

SECTION 16160: MOTOR STARTERS

PART I – GENERAL

- Furnish and install magnetic and manual starters as indicated on plans. Starters shall be as specified herein.

SUBMITTALS

- Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.
- Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.
- Shop drawings for review by the Professional of Record are not required for this section.

MANUAL STARTERS

- Across-the-line manual starters shall be provided where indicated on plans, for single phase, fractional HP motors, unless provided with the equipment.
- Starter shall consist of a manually operated toggle switch with thermal overload protection.
- Manual starters shall have: NEMA I enclosure (or NEMA 3R when mounted outside) with switch positions indicating ON, OFF, and TRIPPED positions, positive, quick-make, quick-break mechanisms. A red pilot light to indicate whether the motor is running shall be provided for each starter.

MAGNETIC STARTERS

- Magnetic starters shall be provided for all motors unless otherwise specified.
- Starters shall be full voltage across-the-line type, unless otherwise specified.
- Overload protective relays shall be furnished for all phases.
- All starters for motor shall be furnished with a 24 volt control transformer, with its control circuit fused.
- Provide four reversible auxiliary contacts for each starter.
- Combination units shall be comprised of magnetic motor starters and fused disconnects.

PART II – PRODUCTS

Not applicable.

PART III – EXECUTION

Furnish and install motor starters (coordinate with mechanical contractor) for all motors as shown on the drawings and as herein specified. Motor horsepower rating shown on the drawings and controls required shall be in accordance with the mechanical specifications and verified with the Mechanical Contractor. Overload elements shall be sized per National Electric Code. Voltage ratings and internal connections of all motors shall be verified to assure that they are suitable for the voltage to be applied. The motors shall be connected for the direction of rotation specified by the Contractor supplying same.

END OF SECTION

This Page Intentionally Left Blank.