

GENERATOR MODEL: P45

Frequency/Speed - Voltage	50HZ / 1500RPM - 230/400V	
Prime Power	45 KVA	36 KW
Standby Power	50 KVA	40KW

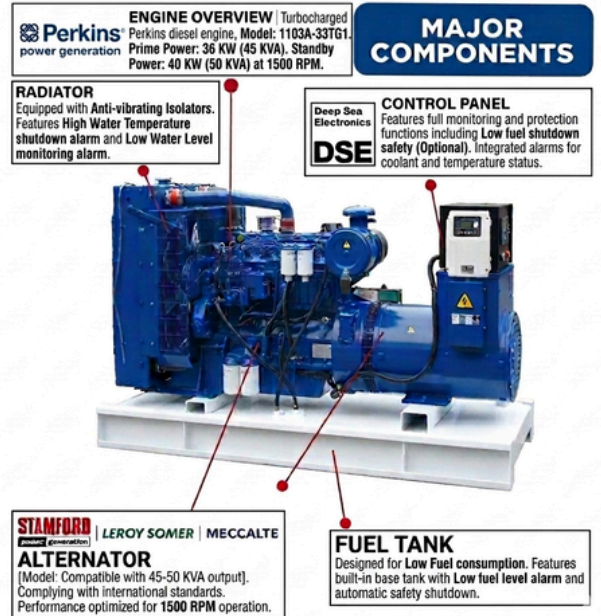
FEATURES:

- **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 manufacturer since 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.**



Dimensions

Size: L x W x H = 73" * 29" * 54"



Engine

Perkins-UK, Model 1103A-33TG1, 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/VDE



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 45 KVA Perkins is 120 LTR.

PERKINS ENGINE TECHNICAL DATA

MODEL: 1103A-33TG1

SPECIFICATION	DETAILS
Number Of Cylinders	3
Engine Build	In Line
Bore	105 mm
Stroke	127 mm
Displacement	3.3 L
Compression Ratio	17.25:1
Aspiration	Turbocharged
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
Delivery Flow Rate (l/hr)	
Fuel Consumption	
100% Load (g/kwh-L/hr)	10.7
75% Load (g/kwh-L/hr)	8.2
50% Load (g/kwh-L/hr)	5.7
Engine Coolant Capacity	10.2 L
Air Flow Radiator	883.3 l/s
Radiator with 50 degree ambient	-

PERKINS ENGINE TECHNICAL DATA

SPECIFICATION	DETAILS
Cooling Package & Air Cleaner	-
Thermostatically-Cntroled	-
Air Intake Engine (Clean Filter/Dirty)	3 / 6.5 KPa
Exhaust Gas Tempreature	492°C
Exhaust Gas Flow (Prime)	119.6 l/s
Pressure	10 Kpa
Stainless Steel Exhaust Flex	-
Cranking Battery Voltage	12 V
Battery Charging Alternator	65 A
DC Vlotage Monitoring Via	-
Radiated Heat to Ambient	7 KW
Heat Rejection to Coolant	26 KW
Heat Rejection to Exhaust	30 KW
Heat Rejection to intercooler	0
Lubricating Capacity	7.9 LTRS
Governor	Mechanical

ALTERNATOR TECHNICAL DATA

PARAMETER	SPECIFICATION
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

CONTROL MODULE

DEAP SEA MODEL: DSE 4520



INDICATORS

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



CONTROLS

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



WARNING & SHUTDOWN ALARM

- 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