

Generac Industrial diesel engine driven generator, turbocharged, air-cooled 6 cylinder 16.0L engine, consisting of the following features and accessories:

- 500 kW Rating. synchronous alternator, wired for 208/480 VAC 3 Phase. 60 HZ
- Permanent Magnet Excitation
- Power Manager Digital Control Platform configured for Generac Modular Power System's Paralleling Controller (PM-PC)
  - o 32 bit microprocessor structured with: real-time clock, 47 Inputs, 32 outputs, 2 - RS232 ports, 2 • RS485 ports, RJ45 modem port, CANbus port
  - o +/-0.25% digital voltage regulator with: 3 phase RMS sensing. soft-start voltage ramping • adjustable, loss of sensing protection • adjustable, negative power hit - adjustable, Hi/Lo voltage limit • adjustable. V/F slope and gain - adjustable. fault protection. encapsulated and sealed
  - o 0.25% digital frequency regulation with: soft-start ramping - adjustable, gain - adjustable, overshoot limit - adjustable
  - o On-board PIC for customer configuration with: 24 digital Inputs. 43 analog Inputs, 24 digital open collector outputs • 30 vdc, 16 timers, 16 counters
  - o Programmable touch screen engine control and monitoring module with: Auto/Manual/Off key switch. Alarm LED. Not In Auto LED. audible alarm, emergency stop switch, 30-page readout indicating: Oil Pressure and optional Oil Temp, Coolant Temp and Level, Fuel Level (where applicable), Engine Speed. DC Battery Voltage, Run-time Hours. Generator Voltage, Amps, Frequency, Power, Power Factor, Alarm High Frequency, Pre-Alarm 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 Fuel Level (where applicable), Overcrank, Over and Under Speed, Unit Not in Automatic
- 1000 amp plant-mounted paralleling contactor
- Electronic governor • isochronous Steady state regulation +/-0.25%
- BOOA MLCB, 80% thermal-mag
- Weather protective enclosure with fixed louvers
  - o Industrial Grey enclosure, powder paint finish
  - o Critical single muffler
  - o ship loose
- 225AH, 1155 CCA, 80 battery
  - o shipped loose, dry
- 10AMP battery charger-Installed
- Battery charging alternator
- Battery cables
- Battery tray
- Fuel shut-off solenoid valve
- Solenoid activated starter motor
- Fuel filter and water separator
- Air cleaner and oil filter with Internal bypass
- Oil and antifreeze
- Oil and radiator drain extensions
- Standard flex exhaust
- Block heater 4000W 240V
  - o 2X2000W
- 32.793 Gal OW base tank
  - o Swing arm fuel level sender
  - o UL approved
  - o Emergency vent
- Standard set of 3 manuals
- UL Listed for USA & Canada
- STO Spring vibration isolators
- STO 2-year limited warranty
- STO Electronic Governor
- STO fuel hookup kit
- EPA Certified Engine
- STO Level One guarding