

005-21 Appendix A - Technical Specifications
Trailer Mounted 8" Well Point Piston Pump (JEA Dewatering)

1. SCOPE

It is the intent of JEA to purchase multiple TRAILER MOUNTED, SOUND ATTENUATED, 8" WELL POINT PISTON PUMPS (BBA PT200 D265 or Equal). All 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, trailer mounted, sound attenuated 8" well point piston pump capable of pulling 28 points at 25' deep with auto priming and continuous run dry. Must have an integrated fuel tank capable of 72 hours continuous run time at full capacity. (BBA PT-200 D265 Sound Attenuated Piston Pump or Equal).



NOTE: Application for the pumps is well point / dewatering. Pump must be capable of pulling 28 well points at 25' deep.

3. ENGINE (DIESEL)

- 3.1 Horse Power: Between 33 HP and 43 HP at 1400 RPM (Hatz 3H50TIC Diesel or Equal) rated for pump capacities
- 3.2 Meters: Tachometer, hour meter, engine temperature, engine oil pressure, charging system, fuel level, and diesel exhaust fluid level

4. PUMP (AUTO PRIMING PISTON TYPE)

- 4.1 Max Flow: 880 GPM or Greater
- 4.2 Max Pressure Discharge: 99' (43 PSI)
- 4.3 Max Suction Lift: Between 30' and 34'
- 4.4 Connections (Suction and Discharge): Suction and discharge connections are required to be located in the rear of the unit

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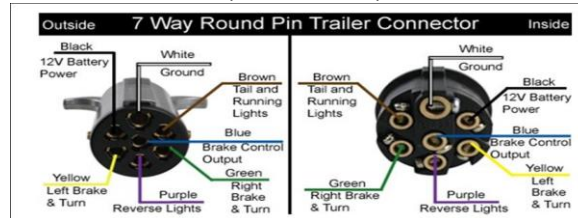
- 4.5 Sound Attenuated/Weatherproof/Lockable Canopy: 69 dBA at 30' or less. Use stainless steel door hinges
- 4.6 Automatic Priming System: Units must have an automatic priming system
- 4.7 Continuous Run Dry: Units must be capable of running dry continuously without shutting down, requiring restart or additional priming.
- 5. GVWR (PUMP/TRAILER COMBINED)**
 - 5.1 Rated to accommodate all attachments (Pump, Racks, Hoses, Accessories, etc.)
 - 5.2 GVWR: Not to exceed 9,000 LBS.
- 6. FUEL CAPACITY AND CONTAINMENT**
 - 6.1 Run Time: 72 Hours continuous run time at capacity on one tank of fuel
 - 6.2 Fluid Containment System: mitigate fuel/oil spillage
- 7. DIMENSIONS**
 - 7.1 Overall Width: Not to exceed 7'6"
 - 7.2 Overall Length: Not to exceed 16'
 - 7.3 Overall Height: Not to exceed 8'

NOTE: Build Trailers to allow the pump discharge and suction ports to be as low / accessible to operators as possible (ergonomics)
- 8. AXLES / BRAKES / TIRES**
 - 8.1 Axles (Wet Bearing): Must meet GVWR / Full of Fuel
 - 8.2 Brakes: Hydraulic Surge Brakes rated for GVWR. System must allow backing the units without engaging the brakes.
 - 8.3 Tires: sized / rated to accommodate required trailer GVWR
- 9. COUPLING**
 - 9.1 Adjustable Lunette Eye / Pintle Hitch (Rated for Trailer GVWR): adjustable from 20 Inch Height to 26 Inch Height to accommodate medium & heavy duty JEA Trucks.
- 10. JACKS (3 COUNT)**
 - 10.1 Tong Jack with LED Light: Electric Tong Jack with spring loaded drop leg, minimum 4" X 4" base rated for tong weight
 - 10.2 Rear Jacks (2 Count, RH and LH): Manual with spring loaded drop legs, minimum 4" X 4" base rated for weight

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11. LIGHTING / WIRING

- 11.1 Light Emitting Diode (LED), all lights
- 11.2 All wiring must be loomed & run through weatherproof conduit (No Scotch Lock Connections)
- 11.3 Trailer Plug must be 7 Pin Round (JEA Standard)



- 11.4 Junction Box (All Wiring): Mounted inside trailer tong
- 11.5 LED Engine Compartment Light: Mount inside Sound Attenuated Canopy to illuminate engine and pump components.

12. OTHER REQUIREMENTS

- 12.1 Apply nonskid coating to steps and walking surfaces (if applicable)
- 12.2 Single Point Lifting Eye
- 12.3 4" D-Rings (4 Count) Permanent/Welded to Trailer Frame: RF, LF, RR and LR
- 12.4 Fuel Gauges: Mechanical (Dial Type) and Digital
- 12.5 Aluminum Lockable Tong Mounted Tool Bin: Weather tight with LED light
- 12.6 Solar Battery Tender
- 12.7 AMP Commercial Grade Battery Charger: Mount charger inside canopy and mount the weatherproof plug on the outside/rear of canopy
- 12.8 Galvanized Coating: Trailer, Pump & All Attachments (resist weather and caustic environments)
- 12.9 8" to 6" Male Camlock Reducer: Inlet and discharge
- 12.10 Pumps must be equipped with Telematics to allow remote access to systems and control (SSO Prevention). Must be capable to do the following:
 - Determine location of pump
 - Receive alarms via text or phone calls when pump shuts down.
 - Remote start, stop & change pump speeds (preferred, not required, please specify)
 - Service/Maintenance parameters
 - Manage pumps remotely
 - Sump level monitoring
 - Flow meter readings

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- Warning and Error codes
- Fuel level reporting

13. COLOR / GRAPHICS / MANUFACTURER ID PLATE

- 13.1 Galvanized coating throughout with white where possible.
- 13.2 Delete all vendor and manufacturer identification decals except suction and discharge Labels, required safety & reference identification tags, decals, data plates & placards.
- 13.3 Install Height Warning Placard with Maximum Height (feet / inches)
- 13.4 Aluminum DOT Compliant I.D. Plate: Must be permanently attached to Left Side / Outside of Tong of Trailer & include model number, serial number, GVWR, dry / empty weight, tire size & manufacturer's name, address & contact number.
- 13.5 Permanently stamp model number & serial number inside / right side of tong frame

14. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

- 14.1 (1) set of operator manuals per unit (HARD COPY). (1) Electronic Copy maintenance, repair & parts manuals
- 14.2 Keys: Key all units alike and include (3) complete sets of keys. Key all lockable compartments, bins etc. alike.
- 14.3 (1) On-Site JEA Operator Orientation Class (Complete Unit: Chassis & Attachments)
- 14.4 (1) On-Site JEA Maintenance Orientation Class (Complete Unit: Chassis & Attachments)
- 14.5 Include a complete paper copy Specification / Build Sheet including Drawings with all units

15. DRAWINGS

- 15.1 Scaled Drawings will be provided to JEA upon receipt of order. Drawings will include all interior/exterior and equipment layout details & dimensions. Final Drawings / Layout will be approved by JEA before work is started. Include one electronic copy (Flash Drive). Drawings maybe used at JEA's discretion for solicitations, request for information, reference for repairs, etc.

16. WARRANTY / PARTS AVAILABILITY

- 16.1 Minimum 2 Year Warranty (Include Parts, Labor and Travel). Must include all standard manufacturer warranties.
- 16.2 Warranty period starts when units are received at JEA's fleet facility, inspected and accepted.
- 16.3 Parts Availability: Parts must be available within 48 hours from order.

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- 16.4 The Manufacturer or Manufacturer Dealer must have a local presence to supply parts, complete warranty work and complete repair work on the units.

17. ADDITIONAL REQUIREMENTS

- 17.1 Mount Round, Weather Proof Registration Canister (Transparent Lid) to Drivers Side/Front of trailer (Easily Accessible)



- 17.2 Weatherproof Operator Manual Compartment with Hardcopy Manual
- 17.3 Purchase and Install Yellow City License Plates
- 17.4 Install JEA provided decals (You may use JEA's current vendor at your expense)
- 17.5 Current DOT Inspection / Certification with decal installed RF out-side tong of trailer
- 17.6 Must include/document the VIN number, make, model, description, JEA PO # and JEA provided 5 digit unit # on all invoices
- 17.7 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. 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.