# YOW 350 XT

High Performance and Thermally Broken Operable Window



# **Outstanding Thermal Performance**

The YOW 350 XT maximizes energy performance while using a standard 1", low E insulating glass. This factory glazed window system has an overall depth of 3-1/2" and is thermally broken by a combination of innovative MegaTherm<sup>®</sup> Thermal breaks and gaskets designed with multiple air chambers for exceptional thermal insulation. This innovative design improves occupant comfort and condensation resistance by warming interior framing temperatures significantly over traditional window systems used in cold climates.

## **Product Options & Features**

- Up to 30% greater energy efficiency than traditional thermally broken windows and accepts a variety of glazing options, spacers and gas fills for even more efficiency
- Fixed, Casement Out and Project Out options
- AW-PG80 and PG100 approved designs
- YKK AP Euro Style Multi-Point Lock Handle
- Head / Jamb receptors and Sill Flashing
- Panning, Trim and Accessories

# Values as low as 0.27/0.31/0.31\* CRF Minimum 75 frame & 64glass \*Based on AAMA 507. Lower values may be achieved through futher simulation.







# Y0\// 350 XT

SYSTE	M SPECIF	ICATIONS			TUVV	<b>JJU VI</b>		
Base Depth	Config	Glazing Type	Glass	Air Infiltration	Water Infiltration	Acoustical Performance		
3-1/2"	Fixed, Casement Out and Project Out	Insulating	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.10 CFM/FT <sup>2</sup> @ 6.24 PSF (299 Pa)	<b>Static:</b> 15 PSF (718 Pa)	<b>Std STC:</b> 32 <b>Std OITC:</b> 26		
					<b>Dynamic:</b> 15 PSF (718 Pa)	Lam STC: 37 Lam OITC: 30		
Testing Standards			ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & 1425			
AAMA/WDMA/CSAA 101/I.S. 2/A 440				AW-PG100 for Fixed AW-PG80 for Operable, Fixed/Fixed, and Fixed/Operable				
Available Finishes				Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)				

CRF

Frame

77

75

76

Thermal Performance										
1" IGU with LowE				BTU/hr•ft2•°F						
C.O.G U-Factor	0.30	0.28	0.26	0.24	0.22	0.20				
Fixed	0.34	0.33	0.31	0.30	0.28	0.27				
Casement (Out)	0.36	0.35	0.34	0.33	0.32	0.31				
Awning (Out)	0.36	0.35	0.34	0.33	0.32	0.31				
Testing Standards	NFRC 100									

Please Inquire about 1-3/4" glazing options for enhanced thermal performance.



Frame temperature comparison values based on 0° exterior, and 70° interior.

#### ZOOM MULLION VIEW

#### **Thermal Struts**

Constructed of Polyamide 6/6 with 25% glass fibers on all three axes, YKK AP's MegaTherm<sup>®</sup> technology delivers high-end thermal and structural durability performance. Its composition delivers a highly effective thermal barrier more than 500 times less conductive than aluminum. Crimped between two aluminum extrusions after the finishing, Megatherm<sup>®</sup> allows for different interior colors than exterior

#### **Foamed Polymer Inserts**

Improve U-factor, Condenstation Resistance Factor, and sound deadening

### **Cavity Gasket**

Reduces air infiltration and improves U-factor and condensation resistance.

#### **Triple Hollow Strut**

Incorporates air baffles to break the convection of energy between the operable and fixed sash, yielding a warmer interior metal surface temperature. Improves "Thermal Comfort" and condensation resistance

### **Air Tight Gasket**

Insulates the air cavities between framing and in the glazing pockets to minimize heat flow when in the closed position and improves U-factor, "Thermal Comfort" and condensation resistance.



Additional information including CAD details, CSI specifications, Test Reports, Fenestration Product Rating Certificates and Installation instructions are available online at: www.ykkap.com/commercial/product/architectural-windows/yow-350-xt/