

ALUMINUM REPLACEMENT WINDOW DOUBLE HUNG TILT (CORPUS)

Product Series Number:	CTD-4000	AAMA Rating:	H-C35
Applications:	Normal Duty Commercial, Residential		
Frame Depth:	3-1/4"		
Glass Unit Thickness:	7/8"		
Dimension Limitation:	Minimum:	W=14"	H=21"
	Maximum:	W=44"	H=85"

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 place during operation. Both sash 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. Jambs, heads, mullions, stiles, rails shall have a main wall thickness of extrusion 0.055" and sill has 0.070".

Frame construction: Frames shall have integral screen tracks. Head shall be fitted with a head expander. All corners shall be coped and butt-joined mechanically fastened with two stainless screws per corner. Frame depth shall be 3.250". Sill shall be sloped to aid water run-off.

Sash construction: All sash corners shall be coped and butt-joined mechanically fastened with two stainless screws per corner. The lifts on both sashes shall be rounded at their corners. . Sash shall be deep interlocked augmented with two additional weatherstrippings.

Glazing: Both sash shall utilize 7/8" thick insulating glass consisting of two sheets of 3/32" 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 sash shall be marine glazed with the glass unit set in a wrap-around vinyl glazing channel.

Screen construction: Standard 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 have two factory calibrated spiral balances. Balance rods shall be inserted into the slot of the shoe which lock in place once sash is tilted in. Sash lock shall be finished either white or black and be fastened at the lock rail by two self-tapping screws. Two vent locks shall be located on upper sash for opening the window partially. A spring sash clip on top rail shall lock automatically when top sash is at up most position.

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 electrostatically baked-on polyester TGIC powder finish. The painting process is preceded by a non-chromate conversion coating for proper adherence.

Options: Grids – Colonial, Georgian and Diamond aluminum in-glass in white, bronze or two tone (green-white or bronze-white), are 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.