

SPECIFICATION, JEA CLASS 320 MID SIZE EXCAVATOR
(57,000 LB Unit)
UPDATED MAY 2019

1. SCOPE

It is the intent of the JEA to purchase **(1) ONE 57,000 LB ZERO Tail Swing Tracked Excavator** (John Deere 245G LC or Equal). Unit must be tested and delivered to the JEA Fleet Facility (5717 New Kings Road Jacksonville, Florida 32209) in complete operational condition, with all required equipment and documentation by **September 25, 2019. Liquidated Damages (\$350.00 per day) Starting September 25, 2019.**

2. MODEL

New Current Model Year ZERO Tail Swing Tracked Excavator with Quick Coupler Buckets (Include 42" and 36" Buckets) and all Plumbing, Controls and Weldments/Brackets for Other Attachments (Hydraulic Ram, Thumb and Etc.).



3. CAB

- 3.1 OSHA Certified ROPS / OPG Enclosed Air Conditioned Cab (Cooling & Heat), with Suspension Seat and Seatbelt.

4. JOY STICK CONTROLS

- 4.1 Ergonomic & readily accessible from the operator seat.

5. BUCKETS

5.1 **BUCKETS (QUICK COUPLER)**

- **42"** Quick Coupler Bucket with replaceable teeth points and bolt on side cutters.
- **36"** Quick Coupler Bucket with replaceable teeth points and bolt on side cutters.

SPECIFICATION, JEA CLASS 320 MID SIZE EXCAVATOR
(57,000 LB Unit)
UPDATED MAY 2019

6. VANDALISM PROTECTION AND KEYS

- 6.1 Locking Caps/Compartments: Required for battery, fuel, hydraulic oil, engine oil and water reservoirs.
- 6.2 Three (3) complete sets of keys per unit (Including Attachments, Bins & Tool Boxes). Key bins & tool boxes alike. **Stamp/Engrave JEA PROVIDED 5 Digit Unit Number on all KEYS.** If not able to stamp keys, provide a Brass Key Tag.

7. ENGINE (DIESEL)

- 7.1 Four Cylinder: Liquid Cooled with minimum 158 Net HP.
- 7.2 Displacement: Minimum 315 CID.
- 7.3 ANTI FREEZE: Extended Life, Highest Quality Available with Corrosion Protection.
- 7.4 Exhaust: Include rain cap if required.
- 7.5 Air Cleaner: Dry type with service indicator.

8. ELECTRICAL SYSTEM

- 8.1 Twenty four volt system.
- 8.2 Electric tachometer and fuel shutoff.
- 8.3 Safety start device.
- 8.4 Batteries: 2

9. FUEL TANK

- 9.1 Capacity: Minimum 85 gallons with operator station fuel gauge.

10. CAPABILITY / BOOM

- 10.1 Boom Digging Radius at Ground Level: Between 32' and 34'.
- 10.2 Boom Digging Depth: Between 21' and 22'5".
- 10.3 Boom Dumping Height: Between 28' and 30'.
- 10.4 Dig Height: Between 35'6" and 37'6"

11. DIMENSIONS, GROUND CLEARANCE and TAIL SWING RADIUS (Stowed/Transport Position)

- 11.1 Overall Height: Not to exceed 10'6".
- 11.2 Overall Length: Not to exceed 30'6".
- 11.3 Overall Width: Not to exceed 10' 6".
- 11.4 Ground Clearance: Between 17" and 18".

**SPECIFICATION, JEA CLASS 320 MID SIZE EXCAVATOR
(57,000 LB Unit)
UPDATED MAY 2019**

11.5 Tail Swing Radius: Not to exceed 5'6".

11.6 Track Width: Between 31.5" and 32"

12. PERFORMANCE

12.1 Bucket Breakout Force: Between 34,600 LBF and 35,300 LBF.

12.2 Bucket Pressure, Bar: 4,965 PSI or greater.

12.3 Travel Speed: Between 3.1 MPH and 3.5MPH

12.4 Max Drawbar Pull: 45,500 LBS or greater.

12.5 Gradeability: 70%

13. ADDITIONAL REQUIRED EQUIPMENT / OPTIONS

If not furnished as standard equipment/options, the following items shall be furnished, installed and included in the bid price

13.1 Oil pressure, engine temperature, hydraulic temperature and charging indicator or gauges in cab.

13.2 LED Work Light Package: 2 front mounted and 2 rear mounted on upper corners of cab and 1 mounted on boom.

13.3 Hydraulic system temperature warning light.

13.4 Enclosed Conditioned Cab: Cooling & Heating.

13.5 Mechanical Control Pattern Selector: Excavator/Crawler & Back Hoe Mode.

13.6 Auxiliary Hydraulics, Attachment Combination Kit: Include all Plumbing & Controls for Hydraulic Attachments and Dripless Quick Connect Couplings for a Thumb, Handy Ram Etc.

13.7 Back Up Camera (7" Diagonal Screen with Night Vision) with Travel Alarm.

13.8 Heavy Duty D-Ring: Welded to back of buckets for lifting (Rated for Bucket/Boom Capacity).

13.9 MASTER SWITCH WITH LOCKOUT/TAGOUT: Mount in the battery compartment with the correct size/type of wire.



SPECIFICATION, JEA CLASS 320 MID SIZE EXCAVATOR
(57,000 LB Unit)
UPDATED MAY 2019

14. WEIGHT

- 14.1 **OPERATING WEIGHT: Between 56,500 LBS and 57,500 LBS.** USING MANUFACTURER'S STANDARD COUNTER WEIGHT. NO OPTIONAL COUNTERWEIGHT SHALL BE USED IN ORDER TO BRING THE MACHINE TO THE MINIMUM WEIGHT SPECIFIED.

15. TRAINING / ORIENTATION, MANUALS & DOCUMENTATION

- 15.1 Must provide TWO (2) onsite JEA Operator Orientation Training Sessions.
- 15.2 Must provide ONE (1) onsite JEA Maintenance Training Session.
- 15.3 Must include ONE (1) operator manual per unit (Hard Copy).
- 15.4 Must include a paper copy Specification / Build Sheet with all units. Or, an electronic copy.
- 15.5 Must include/document the Vin Number, Make, Model Description, JEA PO # and JEA Provided 5 Digit Unit # on all Invoices.
- 15.6 Must include a Current Inspection / Service with Decal installed lower left inside corner of front glass. Decal must include current hours, current Inspection date, next service due date and next service due hours.

16. COLOR/GRAPHICS

- 16.1 Manufacturer's standard color.
- 16.2 Delete all vendor and manufacturer identification decals except required safety & reference identification tags, decals, data plates & placards.

17. WARRANTY

- 17.1 One (1) Year Full Machine Warranty including Parts, Travel Time, Transport and Mileage. Must include and list all Standard Manufacturer's Warranties. Include and list all Standard Component Warranties.
- 17.2 Warranty period starts when units received at the JEA Fleet Facility, Inspected and Accepted.

18. PARTS AVAILABILITY AND VENDOR SUPPORT

- 18.1 Engine Oil Filters, Hydraulic Filters, Tracks, Sprockets, Pins, Rollers & Etc. must be readily available within 48 hours.
- 18.2 Awarded Vendor must have a Facility located in the JEA Service Area. The Vendor must be certified to perform Preventive maintenance, repairs and warranty repairs on the equipment.

NOTE: All Units, Attachments, Products & Services must meet & comply with all applicable regulations and specifications including but not limited to Federal and State Laws, OSHA Regulations, ANSI Standards, DOT Regulations and ASTM Standards. All Units must be delivered to the JEA Fleet Facility with a minimum $\frac{3}{4}$ tank of fuel. Contact **Mark Murray** at **904-328-8501** 48 Hours prior to delivery. Delivery times are **Monday** through **Friday 08:00 AM – 03:00 PM** at **5717 New Kings Road Jacksonville Florida, 32209.**

CONTACT: THURMAN C MCGLOTHLIN
904-576-9382