YOW 225 TUH

Thermally Broken, Impact and Blast Resistant Operable Window





YKK AP Hurricane & Blast Solutions

Optimal Performance and 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 and Fixed
- Meets IBC requirements for all wind zones
- Florida Product Approvals 16312, 16313, 16314
 HVHZ and Wind Zone 3 (WZ 3)
- Factory glazing and Screens

CRF

- Heavy Duty Hardware Standard
- Multi-Point Hardware Standard on Casements
- Large Missle: .090" PVB Small Missile: .060" PVB

U-Factor Values as low as 0.32*

Minimum 48frame & 59alass

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

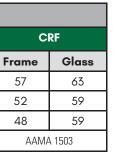






SYSTI	EM SPECIFI	CATIONS		YOW	225 TUH			
Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Acoustical Performance			
2-1/4"	Laminated & Casement Out,	1-1/16" Lam. IGU with Low-E (C.O.G. U-factor: 0.29)	0.04 CFM/FT ² (0.07 m³/h·m²)	Static Operable: 12 PSF (575 Pa)	Operable STC: 34 Operable OITC: 27			
	Project Out or Fixed			Static Fixed: 15 PSF (718 Pa)	Fixed STC: 32 Fixed OITC: 27			
Testing Standards			TAS 202 & ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & 1332			
Product Testing			Large & Small Missle, 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)					

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		Fr	
Fixed	0.40	0.38	0.37	0.35	0.34	0.32			
Project Out	0.53	0.52	0.51	0.50	0.49	0.48			
Casement Out	0.52	0.51	0.50	0.49	0.48	0.47			
Testing Standards	AAMA 507								



Max.

Vent Size

36" x 60"

36" x 60"

42" x 72"

48" x 72"

42" x 72"

36" x 60"

36" x 72"

Casement Hardware

Options

Frame Multi-Point Lock

Frame Multi-Point Lock

Cam Handles

Butt Hinge

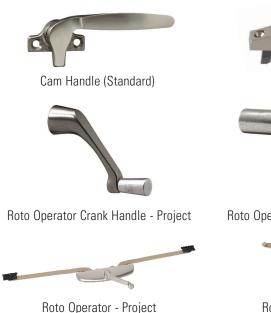
Multi-Point Lock

16" 4-Bar Hinge

12" 4-Bar Hinge

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.

WINDOW HARDWARE





Options

Hinge Options

Lock

Multi Point Handle



Roto Operator Crank Handle - Casement



Roto Operator - Casement



Max. Design

Pressure

+/- 65 psf

+/- 65 psf

+/- 80 psf

+/- 65 psf

+/- 80 psf

+/- 65 psf

+/- 80 psf

Wind Zone

4 - HVHZ

4 - HVHZ

4 - HVHZ

2 and 3

4 - HVHZ

4 - HVHZ

4 - HVHZ

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/