



STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
TECHNICAL SPECIFICATIONS FOR  
**FORKLIFT, DIESEL, 11,000 LBS.**

**SERIES NO. 270-500**  
**EQUIPMENT SPECIFICATION 270-500J**

**REV. 3/27/2024**

**GENERAL**

This specification sets forth the minimum requirements for an 11,000 lbs. forklift with a diesel powered engine.

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**

The following makes and models were evaluated to develop these specifications and establish equivalency. All makes and models listed, with standard features and appropriate options should satisfy the requirements of the specifications.

Octane FD50, Doosan D50, Tailift ZFD50

Other makes and/or models of equipment of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will also be considered. For evaluation purposes, bidder's 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.

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:**

1. Dealer's Service Policy
2. 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
3. Service Manual(s)
  - a. One (1) Hardcopy
  - b. One (1) Digital Copy
    - i. Acceptable Formats: PDF delivered via USB "Flash Drive", or E-mail
4. 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. General Description

1.1. Capacity: 11,000 lbs. at 24" load center

Comply: \_\_\_Yes \_\_\_No

1.2. Engine

1.2.1. 73 HP

1.2.2. Diesel fueled

1.2.3. Liquid cooled

Comply: \_\_\_Yes \_\_\_No

1.3. Frame

1.3.1. Heavy duty single unit

1.3.2. All welded one piece

Comply: \_\_\_Yes \_\_\_No

1.4. Fuel Tank: 26 gallon

1.4.1. Unit must be delivered with a full tank of fuel

Comply: \_\_\_Yes \_\_\_No

1.5. Electrical System: 12 VDC

Comply: \_\_\_Yes \_\_\_No

1.6. Transmission: Power shift type

Comply: \_\_\_Yes \_\_\_No

## EQUIPMENT SPECIFICATIONS

### 1.7. Steering

1.7.1. Full hydrostatic power steering

1.7.2. Adjustable steering wheel

Comply: \_\_\_Yes \_\_\_No

### 1.8. Brakes

1.8.1. Hydraulic wet disc brakes

1.8.2. Parking brake

Comply: \_\_\_Yes \_\_\_No

### 1.9. Tires & Wheels

1.9.1. Manufacturer's standard

1.9.2. Dual front

1.9.3. Solid pneumatic

Comply: \_\_\_Yes \_\_\_No

### 1.10. Mast Assembly

1.10.1. 2 stage mast

1.10.2. Fully hydraulic operation

1.10.3. 109" fork lift height

1.10.4. Tilt capacity

1.10.4.1. 6 degrees forward

1.10.4.2. 10 degrees backward

1.10.5. Hydraulic fork positioner

Comply: \_\_\_Yes \_\_\_No

### 1.11. Forks

1.11.1. 6 inches x 60 inches

1.11.2. Hook type

Comply: \_\_\_Yes \_\_\_No

### 1.12. Controls

1.12.1. Hydraulic valves for hoist cylinder, tilting cylinder, and fork positioner within easy ergonomic reach of the operator

1.12.2. Clear for mounting and dismounting

1.12.3. Inching control

Comply: \_\_\_Yes \_\_\_No

## EQUIPMENT SPECIFICATIONS

### 1.13. Additional Features & Options

- 1.13.1. Open operator's station
- 1.13.2. OSHA approved operator protection
- 1.13.3. Suspension seat with arm rests
- 1.13.4. Neutral start switch
- 1.13.5. Seat belt
- 1.13.6. Front LED lamps
- 1.13.7. Rear LED lamps and reflectors
- 1.13.8. LED flashing beacon light
- 1.13.9. Backup alarm
- 1.13.10. Mounted fire extinguisher
- 1.13.11. Rear grab bar with horn button
- 1.13.12. Rearview mirrors
  - 1.13.12.1. Left hand & right hand mirrors
  - 1.13.12.2. Center panoramic mirror

Comply: \_\_\_Yes \_\_\_No

### 1.14. Paint

- 1.14.1. Manufacturer's standard color

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