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Riverside (Lee) High School - Jacksonville, FL

YVS 410 TU

Thermally Broken Hung Window for Insulating Glass

The **YVS 410 TU** thermally broken hung windows are designed to capture the side rails of the sash, providing a higher level of security and dependability for both new construction and renovation projects. Optional SecureSweep sweep locks incorporate a special security latch to prevent tampering from the outside. This window is designed to have larger sashes and sideloads than the YVS 400 TU, but does not include the tilt sash option.

- Integrates easily with YSW 400 T Horizontal Sliding Window and YFW 400 TU Fixed Windows using the same stacking mullions.
- Standard Heavy Duty Hardware and auto sill locks with optional SecureSweep locks
- Thermally broken using ThermoBond Plus®
- Full selection of block & tackle, spiral, and Class 5 Ultra-Lift® balances
- Full assortment of receptors, sill flashing, stacking mullions, panning, trim, & muntins
- Tested for Forced Entry
- Single/Double Hung: AW Performance Grade 65

UltraLift® is a registered trademark of Caldwell Manufacturing

Thermal Values:

U-Factor:	Values as low as 0.45*
CRF:	Minimum 51 frame and 72 glass

*Based on AAMA 507. Lower values may be achieved through further simulation.

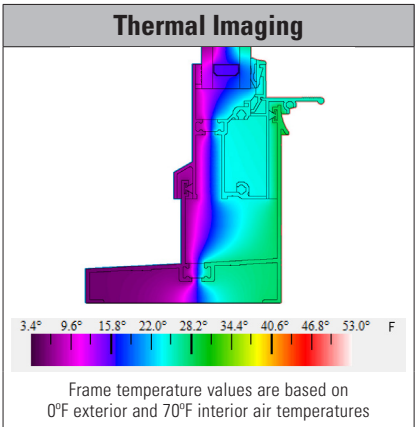


YVS 410 TU SPECS		
Base Depth	4"	
Sightline	2-5/16" Frame & 2-3/4" Mid	
Config	Single-Hung or Double-Hung	
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.23 CFM/FT ² (5.5 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	Static Operable: 13 PSF (622 Pa) Static Fixed: 15 PSF (718 Pa)	ASTM E 331 AAMA 501
Acoustical (1" IGU)	Standard STC: 31 Standard OITC: 24	ASTM E 90 ASTM E 1425
	Laminated STC: 36 Laminated OITC: 31	

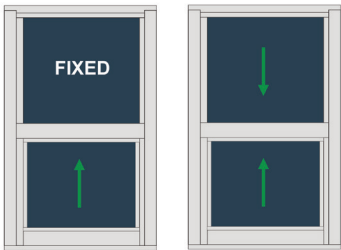
Thermal Performance								
Window Config	U-Factor - BTU/hr·ft ² ·°F						CRF	
4" Single-Hung	0.52	0.51	0.49	0.48	0.47	0.45	51	72
4" Double-Hung	0.53	0.52	0.51	0.50	0.49	0.47	54	75
Center of Glass	0.30	0.28	0.26	0.24	0.22	0.20	Frame	Glass
AAMA 507							AAMA 1503	

Finish Options	
Type	Standard
Factory Anodized	AAMA 612
Organic Paints	AAMA 2604 AAMA 2605

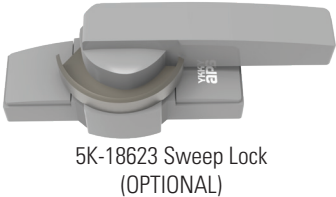
Structural Performance
AAMA/WDMA/LS-2-97
Single/Double Hung: AW Performance Grade 65
Fixed: AW Performance Grade 100



Configurations



Hardware Options



E1-1755 UltraLift®
Class 5 Balance
(STANDARD)

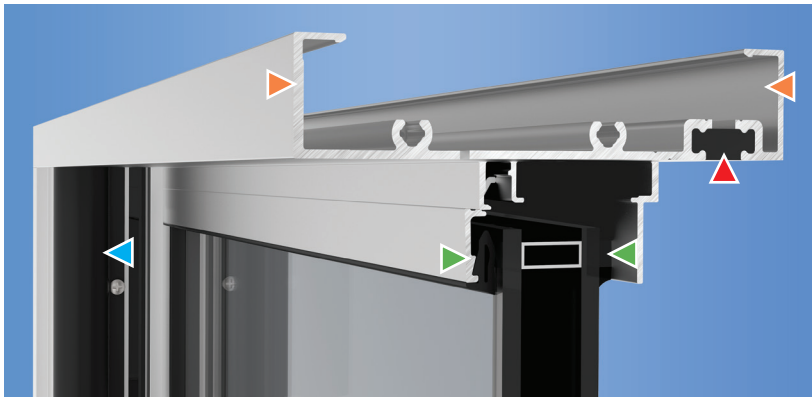


E1-1757 Spiral
Balance
(OPTIONAL)



E1-1765 Block &
Tackle Balance
(OPTIONAL)

A Closer Look at the System



YVS 410 TU Design Features

- Equal Legs on Frame for Easy Installation in New Construction or Renovations
- Weatherproof tight sealed gasket on Exterior and Silicone bead glazing for Interior
- ThermaBond Plus® Thermal Break for Superior Thermal Performance
- PVC limit stopper device installed on the rails

Additional information including CAD details, CSI specs, test reports and installation instructions are found on the Product Guide by clicking this link or visiting www.ykkap.com/commercial/productguide