Radnor Leasing Corporation

www.radnorleasing.com • 610-527-9800

Cummins/Onan Generator Specifications

ENGINE GENERATOR SYSTEM

Cummins Onan Diesel Powered Standby Generating System, 1250 KW/1588KVA, Continuous Standby, 277/480 VAC, 3 Phase, 60 Hz, 1800 RPM, to include Make/Model, #1200DFLCE-Cylinder, V-Type, Serial Number CO30476506.

DRY EXHAUST MANIFOLD

Turbocharged aftercooled
Fuel Filters
Dry Element Air Cleaners
Fuel Transfer Pump, Fuel Lift 6 Ft.
Automatic Electric Fuel Shutoff
Direct Injection System
Revolving Field, Brushless Alternator
Permanent Magnet Generator
PMG Regulator with Elec. Overspeed
Electronic EFC Isochronous Governor
37 Amp Battery Charge Alternator
24 VDC Starting System
4 – 12 VDC, 1150 CCA Exide Starting Batteries
Battery Cables
Battery Tray
Engine Coolant Heater
Critical Exhaust Silencer
Flexible Exhaust Connector
Spring Vibration Isolators (Between Frame and Pad)
2000 Amp Mainline Circuit Breaker

ENGINE GENERATOR SYSTEM CONTROLS

"PowerCommand Control" Vibration Isolataed Mircroprocessor-Based Control of All Engine and Alternator Functions including the following:

Standard Control Description
Remote Starting, 24 Volt, 2 Wire (or Communications Link)
Sealed Front Panel, Gasketed Door
Panel Back-Lighting
Cycle Cranking Control, with Selectable Number of Cycles,
"Cranking" and "Off" Time Periods
Idle Mode Control
Self Diagnostics and Circuit Board Diagnostic LED's
Separate Control Interconnection Box

- Selector Switches:
  - Run-Off-Auto Switch
  - Emergency Stop Switch
  - Reset Switch
  - Menu Switch
  - Voltmeter/Ammeter Phase Selector Switch with
    - Phase and Scale Indicating Lamps
  - Panel Lights Switch, with 10 Minute Auto Switch Off
- Analog Meters:
  - Analog % of Current Meter (Amps)
  - Analog % of Load Meter (KW)
  - Analog AC Frequency Meter
  - Analog AC Voltage Meter
- Digital Display Panel including the following:
  - AC Alternator Data:
    - AC Voltage Line to Line
    - AC Voltage Line to Neutral
    - AC Current by Phase
    - AC Kilowatts
    - AC Kilowatt Hours
    - AC Power Factor
- Engine Data:
  - Engine Oil Pressure
  - Engine Coolant Temperature
  - Engine Oil Temperature
  - Engine RPM
  - DC Battery Voltage
  - Engine Starts Counter
  - Engine Running Hours
- Shutdown Functions (Failure)
  - Engine Shutdowns:
    - Low Oil Pressure Fault
    - Low Coolant Levels Fault
    - High Temperature Fault
    - Overspeed Fault
    - Failure to Crank Fault
    - Overcrank Fault
  - AC Alternator Shutdowns:
    - AC Undervoltage Fault
    - AC Overvoltage Fault
    - Underfrequency Fault
    - Alternator Over Current
    - Alternator Short Circuit Fault
    - Magnetic Pickup Failure
    - Emergency Stop Fault

Warning Functions (Pre-Alarm):
- Low Oil Pressure
- High Engine Temperature
- Oil Pressure Sender Failure
- Temperature Sender Failure
- Alternator Over Current
- Low Engine Temperature
- Engine Overload, with Load Shed Contacts
- Low Fuel Level
- Low Battery Voltage
- High Battery Voltage
- Weak Battery
- Up to Four Customer Inputs

Remote Annuciator Panel
Network Annunciator

UL508 Listed, Meets Requirements of NFPA110 for Level 1 Systems
Meets the Requirements of Mil Std 461C, part 9;
IEC Std 801.2, 801.3, 801.5 for Susceptibility,
Radiated, and Conducted Emissions

ALUMINUM SOUND ATTENUATED SKIDBASE HOUSING

Aluminum Sound Attenuated Skidbase Housing with U.L. Listed Doublewall tank:

SIZE:	10’0” wide, 23’ 0” long, 12’5” high.
CONSTRUCTION:	Electric are welded & bolted.
ROOF SECTION:	6” – 8” TAPERED WITH .125” aluminum crossmembers roof panels.
WALL SECTION:	4” deep fabricated .125 aluminum panels with fiberglass insulation & perforated galvanized liner.
BASE:	16” HIGH 3000 gallon UL Listed doublewall tankwith conduit stub-up area, dry alarm contacts for low fuel & leak detection, mechanical guage, lockable fill ‘n spill box with visual alarm, drain, supply & return ports, spare port, & vents for the main tank, rupture basin, & emergency relief.
LOUVERS:	Aluminum motorized intake and exhaust louvers with 48” deep sound attenuators & upduct with birdscreen.
DOORS:	14 guage with rainrail moldings, recessed “D” handles, weatherstripping, & weld-on hinges making them removable.
PAINT:	All seams are sealed, metal prep, primed two coats, and finish painted two coats of acrylic paint.