

## Non-Public Works Bid

## AFFIDAVIT

STATE OF LouisianaPARISH/COUNTY OF Caddo

BEFORE ME, the undersigned authority, personally came and appeared: Jeffrey T. Grimage, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized President of Gem Pump + Electric Motors (Entity), the party who submitted a bid in response to Bid Number 50-00120670 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.

  
\_\_\_\_\_  
Signature of Affiant

Jeffrey T Grunow  
\_\_\_\_\_  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 18<sup>th</sup> DAY OF September, 2017.

  
\_\_\_\_\_  
Notary Public

Letrice Player Morris  
\_\_\_\_\_  
Printed Name of Notary

39852  
\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires at death.

**LETTRICE PLAYER MORRIS**  
NOTARY ID # 39852  
BOSSIER PARISH, LOUISIANA  
MY COMMISSION IS FOR LIFE



DATE: 8/30/2017

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BID NO.: 50-00120670

**BID FORM**  
Non Public Works

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 \_\_\_\_\_.

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

4-6 weeks ARD

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

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

FIRM NAME: dba: GEM Pumps & Electric Motors (GEM Electric LLC)  
ADDRESS: 1104 Grimmerth Drive (PO Box 78583)  
CITY, STATE: Shreveport, LA ZIP: 71107 (71137)  
TELEPHONE: (318) 221-1372 FAX: (318) 221-1375  
EMAIL ADDRESS: gemelectric@gemelectricllc.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 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: \$ 152,000.00

AUTHORIZED SIGNATURE: Angela Burch  
TITLE: Executive Assistant / Sales

Angela Burch  
Printed Name

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.



DATE: 8/30/2017

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## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00120670

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	4.00	EA	<p>A ONE-TIME PURCHASE OF 6 INCH SELF PRIMING CAST IRON TRASH PUMPS FOR THE JEFFERSON PARISH WEST BANK DRAINAGE DEPARTMENT</p> <p>0010 - 6" X 6" Self-Priming Horizontal Sewage Pump, Diesel Powered, Trailer Mounted, Thompson Pump Model 6HT-DIST-4LE2T or equal, per the attached specifications</p> <p>Louisiana Dealer's License Required: In accordance with LA RS 32:1254 et seq and LA RS 38:2212.8, a Louisiana State Dealer's License is required. All bidders must provide a copy of their valid Louisiana Dealer's License with their bid submission. Failure to submit this copy will result in bid rejection.</p> <p>DELIVER TO: Fleet Department 4901 Jefferson Hwy Jefferson, LA 70121</p> <p><i>See quote for Barmesa units that are quoted.</i></p>	<del>38,000</del>	<del>152,000</del>



**Bid Number 50 - 00120670**

**A ONE-TIME PURCHASE OF 6 INCH SELF PRIMING CAST IRON TRASH  
PUMPS FOR THE JEFFERSON PARISH WEST BANK DRAINAGE  
DEPARTMENT**

**BID DUE: September 14, 2017, 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 in the Purchasing  
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer Name: Melissa Ovalle  
Buyer Email: [movalle@jeffparish.net](mailto:movalle@jeffparish.net)  
Buyer Phone: (504) 364-2687**



# JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni  
Parish President

Brenda C. Patel  
Director

September 13, 2017

## ADDENDUM # 1

Bid No.: 50-00120670

Bid Opening Date: September 14, 2017, 2:00 PM  
Postponing Bid Opening Date to: September 28, 2017, 2:00 PM

For: A ONE-TIME PURCHASE OF 6 INCH SELF PRIMING CAST IRON TRASH PUMPS FOR THE  
JEFFERSON PARISH WEST BANK DRAINAGE DEPARTMENT

- **BID OPENING DATE HAS BEEN POSTPONED TO: September 28, 2017 at 2:00 PM**
- **REVISION TO SPECIFICATIONS: A Louisiana Dealer's License is not a requirement for this bid.**

### REMOVE FROM SPECIFICATIONS:

LOUISIANA DEALER'S LICENSE

In accordance with LA RS 32:1254 et seq and LA RS 38:2212.8, a Louisiana State Dealer's License is required. All bidders must provide a copy of their valid Louisiana Dealer's License with their bid submission. Failure to submit this copy will result in bid rejection.

Sincerely,

Melissa Ovalle

Melissa Ovalle, Buyer II  
Jefferson Parish Purchasing Department

**Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.**

**This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.**





# JEFFERSON PARISH

Department of Purchasing

**Michael S. Yenni**  
Parish President

**Brenda C. Patel**  
Director

## **CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES**

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

### **Other Changes Continued:**

- For all advertised sealed bids, written evidence of signature authority must be included with bid submission.
- Current W9 Forms 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, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must produce final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

**Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package for specific requirements to respond accordingly.**

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

## **TECHNICAL SPECIFICATIONS FOR: 6" X 6" Self-Priming Horizontal Sewage Pump**

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### **GENERAL DESCRIPTION**

These specifications call for the fabrication, delivery, and acceptance of four (4) new 6" Diesel Powered, Trailer Mounted Wastewater Trash Pumps. All deliveries will go to our Fleet Department located at:

Fleet Department  
4901 Jefferson Hwy  
Jefferson, LA 70121

Where exact compliance to the specifications as contained herein is not offered, bidders shall attach a letter of exceptions to their bids. Letters of exceptions shall refer to specific specifications herein and shall fully explain in detail where 6" Diesel Powered, Trailer Mounted Wastewater Trash Pump offered differs from requirements as spelled out herein. Bidders are warned that mere attachment of brochures covering standard manufactured equipment when such differs from these specifications shall not be adequate to satisfy the letter of exceptions requirement.

The unit shall be a 6-inch portable horizontal self-priming centrifugal trash pump driven by a water-cooled diesel engine. The pump shall be self-priming and capable of handling large volumes of air, water, and solids. End-suction centrifugal pumps requiring add-on systems for priming shall not be considered.

- The complete pump package shall be manufactured in a plant that is registered to ISO9001:2008 and a copy of the Certificate may be requested by Owner before bid acceptance.
- The pump shall be designated and manufactured in conformance with CPB / AEM standards.

### **LOUISIANA DEALER'S LICENSE**

**In accordance with LA RS 32:1254 et seq and LA RS 38:2212.8, a Louisiana State Dealer's License is required. All bidders must provide a copy of their valid Louisiana Dealer's License with their bid submission. Failure to submit this copy will result in bid rejection.**

### **DIESEL ENGINE**

- Pre-approved diesel engines include:
  - Isuzu model 4LE2T
  - John Deere model number 3029HFC03/EWX 2.9L



- The engine shall meet, or exceed, the Final Tier 4 emission standards by utilizing a Diesel Oxidation Catalyst (DOC) only. Diesel engines requiring Diesel Exhaust Fluid (DEF), Diesel Particulate Filters (DPF) and/or regen requirements will NOT be considered.
- The engine shall have an industrial type battery with 175-amp hour rating and minimum 990 cold-cranking amps, with 175 amp reserve, mounted in a lockable frame.
- A 12-volt starter and alternator charging system shall be provided.
- Engine shall have a hospital grade silencer muffler.
- Engine shall have a mechanical type governor.
- Engine shall have variable speed throttle control.
- Engine shall have safety shutdown switches for low oil pressure and high water temperature.
- An instrument panel shall be provided in the enclosure and mounted on rubber isolators.
- Instrument panel shall contain the following instrumentation and controls: key switch, tachometer, hour meter, oil pressure gauge, water temperature gauge, charge indicator lamp.

#### **CENTRIFUGAL PUMP**

- The centrifugal pump shall be a 6"x6" horizontal self-priming centrifugal sewage pump manufactured by Thompson Pump model 6HT-DIST-4LE2T or owner approved equal.
- The volute shall be integrally cast in the pump casing. Volute and pump casing shall be constructed of cast iron of no lesser grade than class 30.
- The centrifugal pump shall contain a self-cleaning priming passage (re-prime port) positioned tangentially to the fluid flow path to prevent plugging. Re-prime port designs that include conduits positioned directly in the fluid flow path shall not be considered.
- The impeller shall be two-vane, non-clogging, balanced, semi-open with full rear shroud, ductile iron and shall incorporate rear-equalizing vanes to reduce axial loading and prolong seal and bearing life.
- The pump shaft shall be made of SAE 4140 alloy steel. A shaft sleeve composed of 304 stainless steel shall be fitted to the shaft to protect the shaft from wear from the mechanical seal and lip seal.
- The mechanical seal shall be a single, inside mounted, non-pusher type with self-adjusting elastomeric bellows. The seal faces shall be constructed of Tungsten Carbide. All other seal components shall be 304 S.S. and viton rubber. Neither outside mounted seals susceptible to losing face contact during surging conditions or packing shall be considered.
- The seal chamber shall have a tapered bore design, which allows removal of solids and entrained gases from behind the impeller. Seal housing shall be designed to provide adequate lubrication to the seal faces during extended periods of pump dry running. Seal housing shall provide grease lubrication to the seal.
- The pump shaft shall be supported by two bearings of ample size and proper design to withstand typical axial and radial loading imposed on the bearings during normal operation. Bearings shall be grease lubricated.



- The pump shall be equipped with a replaceable wear plate to protect the pump casing from wear. The wear plate shall be equipped with abrasion resistant rubber facing to extend service life.
- The pump shall have a back pullout design allowing the removal of the entire rotating assembly as a unit from the pump casing.
- The pump shall be equipped with a front cleanout cover allowing access to the impeller for removing trash or debris without disturbing the piping. Units not meeting this requirement shall not be considered.
- The pump shall incorporate a full flow suction non-return valve to retain liquid in the suction line to eliminate re-priming with each cycle. The suction non-return valve shall be a weighted flapper style valve constructed of cast-iron and two-ply nitrile rubber with nylon reinforcement.
- The pump shall incorporate a drain cover for draining the pump casing in freezing weather. The cover shall be removable without the need of special tools.
- The pump shall be capable of delivering minimum 1,400 gallons per minute at 1,800 RPM.
- The pump shall be capable of generating a closed discharge valve (shutoff) head of no less than 80 feet at 1,800 rpm.
- Centrifugal pump shall be capable of handling up to 3-inch diameter non-compressible spherical solids.
- Centrifugal pump shall be capable of fully self-priming on its own with a 25-ft static suction lift within two minutes when the pump is pre-filled with water.
- The pump shall be furnished with a liquid-filled vacuum gauge for system diagnostics.
- The pump inlet shall be equipped with a 6" Male Camlock style fitting.
- The pump outlet shall be equipped with a 6" 90° elbow & 6" Male Camlock style fitting.
- A 6" FNPT strainer shall be provided.

#### **MOUNTING FRAME**

- The complete power unit shall be mounted on a combination frame/single wall fuel tank constructed of tubular steel, approximate length 90 inches, approximate width 48 inches, with a fuel capacity of minimum 60 gallons.
- The frame shall incorporate an integral lifting bail capable of lifting the entire unit.
- Fuel tank shall have two clean-out ports located at opposite ends of the tank.
- Fuel tank shall have a removable basket strainer mounted in the fill port and a lockable cap.

#### **TRAILER**

- The complete pump set shall be factory mounted on a site trailer meeting NHTSA, DOT Part 571 standards 108, 119 and 120.
- Trailer shall include the following:
  - Single removable axle with leaf spring suspension
  - Two ST225/75R15-D tires.
  - Removable tongue assembly with 3" adjustable lunette eye hitch and safety chains.
  - Removable steel diamond plate fenders.
  - Lashing rings.

- One top wind swivel 15" retractable height tongue-mounted jack stand.
- Two front and two rear stabilizing stands.
- DOT light package including stop, turn, tail and side marker lights, and license bracket.

**PAINTING**

- A minimum 1-2 mil thick layer of Industrial Acrylic Enamel primer shall be applied to the entire pump set prior to the finish coat. A minimum 1-2 mil thick layer of Industrial Acrylic Enamel Paint shall be applied over the primer coat.

**WARRANTY**

- The manufacturer of the pumping unit shall warrant for a period of one year from the date of shipment that the entire unit and all equipment therein shall be free from defects in design, material, and workmanship.

**SERVICE FACILITY**

- The pump supplier shall have a service facility stocked with spare parts for the 6" trash pump being provided.

**TESTING**

- The complete pump set shall be factory tested according to ANSI/HI 1.61994 by a certified quality technician. A test report shall be submitted by the successful bidder to the Owner prior to acceptance of the pump delivery.

**MANUALS**

- One hard copy stored inside a rainproof document box and one electronic copy of the complete set of operation and maintenance manuals shall be furnished with the unit.
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DATE: 8/30/2017

BID NO.: 50-00120670

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 1

**JEFFERSON PARISH**

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

BUYER: MOVALLE@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 9/14/2017 AND PUBLICLY OPENED THEREAFTER.

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also 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**

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

**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.**

**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. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> 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. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

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 and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. 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.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an 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.

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.

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



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://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> 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 submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

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 Parish 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.



DATE: 8/30/2017

BID NO.: 50-00120670

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## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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 encouraged 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://purchasing.jeffparish.net>.

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. 113646 or 113647 dated 12/09/09. 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://purchasing.jeffparish.net> and clicking on Online Forms.

## ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

13, ~~16~~

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(l), 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 of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. 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 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.
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 envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then 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. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.



DATE: 8/30/2017

Page: 4

BID NO.: 50-00120670

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
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. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If 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-Collusion 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.
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 with bid submission. Failure to submit applicable certifications with bid submission 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 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 owned 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 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.

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 Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.



**CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
\_\_\_\_\_  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT \_\_\_\_\_, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

\_\_\_\_\_  
**SECRETARY-TREASURER**

\_\_\_\_\_  
**DATE**



### Engine Technical Data

Unit		4TNV98-NSA
<b>General Data</b>		
Number of Cylinders	-	4
Engine Type	-	Inline, Water-Cooled, 4 Stroke Diesel
Bore x Stroke	mm x mm	98 x 110
Total Displacement	cc	3318
Combustion type	-	Direct Injection
Aspiration	-	Natural Aspiration
Valves per Cylinder	-	4
Compression ratio	-	18.5
Firing Order	-	1-3-4-2
<b>Performance Data</b>		
Net Intermittent Power	HP [kW] / rpm	67.7 [50.5]/2500
Net Continuous Power	HP [kW] / rpm	--
Net Max Torque	lb-ft [Nm]/rpm	183.7 [249]/1000
Low Idle Speed	rpm	1000+/-25
High Idle Speed	rpm	2700+/-25
BMEP, Net Power	Psi [kPa]	106 [731]
BMEP, Cont. Power	Psi [kPa]	--
<b>Physical Data</b>		
Direction of rotation	-	Counter Clockwise (view from flywheel)
Length - Inches	Inches [mm]	29.76 [756]
Width - Inches	Inches [mm]	21.85 [555]
Height - Inches	Inches [mm]	32.95 [837]
Dry Weight	lbs [kg]	581 [264]
Center of Gravity:	-	
From Rear Face of Block	Inches [mm]	7.87 [200]
From Crankshaft to Exhaust Side	Inches [mm]	1.06 [27]
Above Crankshaft	Inches [mm]	4.88 [124]
<b>PTO System</b>		
Flywheel	-	SAE #4
Flywheel Housing	-	SAE #4 (Depth 158)
Gear Case	-	with SAE Hydraulic Pump Flange
<b>Lubrication System</b>		
Inclination, Continuous	degree	30
Inclination, 3 minutes Max.	degree	35
Oil Pan Style	-	Deep
Lubrication Oil Filter Type	-	Paper Element
Temperature Limit ( main oil pressure passage)	°F [°C]	248 [120]
Nominal Oil Pressure	psi [kgf/cm2]	50[3.5]
Oil Capacity, Effective	Liters	4.5
Total System Capacity	Liters	10.5
Oil Change Interval, Hours	hr	250 (50, initial)
Recommended Oil Type	API	CD, CF or higher grade

Date: October 29, 2003

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### Engine Technical Data

Engine Technical Data		4TNV98-NSA
Unit		
Cooling System		
Fan Type	-	Puller
Fan Diameter	Inches [mm]	16.9 [430]
Number of Blades	-	8
Fan Pulley Diameter	Inches [mm]	5.1 [130]
Crank Pulley Diameter	Inches [mm]	5.1 [130]
Fan Spacer Thickness - Inches [mm]	Inches [mm]	1.57 [40]
Max. Coolant Temp.	°F [°C]	221 [105]
Thermostat Starts Opening	°F [°C]	160±2.7 [71 ± 1.5]
Thermostat Fully Open	°F [°C]	185 [85]
Coolant Capacity (Engine)	Liters	4.2
Coolant Flow (C. W. Pump)	Liters / min	73.8
Heat Rejection at Rated Power	BTU/hr [kcal/hr]	117900 [29700]
Fuel System		
Fuel Filter Type	-	Paper Element
Fuel Injection Pump Type	-	Distributor Type
Water Separator (Standard)	-	Mesh size: 100-mesh/inch, water reservoir 150 cc
Max. Suction Head (Fuel pickup to Injection pump)	Inches [mm]	40 [1000]
Fuel Feed Pump Type	-	Electrical
Fuel Flow (Feed pump)	Liters / hr	60
Max. Allowable Fuel Temperature	° F [°C]	176 [80] Fuel Injection In
Required Separation Distance Between Pickup & Return	Inches [mm]	min. 4 [100]
Fuel Consumption at Net Inter. Power	hp-hr [g/kW-hr]	0.39 [238]
Intake System		
Max. Air Intake Restriction, initial	Inches Water, [kPa]	11.8 [2.9]
Max. Air Intake Restriction, replace element	Inches Water, [kPa]	25 [6.2]
Crankcase Ventilation Type	-	Closed
Engine Air Flow (For sizing air cleaners)	ft <sup>3</sup> / min. [m <sup>3</sup> / min]	131 [3.7]@2500 rpm
Exhaust System		
Max. Allowable Back Pressure, initial	Inches Water [kPa]	51.1 [12.7]
Max. Allowable Back Pressure, clean	Inches Water [kPa]	61.4 [15.3]
Exhaust Air Flow @ Max. Power Exhaust Temp.	ft <sup>3</sup> / min. [m <sup>3</sup> /min]	446 [12.6]
Exhaust Temperature at Max. Power	° F [°C]	1202 [650]
Exhaust Temperature at Max. Torque	° F [°C]	1004 [540]
Electrical System		
System Voltage	Volts	12 V
Electric Stop Device	-	Stop Solenoid
Alternator	-	12V-40A
Starting Aid Device	-	Air Heater, 12V 400W
Standard pre-heat time	Seconds	15
Engine Block Heater Port	-	Exhaust Side
Starting Motor Type	-	Reduction
Starting Motor Power	kW	2.3
Maximum Starter Cable Resistance	Ohm (Ω)	0.05
Maximum Battery Cable Resistance	Ohm (Ω)	0.0012

History:

Revision 1

Rearranged table

Corrected the Exhaust Air Flow @32 oF(0 oC) to Max. Power Exhaust Temp.

Revision: 1

Revision: 1

Manager	S. Manager	Written by

Date: October 29, 2003

Doc. No.: YAE-Spec-03-0060 Page: 2/2



## Splash Screen



## Menu's - Navigation

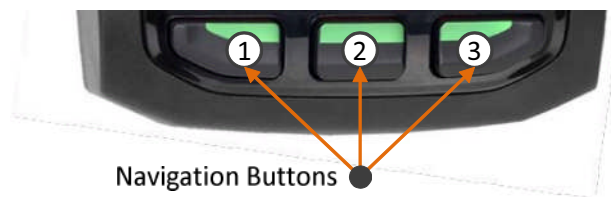












Press Any Key



Soft Keys Displayed

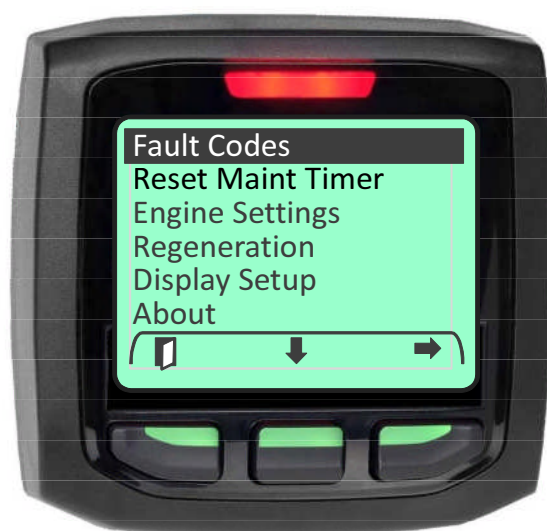
## Menu's - Navigation



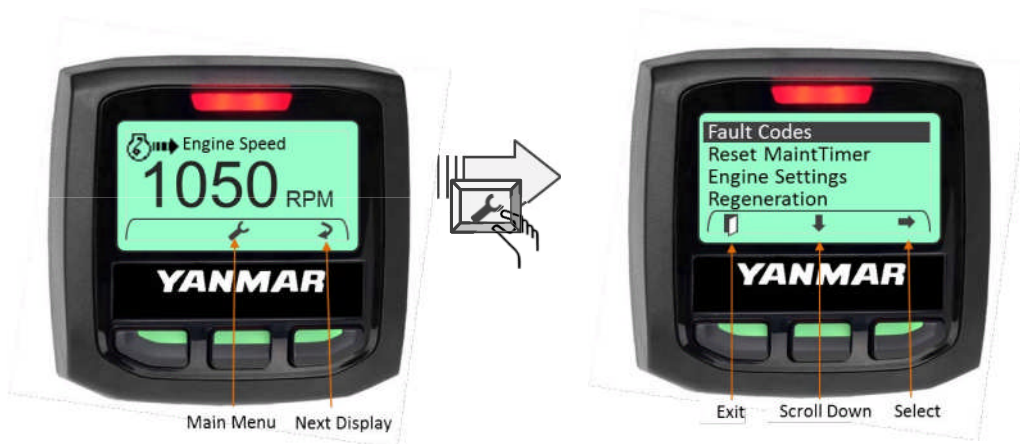
-  : Main Menu
-  : Exit
-  : Change
-  : Scroll Up
-  : Scroll Down
-  : Next
-  : Increment Value
-  : Decrement Value
-  : Acknowledge
-  : More Information



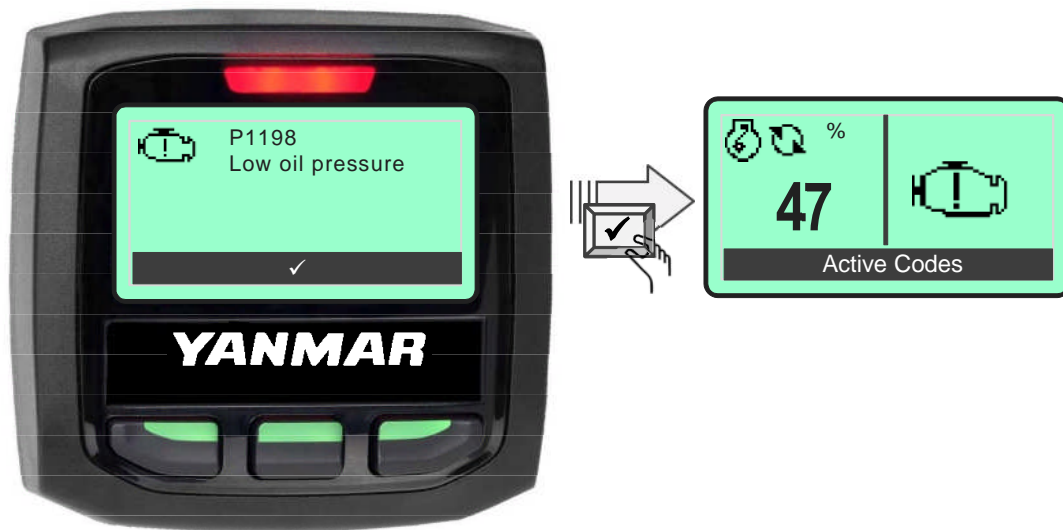
## Menu's – Main Menu Overview



## Menu's – Main Menu

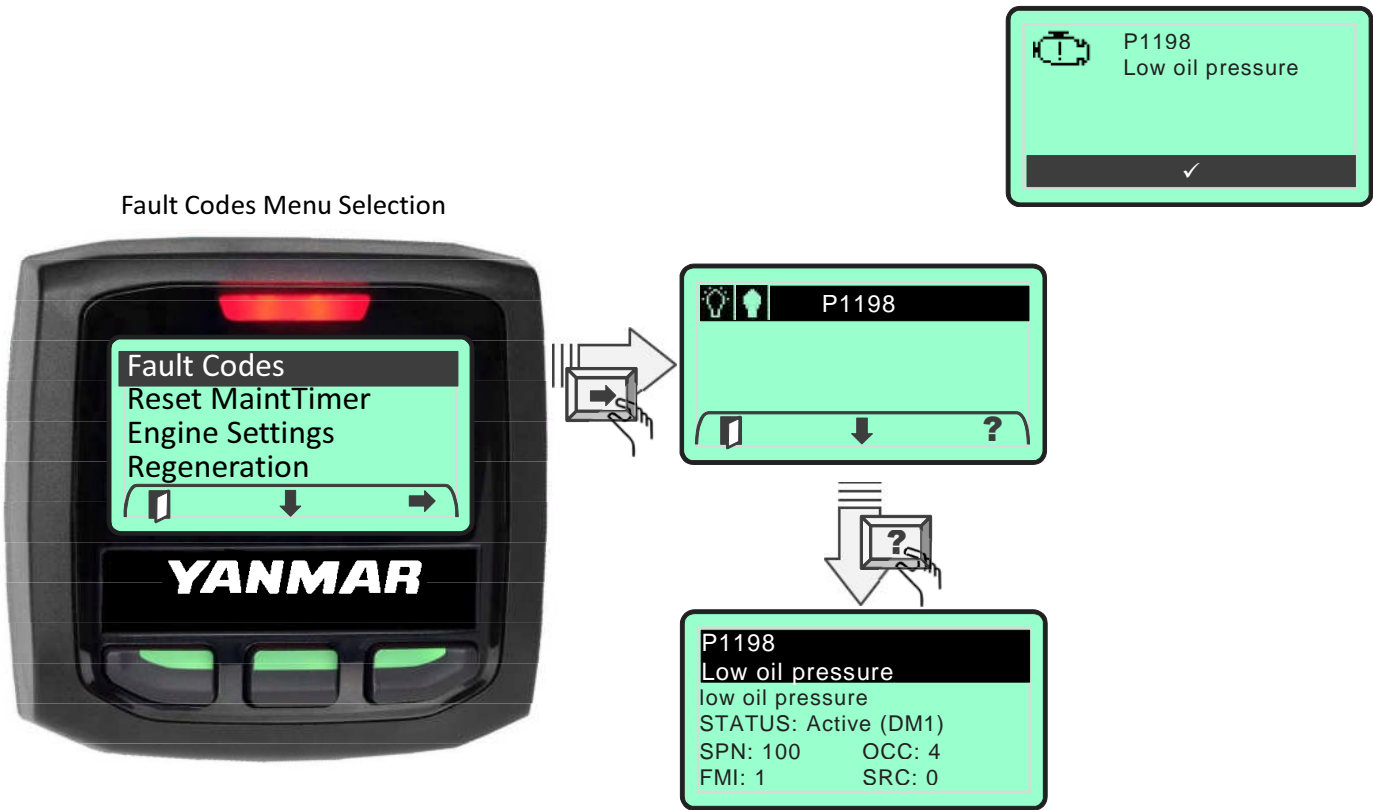


## Active Fault Code



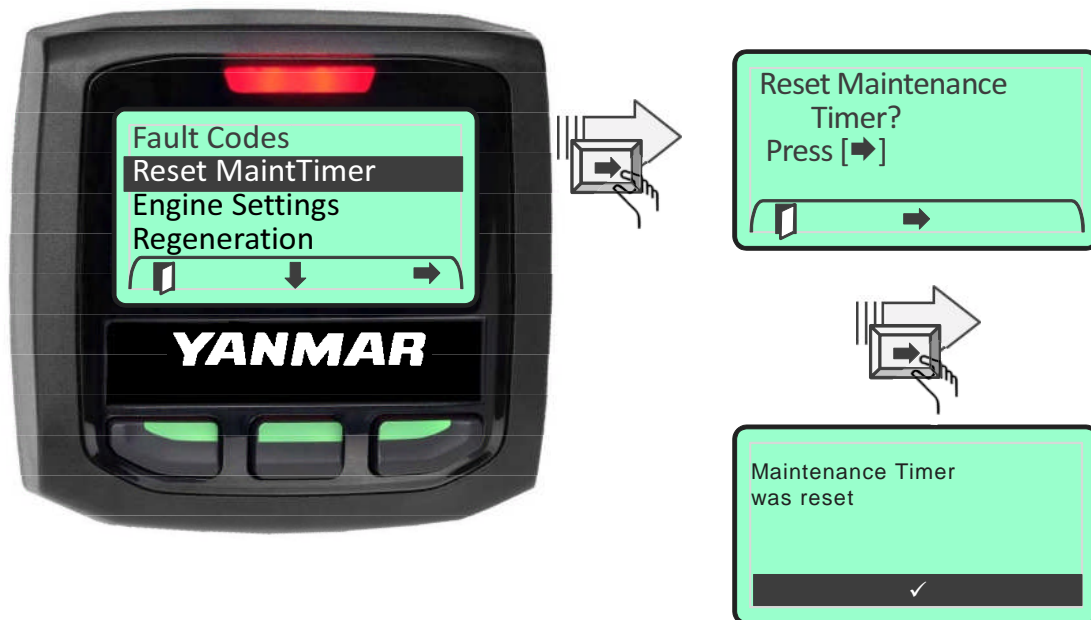


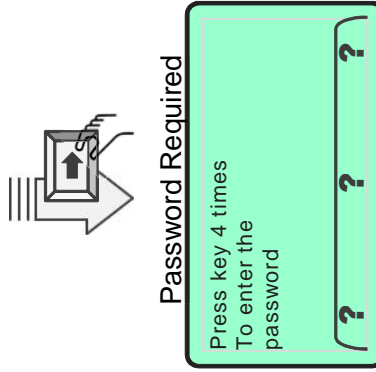
# Menu's – Fault Codes



## Menu's – Reset Maintenance Timer

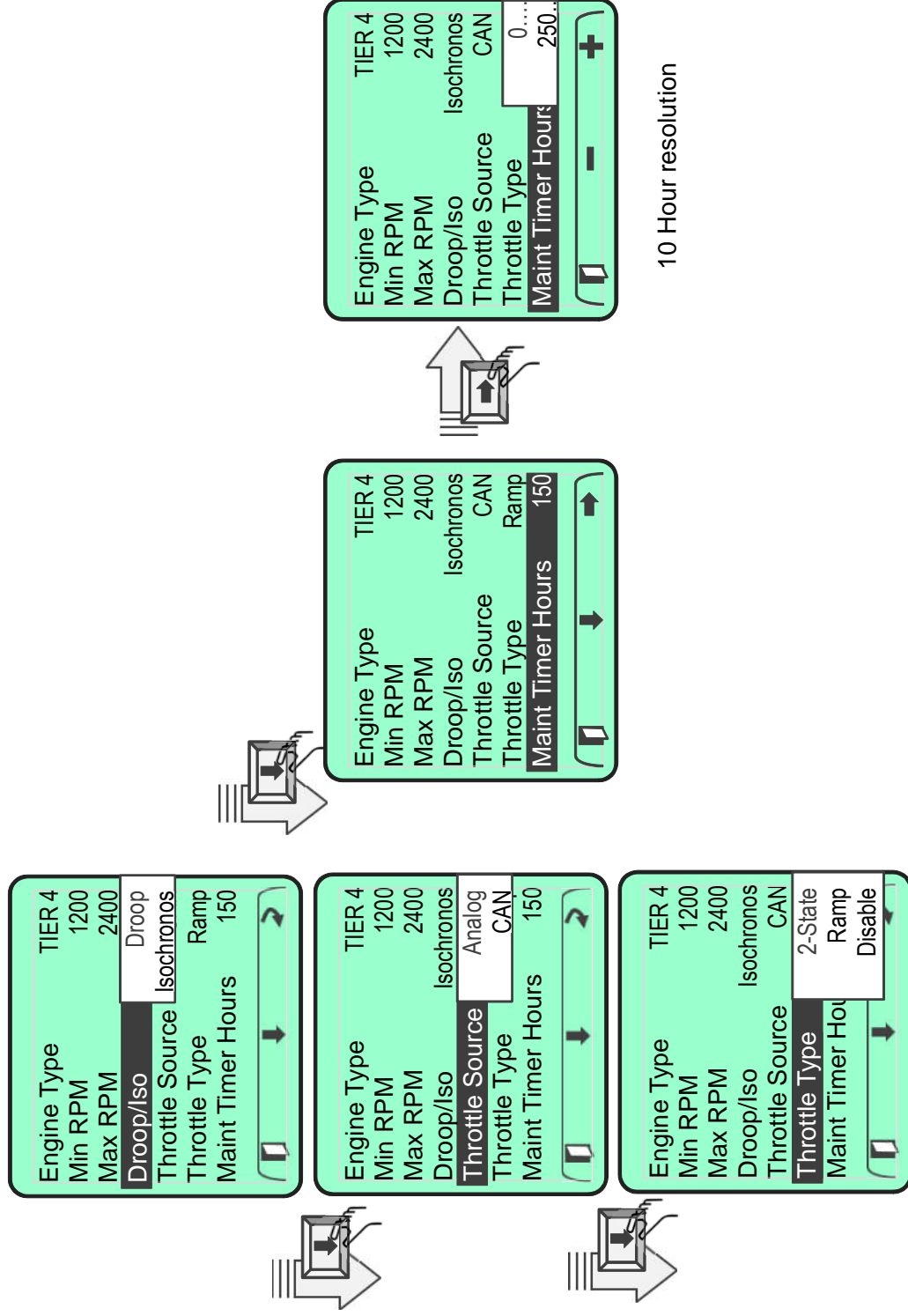
### Reset Maintenance Timer Menu Selection





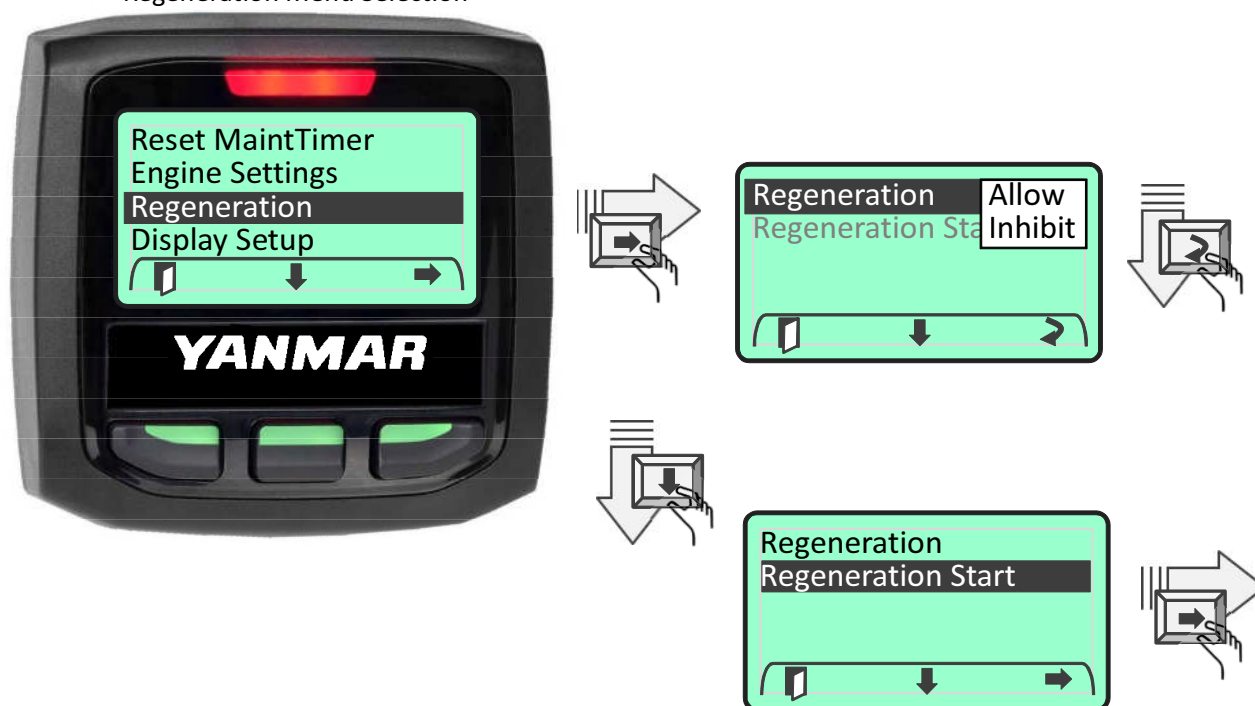


## Menu's – "Engine Settings"



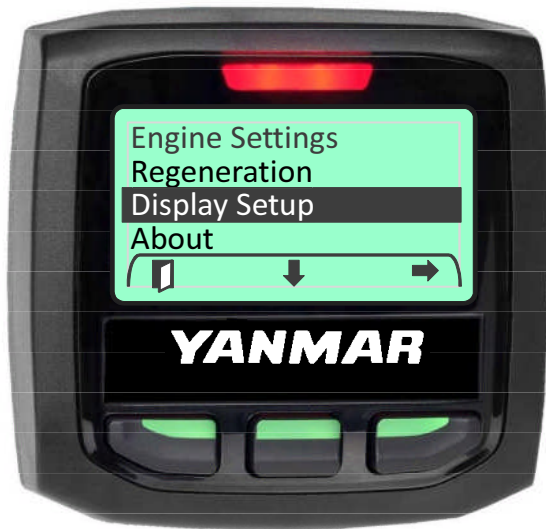
## Menu's – Regeneration

Regeneration Menu Selection



## Menu's – "Display Setup"

Display Setup Menu



Display Mode:	Single
Backlight	Dual
Contrast	50%
Pressure Units	BAR
Temp Units	CEL
Volume Units	LTR
Flow Rate	GPH

Display Mode:	Single
Backlight	0-100%
Contrast	50%
Pressure Units	BAR
Temp Units	CEL
Volume Units	LTR
Flow Rate	LPH

Display Mode:	Single
Backlight:	50%
Contrast:	0-100%
Pressure Units:	BAR
Temp Units:	CEL
Volume Units:	LTR
Flow Rate	LPH

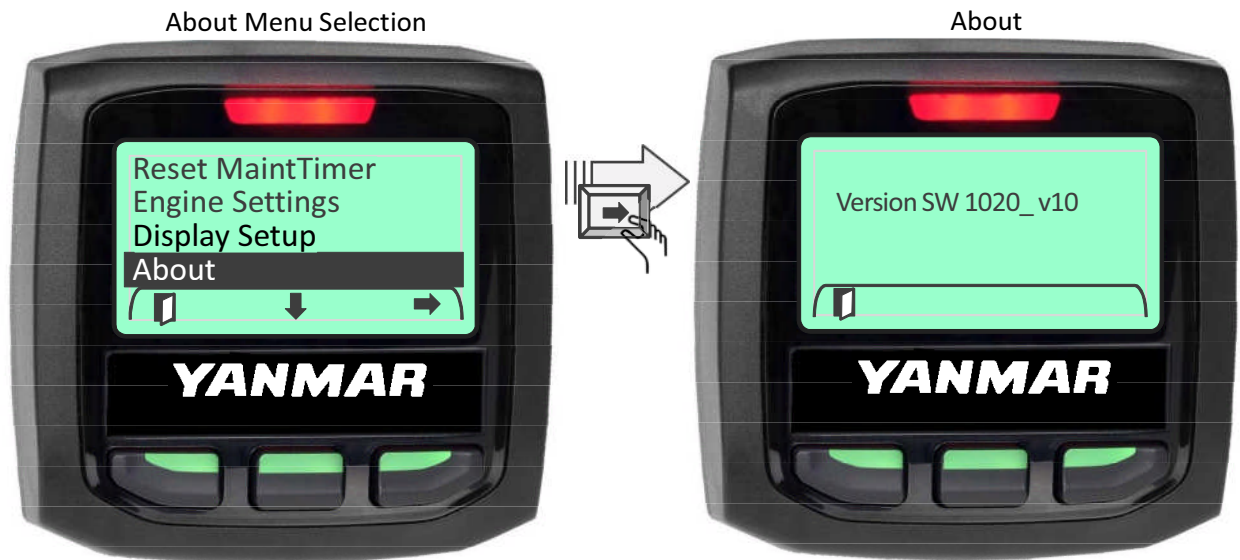
Display Mode	Single
Backlight	50%
Contrast	50%
Pressure Units	BAR
Temp Units	kPA
Volume Units	PSI
Flow Rate	LPH

Display Mode	Single
Backlight	50%
Contrast	50%
Pressure Units	BAR
Temp Units	CEL
Volume Units	FAHR
Flow Rate	LPH

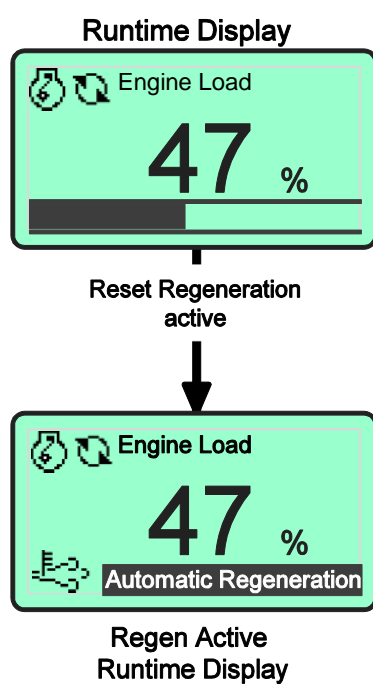
Display Mode	Single
Backlight	50%
Contrast	50%
Distance Units	miles
Pressure Units	psi
Temp Units	F
Volume Units	GAL
Flow Rate	LTR



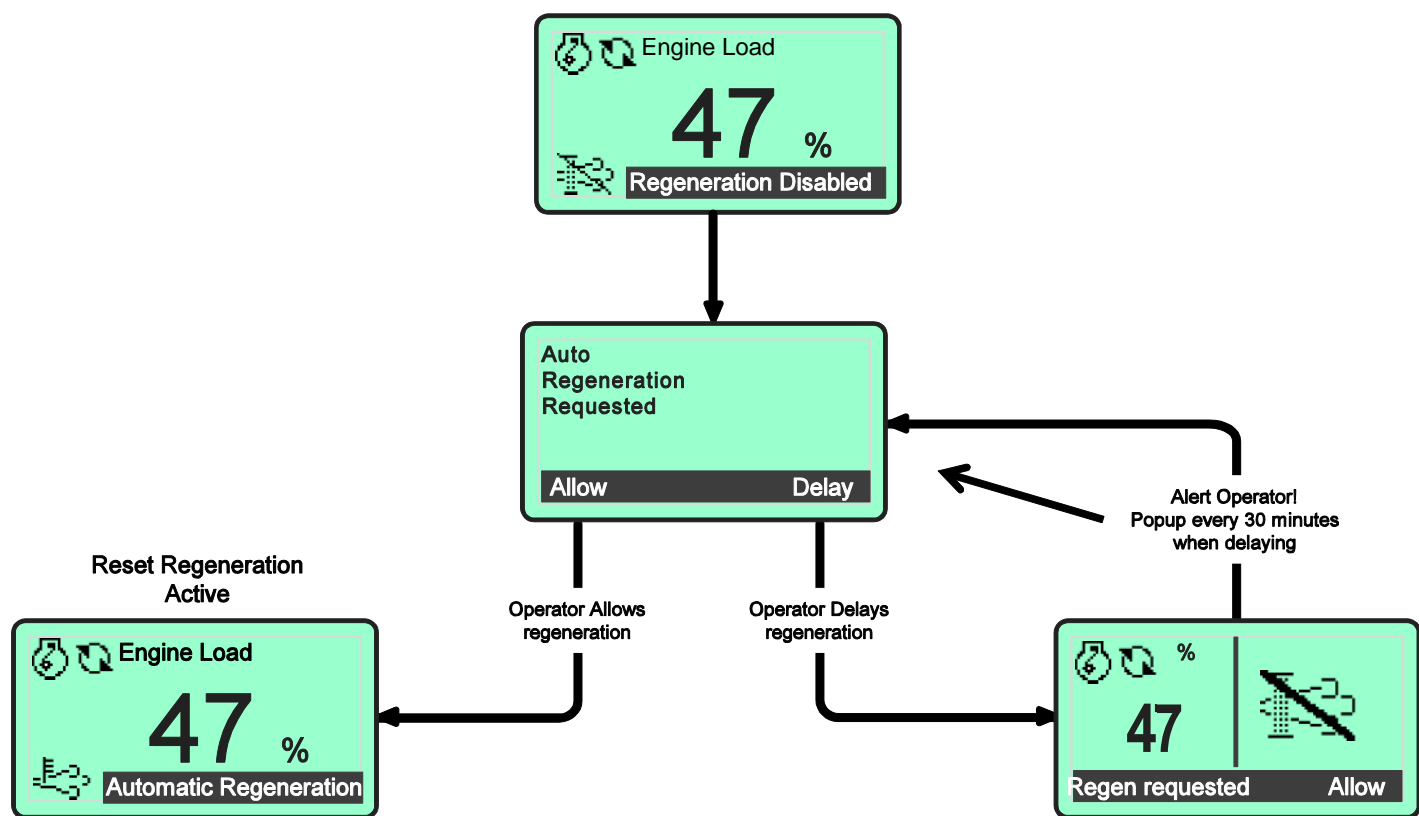
## Menu's – “About”



## Reset Regeneration Normal Operation - Displays

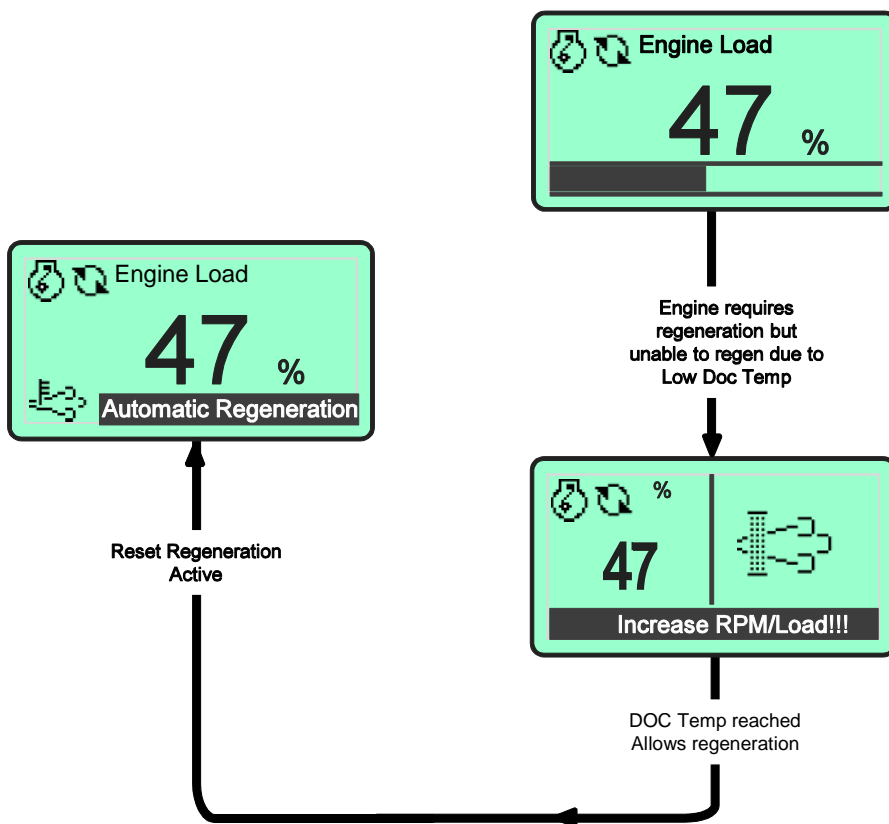


Reset Regeneration Standby due to Inhibit Switch



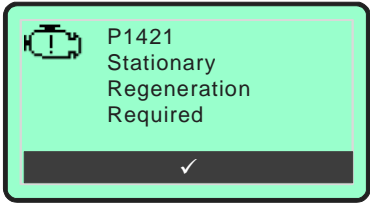
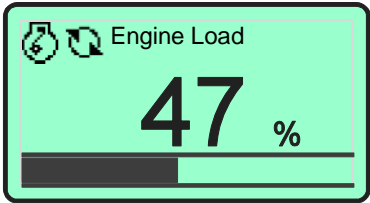


## Reset Regeneration Standby due Low DOC Temp

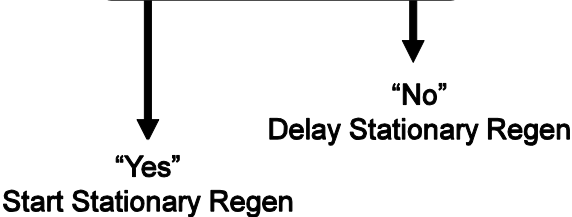
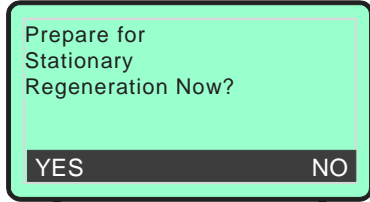


# Stationary Regeneration By EM

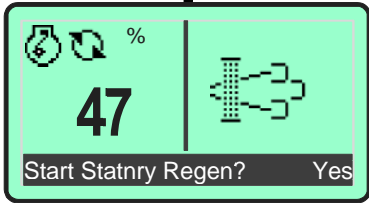
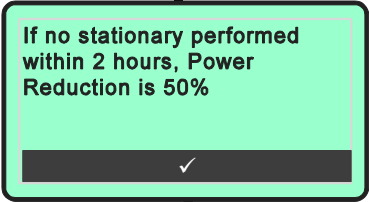
Runtime Display



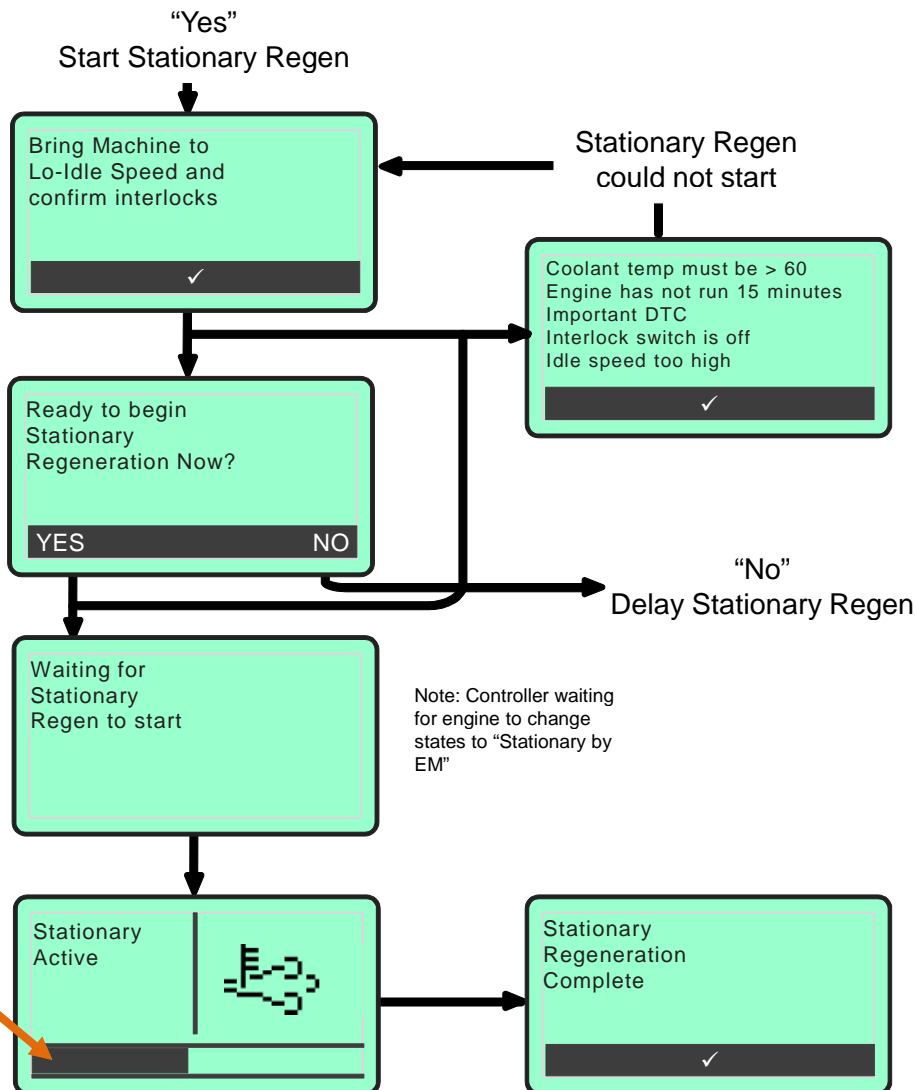
Note: This display will occur whenever Stationary regen is needed. Even if Regen disabled by switch.



"No"  
Delay Stationary Regen



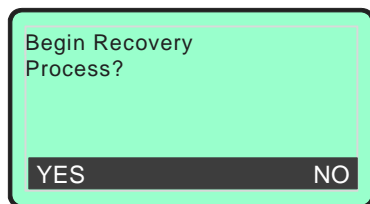
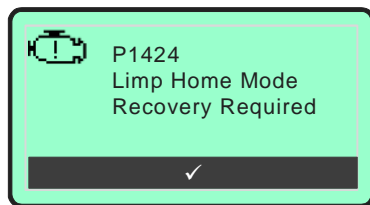
## Stationary Regeneration By EM – con't





## Recovery Regeneration

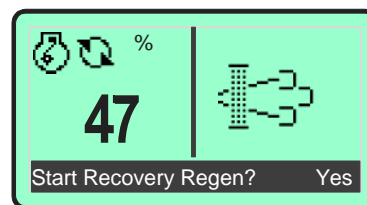
Recovery Regeneration occurs when stationary regeneration cannot be completed.



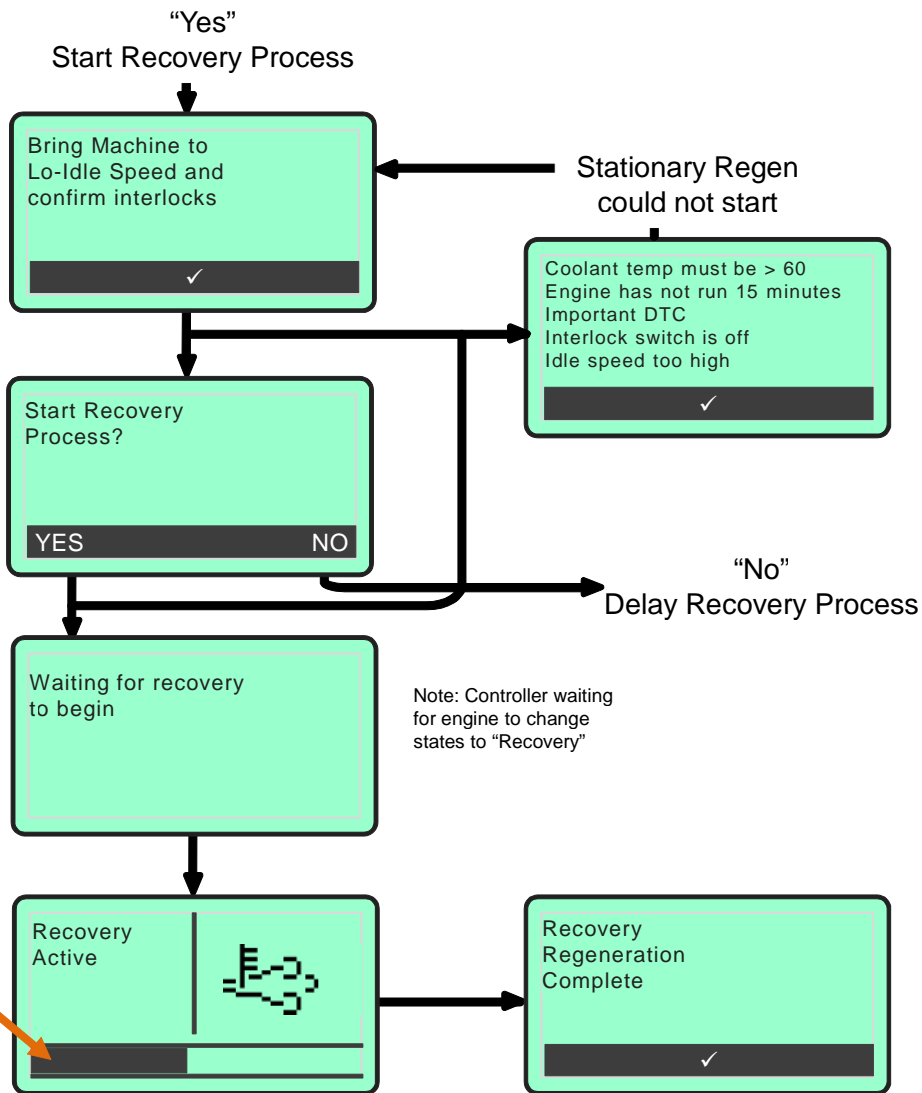
"Yes"

Start Recovery Process

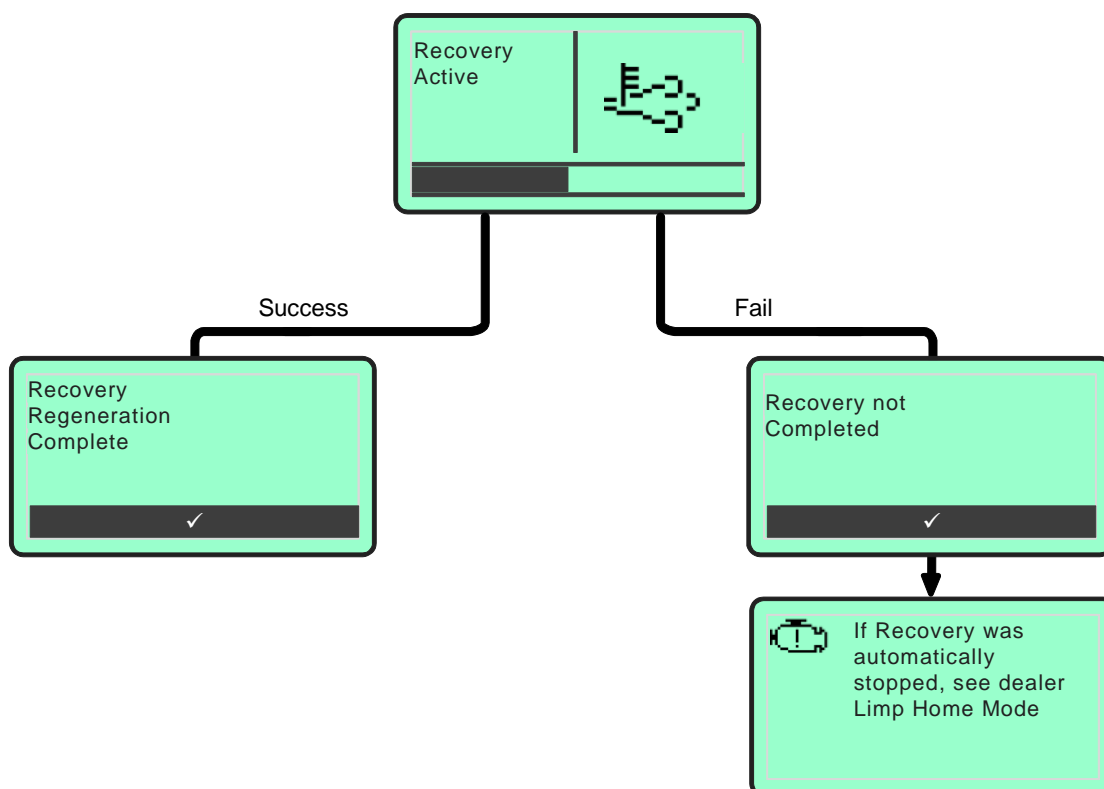
"No"  
Delay Recovery Process



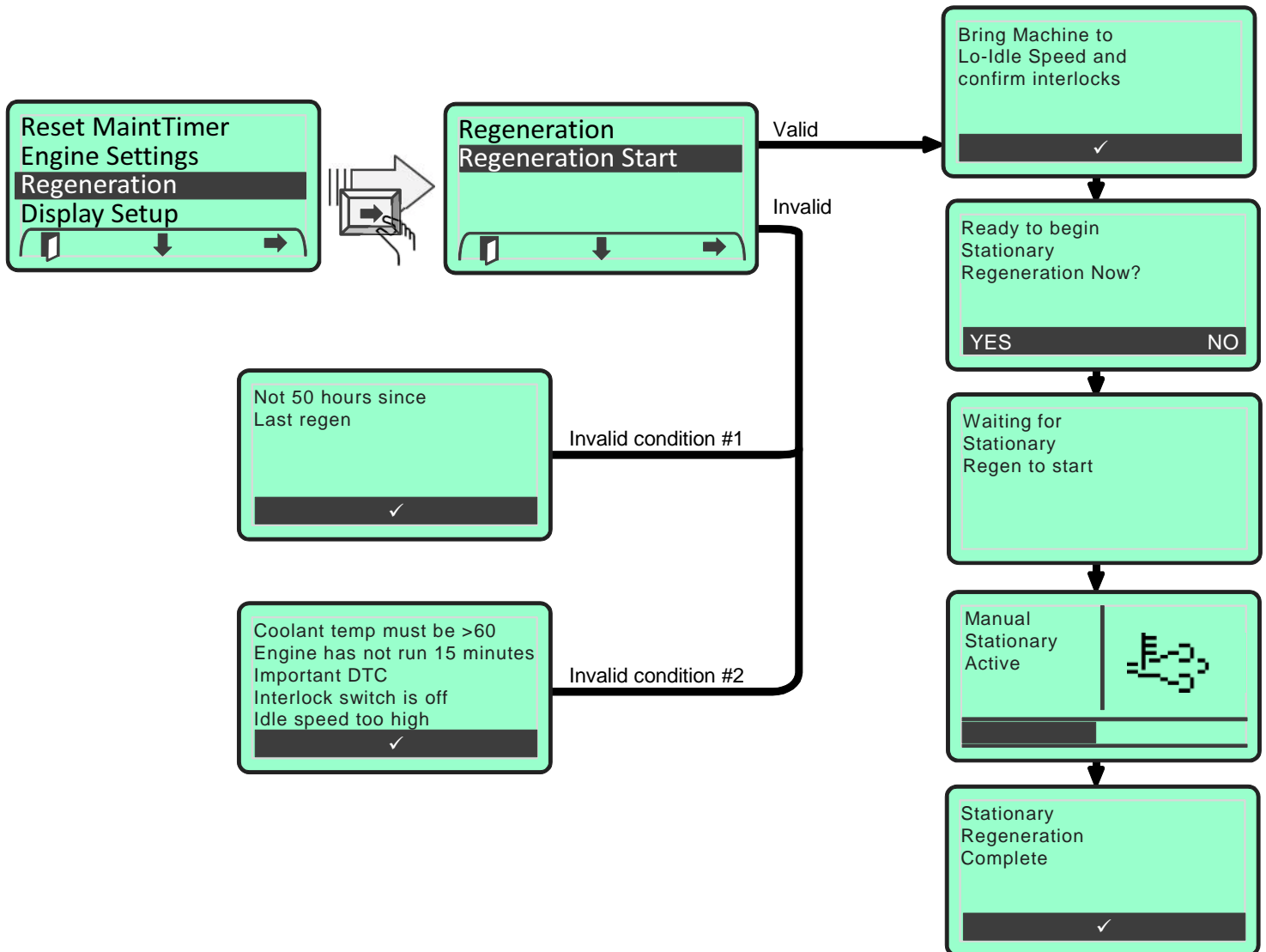
## Recovery Regeneration – con't



## Recovery Regeneration – con't



## Manual Regeneration Displays

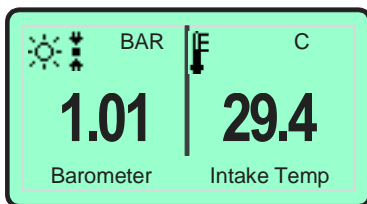
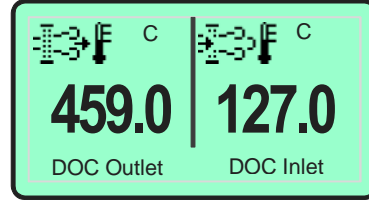
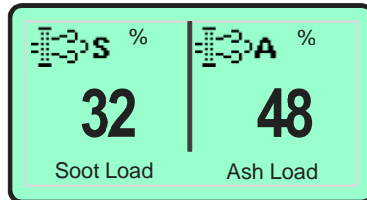
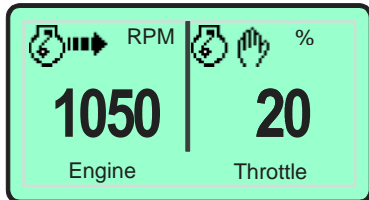
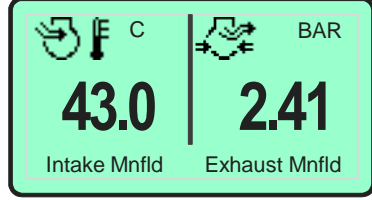
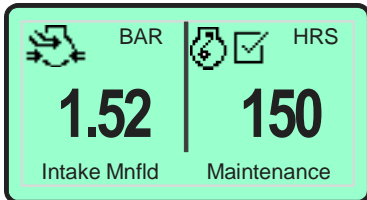
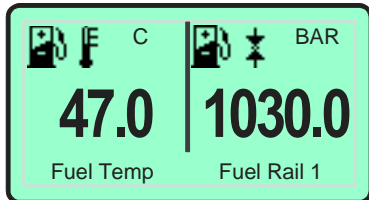
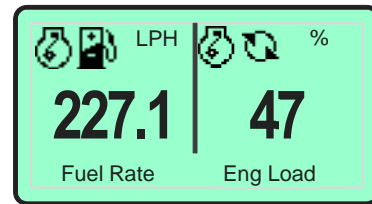
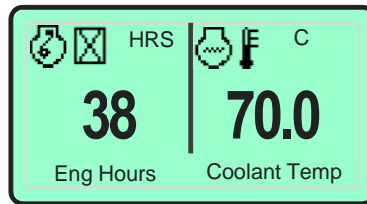
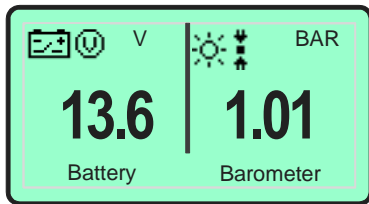




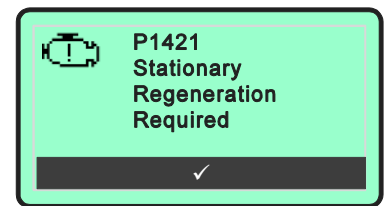
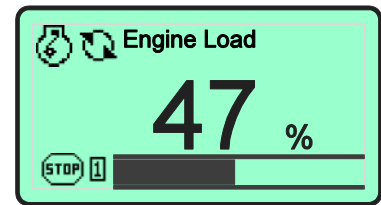
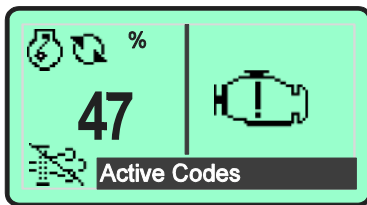
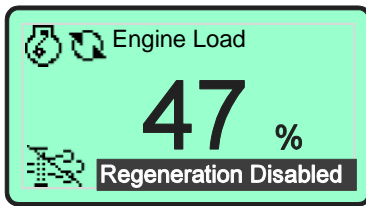
# Active Displays - Single



## Active Displays – Dual

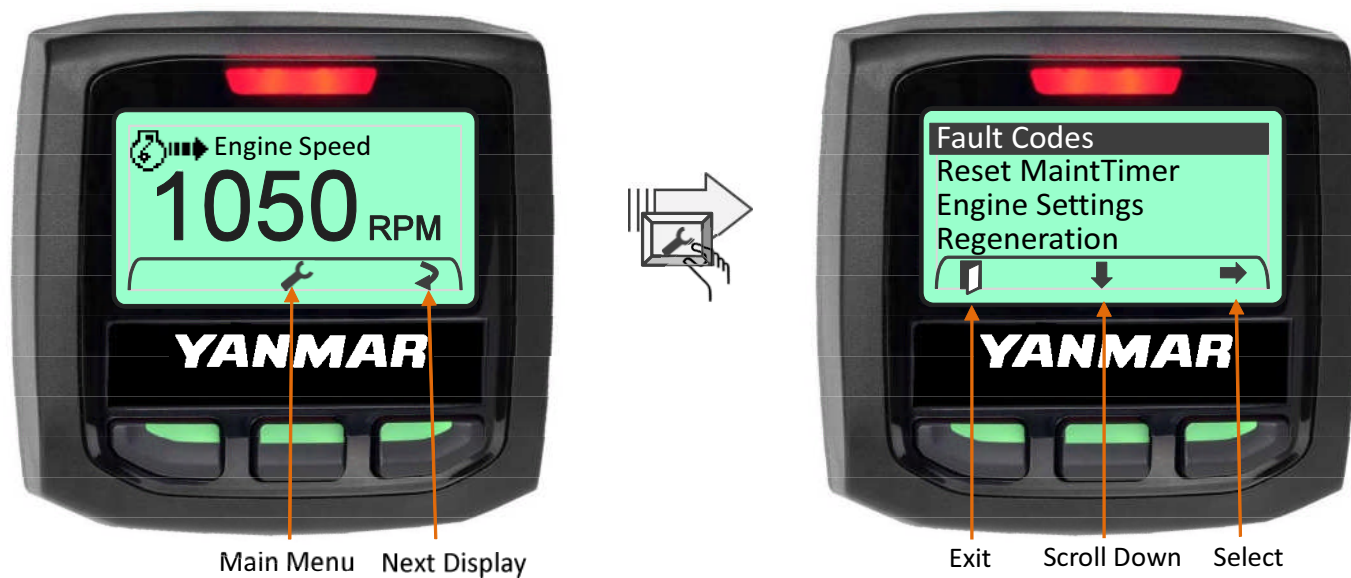


## Miscellaneous Displays

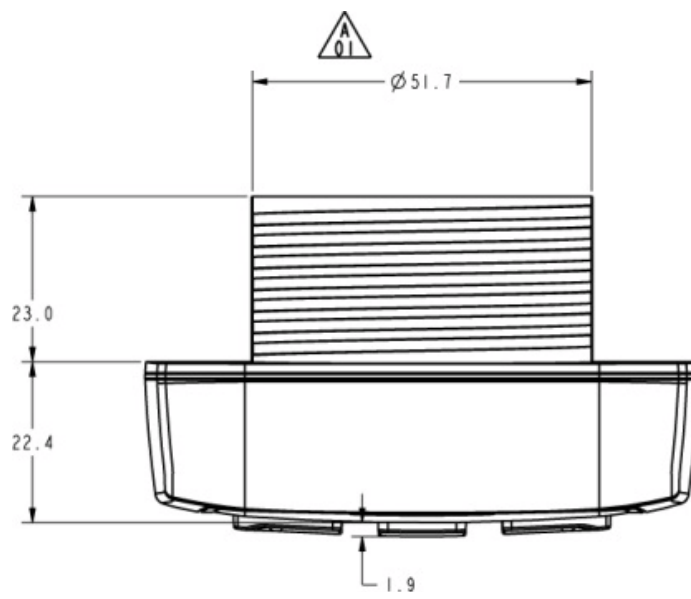




## Menu's – Main Menu









# SELF-PRIMING CENTRIFUGAL TRASH PUMP

Series: SH6-R/N-4TNV98C

Suction: 6"

Discharge: 6"

Spherical solids handling: 3"



## SIZE

6" x 6" NPT, 125 lbs., female flange.

## LIQUID TEMPERATURE

160°F (71°C)

## CASING

Cast iron ASTM A-48 class 30. Maximum operating pressure 79 psi (545 KPa).

## IMPELLER

**Design:** 2 vane, open.

**Material:** ductile iron no. 65-45-12.

## SHAFT

Alloy Steel no. 4140.

## SHAFT SLEEVE

316 series stainless steel.

## WEAR PLATE

Carbon steel no. 1015. Replaceable.

## COVER PLATE

Cast iron ASTM A-48 class 30, weight 37 lbs. Removable/adjustable.

## FLAP VALVE

Neoprene with steel reinforcing.

## BEARING HOUSING

Cast iron ASTM A-48 class 30.

## SEAL PLATE

Cast iron ASTM A-48 class 30.

## BEARING - PUMP END

Open single ball, radial load.

## BEARING - DRIVE END

Open double ball, thrust load.

## SEAL CAVITY AND BEARING LUBRICATION

SAE no. 30 non detergent oil, pump includes oil level sight gauges.

## GASKETS

Buna-N, compressed synthetic fibers, PTFE, vegetable fiber, cork and rubber.

## O-RINGS

Buna-N.

## HARDWARE

Standard plated steel.

## PAINT

Air dry enamel, water based.

## PRESSURE RELIEF VALVE

Brass.

## SEAL

**Design:** type 21, mechanical, oil lubricated, double floating, self aligning.

**Material:** silicon carbide rotating and stationary faces, fluorocarbon elastomers (Viton® or equivalent). 316 stainless steel cage and spring.

## ENGINE SPECIFICATIONS

**Model:** Yanmar 4TNV98C-NYEM

**Net intermittent power:** 67.6 HP

**Rated speed:** 2500 RPM

**EPA standard:** final tier 4

**Type:** 4 cylinder, 4 cycle, liquid cooled diesel engine

**Displacement:** 202.5 in<sup>3</sup>

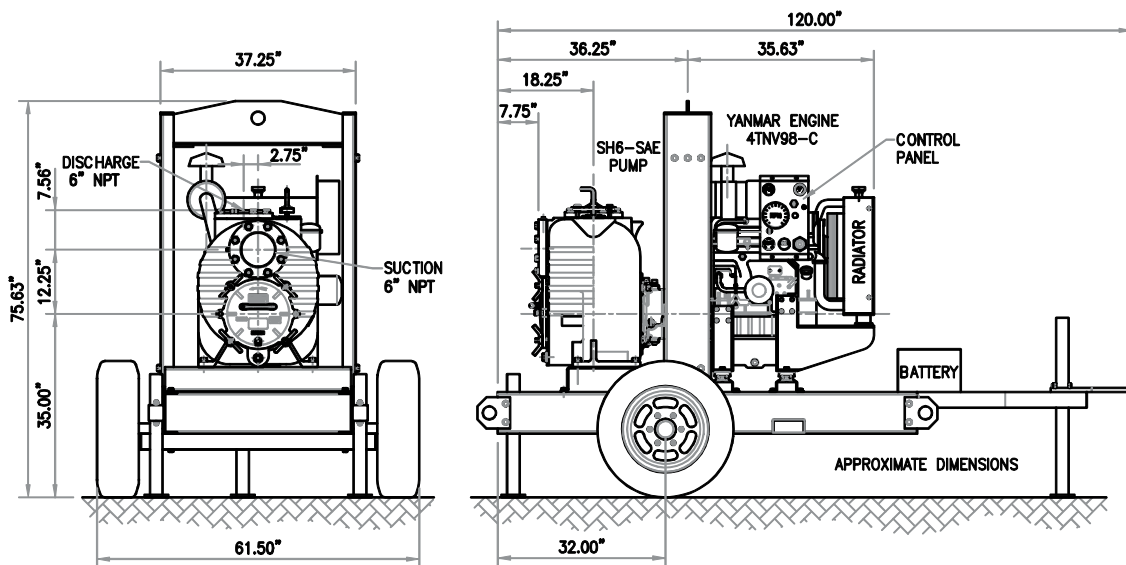
**Governor:** electronic control

**Lubrication:** 11.2 liters deep oil pan

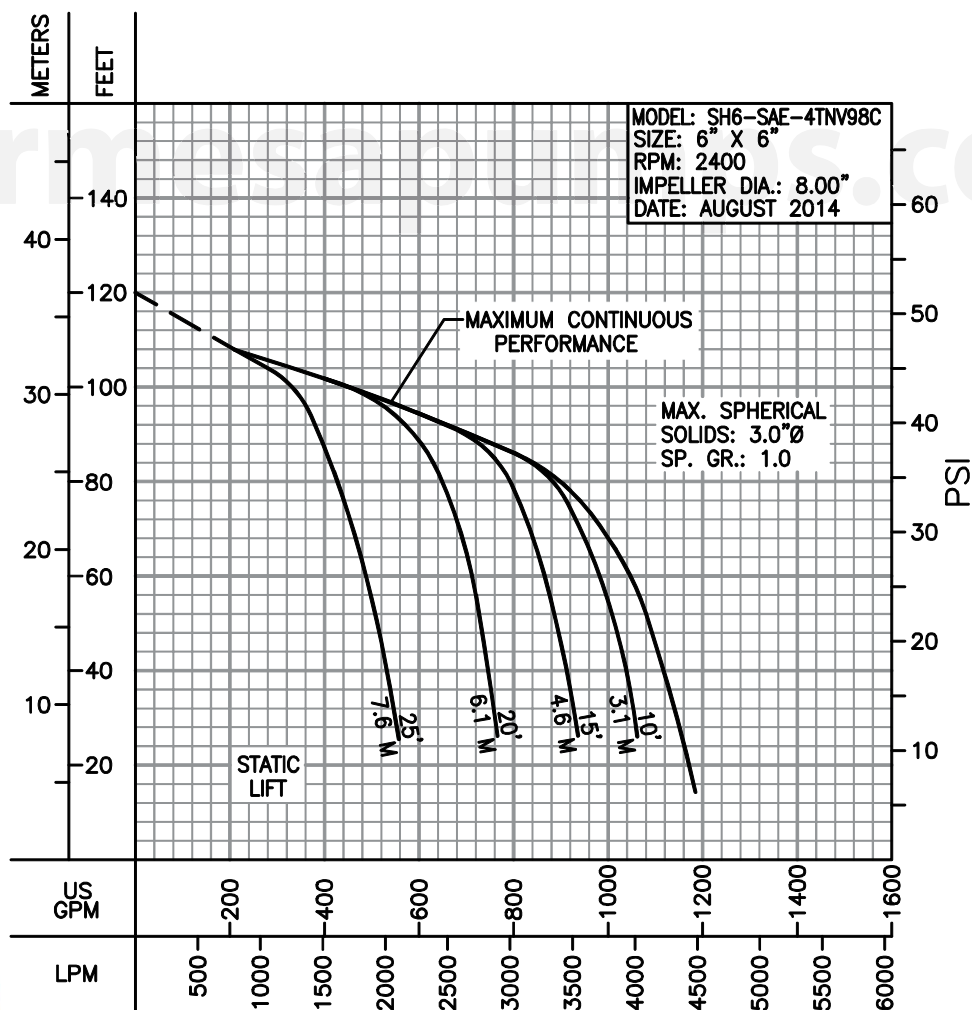
**Combustion type:** common rail direct injection

**Aspiration:** naturally aspirated

**Electrical system:** 12V, 55A alternator



**IMPORTANT! - Do not use in explosive atmosphere or for pumping volatile flammable liquids.**



# GEM Electric, LLC.

P. O. Box 78583  
Shreveport, LA 71137

[www.GEMelectricllc.com](http://www.GEMelectricllc.com)



## Estimate

Date	Estimate #
9/14/2017	3524

### Name / Address

JEFFERSON PARISH  
PURCHASING DEPT.  
PO BOX 9  
GRETN, LA 70054-0009

### Ship To

SEWERAGE WAREHOUSE - EB  
4901 JEFFERSON HWY  
SUITE C  
JEFFERSON, LA 70121  
MMORRIS@JEFFPARISH.NET

### Requested By

BID # 50-00120670

### Valid Until

10/14/2017

### Lead Time

4-6 WEEKS ARO

Qty	Description	Cost Each	Total
4	BARMESA 6" SELF-PRIMING CENTRIFUGAL TRASH PUMP PACKAGE - TRAILER MOUNTED  PUMP: 6" BARMESA SELF-PRIMER, 3" SOLIDS HANDLING IMPELLER: 8.00", 2-VANE, OPEN, DUCTILE IRON 65-45-12 SHAFT: ALLOY STEEL 4140 SEAL: TYPE 21 MECHANICAL, OIL LUBRICATED, DOUBLE FLOATING, SELF ALIGNING, SILICON CARBIDE ROTATING & STATIONARY FACES, FLUOROCARBON ELASTOMERS (VITON OR EQUIVALENT), 316SS CAGE AND SPRING  ENGINE: YANMAR 67.6HP EPA STANDARD: FINAL TIER 4 TYPE: 4 CYLINDER, 4 CYCLE, LIQUID COOLED DIESEL ENGINE GOVERNOR: ELECTRONIC CONTROL LUBRICATION: 11.2 LITERS DEEP OIL PAN COMBUSTION TYPE: COMMON RAIL DIRECT INJECTION ELECTRICAL SYSTEM: 12V, 55A ALTERNATOR LOW OIL SHUT DOWN FEATURE  TRAILER: INDUSTRIAL STEEL MODULAR TRAILER MOUNT FRAME ROAD TRAILER WITH DIAMOND PLATE FENDERS, TOW CROSSBAR, STABILIZING JACKS, LIGHT PACKAGE HITCH: PINTLE SUSPENSION: STRAIGHT AXLE, NO CUSHION FUEL CELL: SELF-BALANCING 30 GALLON TIRES: 15" OVER THE ROAD FUEL CELL: 32 GALLONS  CONTROLS: YANMAR  PARTS TO BE INCLUDED: LIFTING BAIL PROVISIONS, PROVISIONS FOR BATTERY, FUEL CAPS, MANUALS, FUEL TANK CLEANOUT AND DRAIN PORTS, TOP WINDING JACK STANDS, FUEL GAUGE, DIAGNOSTIC VACUUM GAUGE, SUCTION AND DISCHARGE FITTINGS (CAMLOCKS ONLY), SUCTION STRAINER	38,000.00	152,000.00
\$38,000.00 PER UNIT DELIVERED			
\$152,000.00 TOTAL			

WE LOOK FORWARD TO YOUR  
BUSINESS.

GEM PUMPS & ELECTRIC MOTORS  
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