

MECHANICAL VINYL REPLACEMENT WINDOW DOUBLE HUNG TILT

Product Series Number:	CVD-100		
Applications:	Light Duty Commercial, Residential		
Frame Depth:	3-1/4"		
Glass Unit Thickness:	7/8"		
Dimension Limitation:	Minimum:	W=13"	H=20"
	Maximum:	W=42"	H=80"

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 vinyl extrusions shall be rigid 100% virgin PVC. The frame, mullion, rails shall have a main wall thickness of 0.070". Side jamb section shall have eleven tubular hollows for strength and thermal efficiency. Head and sill section shall have two tubular hollows.

Frame construction: All corners shall be butt-joined mechanically fastened with two stainless screws per corner. Frame depth shall be 3.250". Frame shall either be fitted with a head expander and sill extension or accept a slide-in nailing fin.

Sash construction: All sash corners shall be mechanically fastened with one stainless screw per corner. There shall be integral interlock at the meeting rail. Width over 40" shall have internal steel reinforcements at top and bottom rails.

Glazing: Both sashes 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. Sash shall be marine glazed with the glass unit set in the sash rails.

Screen construction: Standard screen shall be a half screen. The screen rails shall be extruded of aluminum with all corners keyed. The screen mesh shall be held-in-place with a flexible spline.

Hardware: Sash balances shall be 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 cam type and finished to match the vinyl extrusion color. Sash lock shall be fastened at the lock rail by two self-tapping color matched screws. Double locks standard on window widths over 24". Two vent locks shall be located on upper sash for opening the window partially.

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

Finish: Shall be solid vinyl in either blue white or dark brown.

Options: Grids – Colonial, Georgian, and Diamond aluminum in-glass in white, bronze or two tone (green-white or bronze-white), are available. Glazing – Swiggle glass units, obscure wire, clear wire, frosted, Low-E, Argon filled Low-E and special tempered glass can be used. Full screen, rollformed aluminum screen rail, field mulled or factory mulled units, and oriel windows are available. Nailing fin can be used for new construction.