

**SPECIFICATION, JEA CLASS 361 FOUR WHEEL SIT DOWN FORKLIFT, ELECTRIC
(5,000 LB CAPACITY)
UPDATED OCTOBER 2020**

1. SCOPE

It is the intent of the JEA to purchase multiple 5,000 LB CAPACITY 4 WHEEL ELECTRIC FORKLIFTS 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 5,000 LB CAPACITY 4 WHEEL SIT DOWN ELECTRIC FORKLIFT (Example: JEA Current Units, Toyota 8FBCU25)



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 9,600 LBS
- 3.2 Overall Width In Stowed/Travel Position (No Load): Not to exceed 45"
- 3.3 Overall Length Including Forks, In Stowed/Travel Position (No Load): Not to exceed 134"
- 3.4 Overall Height In Stowed/Travel Position (No Load): Not to exceed 92"
- 3.5 Under Clearance: Between 3" and 5"
- 3.6 Load Lifting/Carrying Capacity: Between 5000 lbs and 5500 lbs

4. CONTROLS

- 4.1 Lever and Joystick 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.

5. CARRIAGE, MAST, BACKREST & FORKS

- 5.1 Carriage: Between 35" and 44" rated for capacity and application
 - Hydraulic actuated fork-positioning carriage (Left and Right).
 - Hydraulic actuated side shifting fork positioner (Retract Inward and Extend Outward)

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- 5.2 Mast: 3 stage
- Maximum Fork Height: Between 188" and 192"
 - Lowered Height: Between 82" and 87"
 - Free Lift: Between 32" and 37"
 - Tilt: Minimum 5 degrees backward and 5 degrees forward
 - Auto Fork Level Function
 - Lift Speed (Loaded): Minimum 68 fpm
 - Lift Speed (Unloaded): Minimum 100 fpm
- 5.3 Back Rest: Between 45" and 48" 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 9.5 MPH
 - Forward Speed Loaded: Minimum 9.5 MPH
 - Reverse Speed Unloaded: Minimum 10 MPH
 - Reverse Speed Loaded: Minimum 9.5 MPH
- 8.2 Rear Steer Axle
- 8.3 Front 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 2 rear mounted with guards on upper corners of cab
- 9.3 LED Tail Lights: Running lights and brake lights
- 9.4 LED Strobe Light: Mount to overhead guard
- 9.5 OSHA Certified Overhead Guard

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- 9.6 Full Adjustable Suspension Seat and Seatbelt
- 9.7 Removable Transparent Overhead Guard Cover
- 9.8 Reverse Travel Alarm
- 9.9 Power Steering and Adjustable Tilt Steering Wheel
- 9.10 Operator Seat Sensor: Forklift will not function without operator sitting in the seat
- 9.11 Parking Brake
- 9.12 Overload Alarm/Warning and load display
- 9.13 Removable Rubber Floor Matt
- 9.14 Dual Rearview Mirrors
- 9.15 Cup Holder: Dash mounted
- 9.16 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

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- 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.
- 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 ¾ 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