



NEW CONSTRUCTION WINDOW SOLUTIONS GUIDE



SIDE-LOAD
SERIES 105 SH



TILT-SASH
SERIES 130 SH



Series 160 available
with no J channel
PREMIUM
SERIES 150 SH



Series 460 available
with no J channel
ADVANCED
SERIES 450 DH



Available with
Integral Nail Fin
ULTIMATE
SERIES 3900 DH

KEY STRUCTURAL/PERFORMANCE FEATURES

Design Pressure Rating (Structural Rating)	DP-50	DP-50	DP-50	DP-35 (Series 455 available with DP-50)	DP-60
Window Core	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Fiberglass Insulcore
Air Infiltration	0.01	0.13	0.26	0.02	0.08
Glass Thickness	3/4	3/4	3/4	3/4	3/4
U-Value Low-E Argon	0.31	0.32	0.32	0.32	0.29
U-Value Ultra Low-E Argon	0.30	0.29	0.30	0.29	0.29
Standard Spacer	Intercept	Intercept	Intercept	Intercept	Intercept
Standard Spacer with Ultra Low-E	Duralite	Duralite	Duralite	Duralite	Intercept

FRAME FEATURES / OPTIONS

Welded Sash and Frame	Yes	Yes	Yes	Yes	Yes
True WM180 Brickmold	No	No	Yes	Yes	No
Integral Nail Fin	Yes	Optional	Yes	Yes	Optional
Integral J Channel	No	Optional	Yes	Yes	No
J Channel Depth	N/A	.625	.625	.75	N/A
3-1/2" Flat Casing	N/A	N/A	N/A	Optional	N/A
Sill Design	True Slope	Step	True Slope	True Slope	True Slope
Equal Sight Line Sashes	No	No	No	Yes	Yes
Sash Profile	Square	Square	Square	Rounded	Decorative
Weep Holes in Frame	No	No	No	No	No
Balance Type	Block & Tackle	Block & Tackle	Block & Tackle	Block & Tackle	Coil
Balance Covers	N/A	N/A	N/A	N/A	Yes
2 Sash Locks over 27-1/4"	Yes	Yes	Yes	Yes	Yes
Window Opening Control Device	Optional (field applied)	Optional (factory applied)	Optional (field applied)	Optional (factory applied)	Optional (factory applied)
Applied 4-9/16 or 6-9/16 FJ Primed Extension Jamb	Optional	No	Optional	Optional	Optional
Applied 4-9/16 or 6-9/16 Clear Pine Extension Jamb	Optional	No	Optional	Optional	Optional

SCREENS

1/2 Screen Material	Roll Form	Roll Form	Roll Form	Roll Form	Extruded
Full Screen Material	N/A	N/A	N/A	Extruded (optional)	Extruded
Standard Screen Size	Half	Half	Half	Half (Extruded optional)	Full

COLOR OPTIONS

Solid White	Yes	Yes	Yes	Yes	Yes
Solid Almond	Yes	Yes	Yes	Yes	Yes
Solid Clay	N/A	Yes	Yes	Yes	N/A
Painted Colors	N/A	9	9	9	9
Wood Laminates	N/A	N/A	N/A	N/A	3
Exterior Bronze Laminate	N/A	Optional	N/A	N/A	N/A

WARRANTY

Glass Warranty	25 Year	25 Year	25 Year	25 Year	Lifetime
General Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Glass Breakage and Labor Warranty	N/A	Optional	Optional	Optional	Lifetime
Labor Warranty	N/A	Optional	Optional	Optional	Optional



GLOSSARY OF TERMS

Air Infiltration	The amount of air leaking in and out of a building through cracks in walls, windows and doors. Windows are tested by independent labs at a 25 MPH force. The leaking air is measure in cubic feet per minute. The industry standard is less than .30 or 30% of a cubic foot of air. ReliaBilt windows can be as low as .08 for our 3900 series windows.
Argon	A gas that is heavier than air and can be used to fill the airspace of an insulated glass unit. Argon is a safe, colorless, odorless, tasteless, non-toxic gas, which is six times denser than air. Argon increases the insulating value of an insulated glass unit as well as improves sound insulation.
Design Pressure	The pressure a product is designed to withstand. This value is a measure of a product's capacity to withstand the forces of wind loading, in both positive and negative directions, while it is closed and locked. The higher the DP rating the more structurally sound the window will be. ReliaBilt boasts the industry's highest rating on any Vinyl Double Hung: DP-60.
ENERGY STAR®	A government-backed program helping businesses and individuals protect the environment through the use of high-efficiency products. ENERGY STAR® qualifying products, such as windows and doors, mean these items use less energy, save money and help protect the environment in the specified region.
Insulated Glass (IG)	A combination of two or more panes of glass hermetically sealed with optimal air space for energy efficiency. This space may or may not be filled with an inert gas, such as argon.
Low-E (Emissivity) Glass	Glass treated with a thin transparent coating of metal oxide and silver. Allows natural light and short-wave heat energy to freely penetrate glass during the winter while reflecting long-wave heat energy back outside during the summer months. Keeps your home cool in the summer and warm in the winter. It reduces the penetration of ultraviolet rays to minimize fading of carpet and draperies.
R-Value	Resistance to thermal transfer or heat flow. Higher R-Value numbers indicate greater insulating value. It is the inverse of the U-Value ($R=1/U$).
U-Value (U-Factor)	The rate of heat transfer through a window or door. The lower the U-value, the better the insulating properties of the unit or glazing system.
Weather Stripping	Variously shaped metal, vinyl, plastic or fiber strips that fit tightly against the window or doorframe to resist air infiltration through cracks.
Wind Load	Force extended on a surface by moving air. ReliaBilt products are the industries strongest rated in correlation with our High DP ratings. The higher the wind capacity the stronger the window will be.
Warm Edge Glass	The spacing system between the panes of glass with properties that conduct less than standard aluminum spacers that touch the glass without a thermal break.