



# DRAW CURTAIN MACHINES: VERSATILE

**AUTODRAPE® Models 934 and 1454**  
**SILVER SERVICE® Model 2904**  
**HERCULES® Model 6504**



Close-up of RCS-1

Model 934



Shown With Optional Cable Tension Device.



ETL LISTED  
 DOOR, DRAPERY,  
 GATE, LOUVER AND  
 WINDOW OPERATORS  
 AND SYSTEMS  
 56613 Conforms To ANSI/UL-325

NOTE: Guard (ME-1) not shown. Required for ETL compliance.

	Model No.			
	934	1454	2904	6504
Horsepower	1/4	1/3	1/2	3/4
Volts	115 or 230	115 or 230	115 or 230	115 or 230
Phase	1 or 3	1 or 3	1 or 3	1 or 3
Cable Speed (fpm)	86	86	86	86
Curtain Separation Speed (fps)	3	3	3	3
Number Wires for Remote Control	4	4	4	4
Control Voltage (Plus Ground)	24 VAC	24 VAC	24 VAC	24 VAC
App. Overall Dimensions (inches)				
Length	18	18	18	18
Width	18	18	18	18
Height	27	27	27	27
Without Guard/Length	13	13	13	13
Width	14	14	14	14
Height	27	27	27	27
App. Shipping Weight (lbs.)				
With Guard	150	150	160	165
Without Guard	100	100	110	115

Other data can be found in the Curtain Machine Selector Guide (page 86).

Models 934, 1454, 2904 and 6504 are the most versatile yet most reasonably priced stop, start and reverse machines available anywhere. Designed particularly for multiple remote control station locations, these units include a magnetic reversing contactor and three-button control stations. Integral rotary limit switches provide user defined pre-set stops for the "Full Close" and "Full Open" positions. These machines are also obtainable with magnetic friction brakes which help provide more precise stopping.

### OUTSTANDING FEATURES:

#### GROOVED CABLE DRUM

Assures positive drive without cable slippage. Constructed of aluminum, 10" diameter x 5" long. Coated wire-center cable must be used. Drum must be at least 10' from track live-end pulley or last pulley in system, to allow cable to wind properly on drum. Drum upgrade to 10" x 7" available.

#### DRIVING DOG

Releases drum from drive shaft. Allows drum to spin freely for manual operation of the track system.

#### EMERGENCY HAND CRANK

Facilitates hand operation of curtain in case of mechanical or power failure. Not supplied when cable tension device is furnished.

#### ROTARY LIMIT SWITCHES

Allow for "Full Close" and "Full Open" pre-set stops as cams engage switches. Fully adjustable cam type assembly.

#### REMOTE CONTROL STATIONS

Three-button type and hardwired marked Open, Close and Stop. No limit to number of control stations that can be used with this type of machine. Two supplied with each machine, one on the machine and one to be used as remote control station.

#### MAGNETIC CONTACTOR

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

#### 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).

### SUGGESTED SPECIFICATIONS FOR MODELS 934, 1454, 2904 OR 6504

Curtain machines shall be fully automatic type with ... HP motor connected through V-belt drive to gear unit, on the output drive shaft of which shall be mounted elevator-type grooved cable drum delivering a cable speed of 86 feet per minute equivalent to curtain separation speed of 3 feet per second. Mechanism shall include magnetic contactor to provide reversing action at any point along the travel and shall include three-button control switch stations mounted on unit and one for remote control. Control switch wiring shall be accomplished through low voltage system running from control switch on mechanism to the machine's control box to the remote control switch station. Limit switch assembly shall be mounted integrally with gear unit. Safety guard shall be provided over V-belt drive and limit switch chain drive. Machine shall be equipped with disconnect switch, automatic overload protective breaker, and emergency hand crank for conversion to manual operation unless equipped with cable tension device. The entire mechanism shall be mounted on steel base. Model ... as manufactured by Automatic Devices Company of Allentown, PA.

Machines

## Vesatile Curtain Motor

Project:

Date:

Drawing #:

Scale: Not to Scale



**Theatrical Stage Curtains, LLC.**

www.TheatricalStageCurtains.com • P: (877) 610-1555 F:(440) 233-1122