



TOM THUMB MASHING MACHINES

VARIABLE SPEED TOM THUMB® Model 579



Model 579



RCS-2
Standard
Remote Control



Curtain Operator
*applicable only
to single phase
units when UL
approved guards
are installed.



Track Mounted
Magnetic Limit Switches



WRC-1
Optional Wireless Remote
Control

The Model 579 was designed as a versatile and economical solution for small residential and light commercial drapery track applications. Small in size and big in features, the Model 579 can operate tracks up to 20' in length and curtain weights up to 60 pounds. Track mounted limit switches provide positive end of travel signals and allow for a moderate amount of cable slippage. This machine also includes a built in timer to ensure that the machine will shut off even if the cord slips or breaks during operation. Incorporating features such as variable speed, user definable maximum and minimum speed settings and optional wireless remote control makes this one of the most versatile drapery operators on the market today.

OUTSTANDING FEATURES:

DRIVE WHEEL

Aluminum N-grooved drive wheel designed to help prevent cable slippage. Wire center cable must be used with this machine.

IDLER SYSTEM

Composed of ball-bearing equipped wheels which increase load capacity of the machine and help assure proper cable alignment.

POWER CONNECTION

Connects to a standard 120 VAC receptacle. Note that if WRC-1 is used with this machine, 2 receptacles will be needed.

CONTROL

Stop/Start/Reverse from any point of travel. Integral DC drive board provides variable speed (0 to 40 fpm) as well as pre-set maximum obtainable speed and minimum obtainable speed. Control voltage is 24 VDC. Standard control is from a 3 push button station labeled Open, Close and Stop. Any number of remote control stations can be used. Speed is varied from a dial located on the machine. Optional RF based wireless remote control (Model WRC-1) can be added.

LIMIT SWITCHES

Hard-wired magnetic track-mounted type. If the machine is not ordered with a track, brackets must be fabricated for attaching the limit switches to the track and the magnets to the track's master carriers. Limit switch voltage is 24 VDC.

OVERLOAD PROTECTIVE FUSE

Mounted to the machine and accessible from the outside of the machine. This device helps protect the machine, track and drapery against the effects of accidental overload.

PHYSICAL CHARACTERISTICS

Size is 4-1/2" wide (including mounting bracket) x 5-1/2" deep x 7" high. Fits into a pocket 6" wide x 8" high. Weight is 9 pounds. Finish is black powder coat.

Wheel drive machines are not recommended for curved track applications.

SUGGESTED SPECIFICATIONS FOR MODEL 579

Curtain machines shall be fully automatic type equipped with 18 watt motor and built-in gear reduction unit on the output drive shaft of which shall be mounted an N-grooved traction wheel delivering a variable cable speed of 0 to 40 feet per minute equivalent to curtain separation speed of 0 to 1.5 feet per second. Mechanism shall include a hardwired low voltage remote control station of three-button type which shall provide reversing action at any point along the travel. Machine shall be equipped with ball-bearing idler wheels, automatic overload protective fuse, automatic shut off after predefined period, and magnetic track mounted limit switches. The mechanism shall be furnished with a mounting bracket designed for floor, wall or ceiling mounting. Model 579 as manufactured by Automatic Devices Company of Allentown, PA.