

# YVS 410 TU

Thermally Broken Hung Window with Insulating Glass



## OPERABLE WINDOWS

### Style and Performance

The YVS 410 TU Hung Window is designed to capture the side rails of the sash, providing a high level of security and dependability for both new construction and renovation projects. The use of YKK AP's ThermaBond Plus® pour and debridge system provides superior thermal qualities and a patented process to prevent dry shrinkage. A full selection of quality block and tackle, spiral, and Class 5 Ultra-Lift® balances are available. Optional SecurSweep sweep locks are available that incorporate a special security latch to prevent tampering from the outside.

### Product Options & Features

- AAMA/WDMA 101/I.S. 2-97 and NAFS-1
  - ◆ AW-65
- ThermaBond Plus® thermal break
- Accepts 1" glazing
- Factory glazing & screens
- Full selection of block & tackle, spiral, and Class 5 Ultra-Lift® balances
- Automatic Sill Locks
- Optional SecureSweep sweep locks and SafeSupport tilt
- Full assortment of receptors, sill flashing, stacking mullions, panning, trim, & muntins

Ultra-Lift® is a registered trademark of Caldwell Manufacturing Co. LLC.



Quality  
inspires®



# YVS 410 TU

## SYSTEM SPECIFICATIONS

Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Thermal Performance	Acoustical Performance
4"	Insulating & Single Hung or Double Hung	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.23 CFM/FT <sup>2</sup> (5.5m <sup>3</sup> /h·m <sup>2</sup> ) @ 6.24 PSF (299 Pa)	<b>Static Operable:</b> 13 PSF (622 Pa) <b>Static Fixed:</b> 13 PSF (622 Pa)	<b>Single Hung U-factor:</b> 0.50 BTU/HR·FT <sup>2</sup> ·°F* <b>Double Hung:</b> 0.53 BTU/HR·FT <sup>2</sup> ·°F* <b>Single Hung CRF:</b> Minimum of 51 on frame** <b>Double Hung:</b> Minimum of 54 on frame**	<b>Std STC:</b> 36 <b>Std OITC:</b> 31  <b>Lam STC:</b> 36 <b>Lam OITC:</b> 30
<b>Testing Standards</b>			ASTM E 283	ASTM E 331 & AAMA 501	* NFRC 102 & ** AAMA 1503	ASTM E 90 & 1332
<b>Product Testing</b>			AAMA/WDMA/CSA/101/I.S. 2/440-17 AW Performance Grade 65			
<b>Available Finishes</b>			Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)			

## HARDWARE OPTIONS



Auto Sill Lock



Sweep Locks (OPTIONAL)



Class 5 Balance

## GRID AND PANNING



The first image shows the combination of panning and fixed windows. The second image shows triple hung window openings. The panning shipped in stock lengths and was custom mitered prior to installing the panning.

## 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.

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:  
[www.ykkap.com/commercial/product/architectural-windows/yvs-410-tu/](http://www.ykkap.com/commercial/product/architectural-windows/yvs-410-tu/)