



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR
FORKLIFT, ELECTRIC, 3,000 LBS. CAPACITY

SERIES NO. 270-000
EQUIPMENT SPECIFICATION 270-000H

REV. 10/26/2023

GENERAL

This specification sets forth the minimum requirements for an electric forklift, 3,000 lb. minimum capacity. The forklift specified is a ride-on, compact electric designed for indoor or smooth pavement use only.

Equipment shall be new, a production model of current manufacture, and must meet all state and Federal safety and emission standards in effect at time of order.

REPRESENTATIVE SPECIFICATIONS

An Doosan B15T-7 Plus, with appropriate options and standard features, was used to develop these specifications and establish equivalency evaluation criteria.

Equipment of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will be considered. For evaluation purposes, bidders proposing an exception/equivalent option/feature to those specified herein, may be required to provide manufacturer/product information (catalogue sheets, detailed specifications, pictures, etc.). This information will be evaluated against the minimum requirements of this specification. Proposed submittals that are determined not to be equivalent to the established criteria will be rejected.

LOUISIANA AUTHORIZED DEALER(S)

Proposed item(s) must be from a manufacturer who has at least one (1) authorized dealer **within the State of Louisiana** where parts and service can be obtained. Authorized dealer(s) must have properly trained technicians plus all other resources necessary to perform warranty and repair services in complete accordance with the manufacturer's requirements. A letter certifying the ability to meet this requirement, inclusive of the company name(s) and address(es) of the Louisiana authorized dealer(s), should be supplied with the bid submittal and may be required prior to award.

DELIVERY & ACCEPTANCE

Vendor shall perform a test run of each unit to verify that all features and capabilities are operating properly at time of delivery. Documentation of testing may be required prior to acceptance by the Department.

Unit(s) must be delivered completely assembled (including all components, accessories, etc.) and ready for operation without any additional preparation including, but not limited to, ensuring all fluid levels are at their full mark, fuel tank(s) is full, all necessary lubrication has been performed, etc. A Louisiana safety inspection shall be performed on each vehicle prior to delivery and a Louisiana safety inspection sticker properly affixed.

Any unit delivered under this specification is subject to rejection if there is evidence of poor workmanship, by either the vendor or the original manufacturer. Noted defects and/or nonconformance findings may

be corrected by the vendor. Corrections must be completed and approved by the Equipment Engineer or his representative prior to final acceptance.

Unit(s) shall be delivered “**on the ground;**” DOTD will not unload nor provide any unloading equipment to the vendor/delivery driver in order to offload the unit(s).

NOTE: The Department will have space available for equipment to be unloaded.

EACH UNIT MUST BE SUPPLIED WITH THE FOLLOWING DOCUMENTATION AT TIME OF DELIVERY:

1. Sales Invoice
2. Dealer's Service Policy
3. Owner's/Operator's Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
4. Service Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
5. Build Sheet(s) – as applicable
 - a. One (1) Hardcopy
 - b. Build sheets should be writing in plain language (not company specific codes) and include, at a minimum, all standard & optional features of the delivered unit.

NOTE: Invoices will not be processed for payment until the unit(s) have been inspected by the Equipment Engineer or their representative and deemed in compliance with the specifications.

BID SUBMITTALS

Any additions, deletions, or variations from the specifications should be noted in the "Bidder's Exceptions" page of this specification. Exceptions that are noted to be less than a minimum requirement will not be accepted.

Any additions, deletions or variations from the manufacturer's standard published specifications should be noted on the "Bidder's Exceptions" page of this specification. Unless otherwise noted, any items appearing in the manufacturer's standard published specifications furnished by the Bidder are assumed to be included in the Bidder's submittal.

Bidder should note on their submittal any installation(s) to the equipment that will be performed by the vendor instead of the manufacturer.

Failure to note any specification exceptions, manufacturer specification alterations, and/or vendor installations prior to award may result in rejection of the equipment at the time of delivery.

THE NUMBER OF DELIVERY DAYS AFTER RECEIPT OF ORDER (ARO) MAY BE USED AS A FACTOR IN THE AWARD.

EQUIPMENT SPECIFICATIONS

NOTICE TO BIDDERS

Bidder should review the detailed "Equipment Specification" completely and respond to the compliance question at the end of each section by marking "X", in the space provided, for "Yes" or "No". Mark "Yes" to indicate that the equipment bid meets the section exactly as specified. Mark "No" if there are exceptions to any part of that section. Exceptions/deviations to any part of the specification are to be detailed on the "Bidder's Exceptions" page of this specification.

IN ORDER TO BE CONSIDERED FOR AWARD, BIDDER SHOULD RETURN THIS SPECIFICATION, COMPLETED IN FULL, WITH THEIR BID SUBMITTAL.

Note: All values listed below are minimums unless noted otherwise.

1. Design & Construction

- 1.1. 3,000 lb. load capacity @ rated load center
- 1.2. 24 in. load center
- 1.3. Fork carriage
 - 1.3.1. ISO Class II
 - 1.3.2. 1.4 in. x 3.9 in. x 41 in. fork dimensions
- 1.4. Fork spacing
 - 1.4.1. 9.5 in. min.
 - 1.4.2. 35.6 in. max.
- 1.5. Dimensions (excluding forks)
 - 1.5.1. 77 in. max. length to fork face
 - 1.5.2. 44 in. overall width max.
 - 1.5.3. 86 in. mast lowered height max.
 - 1.5.4. 82 in. overhead guard height max.
 - 1.5.5. 38 in. seat height max.
 - 1.5.6. 56 in. wheelbase max.
 - 1.5.7. 3.4 in. ground clearance min.
- 1.6. Tires
 - 1.6.1. Super-elastic, cushion type tires
 - 1.6.2. Three-wheel design
- 1.7. Load Backrest
 - 1.7.1. 39 in. wide x 40 in. tall

Comply: ____ Yes ____ No

EQUIPMENT SPECIFICATIONS

2. Electric Components

- 2.1. Electric-powered, UL rated, Type EE
- 2.2. AC electric controller and motors - drive and hydraulic
 - 2.2.1. 36v lead-acid battery
 - 2.2.2. 680 AH
- 2.3. Drive motor rating
 - 2.3.1. 6.0x2 kW @ S2 60 minutes
- 2.4. Lifting Motor Rating
 - 2.4.1. 14 kW @S3 15%
- 2.5. Gray SB type battery connector
- 2.6. Electric motor service braking system
- 2.7. Auto-electric parking brake system
- 2.8. Amber strobe safety light
- 2.9. Front (2) and rear (1) flood work lights
- 2.10. Three-phase battery charger, to be included

Comply: ___ Yes ___ No

3. Hydraulic

- 3.1. 3-section, 3-lever hydraulic control valves with directional control switch
- 3.2. Hydraulic relief pressure
 - 3.2.1. System – 2,550 psi
 - 3.2.2. Attachments – 2,040 psi
- 3.3. Hydraulic Oil Tank
 - 3.3.1. 20L capacity
- 3.4. 3-stage, full free, triple wide view mast
 - 3.4.1. 187 in. MFH
 - 3.4.2. 84 in. OAL
 - 3.4.3. 61 in. FFH
- 3.5. Tilt of mast
 - 3.5.1. 5° forward
 - 3.5.2. 7° backward
- 3.6. Max fork height (w/ STD 2-stage mast)
 - 3.6.1. 130 in.
 - 3.6.2. 5.1 in. free lift
- 3.7. Sideshifter
 - 3.7.1. Hang-on 38 in. wide, Class II

Comply: ___ Yes ___ No

EQUIPMENT SPECIFICATIONS

4. Additional Features

- 4.1. Power Steering
- 4.2. Battery Monitoring Device
- 4.3. DC/DC voltage converter
- 4.4. Steering wheel knob
- 4.5. Tilt steering wheel
- 4.6. Clipboard holder
- 4.7. Large rearview mirrors
- 4.8. Flip-top vent cap, easy access
- 4.9. Cloth suspension seat w/ hip restraints
- 4.10. Standard 2 year / 3,000-hour warranty
- 4.11. Powertrain warranty, 3 year/ 6,000-hour
- 4.12. 1.5 lb. ABC type fire extinguisher
- 4.13. Inside mount smart alarm
- 4.14. Flow-rite controls watering system
- 4.15. Guardian stability system
- 4.16. Convenience package w/ emergency stop switch
- 4.17. Microprocessor control panel

Comply: ___ Yes ___ No

BIDDER'S EXCEPTIONS

Instructions: Bidder should note all exceptions in space provided below. List the detail number from the aforementioned specification in the column to the left and the exception in the column to the right. Responses may be typed or hand-written. Handwritten responses must be legible. If additional space is needed, please print a duplicate copy of this sheet. "Bidder's Exceptions" page(s) should be returned with the bid submittal.

Examples:

1.6	Engine has 325 horsepower
1.18.3	Batteries have 2000 CCA combined.
2.2.8	Crossmembers are 4" channel on 12" centers.

**Spec./Detail
Reference**

Exception
