

FIXED SPEED LINEAR ACTUATOR MOTOR FAMILY

Series LA, LB Synchronous Linear Actuator



Maximum Load:	LA 10 lbs., LB 6.5 lbs.
Rotor Assembly:	Threaded to accept a std. 1/4"-16 ACME 2G right-hand screw (Class 2G RH)
Insulation Class:	Class A (105°C)
Lead Wire:	LAS/LBS 6 leads 24 AWG (approx. 8.5 inches [215.9 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Motor Construction:	Die cast end bells and ball bearing construction
Shaft Length:	8 inches [203.2 mm] max with travel 5.25 inches [133.35 mm]
Applications:	Pushing, Pulling, Lifting, and Positioning
Note: Typical data subject to change without notification	

The LA and LB synchronous motor/actuator offers an economical choice of controlled linear motion for pulling, pushing, or lifting. The rotor assembly contains a nut which accepts a standard 1/4" diameter, 16 TPI, RH Acme screw giving a Class 2G fit. Standard threaded rod is 8" length.

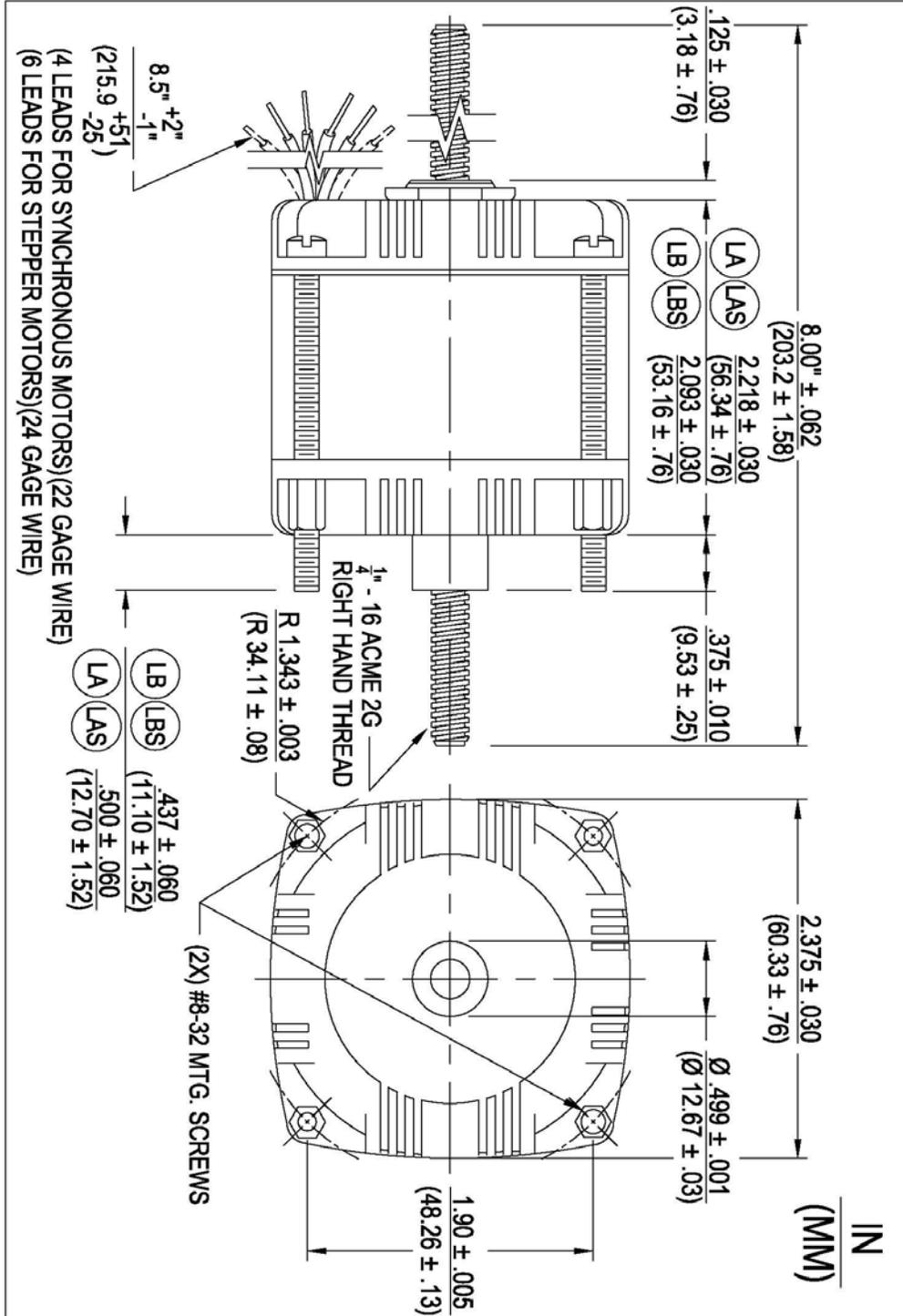
LA and LB series synchronous motors have rotor speeds of 300 RPM (LA) and 600 (LB) and linear travels of 5/16 and 5/8 in./sec., respectively.

All motors are reversible and have die cast end bells and ball bearing construction.

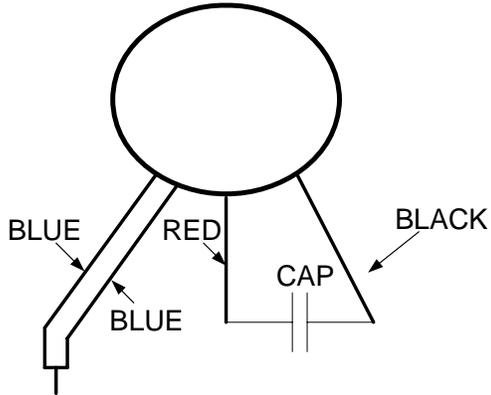
Notes:

- Capacitors are required for operation.
- Stocked in 115Vac 60Hz. Other voltages may be specified.

Model	Part Number	in/sec	cm/sec	Maximum Load (lbs)	Maximum Load (kg)	Input Power (watts)	Voltage (VAC) 60HZ	Full Load Temp. Rise °C	Capacitor Value (mfd)	Shaft Length (in)	Shaft Length (cm)	Weight (oz)	Weight (g)
LA	3601-001	0.3125	.79	10	4.54	7.5	115	34	0.68	8	20.3	22	624
LA	3601-002	0.3125	.79	10	4.54	7.5	220	34	.18	8	20.3	22	624
LB	3603-001	0.625	1.59	6.5	2.95	8	115	44	0.82	8	20.3	22	624

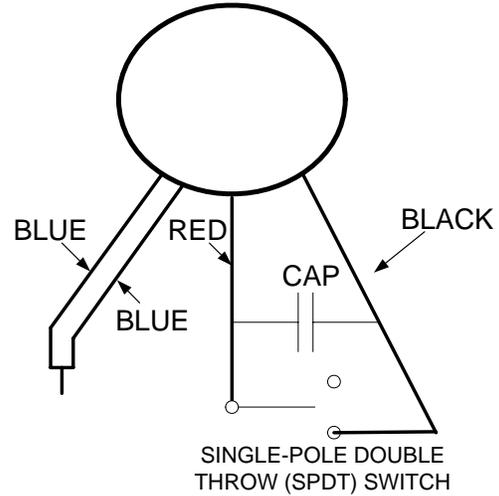


Wiring Diagram



Capacitors are non-polarized and must always be connected between the red and black leads. Always connect the (2) coil blue leads together. Connect the power supply to the blue leads and red lead to produce clockwise (CW) rotation viewing shaft end. Connect the power supply to the blue leads and black lead to produce counter-clockwise (CCW) rotation viewing shaft end.

Optional Wiring Diagram with Switch



Capacitors are non-polarized and must always be connected between the red and black leads. Always connect the (2) coil blue leads together. Connect the power supply to the blue leads and red lead to produce clockwise (CW) rotation viewing shaft end. Connect the power supply to the blue leads and black lead to produce counter-clockwise (CCW) rotation viewing shaft end.