YHC 300 IG
Impact Resistant and Blast Mitigating, Inside Glazed Curtain Wall

Versatile Performing Curtain Wall

The YHC 300 IG is an inside glazed, high performance curtain wall system designed and tested to meet the most demanding conditions. With varied infill and components, the YHC 300 IG can meet the requirements for Impact Resistance, Blast Mitigation or both. The system features a 3” wide face dimension to permit the glass engagement necessary for higher design pressures and accommodates 1/4” to 9/16” single or 1” to 1-5/16” insulated glazing.

Product Options & Features

- Large and Small Missile
  - Small is Dry Glazed, Large is Wet Glazed
- ASTM E 1886 / 1996, TAS 201-203
  - Tested to +/- 120 psf*
  - Florida State-Wide & HVHZ Product Approval
- Blast Mitigation
  - Meets UFC 4-010-01 standard in accordance with 2007 revisions
  - Model 35H - “Low Hazard” per ASTM F 1642 test @ 6 psi / 41 psi-ms
- H & HL Single Doors up to 4’x 8’ & Pairs up to 8’x 8’

*Contact YKK AP Engineering for specific Wind Load Analysis at higher levels.

U-Factor Values as low as 0.39*
CRF Minimum 63 frame & 67 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>3”</td>
<td>7-11/16”</td>
<td>Inside &amp; Front Set</td>
<td>9/16” Monolithic or 1-5/16” IGU with Low-E (C.O.G. U-factor: 0.29)</td>
<td>0.06 CFM/FT² (1.10 m³/h·m²)</td>
<td>Static: 20 PSF (958 Pa) Dynamic: 20 PSF (958 Pa)</td>
<td>Lam STC: 37 Lam OITC: 32</td>
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**Testing Standards**
- ASTM E 283
- ASTM E 331 & AAMA 501
- ASTM E 90 & 1425

**Florida Product Approval**
- Large and Small Missile, HVHZ

**Available Finishes**
- Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)

**Thermal Performance**

<table>
<thead>
<tr>
<th>1-5/16” Laminated IGU</th>
<th>BTU/hr·ft²·°F</th>
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<tbody>
<tr>
<td>C.O.G U-Factor</td>
<td>0.30 0.28 0.26 0.24 0.22 0.20</td>
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<tr>
<td>3” x 7-11/16”</td>
<td>0.47 0.45 0.44 0.42 0.40 0.39</td>
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**CRF**

<table>
<thead>
<tr>
<th>Frame</th>
<th>Glass</th>
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<tr>
<td>65</td>
<td>67</td>
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**Testing Standards**
- AAMA 507
- AAMA 1503

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**Skyhouse Channelside Apartments - Tampa, FL**

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at: [www.ykkap.com/commercial/product/curtain-walls/yhc-300-ig/](http://www.ykkap.com/commercial/product/curtain-walls/yhc-300-ig/)