

MOTORS

DESIGN GUIDELINES

1. Summary:
 - a. This section provides guidelines and standards for Motors.
 - b. Location of equipment and what it serves determines quality of motor, bearings, etc.
2. General
 - a. All motors shall be high efficiency rated and shall have Copper windings only.
 - b. Motors to be VFD rated NEMA MG1 part 31.
 - c. Motor mounts - Belt
 - 2" adjustable.
 - Not spring mounted.
 - d. Explosion-proof motors – see specific equipment for requirements.
 - e. Bearing
 - 3 phase motors shall be greaseable.
 - Bearing life shall not be less than 200,000 hours.
3. Related Sections
 - a. Enclosed Motor Controllers
 - b. Variable Frequency Controllers
 - c. AHU's
 - d. RTU's

EQUIPMENT and PRODUCT REQUIREMENTS

1. Approved Motor Manufacturers:
 - a. Marathon
 - b. US Motor
 - c. Toshiba.
2. Unacceptable Motor Manufacturers:
 - a. Baldor.
 - b. ECM type.

END OF SECTION

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