Dayton®

ALTERNATING & DIRECT CURRENT MOTORS

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION

Inspect for damage that may have occurred during shipment. If damage is found, please contact the freight carrier for instructions. Inspect all motor leads to be sure the insulation is not chafed.

Disconnect the power source before connecting the motor. If the power source is remote, it should be locked in the open position and tagged to prevent unexpected resumption of power.

Installation and wiring must be in accordance with all local electrical and safety codes, the National Electrical Code and applicable OSHA regulations.

CAUTION – This motor must be properly grounded.

MAINTENANCE

AC Motors
No regular maintenance procedures are required for AC motors.

DC Motors
Direct current motor brushes should be inspected at least once yearly and more frequently when used in twenty–four hour continuous duty applications. When one–half of the brush remains, replace both with the same grade of brush. These may be ordered from DAYTON; please supply complete nameplate data.

LUBRICATION

This unit has been permanently lubricated at the factory. Periodic lubrication is not required under normal industrial operating conditions.

All in-line gearboxes use Mobil Gear Oil 632. All right angle gearboxes use synthetic Mobil Gear Oil SHC634.

GEARMOTOR PROTECTION

Some applications subject motors to periodic overloads. This unit is designed to withstand up to 200% of the name-plate torque. However, it can produce peak torques high enough to damage itself if not protected by fusing. Such geartrain failures will void the warranty.

Note: DAYTON stock DC motors are sized for full wave SCR Control input having a form factor of 1.3 or lower. They may also be used with controls having filtered outputs lower than 1.3. Use with controls having higher form factors may cause overheating of the motors.