

**SPECIFICATION, JEA CLASS 361R FORKLIFT REACH TRUCK, ELECTRIC  
(3,500 LB CAPACITY)  
UPDATED OCTOBER 2020**

**1. SCOPE**

It is the intent of the JEA to purchase multiple 3,500 LB CAPACITY ELECTRIC FORKLIFT REACH TRUCK with Chargers. Units 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 the date specified per awarded contract.

**2. MODEL**

New Current Model Year 3,500 LB CAPACITY ELECTRIC FORKLIFT REACH TRUCK (Example: JEA Current Units, Toyota 9BRU18)



**3. DIMENSIONS & WEIGHT (OPEN CAB WITH GUARD). RATED FOR CAPACITY AND APPLICATION**

- 3.1 Curb Weight Including Battery/All Components In Stowed/Travel Position (No Load): Not to exceed 9,000 lbs
- 3.2 Overall Width In Stowed/Travel Position (No Load): Not to exceed 62"
- 3.3 Overall Length Including Forks, In Stowed/Travel Position (No Load): Not to exceed 98"
- 3.4 Overall Height In Stowed/Travel Position (No Load): Not to exceed 98"
- 3.5 Under Clearance: Between 2" and 3"
- 3.6 Load Lifting/Carrying Capacity: Between 3500 lbs and 3800 lbs

**4. CONTROLS**

- 4.1 Lever, Joystick, and Foot Pedal Cab Controls Acceptable: Must be ergonomic and readily accessible from the operator seat. Must be able to feather / vary the speed of all hydraulic fork and carriage functions

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**5. CARRIAGE, MAST, BACKREST & FORKS**

- 5.1 Carriage: Between 32" and 36" rated for capacity and application
- Hydraulic actuated fork-positioning carriage (Left and Right)
  - Hydraulic actuated side shifting fork positioner (Retract Inward and Extend Outward)
  - Single Deep Reach: Minimum 24"
- 5.2 Mast: 3 stage
- Maximum Fork Height: Between 188" and 198"
  - Lowered Height: Between 82" and 90"
  - Free Lift: Between 41" and 49"
  - Tilt: Minimum 4 degrees backward and 3 degrees forward
  - Lift Speed Unloaded: Minimum 90 fpm
  - Lift Speed Loaded: Minimum 65 fpm
  - Lowering Speed (Loaded/Unloaded): Minimum 95 fpm
- 5.3 Back Rest: 36" designed for capacity and application
- 5.4 Forks: 42" rated for capacity and application. Must be painted/coated in bright red

**6. ELECTRICAL SYSTEM / BATTERY**

- 6.1 36 VOLT System
- 6.2 Battery: Rated for capacity and application with single point watering system
- 6.3 Continuous Run Time Requirement, Full Charge: Between 5 hours and 6 hours

**7. TIRES (SOLID)**

- 7.1 Tires: Solid/Airless sized and rated for machine capacity and application

**8. DRIVE SYSTEM AND TRAVEL SPEED**

- 8.1 Travel Speeds
- Forward Speed Unloaded: Minimum 6 MPH
  - Forward Speed Loaded: Minimum 6 MPH
  - Reverse Speed Unloaded: Minimum 6 MPH
  - Reverse Speed Loaded: Minimum 6 MPH
- 8.2 Rear Steer Axle
- 8.3 Rear Drive Axle

**9. ADDITIONAL REQUIRED EQUIPMENT / OPTIONS**

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

- 9.1 Digital Display, Operator Console: Must include diagnostic codes, service due reminder/warning, hydraulic temperature/fluid level, battery charging indicator, battery charge level etc.
- 9.2 LED Work Light Package: 2 front mounted and 1 rear mounted with guards on upper corners of cab

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- 9.3 LED Strobe Light: Mount to overhead guard
- 9.4 OSHA Certified Overhead Guard
- 9.5 Operator Fan Mounted to Overhead Guard
- 9.6 Reverse Travel Alarm
- 9.7 Power Steering
- 9.8 Parking Brake
- 9.9 Overload Alarm/Warning and load display
- 9.10 Removable Rubber Floor Matt
- 9.11 Cup Holder: Dash mounted
- 9.12 Charger: 480 Volt 3 Phase Charger, must be EnerSys or Hawker Charger

**10. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION**

- 10.1 One (1) set of operator manuals per unit (HARD COPY). (1) Electronic Copy maintenance, repair & parts manuals
- 10.2 Provide three (3) complete sets of keys per unit including attachments, bins and tool boxes. Key bins and 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
- 10.3 One (1) on-site JEA Operator Orientation Training
- 10.4 One (1) on-site JEA Maintenance Orientation Training

**11. PARTS AVAILABILITY AND VENDOR SUPPORT**

- 11.1 Oil Filters, Hydraulic Filters, Hydraulic Lines, Tires, Sprockets, Pins, Rollers, etc. must be readily available within 48 hours
- 11.2 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

**12. COLOR/GRAPHICS**

- 12.1 Manufacturer's standard color. Forks must be painted bright red.
- 12.2 Delete all vendor and manufacturer identification decals except required safety & reference identification tags, decals, data plates & placards.

**13. WARRANTY**

- 13.1 Two (2) Year Unlimited Hours 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.

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13.2 Warranty period starts when units are received at JEA's fleet facility and are inspected and accepted.

**14. OTHER JEA REQUIREMENTS**

14.1 Install JEA provided decals

14.2 Current Service Inspection with decal installed lower left outside corner of unit. Include current date, current hours, next service due date and next service due hours.

14.3 Include a paper copy specification / build sheet in all units including key codes

14.4 Must include/document the VIN number/serial number, make, model, description, JEA PO # and JEA provided 5 digit unit # on all invoices

14.5 Awarded vendor must complete and submit the JEA provided Vehicle and Equipment Attribute Data Spreadsheet

**NOTE:** All units, attachments, products and services must meet and 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 if applicable. Contact Thurman McGlothlin at 904-576-9382 48 hours prior to delivery. Delivery times are Monday through Friday 07:00 AM – 03:00 PM at 5717 New Kings Road Jacksonville Florida, 32209