03-01

* 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.