

Attachment D



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR
TRACTOR, WHEELED, 105 HP

SERIES NO. 843-000
EQUIPMENT SPECIFICATION 843-000B

REV. 3/26/2024

GENERAL

This specification sets forth the minimum requirements for a 105 HP wheeled tractor.

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 John Deere 6105E, Case Farmall 110U, and a New Holland TS6.110 tractor, with appropriate options and standard features, were 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.

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. Build Sheet(s) – as applicable
 - a. One (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. 105 HP Wheeled Tractor

These specifications describe a 4 wheel drive (MFWD) tractor with an operating weight of approximately 10,000 lbs.

1.1. Engine

1.1.1. 105 HP

1.1.2. Diesel, water-cooled, 4 cycle

1.1.3. 230 cu. In. displacement

Comply: ___ Yes ___ No

1.2. Type

1.2.1. 4-wheel drive (MFWD), enclosed cab with air conditioning, corner post exhaust, and safety belt

1.2.2. Drop housing high crop configuration rear axle is not acceptable

Comply: ___ Yes ___ No

1.3. Wheelbase

1.3.1. 93"

Comply: ___ Yes ___ No

1.4. Power Train

1.4.1. Shuttle shift

1.4.2. 16 speeds forward, 8 reverse

1.4.3. On-the-go differential lock

Comply: ___ Yes ___ No



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1.5. Electrical and Instrumentation

- 1.5.1. Key ignition with safety starter switch
- 1.5.2. 12-volt alternator of sufficient capacity to provide charging at normal operating loads
- 1.5.3. Low maintenance or maintenance free battery
- 1.5.4. Tachometer-hour meter
- 1.5.5. Fuel gauge
- 1.5.6. Oil pressure warning lights or gauge
- 1.5.7. Alternator warning lights
- 1.5.8. Water temperature gauge
- 1.5.9. Instrument lights
- 1.5.10. Two headlights, two tails lights
- 1.5.11. Front and rear cab mounted work lights

Comply: Yes No

1.6. Power Take Off

- 1.6.1. Live or independent with ASAE standard spline shaft
- 1.6.2. 540 RPM

Comply: Yes No

1.7. Hitch

- 1.7.1. Drawbar, adjustable, left to right swing
- 1.7.2. Lift arms and center link for three-point hitch

Comply: Yes No

1.8. Hydraulic System

- 1.8.1. Self-contained, live, 20 GPM, with three (3) rear and two (2) mid selective control valves

Comply: Yes No

1.9. Steering

- 1.9.1. Power assisted

Comply: Yes No

1.10. Wheels/Tires

- 1.10.1. First line, first quality
- 1.10.2. Front 340/85/R24, 8 ply, R1 tread
- 1.10.3. Rear 460/85/R34, 8 ply, R1 tread

Comply: Yes No



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1.11. Brakes

1.11.1. Independent hydraulic, multiple disc, foot operated pedal lock and parking brake

Comply: Yes No

1.12. Fuel/Water

1.12.1. Fuel/water separator with replaceable filter element and drain capable of removing solid particles in 5-20 micron size range

Comply: Yes No

1.13. Accessories

1.13.1. Backup alarm

1.13.2. Horn

1.13.3. Front weight bracket

1.13.4. Left and right side door openings

Comply: Yes No

1.14. Paint: Manufacturer's standard color

Comply: Yes No

1.15. Warranty: One year, full coverage at nearest authorized location

Comply: Yes No

