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Spring Mills High School - Martinsburg, WV

YVS 400 TU

Thermally Broken Hung Window for Insulating Glass

The **YVS 400 TU** thermally broken hung window is designed to tilt in for easy cleaning of the exterior glass surfaces from the inside of the building without removing the sash. To reduce the possibility of injury while cleaning the glass surfaces, optional SafeSupport tilt arms are available on each side of the sash. Optional SecureSweep sweep locks incorporate a special security latch to prevent tampering from the outside.

- Integrates easily with YSW 400 T Horizontal Sliding Window and YFW 400 TU/TUH 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
- Factory glazing and screens available
- Full assortment of receptors, sill flashing, stacking mullions, panning, trim, & muntins

UltraLift® is a registered trademark of Caldwell Manufacturing

Thermal Values:

U-Factor:	Values as low as 0.44*
CRF:	Minimum 51 frame and 72 glass

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

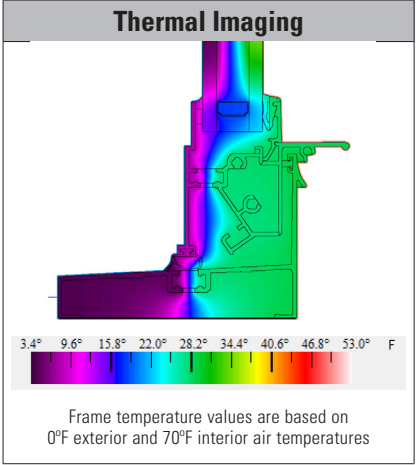


YVS 400 TU SPECS		
Base Depth	4"	
Sightline	2-5/16" Frame & 2-3/4" Mid	
Config	Single-Hung or Double-Hung	
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.10 CFM/FT ² (1.85 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	Static Operable: 12 PSF (575 Pa) Static Fixed: 15 PSF (718 Pa)	ASTM E 331 AAMA 501
Acoustical (1" IGU)	Standard STC: 30 Standard OITC: 23	ASTM E 90 ASTM E 1425
	Laminated STC: 31 Laminated OITC: 24	

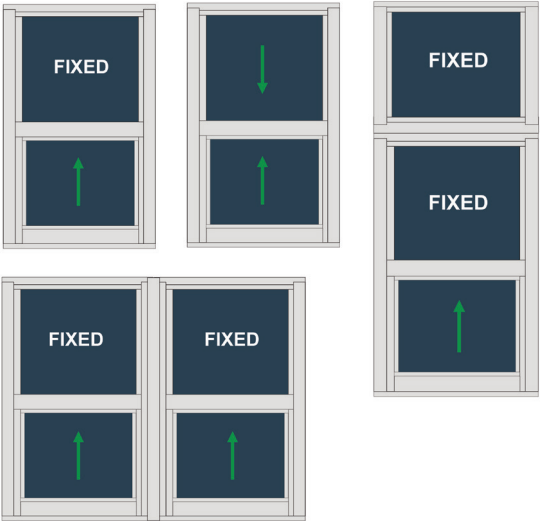
Thermal Performance								
Window Config	U-Factor - BTU/hr·ft ² ·°F						CRF	
2-5/16" x 4"	0.51	0.49	0.48	0.47	0.45	0.44	51	72
Center of Glass	0.30	0.28	0.26	0.24	0.22	0.20	Frame	Glass
AAMA 507							AAMA 1503	

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

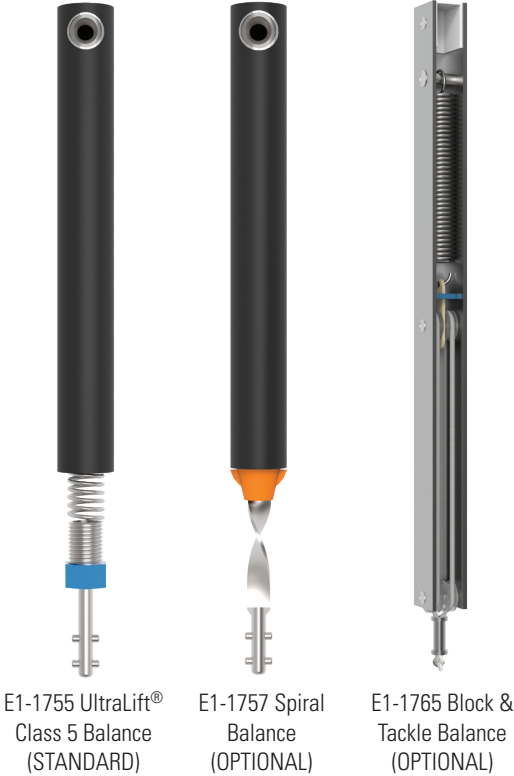
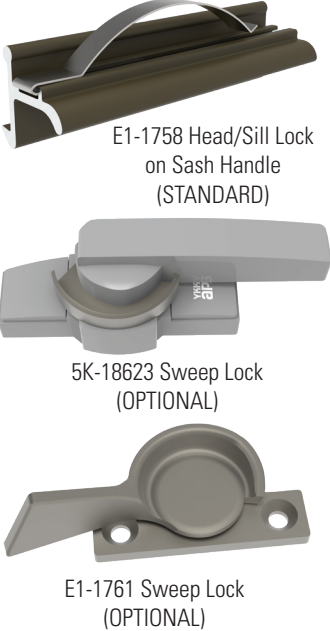
Structural Performance
AAMA/WDMA/LSI-97 AW Performance Grade 50



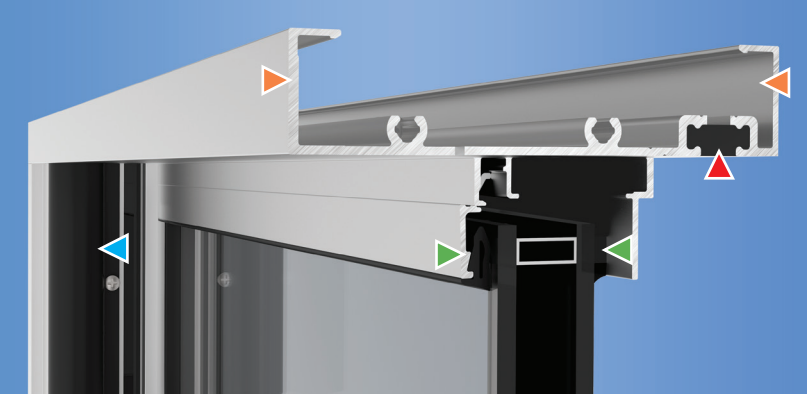
Configurations



Hardware Options



A Closer Look at the System



YVS 400 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