

MISSOURI DEPARTMENT OF TRANSPORTATION
RUBBER TACTION SOLID TIRED 5000 LB. ELECTRIC FORKLIFT SPECIFICATIONS

GENERAL - The forklift to be furnished under these specifications shall be designed for indoor use. It shall be a complete high visibility three (3) stage one-man operating unit with all foot and hand controls, instruments and gauges conveniently grouped and located at the operator station, easily accessible to the operator, allowing full visibility front and rear. A copy of the manufacturer's warranty is to be included with the bid.

WEIGHT, DIMENSIONS, CAPACITY AND OPERATING DATA

Wheel Configuration: 3

Lift truck: 36 volt electric three wheel sit down rider

Battery Charger: Three (3) phase

Base Capacity: 3,000 – 4000 lbs.

Upright -- Triple stage, high visibility with full free lift

Mirrors for backing

ENGINE - 36 volt electric with battery discharge indicator gauge with lift interrupt and accessories.

DRIVE MOTORS –All motors shall be totally enclosed to seal out contaminants such as dust and water and are equipped with a temperature-monitoring device that signals the control to cut back power should motor temperatures ever approach their limit. All motors shall be brushless induction. .

STEERING - Full hydrostatic power steering.

BRAKES - Dual disc brakes, easy to reach hand parking brake mechanically actuates both service brake assemblies. The complete braking system may use common components.

ELECTRICAL SYSTEM - Heavy duty insulated 36-volt microprocessor/AC control that provides smooth and efficient motor control complete with a 36-volt water less battery and a separate automatic Stop/Start THREE-phase volts charger. The charger shall be set up for 240 input voltage . Charger must be separate from battery. The battery must have a 5 year warranty. Two work lights forward and one in rear and an electric hour meter will be installed. Dash display with operating and diagnostic information.

FENDERS - The fenders are to be constructed of all steel material. They will provide protection in the immediate area of the vehicle from material and objects thrown by the rotating tires. The protection may be accomplished by design and structure of the vehicle or as a fender attachment.

TIRES -- RUBBER – Traction solid tires.

BACKUP ALARM SYSTEM - In accordance with OSHA Standard listed in Federal Register Volume 37, Number 243 Subpart 0, Section 1926.602, Paragraph 9. The horn shall be distinguishable from surrounding noise level.

MISCELLANEOUS - Electric horn, capacity plate, operator instruction and warn labels, operator manual attached to seat back with flexible cable. Unit shall include a side shifter.

NOTE: Complete machine must be manufactured in accordance with the latest adopted OSHA or SAE Standards and amendments thereto.

The Missouri Highway and Transportation Commission reserves the right to waive technicalities and to reject any or all bids and no bid is final until formally accepted by the Commission.