

Westco Single Hung H-C50 Specifications

MANUFACTURER: Manufacturer shall be West Window Corporation, located at 226 Industrial Park, Martinsville, Virginia. (P.O. Box 3071, Martinsville, VA 24115, phone 276-638-2394.)

MATERIALS: Frame and sash main members are made of T6063-T6 aluminum alloy extrusions with a poured in channel urethane thermal barrier, debridged to resist temperature transfer through the extrusion. Typical extrusion wall thickness is .062 inches.

CONSTRUCTION: Frame components are assembled using double screw coped corner construction and are secured by #8 x 1" 410 hardness stainless steel screws. Frame corner seams are sealed with a low modulus, non acetic silicone sealant. Frame depth is 2 5/8" at jamb and head and 2 11/16" at the sill with sill sloped to the outside for positive water drainage. An extruded aluminum combination interlock/fixed meeting rail is used to provide strength and stability to the frame. Frames are available in new construction as well as replacement configurations.

Active sash components are joined at the corner using double screw coped corner construction and are fastened with 410 hardness stainless steel screws set in extruded screw bosses.

GLAZING: Active sash is channel glazed using a flexible vinyl glazing gasket along the perimeter of a sealed insulating glass unit. Active sash may be re-glazed if necessary using existing sash rails. The fixed lite is interior glazed using sealed insulating glass with a silicone back-bedding and secured with a snap-in rigid vinyl glazing bead. Fixed lite(s) may be re-glazed by removing the interior snap-in glazing bead. Standard INSULATING GLASS UNITS have an overall thickness of 7/8" and consist of two lites of glass and one air space. The air space is created by a Warm-Edge TSS (Thermoset Spacer Technology) polymer spacer system. The edge seal consists of a uniform layer of hot melt butyl sealant. Insulating glass seal durability meets ASTM E2188-02, ASTM E2189-02, & ASTM E2190-02 specifications. Glazing options consist of clear, low emissivity, tinted, obscure, and tempered glass. Other glazing options available upon request.

SCREENS: Screen frame is made of T6063-T6 aluminum alloy extrusions and employs mitered corner construction, fastened at the corner with self locking zinc die cast corner keys. Screen cloth is of aluminum wire mesh held firmly in place by a solid vinyl spline. Screen is removable to the inside and attaches securely to the window with retainer clips that engage the meeting rail. Two metal spacer buttons at the bottom of the screen help water run off at the window sill.

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HARDWARE: Window is equipped with spring loaded extruded aluminum claw-type locks that engage a keeper rail that is extruded onto the sill.

BALANCES are concealed, spiral silicon steel spring type with zinc cadmium plated rod and self-lubricating thermoplastic bearing for quiet, low friction operation. Active sash tilts in and is removable via a locking tilt shoe located in each interior jamb track. Two stamped metal pivot bars located on the bottom of active sash couple the sash to the balance mechanism.

TILT LATCHES are injection molded with finger-tip actuator that allows active sash to tilt in for cleaning and/or removal.

WEATHERSEALS: Two rows of center fin wool pile weather-stripping are used along the stiles of the active sash and along the fixed meeting rail. One row of polypile weather-stripping is used on the bottom of the active sash along with one row of vinyl bulb seal at the frame sill.

FINISHES: All aluminum extrusions in master frame, sash, sash lock, and screen are finish painted with an electrostatically applied enamel in a choice of three colors: White, Bronze, and Tan. Clear Anodized finish is also available.

INSTALLATION: Installation of window shall be furnished by others and shall be done in a professional manner. Window shall be set plumb and square in opening with no twisting or distorting of the window, and shall be properly anchored. A non-hardening sealant compatible with aluminum shall be provided by the installer and applied by the installer in sufficient quantity to provide a watertight seal between the window and opening.

OPERATION: After installation, window shall operate smoothly with no binding of the active sash. Active sash shall tilt in easily for cleaning and/or removal. Sash locks shall positively engage the lock keeper rail when in the closed and locked position.

CERTIFICATION: Window shall conform to AAMA/WDMA/ CSA 101/I.S.2/A440-05 "Standard Specification for Windows, Doors, and Skylights" and meet all applicable criteria for C-C50 certified windows. Copies of certified test reports are available on request and may be obtained by writing West Window Corporation, P.O. Box 3071, Martinsville, VA 24115, or by calling (276) 638-2394.

WARRANTY: Window is covered by West Window Lifetime Limited Warranty. Details of the provisions of this warranty are available on request. West Window commenced operation in 1949.