YVS 400 TU

Thermally Broken Hung Window with Monolithic or Insulating Glass

OPERABLE WINDOWS

Safety and Performance

The YVS 400 TU 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 SafSupport tilt arms are available on each side of the sash. YKK AP's ThermaBond Plus® poured and de-bridged system provides superior thermal performance. Optional SecurSweep sweep locks incorporate a special security latch to prevent tampering from the outside.

Product Options & Features

- AAMA/WDMA/CSA 101/I.S. 2-97
  - AW-50 (Operable and Fixed)
- Full selection of block & tackle, spiral, and Class 5 Ultra-Lift® balances
- Standard Heavy Duty Hardware and auto sill locks
- Optional SecureSweep sweep locks
- Factory glazing and screens available
- Full assortment of receptors, sill flashing, stacking mullions, panning, trim, & muntins
- ThermaBond Plus® thermal break

U-Factor **Values as low as 0.44***

CRF **Minimum 51**frame **& 72**glass

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

YKK AP® Quality inspires®

YVS 400 TU

SYSTEM SPECIFICATIONS

Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Acoustical Performance
4"	Insulating & Single Hung or Double Hung	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.10 CFM/FT² (5.5m³/h·m²) @ 6.24 PSF (299 Pa)	**Static Operable:** 12 PSF (575 Pa) **Static Fixed:** 15 PSF (718 Pa)	**Std STC:** 30 **Std OITC:** 23 / **Lam STC:** 31 **Lam OITC:** 24
Testing Standards			ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & 1332
Structural Performance			AAMA/WDMA/I.S.2-97 AW Performance Grade 50		
Available Finishes			Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)		

Thermal Performance						
1" IGU						**BTU/hr•ft2•°F**
C.O.G U-Factor	0.30	0.28	0.26	0.24	0.22	0.20
4" Single Hung	0.51	0.49	0.48	0.47	0.45	0.44
Testing Standards	AAMA 507					

CRF	
Frame	**Glass**
51	72
AAMA 1503	

HARDWARE OPTIONS

Auto Sill Lock

Sweep Locks (OPTIONAL)

Class 5 Balance

THERMALLY BROKEN

ThermaBond Plus® process is a pour and debridged process that greatly improves the adhesion of the polyurethane material to the aluminum extrusion. Combining science and technology, ThermaBond Plus® process resolves the problem of adhesion and the resulting dry shrinkage associated with typical poured and debridged systems.

Spring Mills High School - Martinsburg, WV

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:
www.ykkap.com/commercial/product/architectural-windows/yvs-400-tu/

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