



LIFT CURTAIN MACHINES: VARIABLE

SILVER SERVICE® Model 2907-TV
HERCULES® Models 6507-TV, 7007-TV, 9007-TV

Model 2907-TV



Close-up of RCS-TV (wall [standard] and flush mount [optional] units shown)

NOTE: Guard not shown. Required for ETL compliance.

	Model No.			
	2907TV	6507TV	7007TV	9007TV
Horsepower	1/2	3/4	1	2
Input Voltage/Phase	120/220 1 208/230 3	120/220 1 208/230 3	120/220 1 208/230 3	208/230 3
Cable Speed (fpm)	0-54	0-54	0-54	0-54
Number of Remote Wires (Plus Ground)	6	6	6	6
Lift Cap	100	150	200	500
Control Voltage	24 VAC	24 VAC	24 VAC	24 VAC
Length With Guard	38	38	38	38
Width With Guard	25	25	25	25
Height With Guard	19	19	19	19
Length Without Guard	38	38	38	38
Width Without Guard	25	25	25	25
Height Without Guard	19	19	19	19
Shipping Weight With Guard	280	283	287	330
Shipping Weight Without Guard	275	278	282	325

These machines are not to be used for the lifting, supporting, or transporting of people. These machines should not be used to lift objects over areas where people are present unless suitable safety devices are installed. Other data can be found in the Curtain Machine Selector Guide (page 86).

Models 2907-TV, 6507TV, 7007-TV, and 9007-TV ranging in horsepower from 1/2 to 2, are the premium lift machines of the ADC line. Equipped with electronic frequency drives, these machines are the most versatile in the ADC line. Designed for lift applications, these machines offer a multitude of parameters that can be programmed in the field to meet a variety of applications. Parameters such as run speed, maximum obtainable speed, minimum obtainable speed, acceleration ramp time and deceleration ramp time are easily changed right at the drive. Each machine is provided with deceleration limit switches which allow the machine to decelerate to a stop rather than abruptly stop at the end of its travel. These machines also feature emergency overtravel limit switches and emergency stop push buttons which bypass the deceleration ramp and shut the machine off immediately. The operation of these machines is Start/Stop/Reverse from any point of travel and low voltage controls is standard. If versatility is a project requirement, this series of machines is the best option.

OUTSTANDING FEATURES:

GROOVED CABLE DRUM

Assures positive drive without cable slippage. Constructed of powder coated steel 6" diameter x 14" long, grooved for 3/16" cable. Coated wire-center cable must be used. Provides up to 70' of cable travel.

MAGNETIC FRICTION BRAKE

Furnished as part of the motor (brakemotor) or inline with the motor and gear reduction unit and helps to provide precise stopping in both directions.

VARIABLE SPEED (0-72 RPM) Speed cannot be adjusted while machine is operating without effecting limit positions.

CONTROL STATIONS

Four-button type. Provide Stop\Start\Reverse control from any point of travel. No limit to the number of remote control stations that can be used. Two supplied with each machine, one fixed to the machine and one for use as a remote control. Speed dial at remote control station available upon request. 24 VAC.

ROTARY LIMIT SWITCH

Allows for user defined decelerated pre-set stops for the "Full Raise" and "Full Lower" positions. The limit assembly is also supplied with emergency overtravel limit switches which bypass the deceleration ramps and shut the machine off immediately.

DISCONNECT SWITCH

Toggle switch which removes power to machine's internal circuitry.

Power will still be active at the machine terminal strip and on one side of the disconnect switch. To completely remove power from the machine for servicing, power must be shut off at its source and locked out according to OSHA regulations.

OVERLOAD PROTECTIVE BREAKER

Automatic type helps protect machine, track and curtain against effects of accidental overload. Must be manually reset.

SUGGESTED SPECIFICATIONS FOR MODELS 2907-TV, 6507-TV, 7007-TV, OR 9007-TV

Curtain machines shall be fully automatic type equipped with ... HP motor, with magnetic friction brake, right angle gear reducer on the output drive shaft of which shall be mounted elevator-type grooved cable drum and outboard bearing to support and align extended shaft. Drum shall deliver a variable cable speed of 0 to 54 feet per minute. Mechanism shall include electronic frequency drive to provide variable speed and reversing action at any point along the travel and shall include four-button control station mounted on unit and one for remote control. Control switch wiring shall be accomplished through low voltage system running from control box on machine to the remote control station. Integral rotary limit switch shall be driven from output shaft of gear reduction unit. Machine shall be equipped with disconnect switch, overload protective breaker and emergency hand crank for conversion to hand operation. The entire mechanism shall be mounted on heavy steel base. Model ... as manufactured by Automatic Devices Company of Allentown, PA.