

# YOW 225 TUH

Thermally Broken, Impact Resistant and Blast Mitigating Operable Window

ProTek



YKK AP Hurricane & Blast Solutions

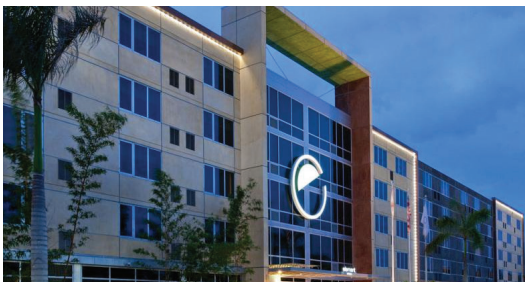
## Optimal Performance & Protection

The performance boosting YOW 225 TUH windows now feature expanded installation options to help increase school security over the standard safety glazing methods.

Product specifications for YOW 225 TUH include openings to 7'-9" tall singles and doubles, or continuous window runs with stacking mullions. For larger openings, the operating windows can be installed in YKK AP impact rated store front and curtain wall systems. The most cost effective and weather resistant configuration is a double casement in a master frame featuring a reduced sight line and no secondary penetrations of mullions or sill starter.

## Product Options & Features

- Configs: Casement Out, Project Out & Fixed
- Meets IBC requirements for all wind zones
- Florida Product Approvals 16312, 16313, 16314 HVHZ and Wind Zone 3 (WZ 3)
- Accepts 1" insulating glass
- Factory glazing and screens
- Heavy Duty Hardware Standard
- Multi-Point Hardware Standard on Casements
- Large Missile: .090" PVB Small Missile: .060" PVB



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# YOW 225 TUH

## SYSTEM SPECIFICATIONS

Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Thermal Performance	Acoustical Performance
2-1/4"	Laminated & Casement Out, Project Out or Fixed	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.04 CFM/FT <sup>2</sup> (0.07 m <sup>3</sup> /h·m <sup>2</sup> )	Static Operable: 12 PSF (575 Pa) Static Fixed: 15 PSF (718 Pa)	Operable U-factor: 0.52 BTU/HR·FT <sup>2</sup> ·°F Fixed: 0.39 BTU/HR·FT <sup>2</sup> ·°F* Operable CRF: Minimum of 55 on frame Fixed: Minimum of 57**	Operable STC: 34 Operable OITC: 27  Fixed STC: 32 Fixed OITC: 27
Testing Standards			TAS 202 & ASTM E 283	ASTM E 331 & AAMA 501	* NFRC 102 & ** AAMA 1503	ASTM E 90 & 1332

### Product Testing

Large & Small Missile, IBC WZ 3 & 4, HVHZ, AW-65 Operable, AW-100 Fixed, ASTM 1886/1996, TAS 201 & 203

### Available Finishes

Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)

## WINDOW FEATURES

The YOW 225 TUH is thermally broken with Thermabond Plus® technology developed by YKK AP. Optional Frame Multi-Point Locking System offers greater ease of operation and egress, eliminating difficult-to-reach cam handles on larger units. Receptor and sill starter system speeds installation from the exterior or interior while improving reliability of water and seismic performance. Other approved anchoring options include Through Frame, Trim & Clip, Edge Clip & Strap Anchor.

	Casement Hardware Options	Max. Vent Size	Max. Design Pressure	Wind Zone
Lock Options	Cam Handles	36" x 60"	+/- 65 psf	4 - HVHZ
	Multi-Point Lock	36" x 60"	+/- 65 psf	4 - HVHZ
	Frame Multi-Point Lock	42" x 72"	+/- 80 psf	4 - HVHZ
	Frame Multi-Point Lock	48" x 72"	+/- 65 psf	2,3
Hinge Options	Butt Hinge	42" x 72"	+/- 80 psf	4 - HVHZ
	16" 4-Bar Hinge	36" x 60"	+/- 65 psf	4 - HVHZ
	12" 4-Bar Hinge	36" x 72"	+/- 80 psf	4 - HVHZ

## WINDOW HARDWARE



Cam Handle (Standard)



Multi Point Handle



Roto Operator Crank Handle - Project



Roto Operator Crank Handle - Casement



Roto Operator - Project



Roto Operator - Casement



Lee High School - Jacksonville, FL

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:

[www.ykkap.com/commercial/product/architectural-windows/yow-225-tuh/](http://www.ykkap.com/commercial/product/architectural-windows/yow-225-tuh/)