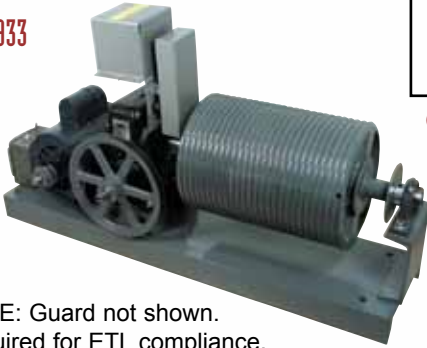




LIFT CURTAIN MACHINES: GYM DIVIDER

AUTODRAPE® Models 933 and 1453
SILVER SERVICE® Model 2903
HERCULES® Model 6503

Model 933



Close-up of RCS

NOTE: Guard not shown.
 Required for ETL compliance.

Models 933, 1453, 2903 and 6503 constitute a new development in lifting mechanisms. These are essentially motorized winches for raising and lowering gym divider curtains using single or double line rigging. These models can also be used to individually operate multiple line lift curtains and for this application can be installed side by side in a relatively small area for mounting either on the floor or overhead. These units are not equipped with magnetic friction brakes so some drifting may occur. A high gear reduction is used to help limit this drift and provide more precise stopping. Stop, Start and Reverse control is provided by a reversing motor and three-position toggle type control switch. Integral rotary limit switches allow for pre-set "Full Raise" and "Full Lower" positions.

OUTSTANDING FEATURES:

GROOVED CABLE DRUM

Assures positive drive without cable slippage. Constructed of coated steel 8" diameter x 12" long. Coated wire-center cable must be used. 1" diameter x 2" long secondary cable spool also provided.

EMERGENCY HAND CRANK

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

CONTROL STATION

Three-position maintained toggle type. Only one remote control station can be used with this model machine, this being wired temporarily to machine at the factory for making limit switch settings during installation.

	Model No.			
	933	1453	2903	6503
Horsepower	1/4	1/3	1/2	3/4
Volts (Power and Control)	115	115	115	115
Phase	1	1	1	1
Main Cable Lifting Speed (fpm)	18.6	18.6	18.6	18.6
Secondary Cable Speed (fpm)	2.7	2.7	2.7	2.7
Main Cable Max. Cable Pull (lbs.)	CONTACT FACTORY FOR RATINGS			
Number Wires for Remote Control (Plus Ground)	3	3	3	3
App. Overall Dimensions (inches)				
Length	34	34	34	34
Width	11	11	11	11
Height	17	17	17	17
App. Shipping Weight (lbs.)	215	215	220	225

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).

BRAKING EFFECT

Provided by the gear reduction unit only. A magnetic friction brake, which helps provide more precise stops, is available as an option.

ROTARY LIMIT SWITCH

Allows for user defined pre-set stops for the "Full Raise" and "Full Lower" positions. Fully adjustable cam type assembly.

DISCONNECT SWITCH

Toggle switch which removes power to the 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 motor due to overheating (furnished on some single phase motors only).

SUGGESTED SPECIFICATIONS FOR MODELS 933, 1453, 2903 OR 6503

Curtain machines shall be fully automatic type equipped with ... HP special reversing motor connected through V-belt drive to single reduction gear unit, on the output shaft of which shall be mounted elevator-type cable drum delivering lifting speed of 18.6 feet per minute and secondary spool delivering cable speed of 2.7 feet per minute. Remote control station shall provide reversing action at any point along elevated travel and shall be composed of three-position, maintained toggle-type switch. 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 a steel base. Model ... as manufactured by Automatic Devices Company of Allentown, PA.