



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

WHEEL LOADER, 3 CU. YD. CLASS

SERIES NO. 867-750

REV. 7/15/2025

EQUIPMENT SPECIFICATION 867-750A

GENERAL

This specification sets forth the minimum requirements for a 3 cubic yard class wheeled front-end loader.

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

A Caterpillar 930M, John Deere 544P and Volvo L70H, 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 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) level is at least ¾ of tank, 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 AT TIME OF DELIVERY:

1. Dealer's Service Policy
2. Owner's/Operator's Manual(s)
 - a. 1 Hardcopy
 - b. 1 Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
3. Build Sheet(s) – as applicable
 - a. 1 Hardcopy
 - b. Build sheets should be written 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.

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. Wheel Loader

This specification describes an industrial wheeled front-end loader, 4-wheel drive, with a 2.7 - 3.5 cu. yd. front bucket capacity.

1.1. Cab

- 1.1.1. Enclosed cab
- 1.1.2. Heater, air conditioner, defroster & pressurizer
- 1.1.3. Front and rear windshield wipers/washers
- 1.1.4. ROPS/FOPS protection
- 1.1.5. Isolation mounted with adjustable suspension seat and seat belt with retractor

Comply: ____ Yes ____ No

1.2. Engine

- 1.2.1. Diesel, 160 HP @ 1800 RPM,
- 1.2.2. Heavy duty oil bath or dry type air cleaner with restriction gauge
- 1.2.3. Tier 4 Final emissions

Comply: ____ Yes ____ No

1.3. Electrical System: Standard for make and model

- 1.3.1. Battery disconnect switch

Comply: ____ Yes ____ No

1.4. Transmission: Full power shift or hydrostatic

Comply: ____ Yes ____ No

1.5. Axles and Steering

- 1.5.1. Front: Fixed with differential lock

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1.5.2. Rear: Oscillates 20 degrees total

1.5.3. Articulation type steering: 40 degrees right and left

Comply: ____ Yes ____ No

1.6. Brakes

1.6.1. 4-wheel, power assisted

1.6.2. Parking brake

Comply: ____ Yes ____ No

1.7. Tires

1.7.1. 20.5 R 25

1.7.2. Traction-type L2

Comply: ____ Yes ____ No

1.8. Hydraulic System

1.8.1. Full hydraulic system to be constant running and complete with all necessary components

1.8.2. To include complete hydraulic circuit to operate hydraulic quick attach coupler and 3rd function hydraulics with piping and controls

Comply: ____ Yes ____ No

1.9. Dimensions

1.9.1. Fuel Tank: 50 Gallons

1.9.2. Wheelbase: 114"

1.9.3. Operating weight: 29,000 lbs.

1.9.4. Dumping Height: Capable of dumping at 9' 0"

Comply: ____ Yes ____ No

1.10. Attachments

1.10.1. Bucket: General purpose with bolt on cutting edge, 2.7 - 3.5 cubic yard capacity

1.10.2. Construction forks: Fork length to be 60 inches

1.10.3. Hydraulic quick attach coupler

Comply: ____ Yes ____ No

1.11. Accessories

1.11.1. Complete gauge package (must include fuel gauge and hour meter)

1.11.2. GPS location capability with service for the entire 1 year and 1 day buy back period

1.11.3. Automatic ride control

1.11.4. Front and rear work lights

1.11.5. Lockable engine side panels, rear grill and fuel fill

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1.11.6. Front and rear fenders

1.11.7. Horn

1.11.8. Backup alarm

1.11.9. Counterweight

1.11.10. Mounted Fire extinguisher

1.11.11. Mounted SMV triangle

Comply: ____ Yes ____ No

1.12. Warranty: One year full coverage at nearest authorized location

Comply: ____ Yes ____ No

