



# Volume Control for the Home.

## Series 9000 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

### Double Steel Reinforced Meeting Rails

provide superior strength and rigidity

### Integral, Pre-Punched Mounting Flange

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

### 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

### Multi-Chamber Frame Design

improves thermal efficiency and helps enhance sound absorbency

### Interlocking Meeting Rails

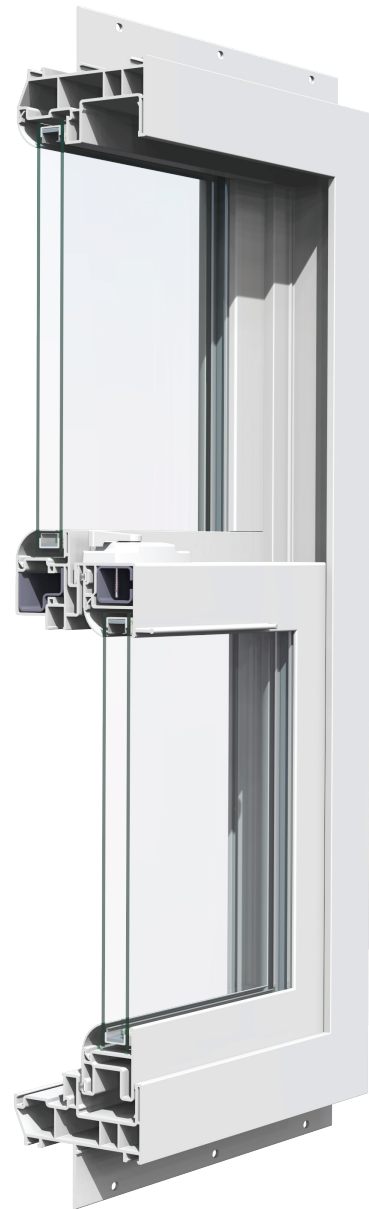
reduce air and water infiltration and add structural integrity  
to both inner and outer sash systems

### 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

Adobe

(actual colors may vary)

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

## Series 9000 Single Hung Window Performance Data

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

Performance Class	H-LC40
Structural Load*	DP 40 (40.10 psf test pressure at 48" x 72" size) per ASTM E330
Water Resistance	6.06 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	31	26	32
3/16 - 1/8	34	30	36
1/4 - 1/8	33	29	35
1/4 Lami - 3/16	35	32	37

### Thermal Performance:

Glazing Configuration	Glass Type	U-Factor	SHGC (w/o grids)	SHGC (w/ grids)
1/8 - 1/8 STC 31 OITC 26	Low E 272	0.33	0.33	0.29
	Low E 272 - Argon	0.30	0.32	0.29
	Low E 366	0.35	0.22	0.20
3/16 - 1/8 STC 33 OITC 29	Low E 366 - Argon	0.28	0.21	0.19
	Low E 272	0.35	0.38	0.29
	Low E 272 - Argon	0.31	0.38	0.34
1/4 - 1/8 STC 34 OITC 30	Low E 366	0.34	0.30	0.27
	Low E 366 - Argon	0.28	0.30	0.27
	Low E 272	0.35	0.32	0.29
STC 35 OITC 32	Low E 272 - Argon	0.32	0.32	0.29
	Low E 366	0.35	0.22	0.20
	Low E 366 - Argon	0.28	0.21	0.19
1/4 Lami - 3/16 STC 35 OITC 32	Low E 272	0.34	0.37	0.33
	Low E 272 - Argon	0.31	0.37	0.33
	Low E 366	0.34	0.29	0.26
Low E 366 - Argon	0.29	0.29	0.26	

## Series 9000 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
78"	1666	2066	2666	3066	3666	4066
84"	1670	2070	2670	3070	3670	4070
90"	1676	2076	2676	3076	3676	4076
96"	1680	2080	2680	3080	3680	4080

- 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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