

## ALUMINUM THERMAL BREAK WINDOW SINGLE HUNG TILT

<b>Product Series Number:</b>	CTS-9331	<b>AAMA Rating:</b> H-R30 (PENDING)
<b>Applications:</b>	Residential	
<b>Frame Depth:</b>	2-3/8"	
<b>Glass Unit Thickness:</b>	5/8"	
<b>Dimension Limitation:</b>	Minimum:	W=10" H=10"
	Maximum:	W=62" H=80"

### Architecture Specifications

**General:** Manufactured by Crystal Window & Door Systems, Ltd., 31-10 Whitestone Expressway, Flushing, NY 11354.

**Operation:** Glass unit shall be fixed in a frame. Window shall be reglazed by removing the snap-in glazing bead from inside.

**Materials:** All extrusions shall be Prime-Alloy 6063-T5 and shall be thermally broken by a high density and low thermal conductive material. Rigid vinyls are used in construction for added thermal improvement. Jambs and head shall have a main wall thickness of 0.050", sill has a main wall thickness of 0.062".

**Frame construction:** Head, jambs and sill machined to be joined at each corner with stainless steel screws fastened into integral extruded strengthening ribs in head and sill sections. Frame depth shall be 2.375". Sill shall be sloped to aid water run-off. Frames with 1 3/16" nailing fin & 1 1/2" casement fin are available.

**Glazing:** Glazing unit shall utilize 0.625" thick insulating glass consisting of two sheets of 0.125" thick clear annealed glass and a desiccant filled metal "warm-edge" spacer system (Intercept insulating unit). A butyl sealant shall be extruded around the entire perimeter of the spacer to achieve a seal. Glazing unit shall be back bedded with silicone.

**Finish:** All exposed surfaces shall receive an electrostatically baked-on polyester TGIC powder finish. The painting process is preceded by a non-chromate conversion coating for proper adherence.

**Options:** Between glass grids - Colonial, Georgian, and Diamond aluminum in white, bronze or two tone (green-white or bronze-white), are available. Applied grids are also available. Glazing - Swiggle spacer, obscure wire, clear wire, frosted, Low-E, Argon filled Low-E and special tempered glass can be used. Field mulled or factory mulled units are available. Two tone, custom colors, integral nail fin, masonry and face flange, interior trim are available.