



DHW300

All-Wood • Single-Hung/Double-Hung • 4 5/8" Full Jamb

PRODUCT SPECIFICATIONS

FRAME

- Head, jamb and sill frame parts are of kiln dried ponderosa pine, treated with a water repellant preservative to protect from rot and insects. Also available in sapele.
- are also available in cPVC in addition to pine (standard) and sapele
- Head, jamb and sill joints are tenoned, glued and nailed.
- Frame thickness of 1 1/16" at head and jamb.
- Standard jamb depth: 4 5/8"; (With optional screenstop: 5 1/8")
- Sill is 1" thick on a 9 degree angle and is designed for remodeling or new construction installation.
- Available with optional 3/8" foam wrap for air tight installation.
- A continuous sill (up to 120") is used on mulled units.

SASH

- Exterior parts are of .050" maintenance-free extruded aluminum and mitered corners are tightly joined with screws and corner keys.
- Sash parts are fitted to the extruded aluminum and are of kiln dried ponderosa pine, treated with a water repellant preservative to protect from rot and insects. Also available in sapele.
- Sash joints are tenoned, glued and nailed from the interior.
- Silicone glazed from the interior for a positive water tight seal.
- Overall finish sash thickness: 1 7/16" (standard). Optional 1 3/4" sash available.
- Sash profile width are: top rail (2 5/8" (standard); optional 1 3/4" available), stiles (1 3/4" (standard); optional 2 5/8" available), check rails (1 1/2"), bottom rail (3 1/4" (standard); optional 2 5/8" and 4" available.)
- Unequal sash heights can be specified.
- Top and bottom operating sashes with locking pivot shoe tilt-in and can be removed for finishing or cleaning.

EXTERIOR FINISH

- Standard factory primed white in pine (standard) and sapele
- Available in prefinished white in pine (standard) and sapele. Contact Trimline dealer for custom color details.

INTERIOR FINISH

- Standard in unfinished natural wood in specified species (pine (standard) and sapele) which can be painted or stained.
- Available factory primed or prefinished white in pine (standard) and sapele. Contact Trimline dealer for custom color details.

HARDWARE

- Hardware available in these following styles: Traditional and Restoration II.
- Sash lock and keeper are surface mounted cam action style. Recessed E-Z tilt sash release latches for top and bottom sash tilting. Dual lock/ lifts standard on units over 28" wide; triple locks standard on units over 50" wide. Sash lifts standard at bottom rail.
- Traditional style hardware is available in these finishes: White (Painted), Beige (Painted), Earthtone (Painted), Oil Rubbed Bronze (Plated), Polished Chrome (Plated), Satin Chrome (Plated), Antique Brass (Plated), Polished Brass (Plated) and Satin Nickel (Plated).
- Restoration II style hardware is available in these finishes: White (Painted), Beige (Painted), Earthtone (Painted), Oil Rubbed Bronze (Plated), Polished Chrome (Plated), Satin Chrome (Plated), Antique Brass (Plated), Polished Brass (Plated) and Satin Nickel (Plated).

Balances

- Concealed block and tackle system for smooth and effortless operation with locking cam action pivot shoes that never needs adjusting. AAMA 902-07 tested for over 28,000 cycles without failure.

WEATHERSTRIPPING

- Head, meeting rails and bottom rail are weather-sealed with Q-Lon® almond color compression seal foam; Fin-Seal® at the sill dam; dual Fin-Seal® and Q-Lon® at the vertical stiles/jambliner, Fin-Seal® at the sill dam and Fin-Seal® dust plugs at the meeting rails for low air infiltration.

GLASS

- Standard clear 1¹/₁₆" thick insulating glass, consisting of "double strength" 1¹/₈" (3 mm) annealed glass, 7¹/₁₆" air space using Tremco's EnerEDGE® warm-edge, dual-seal silicone foam spacer, hermetically sealed with hot melt butyl.
- Glass also available in these thicknesses: 5¹/₃₂" (3.9 mm) with 3¹/₈" air space, 3¹/₁₆" (4.7 mm) with 5¹/₁₆" air space and 7¹/₃₂" (5.7 mm) with 1¹/₄" air space.
- Other glazing options include Cardinal® LoE²-270 and with obscure, tempered, laminated, bronze or grey tint. Decorative glass also available. Cardinal® LoE²-270 + LoE-i89 is available only in annealed and tempered.

INSECT SCREENS

- Standard full screen of .019" thick roll-formed aluminum.
- Optional half screen of .019" thick roll-formed aluminum.
- Optional interior sliding half screen of .050" thick extruded aluminum.(Requires 4 7¹/₈" jamb pocket.)
- Standard colors available: White, Bronze, Earthtone, Beige, Black and Hunter Green and meet the physical test requirements of AAMA 2605. Custom colors available.
- Charcoal fiberglass screen cloth (18" × 16" mesh) standard; optional screen mesh available in charcoal or aluminum color wire or Better View™ high transparency screening in charcoal fiberglass cloth only.

GRILLES

- Simulated Divided Lites (SDL) in a classic putty glazed 5¹/₈", 7¹/₈", 1 1¹/₄" or 1 1¹/₂" wood (optional cPVC) muntin profile permanently applied to exterior of the insulated glass. Double faced tape is used to apply muntin to the glass which first is prepared with a saline type glass bonding and coupling agent before muntin is applied to help ensure lasting adhesion. An optional between the glass dark bronze shadow bar is available for an authentic true divided lite look. Interior wood in pine (standard) and sapele matching the interior wood species in either permanent or removable style 5¹/₈" or 7¹/₈" wide divided lite patterns only. Removable style not available in 1 1¹/₄" and 1 1¹/₂" widths.
- Removable wood grilles available in 5¹/₈" or 7¹/₈" wide classic double stepped profile matching window interior wood species in pine (standard) and sapele in a wide array of standard or custom divided lite patterns only.
- In-glass aluminum "GBG" (Grille Between the Glass) muntins are available in 5¹/₈" flat profile or 7¹/₈" contoured profile in all standard exterior cladding color finishes for dust free easy cleaning. Available in either divided lite or diamond patterns.
- Combo wood-aluminum: 5¹/₈" flat profile or 7¹/₈" contoured in-glass aluminum muntin with either permanently applied (see SDL) or removable wooden interior wood grille in pine (standard) and sapele.

ACCESSORIES

- Brickmoulds available in over a dozen different profiles.
- Optional 1 3¹/₄" historic sill in pine (standard), sapele or cPVC.
- A standard zero clearance mullion is used for factory mulling of windows without increasing the combined unit dimension of the windows mulled.
- Interior wooden mullion covers in pine (standard) and sapele are provided loose.
- 1¹/₁₆" interior wooden jamb extension in pine are factory applied to the perimeter of the window and are available in custom sizes to provide an overall jamb depth up to 9".

THERMAL PERFORMANCE

Glass	U-Factor			R-Value			No Grids		Grids <1"		TDL Grids		CRF
	No Grids	<1" Grids	TDL Grids	No Grids	<1" Grids	TDL Grids	SHGC	VT	SHGC	VT	SHGC	VT	
Cardinal® LoE ² -270	0.2800		0.33	3.571		3.030	0.28	0.50	0.25	0.44	0.22	0.39	58
Cardinal® LoE ² -270 + LoE-i89	0.2500		0.30	4.000		3.333	0.27	0.48	0.24	0.43	0.22	0.38	48

Cardinal® LoE²-270 = 3 mm LoE²-270 (position #2) / Argon / 3 mm Clear

Cardinal® LoE²-270 + LoE-i89 = 3 mm LoE²-270 (position #2) / Argon / 3 mm LoE-i89 (position #4)

STRUCTURAL PERFORMANCE

TEST SPECIMAN	AIR INFILTRATION	PERFORMANCE CLASS-GRADE
44.00" × 75.75" (1118 mm × 1924 mm)	0.14 ^{cfm} /ft ²	LC-40

SHAPES

Arched Casing & Frame	Arched Glass, Square Frame	Arched Casing & Glass, Square Frame	Extended Left	Extended Right
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