



Series 8100 Single Hung Window

Precision Mitered Fusion Welded Corners

provide superior structural strength and weather resistance

Beveled Frame Design

provides a stylish, hand-crafted exterior appearance

Integral, Pre-Punched Mounting Flange

targets proper fastener location for quick, easy install (block frame available for replacement applications)

Optional Decorative Grids

add style and beauty and are available in a variety of patterns

Dual, Concealed Drainage System

carries water away from the window while controlling air and dust penetration

Positive-Action Cam Locks

provide comforting security and hold sash units tightly together to seal out weather

Double Steel Reinforced Meeting Rails

provide superior strength and rigidity

Multi-Chamber Frame Design

improves thermal efficiency and helps enhance sound absorbency

Interlocking Meeting Rails

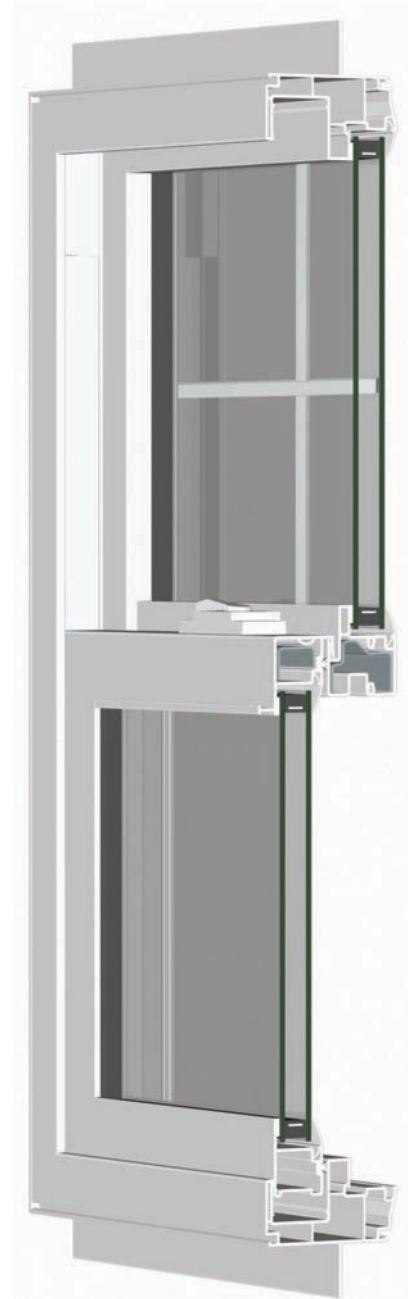
reduce air and water infiltration and enhance structural strength

Warm-Edge Insulated Glass

assembly improves acoustical and thermal performance and helps reduce condensation

Heavy-Duty Block and Tackle Balances

enhance durability and provide smooth sash operation



Color options:

White

Almond

(actual colors may vary)

Manufacturer reserves the right to substitute components as necessary for continued product improvement.

* Screens are not meant to restrain a child from falling through an open window.

Series 8100 Single Hung Window Performance Data

Air, Water, Structural & Forced Entry Performance:

Performance Class	H-LC30
Structural Load*	DP 30 (45.00 psf test pressure at 56" x 91" size) per ASTM E330
Water Resistance	4.50 psf per ASTM E547
Air Infiltration	0.03 cfm/ft ² per ASTM E283
Forced Entry	Passed at Grade 10 per ASTM F588

*Performance reported for a single unit configuration at size indicated. Rating may vary for other sizes and configurations. Contact your sales representative for details.

Acoustic Performance:

Glazing Configuration	STC	EWR	OITC
1/8 - 1/8	29	29	23
3/16 - 1/8	33	35	27
1/4 - 1/8	34	35	28
1/4 - 3/16	34	36	29
1/4 Lami - 3/16	35	37	31

Thermal Performance:

Glazing Configuration	Glass Type	U-Factor	SHGC (wo/ grids)	SHGC (w/grids)
1/8 - 1/8	Low E 272	0.35	0.34	0.26
	Low E 272 - Argon	0.29	0.34	0.26
	Low E 366	0.31	0.22	0.17
3/16 - 1/8	Low E 366 - Argon	0.28	0.22	0.17
	Low E 272	0.34	0.34	0.30
	Low E 272 - Argon	0.29	0.34	0.30
1/4 - 1/8	Low E 366	0.31	0.22	0.20
	Low E 366 - Argon	0.28	0.22	0.20
	Low E 272	0.34	0.34	0.30
1/4 - 3/16	Low E 272 - Argon	0.29	0.34	0.30
	Low E 366	0.31	0.22	0.20
	Low E 366 - Argon	0.28	0.22	0.20
1/4 Lami - 3/16	Low E 272	0.34	0.34	0.30
	Low E 272 - Argon	0.29	0.34	0.30
	Low E 366	0.31	0.22	0.20
1/4 Lami - 3/16	Low E 366 - Argon	0.28	0.22	0.20
	Low E 272	0.34	0.34	0.30
	Low E 272 - Argon	0.29	0.34	0.30

Series 8100 Single Hung Window Size Chart

(Custom net sizes also available in 1/8" increments. Contact your sales representative for details.)

	18"	24"	30"	36"	42"	48"
Rough Opening	17.5"	23.5"	29.5"	35.5"	41.5"	47.5"
Exact Size	35.5"	41.5"	47.5"	53.5"	59.5"	65.5"
36"	1630	2030	2630	3030	3630	4030
42"	1636	2036	2636	3036	3636	4036
48"	1640	2040	2640	3040	3640	4040
54"	1646	2046	2646	3046	3646	4046
60"	1650	2050	2650	3050	3650	4050
66"	1656	2056	2656	3056	3656	4056
72"	1660	2060	2660	3060	3660	4060

Meets egress of Clear operable area of > 5.7 sq. ft. Clear operable width of > 20". Clear operable height of 24"



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