

# BALDOR MOTOR MAINTENANCE

MSSM0274AE/9731AV

Most of the information in this document is taken from the *Baldor Electric Company Instruction, Operation, and Maintenance Manual*, and provides a means of more accurately determining motor lubrication requirements based on local conditions.

## General Maintenance

Inspect, clean, and test motors at regular intervals— approximately every 500 operating hours or every three months, whichever comes first. Lubricate motors at the intervals determined herein. Keep accurate maintenance records.

### **DANGER: Electrocutation and Electrical Burn Hazards**



Contact with high voltage will electrocute or burn you. Power switches on the machine and the control box do not eliminate these hazards. High voltage is present at the machine unless the main power is off. Electrical power can cause death or severe injury.

- ☞ Do not service machine unless qualified and authorized.
- ☞ Lock OFF and tag out power at the wall disconnect before servicing, or in accordance with factory service procedures.

### **DANGER: Entangle and Crush Hazard**



Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- ☞ Do not service machine unless qualified and authorized.
- ☞ Lock OFF and tag out power at the wall disconnect before servicing, or in accordance with factory service procedures.

**Clean**—Keep the exterior of the motor free of dirt, oil, grease, water, etc. Keep ventilation openings clear. Oily vapor, paper pulp, textile lint, etc., can accumulate and block ventilation, causing overheating and early motor failure.

**Test**—Periodically, check the motor and winding insulation integrity using a “megger.” Record the megger readings and immediately investigate any significant drop in insulation resistance. Check all electrical connectors to be sure they are tight.

**Lubricate**—Determine the proper lubrication interval for your motor as explained in “How to Determine Lubrication Interval” in this section, and lubricate accordingly.

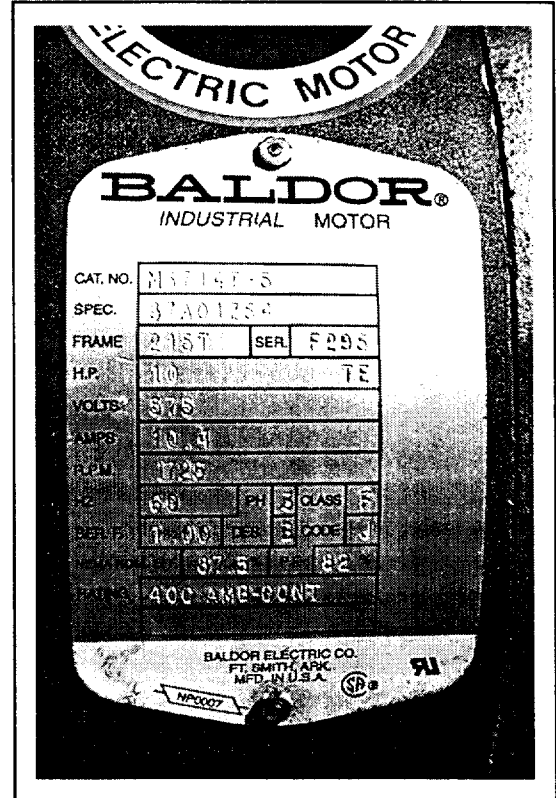


FIGURE 1 (MSSM0274AE)  
Typical Motor Data Plate