




PURCHASING DEPARTMENT

Madison County Board of Supervisors
146 West Center Street / Post Office Box 608
Canton, MS 39046
Office (601)-855-5534 ~ Fax (601) 859-5875

June 17, 2024

To: Board of Supervisors
From: Kesha Jackson, Purchasing Clerk 
Subject: Award Hydraulic Diesel Excavator - Engineering Department

Attached copies of the results of the recent reverse auction for Hydraulic Diesel Excavator.

I recommend that the Board take the following actions:

1. Acknowledge bids received;
2. Award Hydraulic Diesel Excavator to Lee Tractor as lowest and best bidder.

Thank you in advance for your consideration of the above recommendations.

Excavator

Menu s Planning and Zoning Bid Tool Email Manager Help Bid Tool

- Create New Bid
- View Pending Bids
- View Open Bids
- View Closed Bids
- View Public Log
- Bid System Log
- Permissions
- Current Time: 06-13-2024 08:52:52 am

Show 10 entries

Search:

| ID | Name | Phone | Email | Company Name | Date Submitted | Bid Amount | View Bid |
|------|-----------------|----------------|--------------------------------------|-----------------------|------------------------|--------------|---|
| 3269 | Kennon Ferguson | (601) 209-2670 | kennon.ferguson@puckettmachinery.com | Puckett Machinery Co. | 06-05-2024 10:10:05 am | \$179,070.00 | |
| 3270 | Stephen Dottolo | (985) 807-7339 | stephen@leetractor.net | Lee Tractor | 06-05-2024 10:25:52 am | \$174,530.00 |  |

Showing 1 to 2 of 2 entries

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Madison County Board of Supervisors
Bid Specifications For
 New 2024 Model or Newer Hydraulic Diesel Excavator

Complete by Checking the Following
 IF NOT COMPLIANT, state **Specifically** the item being
 offered

| | <u>YES</u> | <u>NO</u> | <u>OFFERED</u> |
|---|-------------------------------------|-------------------------------------|---------------------------------|
| <u>Engine</u> | | | |
| Engine Power-ISO 14396 /55.4kW 74hp | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>102 HP</u> |
| Engine Power-ISO 9249 /54.3kW 73hp | <input type="checkbox"/> | <input type="checkbox"/> | <u> </u> |
| Bore 98mm / 4in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>4.09"</u> |
| Stroke 120 mm 5 in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>5.2"</u> |
| Displacement 3.6 L 220 in | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4.49L 274 in³</u> |
| <u>Hydraulic System</u> | | | |
| Main System-Maximum Flow 247 L/min 65 gal/min | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>68.2 gal/min</u> |
| Maximum Pressure-Equipment 35 000 kPa 5,075 psi | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>5,260 psi</u> |
| Maximum Pressure-Travel 35 000 kPa 5,075 psi | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4,970 psi</u> |
| Maximum Pressure-Swing 26 000 kPa 3,770 psi | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4,050 psi</u> |
| <u>Swing Mechanism</u> | | | |
| Swing Speed 11.5 rpm | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>14.2 rpm</u> |
| Maximum Swing Torque 35 kN-m 25,888 lbf-ft | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>24,400</u> |

MADISON COUNTY, MISSISSIPPI
INVITATION FOR BIDS
Hydraulic Diesel Excavator

The Madison County Board of Supervisors will receive un-priced proposals on the following:

1. Hydraulic Diesel Excavator

Un-priced proposals will be accepted until 10:00 a.m. on Friday, May 31, 2024 by electronic submission at <http://www.madison-co.com/bids> or in sealed envelope at the Chancery Clerk's Office, 125 West North Street, Canton, Mississippi. For any questions relating to the electronic submission process, please call Kesha Jackson at 601-855-5534.

Submitted un-priced proposals will be evaluated, and vendors submitting acceptable proposals will be invited to submit priced bids. Bidding will be held by electronic reverse auction on June 5, 2024, at 10:00 a.m. Bidders may come to the Office of Purchasing with a paper bid and receive technical assistance in entering their bid in the reverse auction.

Specifications for the Hydraulic Diesel Excavator are available on the bid page of the Madison County Board of Supervisors at: <http://www.madison-co.com/bids>. Additionally, specifications are on file in the Chancery Clerk's Office, Madison County Office Complex, 125 West North Street, Canton, Mississippi, 39046 and available during normal business hours. There is no charge for specifications obtained using either of these methods.

All bids must comply with the specifications provided. Madison County reserves the right to amend the specifications, as necessary, and agrees to notify all who have requested bid packets from the Madison County Board of Supervisors.

The Madison County Board of Supervisors reserves the right to extend the auction date if necessary, to complete the bid proposal pre-qualification process.

Electronic proposals must be submitted at <http://www.madison-co.com/bids>.

All in-person submitted un-priced proposals must be sealed and clearly labeled on the outside of the bid envelope as instructed in the bid package and delivered to the Chancery Clerk's Office, at 125 West North Street, Canton, Mississippi.

The Board of Supervisors reserves the right to reject any and all bids.

SUBMITTED:

MADISON COUNTY JOURNAL

FOR PUBLICATION ON:

Thursday, May 9, 2024
Thursday, May 16, 2024

PROOF OF PUBLICATION TO:

Madison County Chancery Clerk
PO Box 404
Canton, MS 39046

Initial SV Date 5/30

OIC
TBS 1/31/24

YES NO OFFERED

Weights

Operating Weight 13 800 kg 30,400 Ib 28,900

- Reach boom, R3.0(9'10") stick, GD 0.53 m3 (0.69yd) bucket, 700 mm (28") triple grouser shoes, and 2470 kg (5,445 Ib) counterweight.

Service Refill Capacities

Fuel Tank 258L 68.2 gal 66 gal

Cooling System 15L 4.0 gal 5.3 gal

Engine Oil 8L 2.2 gal 2.9 gal

Final Drive 3L 0.8 gal 1.6 gal

Hydraulic System (including tank) 85L 22.5 gal 41 gal

Hydraulic Tank 70L 18.5 gal 22 gal

Dimensions

Boom Reach 4.65m (15' 3") 15' 2"

Stick Reach R3.0 m (9'10") _____

Bucket GD 0.53 m3 (0.69 yd) _____

Shipping Height (top of cab) 2810 mm 9'2" 9' 3"

Handrail Height 2810 mm 9'2" _____

Shipping Length 7780 mm 25'6" 25' 3"

Shipping Length (with blade) 8050 mm 26'4" 26'

Tail Swing Radius 2190 mm 7'2" _____

Initial JV Date 5/30

| | <u>YES</u> | <u>NO</u> | <u>OFFERED</u> |
|---|-------------------------------------|-------------------------------------|-----------------------------|
| Counterweight Clearance 916 mm 3'0" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>2' 11"</u> |
| Ground Clearance 446 mm 1'5" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u> </u> |
| Track Length 3750 mm 12'3" | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>12' 4"</u> |
| Length to Center of Rollers 3040 mm 9'11" | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>10'</u> |
| Track Gauge 1990 mm 6'6" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u> </u> |
| Transport Width-500 mm (20") shoe | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>24"</u> |

?

Working Ranges and Forces


| | | | |
|--|-------------------------------------|-------------------------------------|-----------------------------|
| Boom Reach 4.65 m (15'3") | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>15' 2"</u> |
| Stick Reach R3.0 m (9'10") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u> </u> |
| Bucket GD 0.53 m (0.69 yd) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u> </u> |
| Maximum Digging Depth 6040 mm 19'9" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>19' 10"</u> |
| Maximum Reach at Ground Line 8660 mm 28'4" | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>28' 9"</u> |
| Maximum Cutting Height 8830 mm 28'11" | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>29' 8"</u> |
| Maximum Loading Height 6420 mm 21'0" | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>21' 11"</u> |
| Minimum Loading Height 1600 mm 5'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u> </u> |
| Maximum Depth Cut for 2440 mm (8'0") 5860 mm 19'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>19' 3"</u> |
| Maximum Vertical Wall Digging Depth 5190 mm 17'0" | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>17' 7"</u> |
| Minimum Working Equipment Radius 2570 mm 8'5" | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>8' 9"</u> |

←

Initial JV Date 5/30

YES NO OFFERED

Bucket Digging Force (ISO) 98.67 kN 2,180 lbf

95 kN 

Stick Digging Force (ISO) 59.29 kN 13,330 lbf

60 kN

YES NO OFFERED

Warranty

Five year Warranty "Bumper to Bumper"
Bidder Must attach a list of covered items.

Initial JV Date 5/30

MANDATORY BID SHEET

COMPANY NAME: Lee Tractor Company

ADDRESS: 154 Concourse Dr. Pearl, Ms 39208

TELEPHONE: (601) 944-6120

FAX NUMBER: (601) 944-6126

EMAIL: jj@LeeTractor.net

John Vice
AUTHORIZED REPRESENTATIVE'S SIGNATURE

DATE

John Vice
PRINTED AUTHORIZED REPRESENTATIVE'S NAME HERE

PROPOSAL SHEET MUST BE SIGNED AND DATED BY AN AUTHORIZED COMPANY REPRESENTATIVE

MUST INCLUDE PRODUCT SUMMARY, INCLUDING DETAILS OF ALL FEATURES AND OPTIONS OF PROPOSED VEHICLE

PURCHASED PROTECTION PLAN

MASTER PARTS SCHEDULE

CONSTRUCTION EQUIPMENT

This plan provides coverage for the components listed below when a failure occurs due to a defect in material or workmanship of the listed component, and may provide coverage for additional components not listed when the damage is caused by or resulting from a covered failure of a listed component. Physical damage including rubbing, chaffing, corrosion, pinching or loose connections is excluded.

POWERTRAIN COVERAGE

| | |
|--|---|
| ENGINE and all internal lubricated components within Air Lines and Pipes Accessory Gears Camshaft Camshaft Bearings Camshaft Drive Gear Connecting Rods & Bearings Crankshaft Bearings & Gear Crankshaft Including Front And Rear Crankshaft Seals Cylinder Heads/ Head Gaskets Cylinder Liners Engine Block Engine Oil Cooler Engine Speed Controls, Linkages, and Cables Flywheel Housing and Gasket Flywheel, Ring Gear Front And Rear Engine Covers And Seals Front Damper Oil Pan And Gasket Oil Pump Pistons & Rings Pressure/Temperature Sensors & Sending Units Rocker Arm Assembly Thermostats Timing Gears Valve Cover And Gasket Water Pumps | TRANSMISSIONS/AXLES/HYDROSTATICS Actuators, Controllers, and Sensors (Drive and Swing Function Only) Axle Housing includes internal parts Clutch Housing includes internal parts except dry disk Differential Housings includes internal parts Counter Shaft Clutch Drive Shaft Support Bearing Drive Shaft with Universal Joints Electric Final Drive Motors Electronic Transmission Controller and Valve Enclosed Oil Immersed Chains and Sprockets Final Drive/ Planetary Gear Set Front Wheel Drive Sensors Hydraulic Drive / Travel Motor Hydraulic Drive Pump Hydraulic Transmission-Control Valve Hydrostatic Motor Hydrostatic Transmission Charge Pump Hydrostatic Transmission Pump Hydrostatic/Hydraulic Pump Drives Internal Lubricated Clutch Housings Internal Transmission Control Linkage Internal Wet Service Brakes IPTO Clutch Housing (Scraper Tractors Only) MFWD Axle/Differential Assembly including Driveshaft and U Joint Rotary Electric Manifold (Wheeled Excavators Only) Rotary Hydraulic Manifold Splitter Drive/Drop Box Swing Motor And Swing Gear Box includes internal parts Torque Converter Torque Converter Pump Transfer Drive Transmission Case includes internal parts except dry clutch disk Transmission Cooler Transmission Pump Travel & Swing Sections (only) Of Main Control Valve Travel Control Valve Turntable Bearing Wet Service Brakes Wet Steering Brakes and Clutches ... and all internally lubricated parts within the above systems |
| Engine Components Covered after Emission Warranty Charge Air Cooler Electronic Engine Control Module EGR System Manifold Injection Pumps (Mech. Elec. & Common Rail) and Gaskets Injectors Intake and Exhaust Manifold And Gaskets Turbocharger And Gasket | |
| Hybrid Drive (if applicable) Generator Hybrid System Battery (coverage applies to "new" equipment classifications only and is limited to 5 yrs from original machine base warranty start date, or 8,000 total hrs, whichever occurs first) Inverter Motor | |
| Full Electric Units (Travel and Hydraulic Functions Only) Batteries (coverage applies to "new" equipment classifications only and is limited to 5 yrs from original machine base warranty start date, or 8,000 total hrs, whichever occurs first) DC/DC Converter Electric Motors (Hydraulic Pumps) Electric Motors (Propel Function) Fuse/Breaker Boxes Inverters Onboard Charger | |
| <i>This plan excludes coverage for any failure to any component caused by or resulting from the failure of a component not listed as a covered component, including any resulting damage to a listed component. See the Terms and Conditions document for complete plan details.</i> | |

POWERTRAIN PLUS HYDRAULIC COVERAGE

All components listed under Powertrain, plus:

| | |
|---|---|
| Actuators, Controllers, and Sensors (Hydraulic Functions Only) Accumulator And Related Relief Valve Brake Accumulator Brake Pressure Sensor Brake Pump, Brake Valve Differential Lock Valve Fan Pumps And Motors Hydraulic Cylinders Hydraulic Hoses and Piping Hydraulic Motors | Hydraulic Motors Hydraulic Oil Filter Base Hydraulic Oil Coolers Hydraulic Pumps Hydraulic Reservoir Hydraulic Valves Pilot Control Pressure Reducing Valves Unloading Valves |
|---|---|

This plan excludes coverage for any failure to any component caused by or resulting from the failure of a component not listed as a covered component, including any resulting damage to a listed component. See the Terms and Conditions document for complete plan details.

PURCHASED PROTECTION PLAN

MASTER PARTS SCHEDULE

CONSTRUCTION EQUIPMENT

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PREMIER COVERAGE

All components listed under Powertrain and Powertrain + Hydraulics, plus:

ENGINE

Air Compressor
Air Intake Hose
Engine Mounts And Supports
Fan And Fan Drive
Fuel Lines
Fuel Tank
Fuel Transfer & Feed Pumps & Gasket
Oil Filler Tube
Oil Filter Mount
Oil Lines
Pulleys
Radiator
Water Piping

Engine Components Covered after Emission Warranty
Catalytic Converter
Diesel Particulate Filter
Selective Catalytic Reduction System
Diesel Exhaust Fluid Tank and Dispensing System
Cold Start Enrichment Systems
Sensors, Solenoids & Wiring Harnesses used in these systems

FACTORY INSTALLED HEAT AND AIR CONDITIONING

Accumulator
Clutch
Compressor
Condenser
Dryer
Evaporator
Expansion Valve
Heater Core
Hoses
Pulley
Seals & Gaskets
Temperature Control Programmers and Valves

CAB

Seat Frame
Seat Suspension System

TRANSMISSION / AXLES / HYDROSTATICS

Control Rods
External Oil Lines
Filler Tubes (Transmission)
Pneumatic Valves
Undercarriage Roller And Idler Seals And Bearings
Undercarriage Tensioners

UNDERCARRIAGE EXCLUSIONS:

.....Sprocket, Tracks, Pads, Bolts, Chains, Or Any Failure
Due To Wear, Or Breakage Caused By Wear

ELECTRICAL

Alternator
Gauges
Horn
Indicators
Instruments
Factory Installed Electronic Controllers
Electronic Joysticks
Electric Motors
Sensors
Solenoid Valves
Starter And Starter Solenoid
Switches
Traction Control System
Voltage Regulator
Wiring Harnesses

Wiring Harnesses Exclusions

.....Rubbing, Chafing, Loose Or Corroded Connections

STRUCTURAL

Backhoe Booms
Backhoe Loader Arms
Backhoe/Excavator Dipper Sticks
Car Body
Engine Frame
Equipment Frame
Excavator Booms
Forklift Masts
Main Frame
Telehandler Booms
Wheel Loader/Skid steer Loader Arms

This plan excludes coverage for any failure to any component caused by or resulting from the failure of a component not listed as a covered component, including any resulting damage to a listed component. See the Terms and Conditions document for complete plan details.

ENGINE

| | |
|---|--|
| Model | FPT NEF4 |
| Emissions Certification | Tier 4 Final/Stage V |
| Fuel | Requires ultra-low sulfur fuel B5 biodiesel tolerant |
| Type | Water-cooled, 4-cycle diesel, 4-cylinder in line, high pressure common rail system – electric control. Fixed geometry turbocharger w/ air cooled intercooler, ATS, EGR-free |
| Cylinders | 4-cylinder in-line |
| Displacement | 274 in ³ (4.49 L) |
| Bore/Stroke | 4.09 x 5.2 in (104 x 132 mm) |
| Fuel injection | High pressure common rail system – electronic |
| Fuel filter | Replaceable, full flow spin-on cartridge |
| Air filter | Dry type dual element w/ warning restriction indicator |
| Oil filter | Replaceable, full flow spin-on cartridge |
| Engine gradeability: | |
| Side-to-side | 35° |
| Fore and aft | 35° |
| Net horsepower – SAE J1349 @ 2000 RPM: | 102 hp (76.4 kW) |
| Net max. torque – SAE J1349 @ 1800 RPM: | 273 lbf-ft (370 N·m) |
| Cooling operating range: | 109° to -13°F (43° to -25°C) |
| Oil | Requires low-ash oil CJ-4 |

DRIVETRAIN

| | |
|---------------------|--|
| Travel control | Dual stage relief/ counter balance design |
| Brakes | Mechanical disc |
| Two speed travel: | |
| Max. high speed | 3.5 mph (5.7 km/h) |
| Max. low speed | 2.1 mph (3.4 km/h) |
| Automatic downshift | |
| Drawbar pull | 26,300 lbf (117 kN) |
| Gradeability | 70% – 35° Slope |

ELECTRICAL

| | |
|--------------------------|-----------------|
| Voltage | 24 Volts |
| Alternator rating | 90 amp |
| Batteries | 2 x 12 Volt |
| Battery reserve capacity | 72 Ah/5 hour |
| Work lights – 4 | 24 Volt/70 watt |
| 1 boom, 1 upper, 2 cab | |

OPERATOR ENVIRONMENT

| | |
|----------------------------------|---------------|
| Air conditioner output | 18,100 BTU/hr |
| Heater output | 20,150 BTU/hr |
| Sound level inside cab – ISO6395 | 70 dBA |
| Electrical outlet | 12 Volt |
| Cab interior light | 10 watt |
| Rear and side view cameras | |

Operator's Cab:

Smooth and round shape design cab; Safety glass for all windows; Shock-less cab suspension by 4-point fluid mounting; Sliding front window w/ auto lock; 10" Full-color LCD monitor display; Membrane switch on monitor display; Switch panel (including throttle dial w/ eco-mode switch); Windshield wiper & washer; AM/FM/Bluetooth Radio w/ hands-free phone; Sectioned floor mat; Polycarbonate roof hatch & Sun shade; Auto air conditioner; Roll-over protective structure (ROPS); Top guard OPG level 1 (in cab structure).

Seat:

Low frequency air suspension w/ air springs and double acting hydraulic damper; Manual weight adjustment; Backrest angle adjustment; Seat height adjustment; Adjustable armrest (Angle and height); Adjustable headrest; Retractable seat belt; Adjustable lumbar support; Console mount on suspension; Control consoles adjust independently of seat.

ATTACHMENT

| | |
|----------------------|---|
| Boom | 15 ft 2 in (4 630 mm) |
| Arm options | 8 ft 2 in (2.5 m) 9 ft 10 in (3.01 m) 6 ft 11 in (2.11 m) |
| Bucket digging force | 20,200 lbf (90 kN) |
| w/ auto power up | 21,400 lbf (95 kN) |

NOTE: *Digging force ratings based on ISO6015.

OPERATING WEIGHT

| | |
|------------------|-----------------------|
| Operating weight | 28,900 lb (13 100 kg) |
| w/ shoes | 2 ft 0 in (600 mm) |
| w/ boom | 15 ft 2 in (4 630 mm) |
| w/ arm | 8 ft 2 in (2.5 m) |
| w/ bucket | 882 lb (400 kg) |
| w/ counterweight | 4,100 lb (1 870 kg) |

NOTE: W/ operator/full fuel/standard equipment.

GROUND PRESSURE

@ Standard operating weight 4.8 psi (0.33 bar)
w/ 23.6 in (600 mm) triple grouser shoes

HYDRAULICS

| | |
|--|---|
| System design | Open center |
| Main pumps | Two-variable displacement/ axial piston pumps w/ regulating system |
| Max. rated flow x 2 | 34.1 gpm (129 L/min) @ 2000 RPM |
| System pressures: | |
| Boom, arm and bucket | 4,970 psi (343 bar) |
| w/ Auto Power Up | 5,260 psi (363 bar) |
| Travel circuits | 4,970 psi (343 bar) |
| Swing circuits | 4,050 psi (279 bar) |
| Pilot pump | 1 x gear design |
| Max. capacity | 5.3 gpm (20 L/min) |
| Pilot system working pressure: | 570 psi (39 bar, 40 kgf/cm ²) |
| Control valve w/ boom/arm holding valve: | |
| Right track travel, bucket, boom and arm acceleration. | 1 x Four-spool section |
| Left track travel, auxiliary, swing, boom and arm acceleration. | 1 x Five-spool section |
| Work mode selections | SP – Mode Power – Mode Eco – Mode Lift – Mode |
| Swing motor | Fixed displacement axial piston |
| Swing brake | Mechanical disc brake |
| Turn table bearing | Ball bearing type w/ internal gear |
| Swing final drive | Planetary gear reduction |
| Travel motor | Two-speed independent travel/axial piston |

HYDRAULIC CYLINDERS

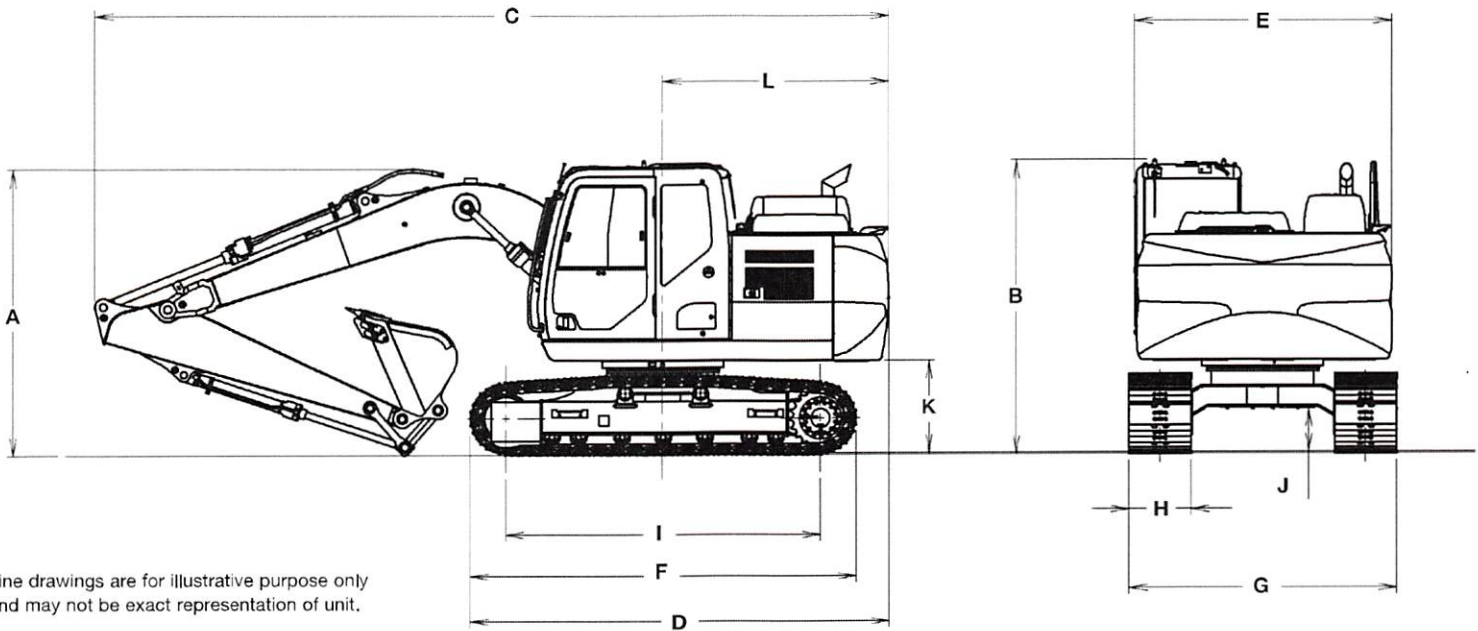
| | |
|-----------------------|--------------------|
| Boom cylinders | Two (2) |
| Cylinder bore | 4.1 in (105 mm) |
| Cylinder rod diameter | 2.8 in (70 mm) |
| Cylinder stroke | 37.8 in (961 mm) |
| Arm cylinder | One (1) |
| Cylinder bore | 4.5 in (115 mm) |
| Cylinder rod diameter | 3.1 in (80 mm) |
| Cylinder stroke | 43.6 in (1 108 mm) |
| Bucket cylinder | One (1) |
| Cylinder bore | 3.7 in (95 mm) |
| Cylinder rod diameter | 2.6 in (65 mm) |
| Cylinder stroke | 34.7 in (881 mm) |

SERVICE CAPACITIES

| | |
|----------------------|------------------|
| Fuel tank | 66 gal (250 L) |
| Hydraulic system | 41 gal (157 L) |
| Hydraulic tank | 22 gal (82 L) |
| Engine oil w/ filter | 2.9 gal (10.8 L) |
| Swing drive | 0.6 gal (2.2 L) |
| Final drive | 0.6 gal (2.3 L) |
| Cooling system | 5.3 gal (20 L) |
| DEF tank | 16 gal (60 L) |

OTHER SPECIFICATIONS

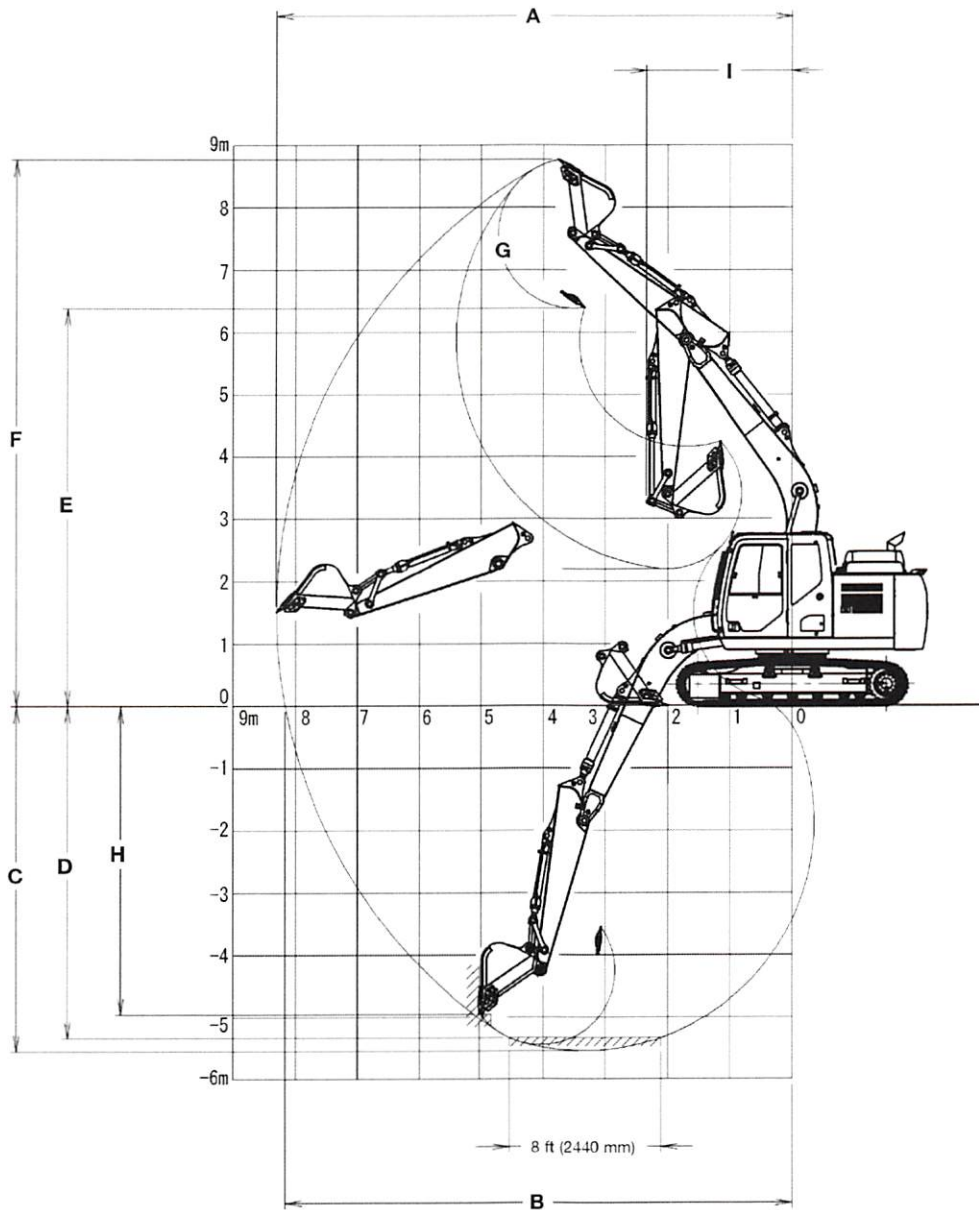
| | |
|------------------------------------|----------------------------|
| Swing speed | 14.2 RPM |
| Swing torque | 24,400 lbf-ft (33 kN-m) |
| Swing brake | Mechanical disc |
| Undercarriage: | |
| Length | 12 ft 4 in (3 760 mm) |
| Track gauge | 6 ft 6 in (1 990 mm) |
| Carrier rollers – each side | 2 |
| Track rollers – each side | 7 |
| Shoes – triple grouser – each side | 46 |
| Shoe width – std. | 2 ft 0 in (600 mm) |
| Link pitch | 7 in (172 mm) |
| Track: | |
| Chain | Grease lubricated/strutted |
| Guides | Single |
| Adjustment | Hydraulic |



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

| | 8 ft 2 in (2.50 m) Arm | 9 ft 10 in (3.01 m) Arm | 6 ft 11 in (2.11 m) Arm |
|--|------------------------|-------------------------|-------------------------|
| A. Overall height | 9 ft 1 in (2 760 mm) | 9 ft 0 in (2 740 mm) | 8 ft 9 in (2 670 mm) |
| B. Cab height | 9 ft 3 in (2 830 mm) | 9 ft 3 in (2 830 mm) | 9 ft 3 in (2 830 mm) |
| C. Overall length – with attachment | 25 ft 3 in (7 660 mm) | 25 ft 3 in (7 660 mm) | 25 ft 3 in (7 660 mm) |
| D. Overall length – without attachment | 13 ft 3 in (4 050 mm) | 13 ft 3 in (4 050 mm) | 13 ft 3 in (4 050 mm) |
| E. Width of upper structure | 9 ft 2 in (2 800 mm) | 9 ft 2 in (2 800 mm) | 9 ft 2 in (2 800 mm) |
| F. Track overall length | 12 ft 4 in (3 760 mm) | 12 ft 4 in (3 760 mm) | 12 ft 4 in (3 760 mm) |
| G. Track overall width with 23.6 in (600 mm) shoes | 8 ft 6 in (2 590 mm) | 8 ft 6 in (2 590 mm) | 8 ft 6 in (2 590 mm) |
| H. Track shoe width | 2 ft 0 in (600 mm) | 2 ft 0 in (600 mm) | 2 ft 0 in (600 mm) |
| I. Center to center – idler to sprocket | 10 ft 0 in (3 040 mm) | 10 ft 0 in (3 040 mm) | 10 ft 0 in (3 040 mm) |
| J. Upper structure ground clearance | 2 ft 11 in (900 mm) | 2 ft 11 in (900 mm) | 2 ft 11 in (900 mm) |
| K. Minimum ground clearance | 1 ft 5 in (420 mm) | 1 ft 5 in (420 mm) | 1 ft 5 in (420 mm) |
| L. Rear tail swing radius | 7 ft 2 in (2 190 mm) | 7 ft 2 in (2 190 mm) | 7 ft 2 in (2 190 mm) |



PERFORMANCE SPECS

| | 8 ft 2 in (2.50 m) Arm | 9 ft 10 in (3.01 m) Arm | 6 ft 11 in (2.11 m) Arm |
|---|-------------------------------|--------------------------------|--------------------------------|
| A. Maximum dig radius | 27 ft 3 in (8 310 mm) | 28 ft 9 in (8 770 mm) | 26 ft 1 in (7 960 mm) |
| B. Dig radius at groundline | 26 ft 10 in (8 170 mm) | 28 ft 4 in (8 640 mm) | 25 ft 7 in (7 810 mm) |
| C. Maximum dig depth | 18 ft 3 in (5 550 mm) | 19 ft 10 in (6 050 mm) | 16 ft 11 in (5 160 mm) |
| D. Dig depth – 8 ft 0 in (2.44 m) level bottom | 17 ft 6 in (5 330 mm) | 19 ft 3 in (5 870 mm) | 16 ft 2 in (4 920 mm) |
| E. Dump height | 21 ft 0 in (6 390 mm) | 21 ft 11 in (6 680 mm) | 20 ft 3 in (6 170 mm) |
| F. Maximum reach height | 28 ft 9 in (8 770 mm) | 29 ft 8 in (9 050 mm) | 28 ft 1 in (8 550 mm) |
| G. Bucket rotation | 178° | 178° | 178° |
| H. Maximum vertical wall dig depth | 16 ft 3 in (4 950 mm) | 17 ft 7 in (5 350 mm) | 15 ft 1 in (4 600 mm) |
| I. Minimum swing radius | 7 ft 8 in (2 340 mm) | 8 ft 9 in (2 660 mm) | 7 ft 9 in (2 360 mm) |
| Arm digging force: | | | |
| Standard | 13,900 lbf (62 kN) | 12,600 lbf (56 kN) | 15,700 lbf (70 kN) |
| Auto Power Up | 14,800 lbf (66 kN) | 13,500 lbf (60 kN) | 16,600 lbf (74 kN) |
| Bucket digging force: | | | |
| Standard | 20,200 lbf (90 kN) | 20,200 lbf (90 kN) | 20,200 lbf (90 kN) |
| Auto Power Up | 21,400 lbf (95 kN) | 21,400 lbf (95 kN) | 21,400 lbf (95 kN) |

NOTE: *Following number indicates hydraulic capacity

| Load Point (ft) | MINIMUM REACH | 0 ft (0 m) | 5 ft (1.5 m) | 10 ft (3 m) | 15 ft (4.5 m) | 20 ft (6 m) | MAXIMUM REACH |
|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| +25 ft (7.5 m) | 11 ft 10 in (3.61 m) | 6,724 lb* (3,050 kg) | 7,950 lb* (3,600 kg) | 7,950 lb* (3,600 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,100 lb* (2,740 kg) |
| +20 ft (6 m) | 12 ft 6 in (3.82 m) | 7,850 lb* (3,560 kg) | 7,850 lb* (3,560 kg) | 7,850 lb* (3,560 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| +15 ft (4.5 m) | 13 ft 9 in (4.21 m) | 7,150 lb* (3,230 kg) | 7,150 lb* (3,230 kg) | 7,150 lb* (3,230 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| +10 ft (3 m) | 14 ft 2 in (4.33 m) | 6,700 lb* (3,040 kg) | 6,700 lb* (3,040 kg) | 6,700 lb* (3,040 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| +5 ft (1.5 m) | 15 ft 2 in (4.63 m) | 6,250 lb* (2,820 kg) | 6,250 lb* (2,820 kg) | 6,250 lb* (2,820 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| Groundline | 16 ft 10 in (5.00 m) | 5,900 lb* (2,670 kg) | 5,900 lb* (2,670 kg) | 5,900 lb* (2,670 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| -5 ft (1.5 m) | 17 ft 2 in (5.24 m) | 5,450 lb* (2,470 kg) | 5,450 lb* (2,470 kg) | 5,450 lb* (2,470 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| -10 ft (3 m) | 18 ft 10 in (5.69 m) | 4,950 lb* (2,250 kg) | 4,950 lb* (2,250 kg) | 4,950 lb* (2,250 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| -15 ft (4.5 m) | 19 ft 2 in (5.84 m) | 4,500 lb* (2,040 kg) | 4,500 lb* (2,040 kg) | 4,500 lb* (2,040 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |
| -20 ft (6 m) | 20 ft (6.10 m) | 4,050 lb* (1,830 kg) | 4,050 lb* (1,830 kg) | 4,050 lb* (1,830 kg) | 8,500 lb* (3,860 kg) | 6,129 lb* (2,780 kg) | 5,000 lb* (2,250 kg) |

6 ft 11 in (2.11 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,120 lb (1,870 kg) counterweight.

| Load Point (ft) | MINIMUM REACH | 0 ft (0 m) | 5 ft (1.5 m) | 10 ft (3 m) | 15 ft (4.5 m) | 20 ft (6 m) | 25 ft (7.5 m) | MAXIMUM REACH |
|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| +25 ft (7.5 m) | 13 ft 8 in (4.22 m) | 6,350 lb* (2,860 kg) | 6,350 lb* (2,860 kg) | 6,350 lb* (2,860 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| +20 ft (6 m) | 15 ft 5 in (4.71 m) | 6,150 lb* (2,790 kg) | 6,150 lb* (2,790 kg) | 6,150 lb* (2,790 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| +15 ft (4.5 m) | 17 ft 2 in (5.24 m) | 5,900 lb* (2,670 kg) | 5,900 lb* (2,670 kg) | 5,900 lb* (2,670 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| +10 ft (3 m) | 18 ft 11 in (5.68 m) | 5,450 lb* (2,470 kg) | 5,450 lb* (2,470 kg) | 5,450 lb* (2,470 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| +5 ft (1.5 m) | 19 ft 10 in (5.85 m) | 5,000 lb* (2,250 kg) | 5,000 lb* (2,250 kg) | 5,000 lb* (2,250 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| Groundline | 20 ft 4 in (6.20 m) | 4,550 lb* (2,060 kg) | 4,550 lb* (2,060 kg) | 4,550 lb* (2,060 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| -5 ft (1.5 m) | 21 ft 2 in (6.46 m) | 4,100 lb* (1,850 kg) | 4,100 lb* (1,850 kg) | 4,100 lb* (1,850 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| -10 ft (3 m) | 22 ft 8 in (6.95 m) | 3,650 lb* (1,650 kg) | 3,650 lb* (1,650 kg) | 3,650 lb* (1,650 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| -15 ft (4.5 m) | 24 ft 4 in (7.43 m) | 3,200 lb* (1,450 kg) | 3,200 lb* (1,450 kg) | 3,200 lb* (1,450 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| -20 ft (6 m) | 26 ft 0 in (7.92 m) | 2,750 lb* (1,250 kg) | 2,750 lb* (1,250 kg) | 2,750 lb* (1,250 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |
| -25 ft (7.5 m) | 27 ft 8 in (8.48 m) | 2,300 lb* (1,050 kg) | 2,300 lb* (1,050 kg) | 2,300 lb* (1,050 kg) | 6,800 lb* (3,080 kg) | 6,350 lb* (2,860 kg) | 5,027 lb* (2,280 kg) | 3,417 lb* (1,550 kg) |

9 ft 10 in (3.01 m) Arm, Lift capacities using a 750 lb (340 kg) bucket, 4,120 lb (1,870 kg) counterweight.

| Load Point (ft) | MINIMUM REACH | 0 ft (0 m) | 5 ft (1.5 m) | 10 ft (3 m) | 15 ft (4.5 m) | 20 ft (6 m) | MAXIMUM REACH |
|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| +25 ft (7.5 m) | 11 ft 10 in (3.61 m) | 6,724 lb* (3,050 kg) | 7,950 lb* (3,600 kg) | 7,950 lb* (3,600 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| +20 ft (6 m) | 12 ft 6 in (3.82 m) | 7,850 lb* (3,560 kg) | 7,850 lb* (3,560 kg) | 7,850 lb* (3,560 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| +15 ft (4.5 m) | 13 ft 9 in (4.21 m) | 7,150 lb* (3,230 kg) | 7,150 lb* (3,230 kg) | 7,150 lb* (3,230 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| +10 ft (3 m) | 14 ft 2 in (4.33 m) | 6,700 lb* (3,040 kg) | 6,700 lb* (3,040 kg) | 6,700 lb* (3,040 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| +5 ft (1.5 m) | 15 ft 2 in (4.63 m) | 6,250 lb* (2,820 kg) | 6,250 lb* (2,820 kg) | 6,250 lb* (2,820 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| Groundline | 16 ft 10 in (5.00 m) | 5,900 lb* (2,670 kg) | 5,900 lb* (2,670 kg) | 5,900 lb* (2,670 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| -5 ft (1.5 m) | 17 ft 2 in (5.24 m) | 5,450 lb* (2,470 kg) | 5,450 lb* (2,470 kg) | 5,450 lb* (2,470 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| -10 ft (3 m) | 18 ft 10 in (5.69 m) | 4,950 lb* (2,250 kg) | 4,950 lb* (2,250 kg) | 4,950 lb* (2,250 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| -15 ft (4.5 m) | 19 ft 2 in (5.84 m) | 4,500 lb* (2,040 kg) | 4,500 lb* (2,040 kg) | 4,500 lb* (2,040 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| -20 ft (6 m) | 20 ft (6.10 m) | 4,050 lb* (1,830 kg) | 4,050 lb* (1,830 kg) | 4,050 lb* (1,830 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |
| -25 ft (7.5 m) | 21 ft 2 in (6.46 m) | 3,600 lb* (1,620 kg) | 3,600 lb* (1,620 kg) | 3,600 lb* (1,620 kg) | 8,350 lb* (3,730 kg) | 7,950 lb* (3,600 kg) | 6,195 lb* (2,810 kg) |

8 ft 2 in (2.50 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,120 lb (1,870 kg) counterweight.

STANDARD EQUIPMENT

ENGINE

FPT NEF4
Tier 4 Final/Stage V Certified
ATS
Selective Catalytic Reduction
on Filter – SCRoF
Four-cylinder turbo-charged diesel
Fixed geometry turbocharger
High pressure common rail
system - electronic
Neutral safety start
Auto-engine warm up
Air intake heater
Fuel Economy Assist System – FEA
Engine Protection Feature – EPF
Dual-stage fuel filtration
Dual element air filter
Remote oil filter
Drain for fuel tank
1000-hour engine oil/filter interval
24-volt system
Engine oil sample port
Battery disconnect switch
Emergency engine stop
External Fuel and DEF gauges
Fan housing
Fuel cooler
Fuel filter restriction indicator
Fuel shut-off valve
Radiator, oil cooler,
intercooler – protective chaff screen

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:
Auto-idle
One-touch idle
Timed engine shut down
BEC – Boom Economy Control
AEC – Auto Economy Control
SWC – Swing Relief Control
SSC – Spool Stroke Control

HYDRAULICS

Boom/Arm/Bucket/Swing:
Pilot pressure control system
(ISO or SAE control pattern)
Work mode select:
1 SP – mode
2 Power – mode
3 Eco – mode
4 Lift – mode
Travel mode select – 2-speed travel with
auto downshift
Attachment cushion control
Hydraulic lock – gate lock, left side tilt console
Single pedal travel
Custom flow balance adjustment:
Arm in vs. boom up
Arm in vs. swing
Multi-function with electronic pressure
and flow control/joystick activated
with electronic configurable
proportional controls

UPPER STRUCTURE

ISO mirrors – 3
Cab ISO-Mounts – fluid and spring
Upper mounted work light – 70 watt
Swivel guard belly pan
Center cover – over main CV
Fuel tank belly pan
Handrail – RH access
ISO guard rails
Lifting eyes for counterweight
Lockable fuel cap, service doors and tool box

ATTACHMENTS

Boom – 15 ft 2 in (4.63 m)
Arm – 8 ft 2 in (2.50 m)
Heavy-duty bucket linkage
Boom mounted work light – 70 watt
Auxiliary pipe brackets
Centralized grease fittings
Attachment cushion valve
Arm and boom regeneration
Bucket anti-clatter device
Chrome pins
Easy Maintenance System (EMS) bushings
Teardrop pin retention keepers

OPERATOR ENVIRONMENT

Operators cab:
Smooth and round shape design cab,
fabricated by press work
Safety glass for all windows
Shock-less cab suspension by 4-point
fluid mounting
Sliding front window with auto lock
10 in Full-color LCD monitor display
Membrane switch on monitor display with
5 configurable button on bottom
of monitor
Switch panel – including throttle dial with
eco-mode switch
Windshield wiper & washer
AM/FM/Bluetooth Radio with
hands-free phone
Sectioned floor mat
Polycarbonate roof hatch & Sun shade
Auto climate control
Roll-over protective structure – ROPS
Top guard OPG level 1 – in cab structure
Operator's seat:
Low frequency air suspension with
air springs and double acting
hydraulic damper
With following features:
Manual weight adjustment
Backrest angle adjustment
Seat height adjustment
Adjustable armrest – Angle and height
Adjustable headrest
Retractable seat belt
Adjustable lumbar support
Console mount on suspension
Control consoles adjust
independently of seat
Others:
Rear view mirror – Cab side & Right side
Rear & Right-side view Camera

UNDERCARRIAGE

| | |
|---------------------------|---|
| Travel motor | Variable displacement axial piston motor |
| Brake | Mechanical disc brake |
| Hydraulic service brake | Brake valve |
| Final drive | Planetary gear reduction |
| Travel speeds: | |
| High | 3.5 mph (5.7 km/h) (Automatic travel speed downshifting) |
| Low | 2.1 mph (3.4 km/h) |
| Drawbar pull | 26,300 lbf (117 kN) |
| Number of carrier rollers | 2 – each side |
| Number of track rollers | 7 – each side |
| Number of shoes | 46 – each side |
| Type of shoe | Triple semi-grouser shoe |
| Link pitch | 6.75 in (171.5 mm) |
| Width of shoe | 23.6 in (600 mm) S.T.D |
| Grade-ability | 70% (35°) |

TELEMATICS

CASE SiteWatch™ Telematics – includes
hardware and a 3-yr Advanced
data subscription for 2-way communication

OPTIONAL EQUIPMENT

ENGINE

Refueling pump
Air pre-cleaner – Cyclone
High ambient temperature cooling package

HYDRAULICS

Auxiliary hydraulics:
Proportionally controlled secondary
low-flow auxiliary hydraulics
Hose Burst Check Valve – HBCV

MACHINE CONTROL

Leica iCON iXE2 – 2D System
Leica iCON iXE3 – 3D System

ATTACHMENTS

Heavy-duty arm – 6 ft 11 in (2.11 m)
Long arm – 9 ft 11 in (3.01 m)
Quick coupler/Case multi-pin grabber
Tools:
Heavy-duty/Extreme-duty/Ditching
Buckets; Hammers; Thumbs;
Compaction plates.

UPPER STRUCTURE

Rubber bumper guard – order through
Service Parts

UNDERCARRIAGE

19.7 in (500 mm) rubber link chain, bolt-on
rubber pads on steel chain
27.6 in (700 mm) steel shoes,
triple semi-grouser
Double track chain guides

OPERATOR ENVIRONMENT

FOPS cab top guard – Level 2
Front grill guard – 2 x 2 in (50.8 x 50.8 mm)
screen mesh
Front rock guard – vertical bars
Two piece/OPG 1
Front rock guard – vertical bars
One piece/OPG 2
Vandal guard (front window) with
common key
Rain deflector – not available with
Front guards
Sun visor
Max View Monitor – 3 cameras with
270-degree view
LED Package:
8 LED Lights - 2 front cab mounted, 2 rear
mounted, 1 mounted on boom, 1 mounted
on house, and 1 mounted on each side

CaseCE.com

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE202209CX140ELC

CX140E LC

6 of 6

Puckett



MACHINE SALES QUOTATION

Jackson (601) 969-6000
 Gulfport (228) 832-1711
 Natchez (601) 442-1633
 Meridian (601) 483-4511
 Hattiesburg (601) 268-2000
 Brookhaven (601) 833-5115

_____ of _____ pages

| | |
|---------------|----------------|
| Customer No: | |
| Company Name: | MADISON COUNTY |
| | |
| Contact: | |
| Phone No: | |

| | |
|----------------|----------|
| Quote No: | |
| Date: | 6/2/2024 |
| Salesman: | FERGUSON |
| Machine Model: | 313GC |
| Serial No: | |
| P. O. No: | |

| QTY | DESCRIPTION | PRICE |
|--------------|--|------------|
| NEW | 313GC NEXT GEN CATERPILLAR EXCAVATOR 74 HP CAT ENGINE COMFORT SEAT TOOL CONTROL 28 INCH TRACK SHOES LONG UNDERCARRIAGE SWIVEL GUARD VISION LINK 9 FOOT 10 INCH STICK 48 INCH BUCKET, 1.0 YARD RADIO AM FM REAR AND RIGHT HAND CAMERA 5440 LB COUNTERWEIGHT 5 YEAR OR 5000 FULL MACHINE WARRANTY | 179,070.00 |
| Total | | |

THIS QUOTE IS VALID FOR 30 DAYS
 PRODUCT AVAILABILITY
 _____ DAYS

Accepted by: _____

MADISON COUNTY, MISSISSIPPI
INVITATION FOR BIDS
Hydraulic Diesel Excavator

The Madison County Board of Supervisors will receive un-priced proposals on the following:

1. Hydraulic Diesel Excavator

Un-priced proposals will be accepted until 10:00 a.m. on Friday, May 31, 2024 by electronic submission at <http://www.madison-co.com/bids> or in sealed envelope at the Chancery Clerk's Office, 125 West North Street, Canton, Mississippi. For any questions relating to the electronic submission process, please call Kesha Jackson at 601-855-5534.

Submitted un-priced proposals will be evaluated, and vendors submitting acceptable proposals will be invited to submit priced bids. Bidding will be held by electronic reverse auction on June 5, 2024, at 10:00 a.m. Bidders may come to the Office of Purchasing with a paper bid and receive technical assistance in entering their bid in the reverse auction.

Specifications for the Hydraulic Diesel Excavator are available on the bid page of the Madison County Board of Supervisors at: <http://www.madison-co.com/bids>. Additionally, specifications are on file in the Chancery Clerk's Office, Madison County Office Complex, 125 West North Street, Canton, Mississippi, 39046 and available during normal business hours. There is no charge for specifications obtained using either of these methods.

All bids must comply with the specifications provided. Madison County reserves the right to amend the specifications, as necessary, and agrees to notify all who have requested bid packets from the Madison County Board of Supervisors.

The Madison County Board of Supervisors reserves the right to extend the auction date if necessary, to complete the bid proposal pre-qualification process.

Electronic proposals must be submitted at <http://www.madison-co.com/bids>.

All in-person submitted un-priced proposals must be sealed and clearly labeled on the outside of the bid envelope as instructed in the bid package and delivered to the Chancery Clerk's Office, at 125 West North Street, Canton, Mississippi.

The Board of Supervisors reserves the right to reject any and all bids.

SUBMITTED:

MADISON COUNTY JOURNAL

FOR PUBLICATION ON:

Thursday, May 9, 2024
Thursday, May 16, 2024

PROOF OF PUBLICATION TO:

Madison County Chancery Clerk
PO Box 404
Canton, MS 39046

Madison County Board of Supervisors

Bid Specifications For

New ~~2025~~ ^{NEW} Model or Newer Hydraulic Excavator

Complete by Checking the Following
 IF NOT COMPLIANT, state **Specifically** the item being offered

| | <u>YES</u> | <u>NO</u> | <u>OFFERED</u> |
|---|-------------------------------------|--------------------------|----------------|
| <u>Engine</u> | | | |
| Engine Power-ISO 14396 /55.4kW 74hp | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Engine Power-ISO 9249 /54.3kW 73hp | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Bore 98mm / 4in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Stroke 120 mm 5 in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Displacement 3.6 L 220 in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| <u>Hydraulic System</u> | | | |
| Main System-Maximum Flow 247 L/min 65 gal/min | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Pressure-Equipment 35 000 kPa 5,075 psi | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Pressure-Travel 35 000 kPa 5,075 psi | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Pressure-Swing 26 000 kPa 3,770 psi | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| <u>Swing Mechanism</u> | | | |
| Swing Speed 11.5 rpm | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Swing Torque 35 kN-m 25,888 lbf-ft | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Initial _____ Date _____

YES NO OFFERED

Weights

Operating Weight 13 800 kg 30,400 lb _____
• Reach boom, R3.0(9'10") stick, GD 0.53 m3 (0.69yd) bucket, 700 mm (28") triple grouser shoes, and 2470 kg (5,445 lb) counterweight.

Service Refill Capacities

| | | | |
|--|-------------------------------------|--------------------------|-------|
| Fuel Tank 258L 68.2 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Cooling System 15L 4.0 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Engine Oil 8L 2.2 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Final Drive 3L 0.8 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Hydraulic System (including tank) 85L 22.5 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Hydraulic Tank 70L 18.5 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Dimensions

| | | | |
|--|-------------------------------------|--------------------------|-------|
| Boom Reach 4.65m (15' 3") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Stick Reach R3.0 m (9'10") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Bucket GD 0.53 m3 (0.69 yd) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Shipping Height (top of cab) 2810 mm 9'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Handrail Height 2810 mm 9'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Shipping Length 7780 mm 25'6" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Shipping Length (with blade) 8050 mm 26'4" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tail Swing Radius 2190 mm 7'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Initial _____ Date _____

| | <u>YES</u> | <u>NO</u> | <u>OFFERED</u> |
|--|-------------------------------------|--------------------------|----------------|
| Counterweight Clearance 916 mm 3'0" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Ground Clearance 446 mm 1'5" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Track Length 3750 mm 12'3" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Length to Center of Rollers 3040 mm 9'11" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Track Gauge 1990 mm 6'6" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Transport Width-500 mm (20") shoe | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| <u>Working Ranges and Forces</u> | | | |
| Boom Reach 4.65 m (15'3") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Stick Reach R3.0 m (9'10") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Bucket GD 0.53 m (0.69 yd) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Digging Depth 6040 mm 19'9" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Reach at Ground Line 8660 mm 28'4" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Cutting Height 8830 mm 28'11" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Loading Height 6420 mm 21'0" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Minimum Loading Height 1600 mm 5'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Depth Cut for 2440 mm (8'0") 5860 mm 19'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Vertical Wall Digging Depth 5190 mm 17'0" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Minimum Working Equipment Radius 2570 mm 8'5" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Initial _____ Date _____

YES NO OFFERED

Bucket Digging Force (ISO) 98.67 kN 2,180 lbf

Stick Digging Force (ISO) 59.29 kN 13,330 lbf

YES NO OFFERED

Warranty

Five year Warranty "Bumper to Bumper"

Bidder Must attach a list of covered items.

Initial KF Date 6/4/24

MANDATORY BID SHEET

COMPANY NAME: Pickett Machinery Co

ADDRESS: 100 Coty Miller Dr Flowood Mo 639232

TELEPHONE: 601-209-2670

FAX NUMBER: _____

EMAIL: Kennon.ferguson@pickettmachinery.com

Kennon Ferguson

AUTHORIZED REPRESENTATIVE'S SIGNATURE

DATE

KENNON FERGUSON

PRINTED AUTHORIZED REPRESENTATIVE'S NAME HERE

6/4/24

PROPOSAL SHEET MUST BE SIGNED AND DATED BY AN AUTHORIZED COMPANY REPRESENTATIVE

MUST INCLUDE PRODUCT SUMMARY, INCLUDING DETAILS OF ALL FEATURES AND OPTIONS OF PROPOSED VEHICLE



Cat[®] 313 GC

Hydraulic Excavator

The Cat[®] 313 GC excavator matches its performance to your job. A new, larger cab with an ergonomic layout keeps you comfortable all shift long. Combined with fuel saving features, longer maintenance intervals, and simplified maintenance points, the 313 GC provides the reliability you expect at the low-cost-per-hour you need.

Not all features are available in all regions. Consult your Cat dealer for specific configurations available in your region.

Fuel Saving Performance Matched to the Job

- Use up to 10 percent less fuel than the 313F GC to keep you moving and productive on the jobsite.
- Easily work on slopes and move around the jobsite with 10 percent more swing torque.
- The advanced hydraulic system provides the optimum balance of power and efficiency while providing the control needed for precise digging requirements.
- Smart mode meets your power needs by automatically matching engine and hydraulic power to digging conditions.
- Get higher production in demanding applications, easier penetration into piles, and faster cycle times with Cat Advansys™ bucket tips. Quickly change tips with a simple lug wrench instead of a hammer or special tool, improving safety and uptime.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat attachments.
- The Cat C3.6 engine meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Product Link™ comes standard so you can remotely monitor machine health, location, hours, and fuel consumption on demand through the VisionLink[®] online interface.

Lower Maintenance Costs

- Expect up to 25 percent less maintenance costs than the 313F GC.
- Quickly check and service your machine with all daily maintenance points accessible from ground level.
- Check the engine oil level quickly and safely from the ground. Fill and check engine oil on top of the machine with a conveniently located second dipstick.
- The new hydraulic oil filter provides improved filtration performance, anti-drain valves to keep oil clean when the filter is replaced, and longer life with a 3,000-hour replacement interval – 50 percent longer than previous filter designs.
- The engine does not require diesel exhaust fluid (DEF).
- Track your machine's filter life and maintenance intervals on the in-cab monitor.
- S-O-SSM ports are located at ground level, simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.



GOOD
TR
5/31/24

Madison County Board of Supervisors

KE 2024 Bid Specifications For
New 2025 Model or Newer Hydraulic Excavator
5/21/24

Complete by Checking the Following
IF NOT COMPLIANT, state Specifically the item being offered

| | <u>YES</u> | <u>NO</u> | <u>OFFERED</u> |
|---|-------------------------------------|--------------------------|----------------|
| <u>Engine</u> | | | |
| Engine Power-ISO 14396 /55.4kW 74hp | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Engine Power-ISO 9249 /54.3kW 73hp | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Bore 98mm / 4in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Stroke 120 mm 5 in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Displacement 3.6 L 220 in | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| <u>Hydraulic System</u> | | | |
| Main System-Maximum Flow 247 L/min 65 gal/min | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Pressure-Equipment 35 000 kPa 5,075 psi | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Pressure-Travel 35 000 kPa 5,075 psi | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Pressure-Swing 26 000 kPa 3,770 psi | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| <u>Swing Mechanism</u> | | | |
| Swing Speed 11.5 rpm | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Swing Torque 35 kN-m 25,888 lbf-ft | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Initial _____ Date _____

YES NO OFFERED

Weights

Operating Weight 13 800 kg 30,400 lb _____
• Reach boom, R3.0(9'10") stick, GD 0.53 m³ (0.69yd) bucket, 700 mm (28") triple grouser shoes, and 2470 kg (5,445 lb) counterweight.

Service Refill Capacities

| | | | |
|--|-------------------------------------|--------------------------|-------|
| Fuel Tank 258L 68.2 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Cooling System 15L 4.0 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Engine Oil 8L 2.2 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Final Drive 3L 0.8 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Hydraulic System (including tank) 85L 22.5 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Hydraulic Tank 70L 18.5 gal | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Dimensions

| | | | |
|--|-------------------------------------|--------------------------|-------|
| Boom Reach 4.65m (15' 3") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Stick Reach R3.0 m (9'10") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Bucket GD 0.53 m ³ (0.69 yd) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Shipping Height (top of cab) 2810 mm 9'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Handrail Height 2810 mm 9'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Shipping Length 7780 mm 25'6" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Shipping Length (with blade) 8050 mm 26'4" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tail Swing Radius 2190 mm 7'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Initial _____ Date _____

| | <u>YES</u> | <u>NO</u> | <u>OFFERED</u> |
|---|-------------------------------------|--------------------------|----------------|
| Counterweight Clearance 916 mm 3'0" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Ground Clearance 446 mm 1'5" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Track Length 3750 mm 12'3" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Length to Center of Rollers 3040 mm 9'11" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Track Gauge 1990 mm 6'6" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Transport Width-500 mm (20") shoe | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Working Ranges and Forces

| | | | |
|--|-------------------------------------|--------------------------|-------|
| Boom Reach 4.65 m (15'3") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Stick Reach R3.0 m (9'10") | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Bucket GD 0.53 m (0.69 yd) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Digging Depth 6040 mm 19'9" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Reach at Ground Line 8660 mm 28'4" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Cutting Height 8830 mm 28'11" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Loading Height 6420 mm 21'0" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Minimum Loading Height 1600 mm 5'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Depth Cut for 2440 mm (8'0") 5860 mm 19'2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Maximum Vertical Wall Digging Depth 5190 mm 17'0" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Minimum Working Equipment Radius 2570 mm 8'5" | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Initial _____ Date _____

YES NO OFFERED

Bucket Digging Force (ISO) 98.67 kN 2,180 lbf _____

Stick Digging Force (ISO) 59.29 kN 13,330 lbf _____

YES NO OFFERED

Warranty

Five year Warranty "Bumper to Bumper" _____

Bidder Must attach a list of covered items.

Initial KE Date 5/22/24

MANDATORY BID SHEET

COMPANY NAME: Pickett Machinery Co.

ADDRESS: 100 Caterpillar Drive Flowood Ms 39234

TELEPHONE: 601-969-6000

FAX NUMBER: _____

EMAIL: kennon.ferguson@pickettmachinery.com

Kenon Ferguson
AUTHORIZED REPRESENTATIVE'S SIGNATURE

DATE

KENNON FERGUSON
PRINTED AUTHORIZED REPRESENTATIVE'S NAME HERE

PROPOSAL SHEET MUST BE SIGNED AND DATED BY AN AUTHORIZED COMPANY REPRESENTATIVE

MUST INCLUDE PRODUCT SUMMARY, INCLUDING DETAILS OF ALL FEATURES AND OPTIONS OF PROPOSED VEHICLE

313 GC

HYDRAULIC EXCAVATOR



Engine Power (ISO 14396)
Operating Weight

55.4 kW (74 hp)
13 800 kg (30,400 lbs)

Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.

CAT[®]

THE NEW CAT® 313 GC

EASY TO OWN, OPERATE, MAINTAIN

The 313 GC excavator matches its performance to your job. A new, larger cab with an ergonomic layout keeps you comfortable all shift long. Combined with fuel saving features, longer maintenance intervals, and simplified maintenance points, the 313 GC provides the reliability you expect at the low cost-per-hour you need.



NEXT GENERATION EXCAVATORS

Your business is more competitive than ever. Ready to help make your business stronger, Cat® Next Generation excavators give you new ways to get the most work done at a cost that fits your business.

- + MORE MODEL OPTIONS
- + MORE FUEL SAVING FEATURES
- + MORE WAYS TO BOOST EFFICIENCY



UP TO **25% LESS** MAINTENANCE COSTS



**LESS MAINTENANCE,
MORE PROFITABILITY**

NOTE: COMPARISON IS BASED ON THE 313 GC vs 313F

LOWER FUEL CONSUMPTION BY UP TO 10% ¹

Two power modes – Power mode and Smart mode – help manage fuel consumption.

LOWER MAINTENANCE COSTS BY UP TO 25% ¹

Extended maintenance intervals increase uptime and reduce costs.

WORK IN COMFORT

A larger cab, wider seat, and easy-to-reach controls keep you comfortable all shift long.

¹ Compared to the 313F

CAT EQUIPMENT MANAGEMENT TECHNOLOGY TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

Cat Equipment Management telematics technology helps take the complexity out of managing your jobsites by gathering data generated by your equipment, materials, and people and serving it up to you in customizable formats.



PRODUCT LINK™

Product Link collects data automatically and accurately from your assets – any type and any brand. Information such as location, hours, fuel usage, productivity, idle time, maintenance alerts, diagnostic codes, and machine health can be viewed online through web and mobile applications.



VISIONLINK®

Access information anytime, anywhere with VisionLink. Use it to make informed decisions that boost productivity, lower costs, simplify maintenance, and improve safety and security on your jobsite. With different subscription level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business without paying for extras you don't want. Subscriptions are available with cellular or satellite reporting (or both).

LOWER MAINTENANCE COSTS
UP TO 25%



DO MORE. PAY LESS.

With extended and more synchronized maintenance intervals, you get more done at a lower cost. Meet emission standards without the ongoing expenditures of diesel exhaust fluid (DEF). This along with consolidated filter locations makes servicing your machine faster and easier.

INFORMATION AT YOUR FINGERTIPS

View operating information such as fuel and oil levels as well as critical service alerts on the in-cab touchscreen monitor. Your machine's filter life and maintenance intervals are also trackable on the in-cab monitor.

NEW LONGER LASTING FILTERS

The new hydraulic oil filter provides improved filtration performance, anti-drain valves to keep oil clean when the filter is replaced, and a 3,000-hour replacement interval – 50 percent longer than previous filter designs.

CAB TAKES THE HARD OUT OF WORK

Comfort and movement efficiency help keep operators productive and alert all shift long. Ergonomic control layout reduces twists and turns in the seat. The standard seat is wide and adjustable for operators of virtually any size.

ALL-AROUND VISIBILITY

Enlarged windows and improved machine layout increase visibility from the seat of the cab. Standard rearview and right-side-view cameras always keep operators aware of their surroundings. Powerful, long-lasting LED lights consume minimal power, keeping you safe while working in the dark.

ISO-CERTIFIED ROPS CAB KEEPS YOU SAFE

The ISO-certified ROPS cab is sound suppressed and sealed. The large windows and lower front, right, and rear profile of the machine give outstanding visibility to the work area without the strain of constantly leaning forward.

EASY ACCESS, CONNECTIVITY, AND STORAGE

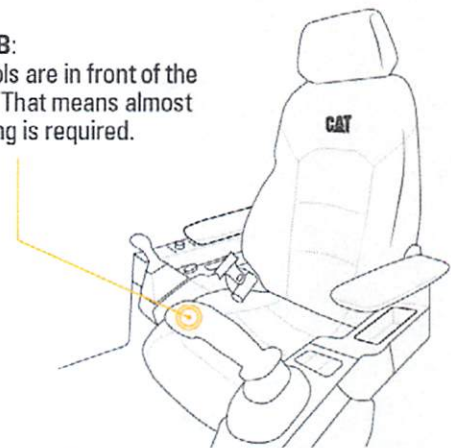
Several built-in convenience features make work more comfortable for operators.

- + BLUETOOTH® INTEGRATED RADIO
- + USB PORTS FOR CHARGING AND PHONE CONNECTIVITY
- + 12V DC OUTLETS AND AUX PORT
- + STORAGE IN REAR, OVERHEAD, AND CONSOLE COMPARTMENTS
- + CUP AND BOTTLE HOLDERS

WE'VE GOT YOUR BACK.

BACK PAIN IS ONE OF THE MOST COMMON REASONS PEOPLE MISS WORK.*

NEW CAB:
All controls are in front of the operator. That means almost no twisting is required.



OLD CAB: 2,000+ twists a year to reach controls in back of cab that can strain your back.

ASSUME 1 TWIST PER HOUR
1 TWIST x 8-HOUR WORKDAY = 8 TWISTS PER DAY
8 TWISTS x 5 WORKDAYS PER WEEK = 40 TWISTS PER WEEK
40 TWISTS x 52 WEEKS PER YEAR = **2,080 TWISTS PER YEAR**

*5 SOURCE: [HTTPS://WWW.NINDS.NIH.GOV/DISORDERS/PATIENT-CAREGIVER-EDUCATION/FACT-SHEETS/LOW-BACK-PAIN-FACT-SHEET](https://www.ninds.nih.gov/disorders/patient-caregiver-education/fact-sheets/low-back-pain-fact-sheet)



NEW SMART MODE

The new Smart mode automatically adjusts engine and hydraulic power for the highest fuel efficiency – less power for tasks such as swinging and more power for digging.



KEYLESS PUSH TO START

The 313 GC uses a keyless push-button engine start. This adds security for the machine by using Operator ID codes to limit and track machine access. Codes can be entered manually, via an optional Bluetooth key fob.



CUSTOMIZABLE JOYSTICKS

Joystick function can be customized through the monitor. Joystick pattern as well as response speed can be set to match operator preferences. All preferences are saved with the Operator ID and restored at log in. Make moving the excavator much easier with Cat Stick Steer. Simply push a button and use one hand to travel and turn instead of both hands or feet on levers or pedals.



TOUCHSCREEN MONITOR

Most machine settings can be controlled through the high-resolution 203 mm/8-inch touchscreen monitor. It offers 42 languages and is easy to read from the seat.

LOOK OUT FOR YOUR PEOPLE AND EQUIPMENT

SAFETY FEATURES

GROUND-LEVEL DAILY MAINTENANCE

All daily maintenance checks can be performed from ground level, making maintenance faster, easier, and safer. Checkpoints include the engine oil dipstick, fuel water separator, fuel tank water and sediment drains, and cooling system coolant level check.

SECURE START

Use your PIN code on the monitor or the optional Bluetooth key fob to enable the push-button starting feature.

UPPER PLATFORM ACCESS

New right service platform design provides easy, safe, and quick access to upper service platform; the service platform steps use anti-skid punch plate to help prevent slipping.



INCREASE YOUR PRODUCTIVITY AND PROFIT WITH CAT ATTACHMENTS

Easily expand the performance of your machine by using any of the variety of Cat attachments. Each Cat attachment is designed to fit the weight and horsepower of Cat excavators for improved performance, safety, and stability.

**CW-DEDICATED
COUPLERS**



**PIN GRABBER
COUPLERS**



HYDRAULIC HAMMERS



**PREVENT HAMMER
WEAR AND TEAR**

Protect your hammer from overworking. Auto hammer stop warns you after 15 seconds of continuous firing and then automatically shuts it off after 30 seconds – all to prevent wear and tear on the attachment and excavator.

CAT LOCATOR

The Cat PL161 Attachment Locator is a Bluetooth device that makes finding your attachments and other gear quick and easy. The Cat app on your phone will locate the device automatically.



GRAPPLES



SHEARS



**VIBRATORY PLATE
COMPACTORS**



MULCHERS



THUMBS



**GENERAL DUTY
BUCKETS**



**HEAVY DUTY
BUCKETS**



**DITCH CLEANING
TILT BUCKETS**



TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

| ENGINE | | |
|--------------------------|----------|---------------------|
| Engine Model | Cat C3.6 | |
| Engine Power – ISO 14396 | 55.4 kW | 74 hp |
| Engine Power – ISO 9249 | 54.3 kW | 73 hp |
| Bore | 98 mm | 4 in |
| Stroke | 120 mm | 5 in |
| Displacement | 3.6 L | 220 in ³ |

| HYDRAULIC SYSTEM | | |
|------------------------------|------------|------------|
| Main System – Maximum Flow | 247 L/min | 65 gal/min |
| Maximum Pressure – Equipment | 35 000 kPa | 5,075 psi |
| Maximum Pressure – Travel | 35 000 kPa | 5,075 psi |
| Maximum Pressure – Swing | 26 000 kPa | 3,770 psi |

| SWING MECHANISM | | |
|----------------------|----------|---------------|
| Swing Speed | 11.5 rpm | |
| Maximum Swing Torque | 35 kN-m | 25,888 lbf-ft |

| WEIGHTS | | |
|--|-----------|-----------|
| Operating Weight | 13 800 kg | 30,400 lb |
| <ul style="list-style-type: none"> • Reach boom, R3.0 (9'10") stick, GD 0.53 m³ (0.69 yd³) bucket, 700 mm (28") triple grouser shoes, and 2470 kg (5,445 lb) counterweight. | | |

| SERVICE REFILL CAPACITIES | | |
|-----------------------------------|-------|----------|
| Fuel Tank | 258 L | 68.2 gal |
| Cooling System | 15 L | 4.0 gal |
| Engine Oil | 8 L | 2.1 gal |
| Final Drive | 3 L | 0.8 gal |
| Hydraulic System (including tank) | 85 L | 22.5 gal |
| Hydraulic Tank | 70 L | 18.5 gal |

| DIMENSIONS | | |
|-------------------------------------|--|-------|
| Boom | Reach 4.65 m (15'3") | |
| Stick | Reach R3.0 m (9'10") | |
| Bucket | GD 0.53 m ³ (0.69 yd ³) | |
| Shipping Height (top of cab) | 2810 mm | 9'2" |
| Handrail Height | 2810 mm | 9'2" |
| Shipping Length | 7780 mm | 25'6" |
| Shipping Length (with blade) | 8050 mm | 26'4" |
| Tail Swing Radius | 2190 mm | 7'2" |
| Counterweight Clearance | 916 mm | 3'0" |
| Ground Clearance | 446 mm | 1'5" |
| Track Length | 3750 mm | 12'3" |
| Length to Center of Rollers | 3040 mm | 9'11" |
| Track Gauge | 1990 mm | 6'6" |
| Transport Width – 500 mm (20") shoe | 2490 mm | 8'2" |

| WORKING RANGES AND FORCES | | |
|---|--|------------|
| Boom | Reach 4.65 m (15'3") | |
| Stick | Reach R3.0 m (9'10") | |
| Bucket | GD 0.53 m ³ (0.69 yd ³) | |
| Maximum Digging Depth | 6040 mm | 19'9" |
| Maximum Reach at Ground Line | 8660 mm | 28'4" |
| Maximum Cutting Height | 8830 mm | 28'11" |
| Maximum Loading Height | 6420 mm | 21'0" |
| Minimum Loading Height | 1600 mm | 5'2" |
| Maximum Depth Cut for 2440 mm (8'0") Level Bottom | 5860 mm | 19'2" |
| Maximum Vertical Wall Digging Depth | 5190 mm | 17'0" |
| Minimum Working Equipment Radius | 2570 mm | 8'5" |
| Bucket Digging Force (ISO) | 98.67 kN | 22,180 lbf |
| Stick Digging Force (ISO) | 59.29 kN | 13,330 lbf |

| AIR CONDITIONING SYSTEM | | |
|---|--|--|
| <ul style="list-style-type: none"> • The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg of refrigerant which has a CO₂ equivalent of 1.216 metric tonnes. | | |

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat dealer for details.

| BOOMS AND STICKS | STANDARD | OPTIONAL |
|--|----------|----------------|
| 4.65 m (15'3") Reach boom | • | |
| R2.5 m (8'2") stick | | • ¹ |
| R2.8 m (9'2") stick | | • ² |
| R3.0 m (9'10") stick | | • |
| CAB | STANDARD | OPTIONAL |
| ROPS, sound suppression | • | |
| Comfort cab: mechanical suspension seat, 203 mm (8") touchscreen monitor | • | |
| Cat Stick Steer | | • |
| CAT TECHNOLOGIES | STANDARD | OPTIONAL |
| Cat Product Link | • | |
| Auto hammer stop | • | |
| ELECTRICAL SYSTEM | STANDARD | OPTIONAL |
| Maintenance-free battery | • | |
| LED chassis light, left-side boom light, cab lights | • | |
| LED right-side boom light | | • |
| Programmable time-delay LED working lights | • | |
| 360° lighting | | • |
| ENGINE | STANDARD | OPTIONAL |
| C3.6 Tier 4 Final/Stage V diesel engine | • | |
| Automatic engine speed control | • | |
| Auto engine shutdown | • | |
| 52°C (125°F) high-ambient cooling capacity without derate | • | |
| -18°C (0°F) cold start capability | • | |
| Electric fuel priming pump | • | |
| Variable speed fan | • | |
| Single fuel filtration system | • | |
| Double element air filter with integrated precleaner | • | |

| HYDRAULIC SYSTEM | STANDARD | OPTIONAL |
|---|----------|----------|
| Boom and stick regeneration circuits | • | |
| Auto hydraulic warmup | • | |
| Auto two-speed travel | • | |
| Electric main control valve | • | |
| Boom and stick drift reduction valve | • | |
| Boom and stick lowering check valves | | • |
| Medium-pressure line | | • |
| High-pressure line | | • |
| Quick coupler line | | • |
| SAFETY AND SECURITY | STANDARD | OPTIONAL |
| Rear- and right-side-view cameras | • | |
| Hydraulic lockout lever | • | |
| Ground-level engine shutoff switch | • | |
| Service platform with anti-skid plate and countersunk bolts | • | |
| Signaling/warning horn | • | |
| SERVICE AND MAINTENANCE | STANDARD | OPTIONAL |
| Grouped engine oil and fuel filters | • | |
| Side entry to service platform | • | |
| Ground-level engine oil dipstick | • | |
| S•O•S SM sampling ports | • | |
| UNDERCARRIAGE AND STRUCTURES | STANDARD | OPTIONAL |
| Grease lubricated track link | • | |
| ISO 15818 tie down points on base frame | • | |
| 500 mm (20") triple grouser shoes | | • |
| 500 mm (20") triple grouser shoes with rubber pad | | • |
| 600 mm (24") rubber shoes | | • |
| 600 mm (24") triple grouser shoes | | • |
| 700 mm (28") triple grouser shoes | | • |
| 770 (30") triple grouser shoes ³ | | • |
| 2470 kg (5,445 lb) counterweight | • | |
| 2500 mm (8'2") blade | | • |
| 2600 mm (8'6") blade | | • |
| 2700 mm (8'10") blade | | • |

¹All regions except North America

²North America only

³Europe only

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area. For additional information, refer to the Technical Specifications brochures for the 313 GC available at www.cat.com or your Cat dealer.

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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www.cat.com www.caterpillar.com

PEDJ0468-01
Replaces: PEDJ0468-00
Build Number: 07C
(N Am, Eur, Turkey)

