YKK ap®

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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 windows 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 Fixed Windows using the same stacking mullions.
- Standard Heavy Duty Hardware and auto sill locks with optional SecureSweep locks
- Thermally broken using ThermaBond 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
- AW Performance Grade 50

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:** 10 PSF (478 Pa) **Dynamic Operable:** 10 PSF (478 Pa)	ASTM E 331 ASTM E 547
Acoustical (1" IGU)	**Standard STC:** 30 **Standard OITC:** 23	ASTM E 90 ASTM E 1425
	Laminated STC: 35 **Laminated OITC:** 30	

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	

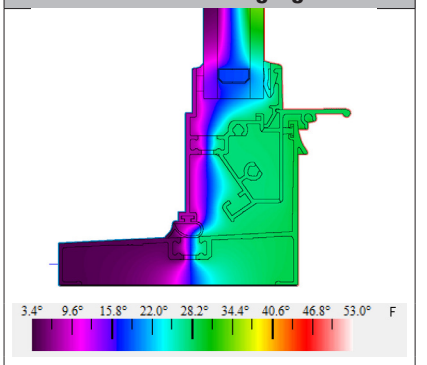
Finish Options

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

Structural Performance

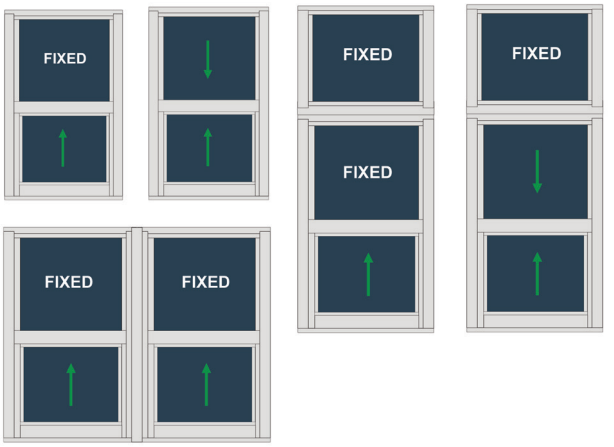
AAMA/WDMA/I.S.2-97
AW Performance Grade 50

Thermal Imaging

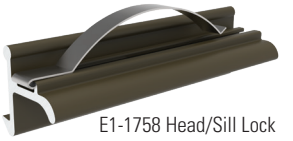


Frame temperature values are based on
0°F exterior and 70°F interior air temperatures

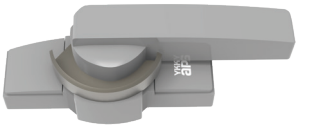
Configurations



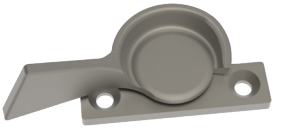
Hardware Options



E1-1758 Head/Sill Lock
on Sash Handle
(STANDARD)



5K-18623 Sweep Lock
(OPTIONAL)



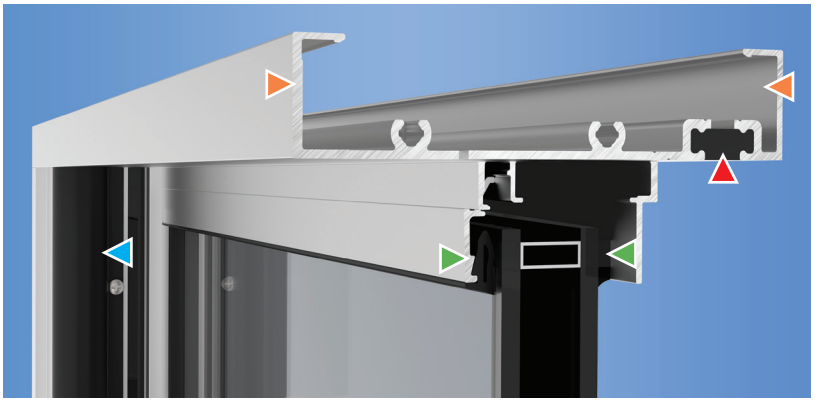
E1-1761 Sweep Lock
(OPTIONAL)

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 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

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**

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