



# Volume Control for the Home.

## Series 7100 Single Hung Window

### Single Hung Design

enhances structural strength and eliminates the extra sash joint perimeter present in older double slide designs which can provide a path for air and water infiltration

### Precision Mitered Fusion Welded Corners

provide superior structural strength and weather resistance

### Beveled Frame Design

provides a stylish, hand-crafted exterior appearance

### Double Steel Reinforced Meeting Rails

provide superior durability and structural strength

### Optional Decorative Grids

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

### Block Frame Design

provides for convenient installation in a variety of wall conditions (factory applied mounting flange available upon request)

### Secondary Sash

accepts up to 1/4" thick laminated glass for use when the highest noise levels are encountered

### Dual Weep / Drainage System

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

### Self-Latching Locks

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

### Multi-Chamber Frame Design

improves thermal efficiency and helps enhance sound absorbency

### Interlocking Meeting Rails

reduce air and water infiltration and add structural integrity to both inner and outer sash systems

### 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

**Exterior paint options are available.**

(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 7100 Single Hung Window Performance Data

### Air, Water, Structural & Forced Entry Performance:

Performance Class	H-DW-LC35
Structural Load*	DP 35 (82.71 psf test pressure at 48" x 72" size) per ASTM E330
Water Resistance	5.43 psf per ASTM E547
Air Infiltration	0.05 cfm/ft <sup>2</sup> 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 - 1/8	40	39	28
1/8 - 1/8 - 3/16	43	42	29
3/16 - 1/8 - 3/16	46	45	29
1/4 Lami - 1/8 - 3/16	47	46	31
1/4 Lami - 1/8 - 1/4 Lami	48	47	33

### Thermal Performance:

Glazing Configuration	Glass Type	U-Factor	SHGC (w/o grids)	SHGC (w/ grids)
1/8 - 1/8 - 1/8	Low E 272	0.23	0.29	0.26
	Low E 272 - Argon	0.21	0.29	0.26
	Low E 366	0.22	0.19	0.17
	Low E 366 - Argon	0.21	0.19	0.17
1/8 - 1/8 - 3/16	Low E 272	0.23	0.29	0.26
	Low E 272 - Argon	0.21	0.29	0.26
	Low E 366	0.22	0.19	0.17
	Low E 366 - Argon	0.21	0.19	0.17
3/16 - 1/8 - 3/16	Low E 272	0.23	0.29	0.26
	Low E 272 - Argon	0.21	0.29	0.26
	Low E 366	0.22	0.19	0.17
	Low E 366 - Argon	0.20	0.19	0.17
1/4 Lami - 1/8 - 3/16	Low E 272	0.22	0.32	0.29
	Low E 272 - Argon	0.20	0.32	0.29
	Low E 366	0.22	0.26	0.23
	Low E 366 - Argon	0.20	0.26	0.23
1/4 Lami - 1/8 - 1/4 Lami	Low E 272	0.22	0.32	0.29
	Low E 272 - Argon	0.20	0.32	0.29
	Low E 366	0.22	0.26	0.23
	Low E 366 - Argon	0.20	0.26	0.23

## Series 7100 Single Hung Window Size Chart

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

Rough Opening	18"	24"	30"	36"	42"	48"
Exact Size	17.5"	23.5"	29.5"	35.5"	41.5"	47.5"
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"

