

DOUBLE-HUNG

PRODUCT SELECTION GUIDE

Size and Performance Data

Sound Transmission Class / OITC



	Clad
SIZES	
Standard double-hung vent/fixed sizes	●
Transom sizes	●
Egress sizes	●
Special sizes available	●
PERFORMANCE ¹	
Meets or Exceeds AAMA/WDMA Ratings	H-LC30-LC50 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure) ²	0.11
Water Resistance	7.5 psf
Design Pressure	30–50 psf
OTHER PERFORMANCE CRITERIA	
Forced Entry Resistance Level (Minimum Security Grade) ³	10
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ⁴	40/40

SOUND TRANSMISSION CLASS AND GRADE

Product	Frame Size Tested ⁵	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness (HGP)		
PELLA 450 SERIES CLAD DOUBLE-HUNG	37" x 59"	11/16"	2.5mm	2.5mm	–	25	22

(–) = Not Available

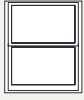
(1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values.

(2) Published performance data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless noted. Actual product performance may vary for a number of reasons including installation and product care.

(3) The higher the level, the greater the product's ability to resist forced entry.

(4) Glazing configurations may result in higher operational forces.

(5) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.
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Features and Options



STANDARD	OPTIONS / UPGRADES
GLAZING	
Glazing Type	
Dual-Pane Insulating Glass	–
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
Additional Glass Options	
Annealed Glass	Tempered Glass
	Obscure Glass ₁
Gas Fill/High Altitude	
Argon	High altitude (Air-filled only)
EXTERIOR	
EnduraClad® protective finish	–
Cladding Colors	
10 Standard colors ₁	–
INTERIOR	
Unfinished wood	Factory primed
	Factory prefinished paint ₁
	Factory prefinished stain ₁
WOOD TYPES	
Pine	–
HARDWARE	
Finishes	
Champagne, White or Brown	Bright Brass, Satin Nickel or Oil-Rubbed Bronze
Sash Locks/Sash Lifts	
Cam-action lock	Sash lifts ₂
Tilt-Wash Cleaning	
Tilt to interior on both sashes	–
GRILLES	
Roomside Removable Grilles	
–	Traditional
Grilles-Between-the-Glass	
–	Traditional, Prairie, Cross, Top Row ₁ , Custom-Equally Divided
Simulated Divided Light with Optional Spacer₃	
–	Traditional, Prairie, Cross, Top Row, Custom-Equally Divided
SCREENS	
–	Full-Size InView™ screens and Vivid View® screens

(1) Contact your local Pella sales representative for current color options.

(2) Sold separately for Pella® 450 Series double-hung windows.

(3) Available with Low-E argon-insulated glass only.