A High Performance Curtain Wall System for Inside Glazing

Engineered to meet and exceed the most stringent green building codes and standards, the YCW 750 XT IG is an inside glazed high performance curtain wall system utilizing MegaTherm® thermal struts for superior energy efficiency. When inside glazing is not permissible, optional horizontals are available for outside glazing. The insulating glass rests on integrated structural supports, diverting the dead load away from the thermal barriers ensuring long-term structural integrity.

Product Options & Features

- Superior thermal performance using standard 1” insulating glass
- Integrates in building’s air-vapor barrier system
- Optional integral thermally broken sill flashing available
- Dual finish option on the interior and exterior utilizing custom face covers
- Optional SSG vertical member available

U-Factor Values as low as 0.21*

CRF Minimum 78 frame & 72 glass

*Based on AAMA 507. Lower values may be achieved through further simulation.
## SYSTEM SPECIFICATIONS

<table>
<thead>
<tr>
<th>System Sightline</th>
<th>Base Depth</th>
<th>Glazing &amp; Config</th>
<th>Glass</th>
<th>Air Infiltration</th>
<th>Water Infiltration</th>
<th>Acoustical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-1/2”</td>
<td>7-1/2”</td>
<td>Inside &amp; Front Set</td>
<td>1” IGU with Low-E (C.O.G. U-factor: 0.29)</td>
<td>0.06 CFM/FT² (1.10 m³/h·m²) @ 6.24 PSF (299 Pa)</td>
<td>Static: 15 PSF (718 Pa) Dynamic: 15 PSF (718 Pa)</td>
<td>Std STC: 31</td>
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<td>Std OITC: 25</td>
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<td>Lam STC: 36</td>
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<td>Lam OITC: 29</td>
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</tbody>
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### Optional Depths for Glazing
- 1” Glass - 6” to 9”
- 1-1/2” Glass - 6-1/2” to 9-1/2”
- 1-3/4” Glass - 6-3/4” to 9-3/4”
- 2” Glass - 7” to 10”

### Available Finishes
- Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)

### Testing Standards
- ASTM E 283
- ASTM E 331
- AAMA 501
- ASTM E 90
- ASTM E 1425

### Thermal Performance

<table>
<thead>
<tr>
<th>I” IGU with Low-E</th>
<th>BTU/hr·ft²·°F</th>
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<tbody>
<tr>
<td>C.O.G. U-factor</td>
<td>0.32 0.30 0.28 0.26 0.24 0.22</td>
</tr>
<tr>
<td>2-1/2” x 7-1/2”</td>
<td>0.40 0.38 0.36 0.35 0.33 0.31</td>
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### CRF

<table>
<thead>
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<th>Frame</th>
<th>Glass</th>
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<td>78</td>
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### ZOOM MULLION VIEW

- **DUAL THERMAL BARRIER** - Deep Polyamide Struts (6/6 with glass fibers on all three axes)
- **WARMER INTERIOR SURFACES** - Greater occupant comfort and increased resistance to condensation, with CRF values up to B2
- **INTEGRATED STRUCTURAL SUPPORT** - Carry dead load of the insulating glass, diverting load away from polyamide struts

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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/curtain-walls/ycw-750-xt-ig/](http://www.ykkap.com/commercial/product/curtain-walls/ycw-750-xt-ig/)