

Notice of Bid

Stationary Generator Replacement

SPECIFICATION SUMMARY:

- Stationary emergency stand by Industrial gaseous engine driven generator
- 60 kW rating, wired for 120/208 VAC three phase, 60Hz
- 4.5 in line 4 cylinder LP vapor fuel system engine
- 1 TX series transfer switch, 200 Amp 3 pole 120/Vac 3 phase, 60 HZ, 2 wire start circuit and accessories

Recommended Specifications

“Specifications to meet or exceed the following:”

Industrial gaseous engine-driven generator, 4.5L in-line 4 cylinder engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- 60 kW rating, wired for 120/208 VAC three phase, 60 Hz
- Brushless Excitation
- MLCB, 80% rated thermal-magnetic
 - 200 Amp
- LP Vapor fuel system
- Standard Weather Protective Enclosure, Steel
 - Industrial Grey Baked-On Powder Coat Finish
- EPA Certified
- cETLus
- Power Zone Pro Digital Control Panel for Single Generators
 - Meets NFPA 99 and 110 requirements
 - Temp Range -40 to 70 degrees C
 - Humidity 2 – 95% (Non Condensing)
 - UL6200
 - C-ETL-US
 - CE
 - FCC
 - IEC801 (Radiated Emissions, Susceptibility, and Surge Immunity)
 - 4.3” Resistive Color Touchscreen
 - Built-in Wi-Fi, Bluetooth, and Webserver (via Power Zone Connectivity Server)
 - IP65 (front)
 - Auto/Manual/Off key switch, Alarm Indication, Not in Auto Indication, audible alarm, emergency stop switch
 - Dual Core Digital Microprocessor
 - RS485, Ethernet and CANbus ports
 - All engine sensors are 4-20ma for minimal interference
 - Sensors: Oil Pressure, optional Oil Temp, Coolant Temp and Level, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
 - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (optional), Low Water Level and Temp, Pre-

- high or High Engine Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overcrank, Over and Under Speed, Unit Not in Automatic
 - Programmable I/O
 - Built-in PLC for special applications
 - Engine function monitoring and control:
 - Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
 - Isochronous Governor
 - 0.25% digital frequency regulation with: soft-start ramping - adjustable, gain - adjustable, overshoot limit - adjustable
 - 3 Phase RMS Voltage Sensing
 - +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection
 - Service reminders, trending, fault history (alarm log)
 - I2T function for full generator protection
 - Selectable low-speed exercise
 - 2-wire start controls for any 2-wire transfer switch
- 21 Light Remote Annunciator, surface mount
- Remote Emergency Stop Switch, Break-Glass, shipped loose
- Block Heater, 1500 watt
- Std Heavy Duty Air Cleaner
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 120V GFCI and 240V Outlet
- Flex Fuel Hose, shipped loose
- Critical Grade Silencer
- Std set of 3 Manuals
- Standard 2-Year Limited Warranty
- SG0060GG264.5V18TBYYA

Quantity 1 - TRANSFER SWITCH - TX SERIES

- 200 Amp, 3 pole, 120/208 VAC three phase, 60 Hz, with 2-Wire Start Circuit
 - Utility Voltage Sensing Controls:
 - Adjustable Drop-out and Pick-up
 - Adjustable Utility Interrupt Delay
 - Adjustable Logic Controls:
 - Minimum Standby Voltage
 - Minimum Standby Frequency
 - Engine Warmup
 - Return to Utility
 - Engine Cooldown
 - Transfer on Exercise
- Double Set of Form C Auxiliary Contacts
- UL Listed 1008 by ETL
- NEMA 1 Enclosure
- 3 Owner's Manuals
- 22KA Contactor Withstand and Closing Rating
- In Phase Only Transfer
- Standard two year basic warranty
- TX611NN0200G3AN

Additional Bid Requirements to be provided:

- Prints, drawings, and operation manuals
- Battery, Oil, and Antifreeze
- Freight Allowed-FOB: Factory, unloaded by FD Contractor of Choice
- One Day on site, start up, test, and training after Installation

End.....