

115 and 230 VAC 500, 1000 and 1500 lb. load capacities



General purpose AC actuator

The Electrak 5 is designed for intermittent duty applications and provides maximum thrust of 500 pounds or 1000 pounds. Since it is powered by 115 VAC or 230 VAC, the Electrak 5 actuator can be easily wired and can be controlled by a simple pushbutton switch or relay for remote control of hard-to-reach operations such as opening or closing an overhead window.

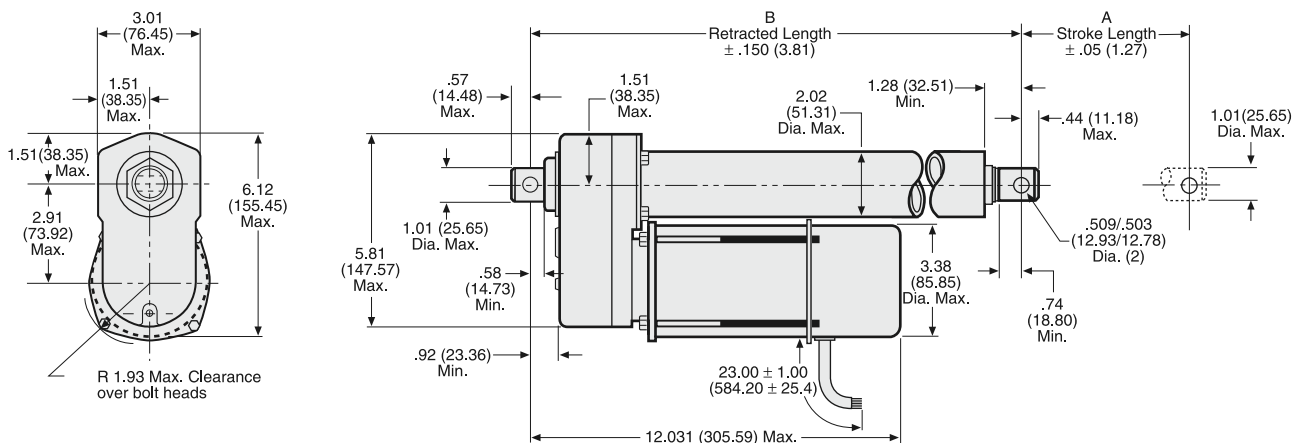
Consisting of an AC motor, gear train and ball bearing screw drive system, Electrak 5 actuators feature quality construction with a stainless steel extension tube and slip clutch to protect the unit from overloading.

Rated for 25% duty cycle for in-plant applications, the Electrak 5 must be clevis mounted. Standard lengths include 4, 8, 12, 18 and 24" strokes. A capacitor is not included with the actuator.

Control

The MCS-2041 and MCS-2042 controls were designed specifically to operate the Electrak 5 actuators. The capacitor is prewired to the terminal strip and a convenient rocker switch on the cover extends or retracts the actuator. See page D-43.

Dimensions



*Consult customer service

Features

- 500, 1000 and 1500* lb. load capacity models
- New stronger housing
- UL recognized and CSA certified
- Highly efficient ball bearing screw drive system
- 4, 8, 12, 18, or 24 inch stroke models
- Load limiting clutch
- Metal spur gears
- Stainless steel extension tube
- Anti-coast motor brake for accurate positioning
- Heavy duty 115 VAC 60 Hz only or 230 VAC 50/60 Hz single phase motor
- Thermal overload protects actuator in the event of a stall or an overload or high duty cycle condition. Resets automatically.

Note: A capacitor must be ordered when not using the MCS-2041 or MCS-2042 controls.

Note: Maximum life is 50,000 starts and stops assuming that external limit switches are used for end of stroke direction instead of ratcheting the clutch.

Typical Applications

- Ergonomic lift tables
- Conveyor diverter
- Open and close windows, bins

Specifications

Input	115 VAC 60 Hz or 230 VAC 50/60 Hz
Load capacities	500, 1000 or 1500* lbs. maximum
Stroke lengths	4, 8, 12, 18, or 24 inches
Current draw	2.85 amps maximum at rated load 115 VAC; 1.55 amps maximum at rated load 230 VAC
Duty cycle	25% "on time" at rated load per cycle 77° F (max. on time 45 sec.)
Motor protection	Automatic reset thermal overload in motor windings
Overload Protection	Ball detent overload clutch
Temperature range	-15° F to 150° F
Drive	Ball bearing screw
Housing	Zinc
Cable	18 ga., 5 conductor cable
Connector	Packard series 56 (included)
Capacitor	Included in MCS-2041 or MCS-2042 or must be ordered separately
Capacitor	115V = 35 MFD 240 VAC Part No. 9200-448-002 230V = 10 MFD 370 VAC Part No. 9200-448-003
End Play	.040 in. max.
Static Load	2500 lbs. for all strokes
Restraining Torque	100 lb. in. max.
Wiring Diagram	See page D-59

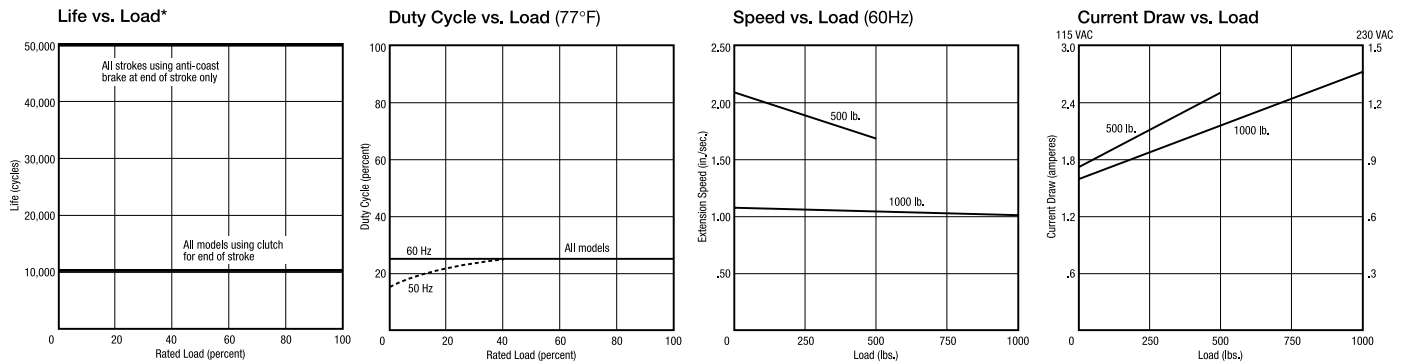
*Consult customer service

Model Numbers – use when ordering

Stroke Length	500 lb. Capacity		1000 lb. Capacity		A	B	Weight lbs.
	115VAC	230VAC	115VAC	230VAC			
4	A12-05B5-04D	A22-05B5-04D	A12-10B5-04D	A22-10B5-04D	4.00 (101.60)	14.95 (379.73)	14.40
8	A12-05B5-08D	A22-05B5-08D	A12-10B5-08D	A22-10B5-08D	8.00 (203.20)	18.95 (481.33)	15.24
12	A12-05B5-12D	A22-05B5-12D	A12-10B5-12D	A22-10B5-12D	12.00 (304.80)	22.95 (582.93)	16.08
18	A12-05B5-18D	A22-05B5-18D	A12-10B5-18D	A22-10B5-18D	18.00 (457.20)	28.95 (735.33)	17.34
24	A12-05B5-24D	A22-05B5-24D	A12-10B5-24D	A22-10B5-24D	24.00 (609.60)	34.95 (887.73)	18.60
Controls	MCS-2041	MCS-2042	MCS-2041	MCS-2042	—	—	—
*Capacitor	9200-448-002	9200-448-003	9200-448-002	9200-448-003	—	—	—

* Capacitor must be ordered when not using the MCS-2041 or MCS-2042 controls. Additional models including end of stroke limit switches are available – contact the factory.

Performance Curves



How To Order

