

## SECTION 26 05 90: MOTORS

### 1. GENERAL

- A.  $\frac{3}{4}$  hp and larger: three-phase required
- B. Smaller than  $\frac{3}{4}$  hp: single phase permitted
- C. 25 hp and above: reduced voltage starter or VFD
- D. Use premium-efficiency type, rated to earn the highest rebate available under utility company rebate program
- E. Use a VFD where a multi-speed motor is required
- F. Motors connected to variable frequency drives (VFDs) to be inverter duty rated, premium-efficiency type, and compatible with the VFD. Additionally, incorporate a design to prevent arcing through the motor bearings, such as: insulated bearings or grounded motor shafts.
- G. Motors to be rated for the environment in which installed

### 2. BEARINGS

- A. Anti-friction ball bearings rated for minimum ABMA 9, L-10 life of 200,000 hours
- B. Provide grease lubricated bearings with housings equipped with plugged provision for re-lubrication