

ALUMINUM REPLACEMENT WINDOW DOUBLE HUNG TILT

Product Series Number:	CTD-5000	AAMA Rating: H-HC45
Applications:	Normal Duty Commercial, Heavy Duty Commercial	
Frame Depth:	3-1/4"	
Glass Unit Thickness:	1"	
Dimension Limitation:	Minimum:	W=13" H=20"
	Maximum:	W=56" H=99"

Architecture Specifications

General: Manufactured by Crystal Window & Door Systems, Ltd., 31-10 White stone Expwy, Flushing, NY 11354.

Operation: Sash shall be counterbalanced to remain in any place during operation. Both sashes shall tilt in for cleaning exterior glass surface.

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. Sill has a main wall thickness extrusion of 0.078". Jamb's shall have 0.068" while Intermediate Jamb's have 0.080". Heads shall have 0.062" thickness. Stiles and Rails shall have 0.062" thickness. Rails shall be tubular profile.

Frame construction: Frames shall have integral screen tracks. Head shall be fitted with a head expander. All corners shall be coped and butt-joined and mechanically fastened with two stainless screws per corner. Frame depth shall be 3.250". Stiles are equipped with patented continual anti-bow pint to aid sash withstand wind load. Sill shall be sloped to aid water run-off.

Sash construction: All sash corners shall be coped and butt-joined and mechanically fastened with two stainless screws per corner. Full-length continuous integral handles on both sashes shall be rounded at their corners. Extruded locking bars on both sashes shall lock automatically when sashes are closed. The stile rails are designed has a straight daylight elevation view.

Glazing: Both sashes shall utilize 1" thick insulating glass consisting of two sheets of 1/8" thick clear annealed glass and a desiccant filled

metal spacer system (intercept insulating unit). A butyl sealant shall be extruded around the entire perimeter of the spacer to achieve a seal. Both sashes shall be marine glazed with the glass unit set in a wrap-around vinyl glazing channel.

Screen construction: Standard optional screen shall be a half screen. The screen rails shall be extruded of aluminum with all corners keyed. The screen frame shall be fitted with 18 x 16 mesh rewirable charcoal fiberglass screen cloth or aluminum screen wire by a flexible spline.

Hardware: Each sash shall be equipped with two spiral balances. Sash lock shall be finished either white or black and fastened at the lock rail by two self-tapping screws. Upper sash tilt latches shall have tri-wing locks.

Weatherstripping: High-density woven pile shall be used in combination with continuous polyethylene rigid seal to minimize air infiltration.

Finish: All exposed surfaces shall receive an electro-statically baked-on polyester TGIC powder finish. A non-chromate conversion coating for proper adherence precedes the painting process.

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. Full screen, field mulled or factory mulled units, and oriel windows are available. Two tone and custom colors are available.