

# LX Series

## Packaged Microstepping Linear Motor/Indexer/Drive Systems

### Features

#### Performance

- Forces up to 20 pounds (89 N)
- High voltage (170V) operation for high-speed performance
- Drive provides 0-3 Amps/phase bipolar
- Microprocessor controlled microstepping provides smooth operation

#### Language

- Application disk provided for programming assistance and forcer selection
- Built-in RS-232C indexer with X Series command language superset
- Up to 8 units can be daisy-chained on a single RS-232C port
- 1800 characters of non-volatile memory can store up to 40 motion programs
- Automatic power-up motion program execution
- Motion sequence selection via RS-232C or external switch closures
- Sequence upload, download and automatic verify
- Automatic acceleration roll-off for maximum force utilization and shorter move times
- Flexible acceleration profiling for customized acceleration profiles
- Transmits messages out the RS-232C port for control of other RS-232C controllers or for output to message displays
- Returns message giving calculated move time of the currently defined move

#### Protective Circuit

- Short circuit, brownout and overtemperature protected

#### Physical

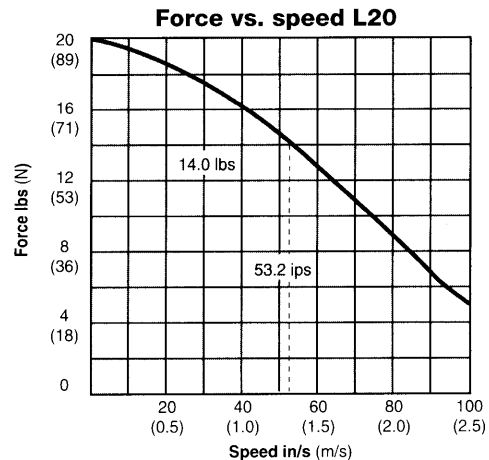
- Packaged system with drive, indexer, power supply, heatsink, and cables
- 95-135VAC, 50/60 Hz input power

#### Interface Capabilities

- Nine optically isolated inputs
- Two optically isolated programmable outputs
- Optional electronic accelerometer damping to further enhance the motor's dynamic performance
- 12,500 steps per inch standard



### Performance Curve



For complete specifications by  
return fax, please call us at this  
number and request Document 1160.

**C** Step Motor Systems