







100Kva JOHN DEERE Model JD100N

-  PRIME POWER 100kVA
-  VOLTAGE 400/231 V @ 50 Hz
-  AMPERAGE 144A per phase @ 0.8 PF Prime
-  FUEL TANK 640 Ltrs

SPECIFICATIONS

PRIME POWER	100KVA
STANDBY POWER	110KVA
FUEL CONSUMPTION	26 LTRS/HR @ 100% LOAD
DIMENSIONS IN MM: (L/W/H)	OPEN BUILD -3200/1300/1840 SOUNDPROOF – 3200/1150/1716
GENERATOR HOUSING	1.6 TO 2.0MM MILD STEEL, ZINC PHOSPHATE CLEANING PROCESS, POWDER COATED

FEATURES

- Set-Mounted, Integrated AMF/ATS (AMF Configured Unit only)
- Deep Sea 7320 AMF PLC (AMF ONLY)
- Deep Sea Battery Charger 24V
- Integrated Base Fuel Tank
- Emergency Stop Functionality

OPTIONS

- CONTROL PANEL: AMF, Base Load/Keystart or Synchronised
- Water Jacket Heater standard on all units
- 3CR12 Residential Silencer
- Modular, Compact Design
- Powder Coated Generator Housing (Sound Attenuated Unit)
- Structural manufacturing, all design and assembly done in-house
- BUILD CONFIGURATION: Open Build, Weather Proof Build, Sound Attenuated Build or Super Silent Build

ENGINE INFORMATION

Model CD6068TF158



SPECIFICATIONS

NUMBER OF CYLINDERS	4
CYLINDER ARRANGEMENT	VERTICAL IN-LINE
CYCLE	4 STROKE
ASPIRATION	TURBO CHARGED
COMBUSTION SYSTEM	DIRECT INJECTION
DISPLACEMENT	6.8 LITRES
COOLING SYSTEM	WATER COOLED
TOTAL COOLANT CAPACITY	30 LITRES
TOTAL LUBRICATION CAPACITY	35 LITRES

ALTERNATOR INFORMATION

Model LSAP 44.3C



SPECIFICATIONS

MODEL	LSAP 44.3C
KVA PRIME RATING	100
SPEED & FREQUENCY VOLTAGE	1500RPM 50HZ 400/231 V
INSULATION	H/H
PROTECTION	IP 23
EXCITATION	SHUNT EXCITATION SYSTEM
VOLTAGE REGULATION	ANALOGUE TAVR 20 + 0.8%
EFFICIENCY 25% LOAD @0.8PF	86.9
EFFICIENCY 50% LOAD @0.8PF	90.7
EFFICIENCY 75% LOAD @0.8PF	90.5
EFFICIENCY 100% LOAD @0.8PF	90.1
TERMINAL LEADS	6



GENERATOR CONTROL PANEL

Model DSE 7320

FEATURES

DEEP SEA AMF 7320 CONTROL MODULE:

- Full AMF - Auto Start Controller
- Intuitive Mains (Utility) Supply Monitoring
- Integral ATS Control & Monitoring
- Integral Engine / Alternator Management & Protection
- Optional Remote Monitoring & Control Via WEBNET or GSM Modem
- Enhanced flexibility and True Customisation through integral PLC Editor.
- Real Time Clock Provides Accurate Event Logging
- Advanced Engine Management Via CANBUS on Electronic Engines

ON BOARD SYSTEMS ARE MONITORED AND FAULT CONDITIONS ARE DISPLAYED AS WARNING ALARMS, ELECTRICAL TRIPS AND SHUTDOWN ALARMS, SOME OF WHICH INCLUDE:

ENGINE PROTECTION:

- Low Oil Pressure
- High & Low Engine Temp
- Low Fuel Level
- High & Low Battery Voltage
- Maintenance Alarm

ALTERNATOR PROTECTION:

- Under/Over Frequency
- Over Current / Short Circuit
- Under / Over Voltage
- Phase Rotation Reversal
- Phase Loss

CHANGEOVER - ATS SYSTEM:

- Kutai of ABB 3 pole Fixed ACB's Electrically & Mechanically Interlocked Mains In / Generator Change Over Configuration
- Breakers Fitted with Ekip or Ekip touch Trip Units for Integral Short Circuit and Overcurrent Protector

AUXILLARY/STATIONARY FEATURES:

- On board 12Vdc Regulated Battery Charger
- Water Jacket Heater
- Optional Manual / Automatic Refueling Systems Available