DHW250 *(EW200)*

All-Wood • Eclipse Premium Double-Hung • Pocket Insert Replacement Frame

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.
- Blind stop and sill 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 11⁄16″ 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 a sash pocket type installation from the exterior (existing blindstop may need to be trimmed). Exterior window height is 13⁄16″″ greater than interior.
- 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 kiln dried ponderosa pine, treated with a water repellant preservative to protect from rot and insects. Also available in sapele.
- Sash wood parts are of kiln dried ponderosa pine, treated with a water repellant preservative to protect from rot and insects. Also available in sapele.
- Sash wood 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 widths 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.
- Interior features a concealed jambliner giving the appearance of a traditional wood window.

HARDWARE

- Hardware available in these following styles: Traditional, Restoration II and Eclipse.
- Eclipse hardware - Combination locking and tilting hardware system. Tilt feature is activated via an internal tie-bar mechanism concealed within the lower meeting rail eliminating the need for surface mounted tilt latches providing a cleaner, more traditional appearance. Dual locks standard on units under 50″ wide; triple locks standard on units over 50″ wide. Sash lifts standard at bottom rail.
- Traditional and Restoration II hardware - 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), Oil Rubbed Bronze (Plated) and Satin Nickel (Plated).
- Restoration II style hardware is available in these finishes: White (Painted), Black (Painted), Oil Rubbed Bronze (Plated), Antique Brass (Plated) and Satin Nickel (Plated).
- Eclipse style hardware is available in these finishes: White (Painted), Beige (Painted), Black (Painted), Oil Rubbed Bronze (Plated) and Satin Nickel (Plated).
- The Ultra-Fit system includes jamb adjusters which are anchored in an aluminum channel reinforcement to provide jambliner adjustment to remove any bowing or hour-glassing.

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.
- Class V Ultra-Lift® balances for units in which the sash weighs ≥ 45 lbs.

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 styles / jambliner.

GLASS

- Standard clear 11⁄16″ thick insulating glass, consisting of “double strength” 1⁄8″ (3 mm) annealed glass, 7⁄16″ air space using the Tremco™ EnerEDGE® warm-edge, dual-seal silicone foam spacer (dark charcoal), hermetically sealed with hot melt butyl.
- Glass also available in these thicknesses: 5⁄32″ (3.9 mm) with 3⁄8″ air space, 3⁄16″ (4.7 mm) with 5⁄16″ air space and 7⁄32″ (5.7 mm) with 1⁄4″ air space.
- Other glazing options include Cardinal® LoĒ^2-270 and with obscure, tempered, laminated, bronze or grey tint. Decorative glass also available. Cardinal® LoĒ^2-270 + LoĒ-i89 is available only in annealed and tempered.

INSECT SCREENS

- Standard half screen of .019″ thick extruded aluminum.
- Optional full screen of .019″ thick roll-formed aluminum.
- Optional interior sliding half screen of .050″ thick extruded aluminum.(Requires 5″ jamb pocket.)
- Standard colors available: White, Bronze, Earthtone, Beige, Black and Hunter Green and meet the physical test requirements of AAMA 2603. 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 5⁄8″, 7⁄8″, 1¼″ or 1½″ wood (optional cPVC) muntin profile permanently applied to exterior of the insulated glass. cPVC exterior grille is not available if the wood species of the window is sapele. 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 anodized 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 5⁄8″ or 7⁄8″ wide divided lite patterns only. Removable style not available in 1¼″ and 1½″ widths.
- True Divided Lites (TDL): Available in 1⅛″ in pine and sapele. TDL bar has the look of historically accurate true putty glazing.
- Removable wood grilles available in 5⁄8″ or 7⁄8″ 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 5⁄8″ flat profile or 7⁄8″ profile profile in all standard exterior cladding color finishes for dust free easy cleaning. Available in either divided lite or diamond patterns.

ACCESSORIES

- 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

		Cardinal® LoĒ²-270	Cardinal® LoĒ²-270 + LoĒ-i89
No Grids	U-Factor	0.28	0.25
	R-Value	3.6	4.0
	Solar Heat Gain Coefficient	0.28	0.27
	Visible Transmittance	0.50	0.49
<1″ Grids	Solar Heat Gain Coefficient	0.25	0.24
	Visible Transmittance	0.44	0.43
True Divided Lite Grids	U-Factor	0.33	0.31
	R-Value	3.03	3.23
	Solar Heat Gain Coefficient	0.22	0.22
	Visible Transmittance	0.39	0.38
Condensation Resistance Factor		57	47

STRUCTURAL PERFORMANCE

- Test speciman: 44.00″ × 75.75″ (1118 mm × 1924 mm)
- Air infiltration: 0.14 cfm/ft²
- Performance-Class Grade: LC-40