

GENERATOR MODEL: P 30

| | | |
|---------------------------|-----------------------|---------|
| Frequency/Speed - Voltage | 50HZ/1500RPM-230/400V | |
| Prime Power | 30 KVA | 24 KW |
| Standby Power | 33 KVA | 24.4 KW |



Features:

- **Warranty: 1 year or 1000 hours.**
- **Low fuel shutdown safety.**
- **24/7 after sales support.**
- **Generator made by OEM Perkins-UK**
- **Perkins as the world's leading power Power manufacturer science 1932.**
- **Advance digital control system, Long service life, Easy to Operate, Low Fuel consumption, Anti vibrating Isolators.**
- **Automatic start (optional) ecofriendly.**
- **Easy and economical availability of Spares.**



Engine

Perkins-UK, Model 1103A-33G, in accordance to ISO3046, ISO 8528, DIN 6271



Alternator

Leroy Somer-France / Meccalte-UK Stamford UK Complying to the following Norms:CEE/CE12/3/EN60034-1 / IEC34-1/VE



Control Panel

Deep Sea DSE-4520, Made in UK, Complying to the norms: Comply to the norms BS EN 61000, BS EN 60950, BS EN 60068



Fuel Tank

The overall fuel tank capacity of 30 KVA Perkins 80 LTR.



Dimensions

L x W x H = 66"*24"*53"

PERKINS ENGINE TECHNICAL DATA

MODEL: 1103A-33G



STRUCTURE

| | |
|----------------------------|---|
| Number Of Cylinders | 3 |
| Engine Build | In Line |
| Bore | 105 mm |
| Stroke | 127 mm |
| Displacement | 3.3 L |
| Compression Ratio | 19.5:1 |
| Aspiration | Natural |
| Cooling | Water Cooled |
| Fuel Tank | Built in fuel tank for at least 10 hours operation @ full load |
| Fuel System | 75 % Direct Injection |
| Fuel Recommended | N° Diesel |
| | 1500 RPM |



FUEL

| | |
|----------------------------------|------------|
| Delivery Flow Rate (l/hr) | |
| Fuel Consumption | |
| 100% Load (g/kwh-L/hr) | 7.1 |
| 75% Load (g/kwh-L/hr) | 5.4 |
| 50% Load (g/kwh-L/hr) | 3.9 |



COOLING SYSTEM

| | |
|---------------------------------|------------------|
| Engine Coolant Capacity | 10.2 L |
| Air Flow Radiator | 883.3 l/s |
| Radiator with 50 degree ambient | |
| Cooling Package & Air Cleaner | |
| Thermostatically-Cntroled | |



AIR INLET

| | |
|---|--------------------|
| Air Intake Engine (Clean Filter/Dirty) | 3 / 6.5 KPa |
|---|--------------------|



EXHAUST SYSTEM

| | |
|------------------------------|------------------|
| Exhaust Gas Tempreature | 500°C |
| Exhaust Gas Flow (Prime) | 158.3 l/s |
| Maximum Exhaust System Back | |
| Pressure | 8 Kpa |
| Stainless Steel Exhaust Flex | |



**DC SYSTEM
STARTING/CHARGING**



**HEAT REJECTION
(PRIME)**

LUBE SYSTEM

GOVERNOR



STRUCTURE

| | |
|------------------------------------|-------------|
| Cranking Battery Voltage | 12 V |
| Battery Charging Alternator | 65 A |
| DC Voltage Monitoring Via | |

| | |
|--------------------------------------|--------------|
| Radiated Heat to Ambient | 8 KW |
| Heat Rejection to Coolant | 16 KW |
| Heat Rejection to Exhaust | 22 KW |
| Heat Rejection to intercooler | 0 |
| | |

Lubricating Capacity: 7.9 LTRS

| |
|-------------------|
| Mechanical |
|-------------------|

ALTERNATOR TECHNICAL DATA



| | |
|-------------------------------|--|
| Insulation System | Class H |
| Winding Pitch | 2/3 to Minimize Harmonics effects |
| Number of Poles | 4 |
| Number of Bearings | Single Bearing |
| RPM | 1500 RPM |
| Power Factor | 0.8/1 |
| Regulation | ± 1% |
| Frequency | 50 Hz |
| Voltage Range | 380-415 / 220-240 |
| IP Rating (Protection) | Ip23 |

Synchronous, 3/1 phase, Brushless & Self Excited

NOTE: Alternator Brand & Model Subject to Availability.

CONTROL MODULE

DEAP SEA MODEL: DSE 4520



INDICATIONS

- ☑ Operating Hours
- ☑ 3 Phase Generator Voltage Sensing & Monitoring
- ☑ Current Protection & Monitoring
- ☑ Power Measurement (kW, kVA, kVA_r, kWh, kVAh, kVA_rh, pf)
- ☑ Frequency Monitoring (Hz)
- ☑ Oil Pressure/Coolant Temperature
- ☑ Battery Voltage Monitoring (DC)
- ☑ Alarm Acknowledge



CONTROL

- ☑ Engine Cool Down Timer
- ☑ Emergency Stop Push button/ Alarm Acknowledge
- ☑ Warm-up Timer
- ☑ Load Switching Timer
- ☑ Engine Cycle Crank



WARNING & SHUTDOWN ALARMS

- ☑ Generator Over/Under Voltage & Frequency
- ☑ Crank Disconnect (Failure to Start)
- ☑ Under/Over Speed
- ☑ Over Current
- ☑ Low Oil Pressure
- ☑ High Water Temperature
- ☑ Low Fuel Level
- ☑ Low Water Level



FEATURES

- ☑ User Friendly
- ☑ Compatible With CAN Engines
- ☑ License Free Software
- ☑ Largest Backlit Icon Display In Its Class
- ☑ Fully Configured Via The Fascia Or Pc Using Usb
- ☑ Efficient Power Save Mode

AUTHORIZED DEALER: