



SILVER SERVICE® Model 2907 HERCULES® Models 7007, 8007 and 9007



Model 2907



Close-up of RCS-1 (standard)



Close-up of RCS-2 (optional)

NOTE: Guard not shown. Required for ETL compliance.

	Model No.			
	2907	7007	8007	9007
Horsepower	1/2	1	1-1/2	2
Volts	115 or 230	115 or 230	230	230
Phase	1 or 3	1 or 3	3	3
Lifting Speed (fpm)	54	54	54	54
Maximum Cable Pull (lbs.)	100	200	400	500
Control Voltage	24 VAC	24 VAC	24 VAC	24VAC
Number Wires for Remote Control (Plus Ground)	4	4	4	4
App. Overall Dimensions (inches)				
Length	31	31	31	32.625
Width	24.25	4.25	24.25	26
Height	18.75	18.75	18.75	20
App. Shipping Weight (lbs.)	260	265	300	300

These machines are not to be used for the lifting, supporting, or transporting of people. These machines should not be used to move 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, 7007, 8007 and 9007 ranging in horsepower from 1/2 to 2, are generally considered the select fixed speed lift machines of the ADC line. These units are capable of lifting, without the need of counterweights, substantial loads in accordance with established maximum weights. Each machine is equipped with a built-in magnetic brake and grooved cable drum to facilitate precise positioning. Complete with magnetic friction brakes, Stop, Start and Reverse control, direct drive and limit switches, these machines are completely versatile.

OUTSTANDING FEATURES:

GROOVED CABLE DRUM

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

MAGNETIC FRICTION BRAKE

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

THREE PHASE FIXED SPEED MOTORS

Standard with models 8007 and 9007, also available as options with models 2907-T, 7007-T.

CONTROL STATIONS

Three-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 station.

MAGNETIC CONTACTOR

Provides Start/Stop/Reverse control for the machine. Compatible with most automation systems. LVCS Low Voltage Control System, 24 VAC standard.

ROTARY LIMIT SWITCH

Allows for user defined pre-set stops for the "Full Raise" and "Full Lower" positions.

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.

THERMAL OVERLOAD

Built into some motors to help prevent possible damage to the motor due to overheating (furnished on some single phase motors only).

SAFETY RELAY

Prevents single phase motor from continuing to run in the same direction when the push-buttons are pressed at the same instant as the limit switch is tripped.

SUGGESTED SPECIFICATIONS FOR MODELS 2907, 7007, 8007 OR 9007

Curtain machines shall be fully automatic type equipped with ... HP motor, with built-in or inline 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 lifting cable speed of 54 feet per minute. Mechanism shall include magnetic contactor to provide reversing action at any point along the travel and shall include three-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 mechanism to remote control switch. 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.