



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

EXCAVATOR, 7-9 METRIC TON CLASS, RUBBER TRACKED

SERIES NO. 810-500**REV. 7/15/2025****EQUIPMENT SPECIFICATION 810-500C****GENERAL**

This specification sets forth the minimum requirements for a 7-9 metric ton class tracked excavator.

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 these specifications.

Make	Model(s)		Make	Model(s)		Make	Model(s)
Bobcat	E88		JCB	86C		Kubota	KX-080
Case	CX75, CX80, CX85		John Deere	75P, 85P		Volvo	ECR88
Caterpillar	307.5, 308		Kobelco	SK75SR, SK85CS		Yanmar	ViO80
Hyundai	R80CR, HX85A		Komatsu	PC78US, PC88MR			

Alternate equipment brands and models of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will 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 to not 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) level is at least ¼ 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:

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. 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.

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: These specifications describe a 7-9 metric ton class crawler excavator.

1.1. Engine: Diesel, 53 HP (net)

Comply: ____Yes ____No

1.2. Electrical System: Standard for make and model bid

1.2.1. Battery disconnect

Comply: ____Yes ____No

1.3. Hydraulic System

1.3.1. Main pump(s): 38 total GPM

1.3.2. Boom mounted auxiliary hydraulic circuit(s) for hydraulic thumb and other hydraulic attachments.

Comply: ____Yes ____No

1.4. Swing System: Full hydraulic, 360 degrees, with positive lock swing brake

Comply: ____Yes ____No

1.5. Track and Drives

1.5.1. Steel triple semi-grouser shoes with bolt-on rubber pads or bolt-on-chain combination steel and rubber shoes

1.5.2. Fully independent – brakes apply automatically when not propelling

Comply: ____Yes ____No

EQUIPMENT SPECIFICATIONS

1.6. Cab

- 1.6.1. Fully enclosed, ROPS or FOPS certified
- 1.6.2. Air conditioner & heater
- 1.6.3. Fully adjustable suspension seat with seat belt
- 1.6.4. Safety glass (all)
- 1.6.5. Windshield wiper
- 1.6.6. Lockable; must provide 2 keys
- 1.6.7. Instrumentation: standard for make and model

Comply: ____ Yes ____ No

1.7. Capacities and Dimensions

- 1.7.1. Fuel tank: 26 US gallons
- 1.7.2. Operating weight: 17,000 lbs. – 21,000 lbs.
- 1.7.3. Boom reach at grade level: 21'
- 1.7.4. Boom digging depth: 14'

Comply: ____ Yes ____ No

1.8. Accessories

- 1.8.1. Buckets
 - 1.8.1.1. 24"- 30" width, 0.3 cubic yard SAE capacity general purpose type, with side cutters and teeth
 - 1.8.1.2. 48"- 54" width, 0.6 cubic yard capacity clean out type with bolt on cutting edge
 - 1.8.1.3. Each bucket to include pins for the quick-change attachment coupler
- 1.8.2. Full width front mounted dozer blade
- 1.8.3. Hydraulic thumb
- 1.8.4. Manual quick-change bucket/attachment coupler
- 1.8.5. Work lights
- 1.8.6. Fire extinguisher and SMV triangle
- 1.8.7. Vandalism protection on all fluid fill points and engine compartments

Comply: ____ Yes ____ No

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

Comply: ____ Yes ____ No

