







GENERATOR MODEL P45

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



Features

Engine

Perkins, 1103A-33TG1, Made in UK, in accordance to ISO3046, ISO8528, DIN6271

Alternator

Leroy Somer-France / Meccalte-Uk Complying to the following norms:CEE/CEI2-3/ EN60034-1/ IEC34-1/ VDE/ BS/CAN/ CSA

Control Panel

Deep Sea, DSE-6020, Made In UK, complying to the norms: comply to the norms BS EN 61000, BS EN 60950, BS EN 60068

Base Frame

Black steel with Anti-vibration pads, Built in fuel tank

Sound Proof Canopy

Modular SPC, Powder Coated, Extremely Durable, Designed to Reduce Sound Level with Maximum Service Accessibility and Minimum Foot Prints

🕠 Countrywide Support

Enpower Products are distributed through its dealer Network For more information you may Contact us.

Definition

🖈 Standby Power

Standby Power: Continuos running at variable load for duration of an emergency. No overload is permitted on this ratings.

Prime Power

Prime Power: Continuos running at variable load for unlimited periods with 10 % overload 1 hour in any 12 hours Period.

PERKINS ENGINE TECHNICAL DATA

Model: 1103A-33TG1





FUEL







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		
	1500 RPM	1	800 RPM
Fuel Tank	Built in fuel tank for atle 10 hours operation @ fu load	II atleast 10	
Fuel System Fuel Recommended	Direct injection N°2 Diesel		
	1500 RMP	1	800 RPM
Delivery Flow Rate (Ir/hr)			
Fuel Consumption			
100% Load (g/kWh-L/hr)	10.7		TBA
75% Load (g/kWh-L/hr)	8.2		TBA
50% Load (g/kWh-L/hr)	5.7		TBA
Engine Coolant Capacity	10.2 L		
Air Flow-Radiator	883.3 l/s		TBA
Radiator with 50 degree			
Cooling Package & Air Cleaner			
Thermostatically-controled			
Air Intake Engine (Clean Filter/Dirty)		5/8 KPa	
Exhaust Gas Temperature	492°C	ТВА	
Exhaust Gas Flow (Prime)	119.6 l/s	ТВА	
Maximum Exhaust System Back			
Pressure	10 kPa	ТВ	A

Stainless Steel exhaust flex-



DC SYSTEM STARTING/CHARGING

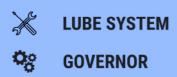
Cranking Battery Voltage 12 V

Battery Charging Alternator 65 A

Dc Voltage Monitoring via

Heat Rejection(prime)

Radiated Heat to Ambient	7 KW	TBA
Heat Rejection to Coolant	26 KW	TBA
Heat Rejection to Exhaust	30 KW	TBA
Heat Rejection to intercooler	0	TBA



7.9 L Lubricating System Oil Capacity

Electronic

ALTERNATOR TECHNICAL DATA









STRUCTURE

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
Regulation	<u>+</u> 1%
Frequency	50 Hz
Voltage Range	380-415 / 220-240
IP Rating (Protection)	lp23

Synchronous, 3 phase, Brushless & Self Excited

CONTROL MODULE

Deep Sea Model: DSE 6020



INDICATIONS



CONTROL



WARNING & SHUTDOWN ALARMS



FEATURES

- Operating Hours
- 3 Phase Generator Voltage Sensing & Monitoring
- Power Measurement (kW, kVA, kVAr, kWh, kVAh, kVArh, pf)

- ⊗ Battery Voltage Monitoring (DC)
- ⊗ Alarm Acknowledge
- ⊗ Engine Cool Down Timer
- ⊗ Warm-up Timer
- Load Switching Timer

- Crank Disconnect (Failure to Start)

- High Water Temperature

- 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

UAN: 03-111-555-105 | Phone: +92 321-3892100 | +92 332-1319962

Email: contact@ridgeandco.com