




LIFT CURTAIN MACHINES: INTERMEDIATE

AUTODRAPE® Model 963



Close-up of
RCS

NOTE: Guard not shown.
Required for ETL compliance.

 ETL LISTED DOOR, DRAPERY, GATE, LOUVER AND WINDOW OPERATORS AND SYSTEMS 56613 Conforms To ANSI/UL-325	Model No.
	963
Horsepower	1/4
Volts (Power and Control)	115
Phase	1
Lifting Speed (fpm)	18
Maximum Cable Pull (lbs.)	100
Number Wires for Remote Control (Plus Ground)	3
App. Overall Dimensions (inches)	
Length	23
Width	9
Height	13
App. Shipping Weight (lbs.)	100

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 will be found in the Curtain Machine Selector Guide (page 86).

Model 963 is a lift machine devised to raise and lower top masking, Austrian shades, and motion picture screens. Its maximum load capacity of 100 pounds falls between the lightweight Model 1003 and the heavier duty Model 2906 machines. It is equipped with a special reversing motor which permits instantaneous Stop, Start, and Reverse action from any point of travel. This machine is not equipped with a magnetic friction brake and some drift may occur when a stop command is issued. A relatively high reduction in the gear unit helps minimize this drifting.

OUTSTANDING FEATURES:

CABLE SPOOL

Helps to assure positive drive without cable slippage. Constructed of coated steel 4" diameter x 4" long. Coated wire-center cable must be used. Sprocket drive also available.

EMERGENCY HAND CRANK

For conversion to hand operation in case of mechanical or power failure.

CONTROL SWITCH STATION

Three-position maintained toggle type. Only one remote control station can be used with this model machine, this being wired temporarily to the machine at the factory for making limit switch settings during installation. Magnetic Control System (MCSA) and Low Voltage Control System (LVCS) available at additional cost as an option. These allow the use of any number of remote control stations.

BRAKING EFFECT

Is provided by the gear reduction unit only. A friction type magnetic brake is available as an option.

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).

SUGGESTED SPECIFICATIONS FOR MODEL 963

Curtain machines shall be fully automatic type equipped with 1/4 HP special reversing motor connected through V-belt drive to single reduction gear unit, on the output shaft of which shall be mounted an un-grooved cable spool delivering a cable speed of 18 feet per minute. Remote control shall provide reversing action at any point along elevated travel and shall be composed of three-position, stationary maintained contact toggle-type switch. Integral rotary limit switch assembly shall be driven from output of gear reduction unit. Machine shall be equipped with disconnect switch, automatic overload protective breaker, and emergency hand crank for conversion to hand operation. The entire mechanism shall be mounted on a steel base. Model 963 as manufactured by Automatic Devices Company of Allentown, PA.