

60 KW STANDBY GENERATOR SPECIFICATIONS:

EQUIPMENT PROPOSED:

Quantity 1 – Industrial diesel engine driven generator, turbocharged, 4 cylinder 4.5L engine, consisting of the following features and accessories.

Stationary Emergency-Standby rated.

60 KW Rating, synchronous alternator, wired for 120/208 VAC 3 Phase, 60 HZ.

Permanent magnet excitation.

0.25% voltage regulation.

H-100 Control Panel.

NFTA 110 Requirements.

Temp Range -40 to 70 degrees C

Digital microprocessor.

Two 4 line x 20 displays, full system status

3 phase sensing, +/- 0.25% digital voltage regulation

RS232, RS485 and Canbus remote ports

Waterproof connections

All engine sensors are 4-20 ma for minimal interference

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% frequency regulation

Service reminders, trending, fault history (alarm log)

12T function for full generator protection

Selectable low-speed exercise

Automatic transfer switch function monitoring and control

2-wire start controls for any 2-wire transfer switch

Electronic governor Frequency regulation, isochronous Steady state regulation +/- 0.25%

250A UL mainline circuit breaker

Sound attenuated, Level 1 Acoustic enclosure

Industrial Grey Enclosure, powder paint finish

Critical muffler – installed

110AH, GRP 31, 925 CCA battery

w/rack installed

10A Battery charger-installed

Battery charging alternator

Battery cables

Battery tray

Fuel shut-off solenoid valve

Solenoid activated starter motor

Fuel filter

Air cleaner and oil filter with internal bypass

Oil and antifreeze

Oil and radiator drain extensions

Vibration isolators between engine/alternator and base frame

Standard flex exhaust
Block heater 1500W
36" 305 Gal DW Basetank
STD Fuel Level Sender
w/fuel level indicating gauge
UL approved
Emergency Vent
Air Filter Restriction Indicator
Standard set of 3 manuals
Listed to standard UL2200
STD 2-year limited warranty
EPA Certified Engine
Standard Electronic Governor

Quantity 1 - One automatic transfer switch consisting of the following typecode and components:
Rated at 400 amps, 3 Pole construction Operating at 60 HZ, 208 Volts 3 phase, with 2- wire start
Circuit.
Utility voltage sensing controls: *Drop-out and pick-up * Utility Interrupt delay
Adjustable logic controls * Minimum standby voltage * Minimum standby frequency* Engine
Warm up* In phase monitor*
Time delay neutral * Return to utility * Engine cool down * Transfer on exercise
Auto/normal/standby
Single set of auxiliary contacts
NEMA 3R Enclosure
Standard set of 3 manuals
UL 1008 listed
CSA Certified
Standard 2 Year warranty

Project Management Services

Start-up, one up to 8 hour day including travel
Training of owners personnel at time of start up
Factory load bank testing
Submittal drawings
Dimensional drawings, Electrical drawings, Product specifications
Production testing
Technical assistance
Operation and maintenance manuals for engine, generator