



**Bid Number 50-00145994**

**Purchase of Pump Equipment for the Jefferson Parish  
Department of Sewerage**

**BID DUE: SEPTEMBER 12, 2024 AT 2:00 PM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site, [www.jeffparishbids.net](http://www.jeffparishbids.net), by the bid due date and time. Late bids will not be accepted.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Purchasing Specialist: Ruby Tran  
Email: [ruby.tran@jeffparish.gov](mailto:ruby.tran@jeffparish.gov)  
Phone: 504-364-2687**

**Bid # 50-00145994 – Specifications**

**Purchase of Diesel Driven Pump and Trailer Package  
For the Jefferson Parish Department of Sewerage**

Furnish Two (2) All Prime MP600YAP-T4F diesel driven pump and trailer package unit. The Bidder shall be responsible for supplying the equipment specified herein to meet or exceed these specifications as obtained from the System Supplier for this project. The System Supplier shall be an Authorized Distributor (OEM) of the proposed products and shall be capable of a form of direct responsive communication within two (2) hours notification regarding service requests and parts availability. The responsive System Supplier shall routinely stock complete pumps and parts to repair those units in their own facility. All equipment approved for this project shall meet or exceed all performance, service, and warranty requirements of this specification.

Any bids submitted for pumps other than that as specified, must include in their bid all information needed to fully demonstrate complete compliance with requirements of these specifications and dimensional duplicity of the existing pumps. The bid will be awarded to the lowest responsible bidder complying with all provisions of this invitation, providing the bid is reasonable, and in the best interest of Jefferson Parish to accept. Jefferson Parish reserves the right to accept or reject the bid in whole or part, any bids that are incomplete or do not demonstrate that they are equal to the requirements of these specifications. It is the bidder's responsibility to provide adequate information necessary for the complete evaluation of their proposed equipment. Jefferson Parish shall be the sole judge as to the equality of any manufacture's offering. Proper measurements must be confirmed by the pump supplier including discharge height, overall depth, etc.

- A.** All Prime Model XS-6S is self-priming solids handling centrifugal type for mounting above ground; designed for raw wastewater.
- B.** The manufacturer of the pump has an ISO 9001 quality management system certificate.
- C.** The pump has a one-year manufacturer's materials and workmanship warranty.
- D.** The pump has the necessary characteristics and is properly selected to perform under the operating conditions and efficiency as shown.

**E. Materials and Construction Features**

1. Pump casing is made from class 30 cast-iron with integral volute and incorporate the listed features:
  - a. Broad based feet to prevent tipping even when disassembled.
  - b. Casing will have a large diameter drain plug at the lowest level for complete draining.
  - c. Casings have a recirculation port sized to accommodate a spherical solid the size of the solids passing capacity of the pump.
  - d. A 3½" diameter fill port covered by a Teflon gasketed plate with restrained clamp bar is used for initial liquid filling.
  - e. The casing is coated on the inside with one 3-5 mil coating to deter initial inside corrosion.
    - i. Pump speed range 850 RPM – 1550 RPM.
    - ii. 6" suction and 6" discharge flanges

2. Cleanout cover is made from class 30 cast-iron with features as shown:

- a. Cleanout cover is retained by hand nuts which completely cover the attachment studs when tightened to prevent stud corrosion
- b. A pressure relief valve which operates at 75 to 200 PSI is permanently attached to assure safety.
- c. A hardened steel alloy wear plate is attached to the cover plate with studs and nuts.
- d. Removal of the cover plate allows access to the impeller, wear plate, mechanical seal, and internal check valve without disturbing suction or discharge piping.
- e. Cleanout cover is sealed with a large diameter Buna-N O-ring.
- f. A heavy-duty handle is attached to the cover plate to facilitate removal and installation.
- g. The cover plate has threaded pusher bolt holes to ease removal using hex head machine bolts from the rotating assembly.

3. The rotating assembly has an integral bearing housing with seal plate, shaft, bearings, impeller, mechanical seal, oil seals, and oil chambers which are removable as a unit without disturbing suction or discharge piping and have the following features:

- a. The seal plate and bearing housing are class 30 cast-iron and contain separate oil chambers for seal and bearing oil. Each chamber has a vented plug to prevent the entry of excess moisture. The bearing chamber shall have a clear oil level gauge.
- b. The impeller is ductile-iron open-type two-vane non-clog design with back side pump out vanes and will be threaded on the shaft and further retained by locking impeller bolt and protective washer.
- c. The shaft is constructed of 4140 alloy steel featuring hardened alloy sleeve in mechanical seal area with no more than 82% of the centerline bearing to centerline bearing distance protruding beyond the impeller end bearing.
- d. Bearings are an anti-friction ball type of sufficient size and design to withstand all radial and thrust loads incurred during normal operations.

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- e. The rotating assembly is sealed with one large diameter Buna-O-ring.
  - f. The mechanical seal is oil lubricated from a dedicated chamber with faces of tungsten titanium carbide alloy each lapped to within three light bands using an optical flat and monochromatic light. The stationary face shall be mounted in its holder using an O-ring design to better secure alignment during times of extreme stress. All metallic parts of the seal are 316 stainless-steel.
  - g. The rotating assembly impeller end clearance can be adjustable over its full range of adjustability externally without removal of the rotating assembly or its fasteners and without the use of special tools by utilizing socket head cap screws set into the pump casing to move the rotating assembly away from the wear plate and the hex head machine bolts to move the rotating assembly toward the wear plate and secure it in the proper place against the socket head cap screws. The socket head cap screws shall also act as jacking bolts when removing the rotating assembly.
4. The pump contains a suction check valve to save energy by preventing re-priming at each start up. The valve is floating type to help prevent clogging and is made from nylon and steel reinforced neoprene. The valve shall not be required for re-priming and pumps requiring such a valve to re-prime shall not be acceptable.
5. The pumps have as standard parts removable flanged suction and discharge cast iron spool pieces with two plugged tapped holes suitable for the attachment of gauges or other devices such as air release valves.

### **F. Pump performance characteristics:**

- 1. The pump can pass a spherical solid as shown on the pump curve through all impeller vanes, internal passages, and recirculation ports.
- 2. The pump will re-prime at a depth shown on the applicable pump curve while using an air release line without the aid of a suction check valve. Re-prime performance shall be confirmed using the following test.

Bid # 50-00145994 – Specifications

- a. A check valve equal to or larger than the pump discharge shall be installed in the pump discharge line. A suction line equal to the pump suction opening shall be used.
- b. An air release pipe opens to atmosphere and similar in capacity to a 1" air release valve shall be installed between the discharge and the check valve.
- c. The pump suction check valve shall be removed, and the pump suction shall be at the specified job re-prime lift above the test tank water level.
- d. Prior to each re-prime test, the suction pipe must be cleared of water to sump level.
- e. The pump must re-prime to full flow within 5 minutes of energizing on each of 5 tests to be acceptable.
- f. After 5 consecutive tests the pump must be at a temperature within the operating range as indicated on the applicable technical data sheets.

**G.** Diesel Engine – Yanmar open power unit

Model: 4TNV98C

Type: 4 Cylinder, 4-Cycle, Liquid Cooled Diesel Engine

Bore: 84mm

Stroke: 90mm

Displacement: 1496cc (91.3ci)

Aspiration: Turbo Charged with air cleaner

Combustion System: Direct Injection

Rotation (from flywheel end): Counterclockwise

No. of cylinders: 4

Rated Output: 32/2000 (hp/rpm)

Lubrication System: 6.7 L Capacity Deep Oil Pan, Trochoid Oil Pump, Paper Element Oil Filter, Oil Pressure Switch, Crankcase Breather, Closed Type

Electrical System: 12V, 40 Amp Alternator, 12V Starter Motor, 12V, 400W Air Heater, Preheat Relay, Preheat Timer 15 second, Stop Solenoid Timer 1 second. Battery, rack and cables

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Fuel System: Distributor-Type MP2 Fuel Injection Pump, 12V Electric Fuel Pump, Paper Element Fuel Filter, Water Separator, Stop Solenoid, Integral to Fuel Injection Pump

Cooling System: Radiator, Water Pump, Belt Driven Fan 7-Blade, 360mm Cooling Fan Puller Type, 160°F (71°C) Thermostat, Temperature Switch

Muffler, speed control, water separator / electric fuel pump

Instrument panel with Auto-Start

- Murphy EMS Pro
  - Allows for float switches and/or transducers (supplied by other)
  - Separate labeled enclosure for simple hook up
  - Designed for Interim Tier 4 Engines
  - NEMA 4 Enclosure
  - Backlit Graphical Display
  - Alarm & Shutdown LEDs (Amber/Red)
  - IP66 Rated Sealing
  - Language Choice (English/Spanish)
  - Easy-set, Real-time Clock in 24-hour Format
  - Eight Touch Buttons, Key Selector Switch
  - Compact Size
  - Battery-Saving "Sleep-Mode" Timer
- Operating Voltage: Engineered for 12 and 24 VDC systems (8 VDC Minimum, 32 VDC Maximum)
- Operating Temperature: -40° to 80° (- 40° to 176° F)
- Storage Temperature: -40° to 80° (- 40° to 176° F)
- Environmental Sealing: IP66
- Sweep Sine Vibration Test: X, Y, Z axis, frequency sweep from 10 to 2000Hz, 10G peak
- Random Vibration Test: X, Y, Z axis, frequency range 5 to 2000Hz, 7.68Grms
- Operating Shock Test: X, Y, Z axis, 50G shock, 11ms pulse
- Relative Humidity: 95% RH @ 60° C
- Standby Current: @12 VDC, 220 mA; @ 24 VDC, 244 mA
- LEDs: Alarm (Amber); Shutdown (Red)
- CAN Bus: SAE J1939 Compliant

## Bid # 50-00145994 – Specifications

Enclosure: Polycarbonate NEMA 4X (UL Certified)  
Analog Inputs: 12 designated via program; sender/ground digital, 4 - 20 mA, 0-5 VDC  
Digital Inputs: 8 high/low  
Frequency: 1 optically isolated input for speed reference, magnetic pick-up  
Fuel Sender Input: 33 Ohm full, 240 Ohm empty  
Analog Output: 1 optional; 4-20mA or .4 to 4.6 VDC. Output pin assignment changes between two selections.  
Digital Outputs: 3 FET B+ (rated at 1A) tied to relay outputs.)  
Relays: 1 SPDT and 8 SPST 5 Amp pilot relays  
User Interface: 8 button membrane switch  
Connectors: 21 pin and 31 pin Deutsch HDP20 Series  
Mounting: 4 isolated .75-inch rubber shock mounts  
Shipping Weight: 11-Lbs. (5 kg.)  
Shipping Dimensions: All Models 15 x 15 x 11 in.

PTO clutch drive, direct, with shaft coupling and OSHA guard

- H.** Fabricated 'pump ~ engine' base-frame & integral 75-gallon integral base/fuel tank. Painted carbon steel
- I.** Trailer, DOT spec, single-axle, painted carbon-steel with front & rear stabilizer jacks

DATE: 8/21/2024

INVITATION TO BID  
THIS IS NOT AN ORDER

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## JEFFERSON PARISH

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

PURCHASING SPECIALIST:  
RUBY.TRAN@jeffparish.gov

**BIDS WILL BE RECEIVED ONLINE VIA [WWW.JEFFPARISHBIDS.NET](http://WWW.JEFFPARISHBIDS.NET) UNTIL 2:00 PM, 9/12/2024 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting [www.jeffparishbids.net](http://www.jeffparishbids.net) to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.**

**LATE BIDS WILL NOT BE ACCEPTED**

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE AND MUST PROVIDE PROOF OF THE SECURED SIGNATURE WITH BID SUBMISSION.**

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

#### THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 136353 and/or Resolution No. 141125 as amended.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://www.jeffparish.gov/464/Purchasing> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the Purchasing Specialist's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

**Visit our website at [HTTP://WWW.JEFFPARISH.GOV/464/PURCHASING](http://WWW.JEFFPARISH.GOV/464/PURCHASING)**

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge any Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://www.jeffparish.gov/464/Purchasing> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://www.jeffparish.gov/464/Purchasing> or you may provide your own document.

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

**A. AWARD OF CONTRACT:** JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the **LOWEST RESPONSIVE and RESPONSIBLE BIDDER**, taking into consideration the **CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.**

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

**PROTESTS:** Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

**PREFERENCE:** Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

**B. USE OF BRAND NAMES AND STOCK NUMBERS:** Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

**C. CANCELLATION OF CONTRACT:** JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

**D. PRICES:** Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

**IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

**This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.**

**Please visit our E-Procurement Page at [www.jeffparishbids.net](http://www.jeffparishbids.net) to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://www.jeffparish.gov/464/Purchasing>.**

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 136353 or 141125 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://www.jeffparish.gov/464/Purchasing> and clicking on Online Forms.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW. IF THE NUMBER IS NOT SPECIFIED IN THIS BOX, IT IS NOT APPLICABLE FOR THIS BID.

**13, 15**

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department Building Permits. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Building Permits. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable municipality, Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Any deviation from the Standard Insurance Requirements must be requested in writing prior to bid opening. Written approval for any deviation, must be submitted with your bid submission. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted as per the appendix instructions. Failure to submit applicable certifications per the appendix instructions will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment."). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO ✓

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 12/31/2024.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

6-7 weeks ARO

**LOUISIANA CONTRACTOR'S LICENSE NO.:** (if applicable)

08510-Business License

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: United Rentals (North America), Inc.

ADDRESS: 100 First Stamford Place, Suite 700

CITY, STATE: Stamford, Connecticut ZIP: 06902-9200

TELEPHONE: ( 877)874.4468 FAX: ( 877)735.7450

EMAIL ADDRESS: govrents@ur.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 1  
NUMBER: \_\_\_\_\_  
NUMBER: \_\_\_\_\_  
NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ 88,500.00

AUTHORIZED SIGNATURE: Erik Vorhoff

ERIK VORHOFF

Printed Name

TITLE: Branch Manager

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

**NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.**

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00145994

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>PURCHASE OF PUMP EQUIPMENT FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE</p> <p>0001 - ALL PRIME XS-6S DIESEL DRIVEN PUMP AND TRAILER PACKAGE UNIT; MODEL XS-6S PUMP, STANDARD CI CONSTRUCTION, FULL DIAMETER IMPELLER; 6 INCH ANSI FLANGE PORT CONNECTION, PUMP SPEED 850 RPM TO 1550 RPM; YANMAR 4-CYLINDER LIQUID-COLLED DIESEL ENGINE MODEL 4TNV98C OPEN POWER UNIT WITH 1.50:1 DRIVE PTO CLUTCH, AIR CLEANER, RADIATOR, MUFFLER, SPEED CONTROL, AUTO START, MURPHY ML2000 CONTROLLER WITH TRANSDUCER AND, FLOAT LIFT HOOK-UPS; 75 GALLON FUEL TANK WITH FUEL LIKES HOSE; BATTERY KIT WITH CHARGER; FABRICATED PUMP-ENGINE BASE FRAME, PAINT CARBON STEEL; SINGLE AXEL TRAILER, DOT SPEC, PAINTED CARBON STEEL WITH STABILIZER JACKS.</p> <p>INCLUDES STANDARD 2 YEAR WARRANTY ON ENGINE AND 1 YEAR ON PUMP</p> <p>*** SEE ATTACHED SPECIFICATIONS ***</p> <p>DELIVER TO: PUBLIC WORKS WAREHOUSE 1500 RIVER PARK ROAD BRIDGE CITY, LA 70094</p>	\$ 44,250.00	\$ 88,500.00



**UNITED RENTALS (NORTH AMERICA), INC.  
EXCEPTIONS TO:**

**JEFFERSON PARISH, LA  
Bid Number #50-00145994  
Purchase of Diesel Driven Pump and Trailer Package  
For the Jefferson Parish Department of Sewerage**

The submission of the attached bid by United Rentals (North America), Inc. ("Vendor") is subject to the exceptions set forth below.

<b>SECTION; PAGE NUMBER</b>	<b>EXCEPTION; EXPLANATION</b>
Warranty	<p>Vendor requests that any references to "warranty" or "guaranty" be modified to reflect that Vendor is not the manufacturer of the equipment sold hereunder. Accordingly, Vendor requests that all such references be amended to reflect the following:</p> <p>"The only warranty provided with the equipment sold herein is the warranty provided by the original equipment manufacturer ("OEM"). Bidder will pass through all warranties, to the extent allowable, that the OEM provides. If a warranty claim is approved by the OEM and the OEM authorizes Bidder to repair or replace the equipment, Bidder will do so. ALL WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY EXCLUDED AND DISCLAIMED."</p> <p>AND</p> <p>The OEM warranty, including length and inclusions is attached to this bid.</p>



## **Non-Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*

**Non-Public Works Bid**

**AFFIDAVIT**

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Erik  
A Vorhoff, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Branch manager of United Rentals (North America), Inc. (Entity),  
the party who submitted a bid in response to Bid Number 50-00145994, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

**Choice B**  X  There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

X *Erik Vorhoff*  
Signature of Affiant

ERIK VORHOFF  
Printed Name of Affiant

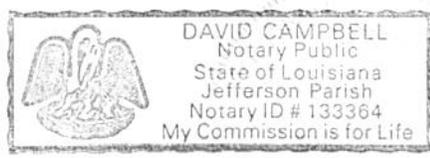
SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 19 DAY OF September, 2024.

*David Campbell*  
Notary Public

David Campbell  
Printed Name of Notary

133364  
Notary/Bar Roll Number

My commission expires on death.



## Request for Taxpayer Identification Number and Certification

Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Give form to the  
 requester. Do not  
 send to the IRS.

**Before you begin.** For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	<p><b>1</b> Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)</p> <p><b>United Rentals (North America), Inc.</b></p>	
	<p><b>2</b> Business name/disregarded entity name, if different from above.</p>	
	<p><b>3a</b> Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only <b>one</b> of the following seven boxes.</p> <p><input type="checkbox"/> Individual/sole proprietor    <input checked="" type="checkbox"/> C corporation    <input type="checkbox"/> S corporation    <input type="checkbox"/> Partnership    <input type="checkbox"/> Trust/estate</p> <p><input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) _____</p> <p><b>Note:</b> Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.</p> <p><input type="checkbox"/> Other (see instructions) _____</p>	<p><b>4</b> Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) <u>5</u></p> <p>Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) <u>N/A</u></p> <p><i>(Applies to accounts maintained outside the United States.)</i></p>
	<p><b>3b</b> If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions _____ <input type="checkbox"/></p>	
	<p><b>5</b> Address (number, street, and apt. or suite no.). See instructions.</p> <p><b>P.O. Box 840514</b></p>	<p>Requester's name and address (optional)</p>
	<p><b>6</b> City, state, and ZIP code</p> <p><b>Dallas, TX 75284-0514</b></p>	
	<p><b>7</b> List account number(s) here (optional)</p>	

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

<b>Social security number</b>									
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3	8	3	5						

### Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

<b>Sign Here</b>	Signature of U.S. person <b>Michael V. Sala</b> VP, Tax & Real Estate	Date <b>03/15/2024</b>
------------------	--	------------------------

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

## What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they





United Rentals Fluid Solutions  
Branch I41  
112 W. Airline Dr.  
Kenner, LA 70062

Office: (504)667-4070  
[www.unitedrentals.com](http://www.unitedrentals.com)

To Whom It Concern,

United Rentals Fluid Solutions (A specialty group within United Rentals Inc.) is proud to present our offering for consideration on Bid # 50-00145994.

As mentioned in the first page of the bid on support and availability. Our branch, located in Kenner, LA and has a fully functional and capable shop that can support the equipment quoted. This branch has five "in house" service techs and three full time field techs that are familiar with everything we provide and have 24 hour service support if needed. Parts for these units are also available.

Attached are spec sheets, warranty and other information regarding our product that meets, and in cases exceed what was specified in the bid announcement.

Some highlights include:

- 5 Year warranty on the Gorman-Rupp pump on materials of construction and workmanship.
- Enhanced design that allows for better overall performance compared to the All-Prime.
- Ductile iron (harded iron) impeller which allows for longer service life over standard cast iron materials.
- Modular pump design to allow for various hydraulic adaptations to meet specific needs.
- Upgrade capable to handle more aggressive applications when heavier than normal solids are encountered (Eradicator upgrade). \*A **huge** benefit/advantage for Jeff Parish!\*
- Pump end completely casted and assembled in the United States (Ohio).
- Package assembled in tested in the United States (Texas).

We are confident that purchasing these units from United Rentals will not only handle what you are intending them to be for (and in most cases more). When maintained, they will give you a longer service life due to the overall quality of the castings and materials used, over lesser known equipment. Finally, you will have equipment that has been built and assembled entirely in the United States. Something a lot of other companies cannot boast.

If more information is required / desired by the individual(s) reviewing this quote, please do not hesitate to reach out and we will respond as timely as possible with the answer/information needed.

In closing, we would like to thank you for the time and attention in regard to this quote offering, and are excited at the opportunity to provide a great product to Jefferson Parish, and to further our partnership with you.

Respectfully,

A handwritten signature in black ink, appearing to read 'S B Johnson', written over a white background.

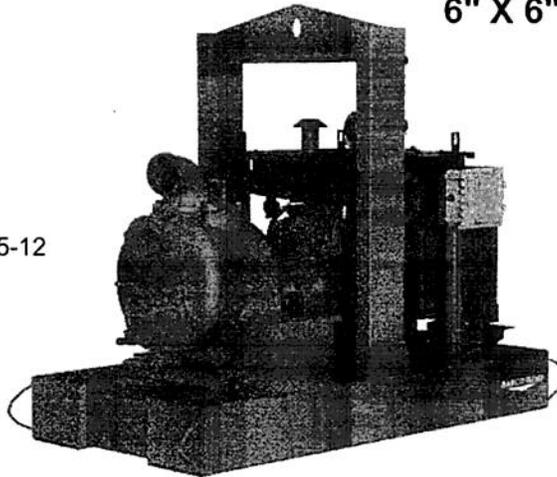
Sean B. Johnson  
Government Sales  
United Rentals Fluid Solutions

# BT6AD-FT4

6" X 6"

## PUMP SPECIFICATIONS

**Manufacturer:** Gorman-Rupp  
**Size:** 6" X 6" NPT - Female  
**Type:** Self Priming, Trash Pump  
**Casing:** Gray Iron 30  
**Impeller:** Semi-Open, 2 Vane, Ductile Iron 65-45-12  
**Solids:** 3" Spherical  
**Impeller Shaft:** Alloy Steel 4150  
**Seal:** Oil Lubricated, Mechanical  
**Wear Plate:** Carbon Steel 1015  
**Bearings:** Open Ball Bearing  
**Hardware:** Standard Plated Steel



\*\*Shown with options

## ENGINE SPECIFICATIONS

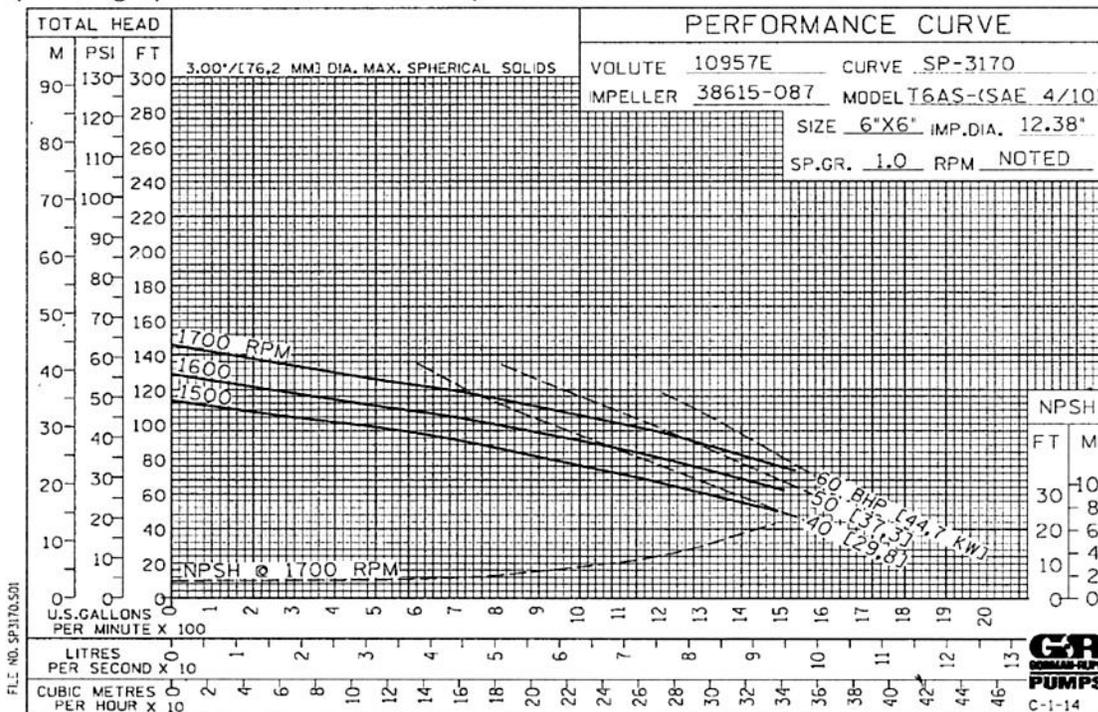
**Manufacturer:** Deutz  
**Type:** 4 Cylinder, Final Tier 4, Diesel Engine  
**Cooling:** Liquid Cooled  
**Performance:** 75 HP @ 2300 RPM  
**Displacement:** 2.9 Liters or 177 in<sup>3</sup>  
**Starter:** 12V Electric  
**Fuel Tank:** 100 U.S. Gallons  
**Full Load Operating Time:** 32 Hours

## FEATURES:

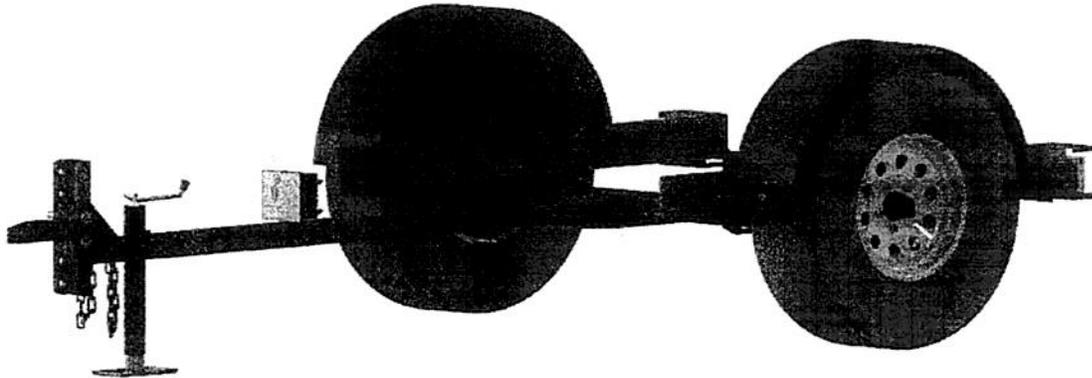
**Standard Equipment:** Lifting Bale, Battery, Steel Battery Box, Exhaust Rain Cap, Lockable Fuel Cap, Engine Control Panel

**Optional Equipment:** Standard Wheel Kit or DOT Wheel Kit, Hardened Wear Parts, Automatic Liquid Level Control Panel

Multiple Fitting Options - Please Ask Your Representative



5200D



### TRAILER SPECIFICATIONS

Gross Vehicle Weight Rating: : 5200lb

Total length: 10ft to 15 ft

Total width: 5.5ft to 6.5ft

Tires: 225/75R15

Wheels: 15 inch steel trailer wheels painted white or silver

Axle: Dexter torflex 5200lb capacity with electric brakes

Jack: RAM 2000 series, 3000lb Support capacity, 2000lb lift capacity

Brake-Away Box: Hopkins Towing solutions The Engager,

### COMPLIANCE STANDARDS

U.S.D.O.T compliant

N.A.T.M Certified

### STANDARD PACKAGE EQUIPMENTS

Removable Fenders

DOT lighting

MCO/title

Safety chains

Jacks

Wheels

Tires

Coupler



**WARNING: TRAILER IS ONLY  
INTENDED TO BE USED TO  
TOW THE BARCO PUMP  
UNIT IT WAS DESIGNED FOR.**

**SAFE TOWING SPEED: 55MPH**

### OPTIONAL EQUIPMENTS

Choice of 2" , 2-5/16" couplers or Pintle ring, custom paint jobs,

**PUMP PACKAGED PORTABLE LIQUID COOLED ENGINE DRIVEN PUMP  
BT6AD- FT4**

**PART - GENERAL**

- 1.01 The product provided shall be a 6 inch portable self-priming centrifugal pump driven by a liquid cooled diesel engine. Pump unit to include a Gorman-Rupp model T6A60S-(SAE) pumpend powered by a Deutz Final Tier 4 diesel engine and controls. Pump unit shall be suitable for mounting on a trailer for over the road use.
- 1.02 The primary purpose of the pump shall be for wastewater treatment plant use, lift station emergency standby, or pump station bypass.
- 1.03 The pumpend manufacturer must be ISO 9001:2008 revision certified, with scope of registration including design control and service after sales activities.
- 1.04 The pumpend manufacturer must be registered to the ISO 14001 Environmental Management System standard and as such is committed to minimizing the impact of its activities on the environment and promoting environmental sustainability by the use of best management practices, technological advances, promoting environmental awareness and continual improvement.
- 1.05 The pumpend manufacturer must be a current member of the Contractors Pump Bureau (CPB) with supporting documentation available upon request.
- 1.06 Performance Criteria
  - A. Pump must be designed to handle raw unscreened domestic sanitary sewage, industrial waste, trash or debris. Pump shall have 6 inch suction connection, and 6 inch discharge connection. Each pump shall be selected to perform under following operating conditions:
    - 1. Capacity (GPM) \_\_\_\_\_
    - 2. Total Dynamic Head (FT) \_\_\_\_\_
    - 3. Total Dynamic Suction Lift (FT) \_\_\_\_\_
    - 4. Maximum Repriming Lift (FT) \_\_\_\_\_
    - 5. Minimum TDH (FT) \_\_\_\_\_
    - 6. Maximum TDH (FT) \_\_\_\_\_
    - 7. Maximum Static Suction Lift (FT) \_\_\_\_\_
    - 8. Total Discharge Static Head (FT) \_\_\_\_\_
  - B: Pump Performance Certifications
    - 1. Solids Handling Capability
      - a. All internal passages, impeller vanes, and recirculation ports shall pass a 3 inch spherical solid. Screens or smaller internal passages that create a maintenance nuisance or interfere with priming and pump performance shall not be permitted. Upon request from the engineer, manufacturer's certified drawings showing size and location of the recirculation port(s) shall be submitted for approval.
  - C. Reprime Performance

1. Consideration shall be given to the service anticipated, in which debris is expected to lodge between the suction check valve and its seat, resulting in the loss of the pump suction leg, and siphoning of liquid from the pump casing to the approximate center line of the impeller. Such occurrence shall be considered normal, and the pump must be capable of automatic, unattended operation with an air release line installed.
2. During unattended operation, the pump shall retain adequate liquid in the casing to insure automatic repriming while operating at its rated speed in a completely open system. The need for a suction check valve or external priming device shall not be required.
3. Pump must reprime 25 vertical feet at the maximum continuous speed and impeller diameter. Reprime lift is defined as the static height of the pump suction above the liquid, while operating with only one-half of the liquid remaining in the pump casing. The pump must reprime and deliver full capacity within five minutes after the pump is energized in the reprime condition. Additional standards under which reprime tests shall be conducted are:
  - a. Piping shall incorporate an open discharge line.
  - b. A length of air release pipe shall be installed between pump and the discharge check valve. This line shall be open to atmosphere at all times duplicating the air displacement rate anticipated at a typical pump station fitted with an air release valve.
  - c. The pump suction check valve shall be removed. No restrictions in the pump or suction piping will prevent the siphon drop of the suction leg. Suction pipe configuration for reprime test shall incorporate a 2 feet minimum horizontal run, a 90° elbow and vertical run at the specified lift. Pipe size shall be equal to the pump suction diameter.
  - d. Impeller clearances shall be set as recommended in the pump service manual.
  - e. Repeatability of performance shall be demonstrated by testing five consecutive reprime cycles. Full pump capacity (flow) shall be achieved within five minutes during each cycle.
  - f. Liquid to be used for reprime test shall be water.
  - g. Upon request from the engineer, certified reprime performance test results, prepared by the manufacturer, and certified by a registered professional engineer, shall be submitted for approval prior to shipment.

#### 1.07 Manufacturer's Warranty

- A. The pumpend manufacturer shall warrant the pump equipment to be of quality construction, free of defects in material and workmanship. A written warranty shall include specific details described below.
- B. The pumpend shall be warranted for sixty (60) months, excepting only those items that are normally consumed in service, such as oils, grease, packing, gaskets, O-rings, etc. The pumpend manufacturer shall be solely responsible for warranty of the pump equipment and all components.

- C. All structural welds on the unit base and lifting bale will carry a Barco Pump lifetime warranty. All other components will adhere to the "manufacturers" warranties.
- D. It is not intended that the pump packager assume liability for consequential damages or contingent liabilities arising from failure of any vendor supplied product or part which fails to properly operate, however caused. Consequential damages resulting from defects in design, or delays in delivery are also beyond the manufacturer's scope of liability.

## **PART 2 - PRODUCT**

### **2.01 Pump Design**

- A. Pump shall be a horizontal, self-priming centrifugal type, designed specifically for pumping raw unscreened domestic sanitary sewage, industrial waste, trash or debris. Pump solids handling capability and performance criteria shall be in accordance with requirements listed under PART 1 – GENERAL of this section.
- B. Pumps that require external priming devices such as compressors or vacuum pumps will not be considered.
- C. Pump shall have a 6 inch suction, and a 6 inch discharge connection.
- D. Materials and Construction Features
  - 1. Pump casing: Casing shall be cast iron Class 30 with integral volute scroll. Casing shall incorporate following features:
    - a. Mounting feet sized to prevent tipping or binding when pump is completely disassembled for maintenance.
    - b. Fill port coverplate, 3½" diameter, shall be opened after loosening a hand nut/clamp bar assembly. In consideration for safety, hand nut threads must provide slow release of pressure, and the clamp bar shall be retained by detente lugs. A Teflon gasket shall prevent adhesion of the fill port cover to the casing.
    - c. Casing drain plug shall be at least 1 1/4" NPT to insure complete and rapid draining.
    - d. Liquid volume and recirculation port design shall be consistent with performance criteria listed under PART 1 - GENERAL of this section.
  - 2. Coverplate: Coverplate shall be cast iron Class 30. Design must incorporate following maintenance features:
    - a. Retained by hand nuts for complete access to pump interior. Coverplate removal must provide ample clearance for removal of stoppages, and allow service to the impeller, seal, wearplate or check valve without removing suction or discharge piping.
    - b. A replaceable wearplate secured to the coverplate by weld studs and nuts shall be AISI 1015 HRS.
    - c. In consideration for safety, a pressure relief valve shall be supplied in the coverplate. Relief valve shall open at 75-200 PSI.

- d. Two O-rings of Buna-N material shall seal coverplate to pump casing.
  - e. Pusher bolt capability to assist in removal of coverplate. Pusher bolt threaded holes shall be sized to accept same retaining capscrews as used in rotating assembly.
  - f. Easy-grip handle shall be mounted to face of coverplate.
3. Rotating Assembly: A rotating assembly, which includes impeller, shaft, mechanical shaft seal, lip seals, bearings, sealplate and bearing housing, must be removable as a single unit without disturbing the pump casing or piping. Design shall incorporate following features:
- a. Sealplate and bearing housing shall be cast iron Class 30. Separate oil filled cavities, vented to atmosphere, shall be provided for shaft seal and bearings. Cavities must be cooled by the liquid pumped. Three lip seals will prevent leakage of oil.
    - 1) The bearing cavity shall have an oil level sight gauge and fill plug check valve. The clear sight gauge shall provide easy monitoring of the bearing cavity oil level and condition of oil without removal of the fill plug check valve. The check valve shall vent the cavity but prevent introduction of moist air to the bearings.
    - 2) The seal cavity shall have an oil level sight gauge and fill/vent plug. The clear sight gauge shall provide easy monitoring of the seal cavity oil level and condition of oil without removal of the fill/vent plug.
    - 3) Double lip seal shall provide an atmospheric path providing positive protection of bearings, with capability for external drainage monitoring.
  - b. Impeller shall be ductile iron, two-vane, semi-open, non-clog, with integral pump out vanes on the back shroud. Impeller shall thread onto the pump shaft.
  - c. Shaft shall be AISI 17-4 pH stainless steel.
  - d. Bearings shall be anti-friction ball type of proper size and design to withstand all radial and thrust loads expected during normal operation. Bearings shall be oil lubricated from a dedicated reservoir. Pump designs which use the same oil to lubricate the bearings and shaft seal shall not be acceptable.
  - e. Shaft seal shall be oil lubricated mechanical type. The stationary and rotating seal faces shall be silicon carbide alloy. Each mating surface shall be lapped to within three light bands flatness (35 millionths of an inch), as measured by an optical flat under monochromatic light. The stationary seal seat shall be double floating by virtue of a dual O-ring design; an external O-ring secures the stationary seat to the sealplate, and an internal O-ring holds the faces in alignment during periods of mechanical or hydraulic shock (loads which cause shaft deflection, vibration, and axial/radial movement). Elastomers shall be viton; cage and spring to be stainless steel. Seal shall be oil lubricated from a dedicated reservoir. The same oil shall not lubricate both shaft seal and shaft bearings. Seal shall be warranted in accordance with requirements listed under PART 1 - GENERAL of this section.

- f. Pusher bolt capability to assist in removal of rotating assembly. Pusher bolt threaded holes shall be sized to accept same capscrews as used for retaining rotating assembly.
- 4. Adjustment of the impeller face clearance (distance between impeller and wearplate) shall be accomplished by external means.
    - a. Clearances shall be maintained by a four point external shimless coverplate adjustment system, utilizing a four collar and four adjusting screw design allowing for incremental adjustment of clearances by hand as required. Each of the four points shall be lockable to prevent inadvertent clearance increases or decreases due to equipment vibration or accidental operator contact. The four point system also allows for equal clearance gaps at all points between the impeller and wear plate. Requirement of realignment of belts, couplings, etc., shall not be acceptable. Coverplate shall be capable of being removed without disturbing clearance settings. Clearance adjustment systems that utilize less than four points will not be considered.
    - b. There shall be provisions for additional clearance adjustment in the event that adjustment tolerances have been depleted from the coverplate side of the pump. The removal of stainless steel tabbed spacers from the rotating assembly side of the pump shall allow for further adjustment as described above.
    - c. Clearance adjustment which requires movement of the shaft only, thereby adversely affecting seal working length or impeller back clearance, shall not be acceptable.
  - 5. Suction check valve shall be molded Neoprene with integral steel and nylon reinforcement. A blow-out center shall protect pump casing from hydraulic shock or excessive pressure. Removal or installation of the check valve must be accomplished through the coverplate opening, without disturbing the suction piping. Sole function of check valve shall be to save energy by eliminating need to reprime after each pumping cycle. Pumps requiring a suction check valve to assist reprime will not be acceptable.
  - 6. Spool flanges shall be one-piece cast iron, class 30 fitted to suction and/or discharge ports. Each spool shall have one 1-1/4" NPT and one 1/4" NPT tapped hole with pipe plugs for mounting gauges or other equipment.
  - 7. No special tools shall be required for replacement of any components within the pump.

## 2.02 Engine

- A. The engine shall be an air cooled, (4) cylinder, four cycle liquid cooled, final tier 4, diesel engine, Deutz 2.9 liter. The engine shall have the following minimum design characteristics:
  - 1. Displacement shall be 177 cubic inches.
  - 2. Maximum continuous BHP shall be 75 @ 2300 RPM.
  - 3. Electronic engine.
  - 4. Forced circulation lubrication.

5. Dry type air cleaner.
6. Fuel tank shall be 100 U.S. gallons minimum and shall be furnished with a 32 hour minimum operating time at full load.
7. Starter shall be 12 volt.

B. Additional features shall include:

1. Radiator with drain valve on bottom of radiator.
2. Engine oil drain provisions.
3. Muffler with guard and weather cap.
4. For selection of engine size, engine performance shall be de-rated according to manufacturer's specifications to allow for decreased performance in an ambient temperature of 100 degrees F.
5. Engine rating shall be further reduced to conform to engine manufacturer's recommendations for continuous service applications.

## 2.03 Control System

A. Description

1. The engine shall be equipped with a Murphy- style controller as required. Components shall include, but not limited to, the following:
  - a. 12 volt DC electrical system including starter and alternator.
  - b. Digital elapsed running time meter.
  - c. Shutdown sensors for engine temperature, oil pressure, and overspeed.
  - d. Keyed switch for manual, off, or automatic operation of the engine.
2. The electrical control components shall be provided by the pump supplier and shall include the following:
  - a. Indicating lights shall be LED type and shall be provided for engine overcrank, engine low oil pressure, high coolant temperature, and engine overspeed. LED emitting the color Yellow shall indicate "Warning"; LED emitting the color Red shall indicate "Fault".
  - b. A six-digit elapsed time display shall be provided to indicate the total running time in "hours" and "tenths of hours".
  - c. Controls shall include a micro-processor based controller with 40 character two row LCD backlit display. It shall be housed in a lockable polycarbonate clear cover enclosure.

B. Engine control system

1. The engine control system shall be designed to accomplish the following tasks:
  - a. Permit the operator to select mode of engine operation, providing manual start and stop of the engine to override the level control system.
  - b. Crank the engine upon start command from the level control system, and stop the engine upon a stop command.
  - c. Stop the cranking sequence if the engine fails to start after a reasonable number of attempts, and to provide an audible alarm indication of failure to start.
  - d. While the engine is operating, continuously monitor engine speed, temperature and oil pressure.
  - e. Stop the engine for excessive speed, excessive coolant temperature, or insufficient oil pressure, and provide an alarm indication of shutdown and its cause. If any of these parameters approach a shutdown condition, an audible alarm will sound and the parameter in question will flash before an actual shutdown occurs.
  - f. Once the engine has started normally, the engine control system shall monitor and display engine speed, coolant temperature, system voltage, run time, and oil pressure. Upon engine failure from any cause, system shall provide an alarm indication, and illuminate an indicator.

*\*(Optional Accessory for **HIGH SPEED [55 MPH] WHEEL KIT**)*

C. Wheel Kit

1. The pump unit shall be factory mounted on a two-wheel high speed wheel kit rated for 55 MPH. The wheel kit shall be equipped with P225/75R15 pneumatic tires, adjustable front and rear vertically adjustable pin type support stands, and a lunette eye or ball type hitch.

**BATTERY**

- D. Battery shall be minimum 95 amp hour industrial type with 950 cold cranking amps.

**END**