







GENERATOR MODEL P13

Frequency/ Speed - Voltage	50HZ/1500 RPM-230/400V	
Prime Power	13 KVA	10.4 KW
Standby Power	14.3 KVA	11.44 KW



Features

Engine

Perkins, 403D-15G, Made in UK, in accordance to ISO3046, ISO8528, DIN6271



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-4520, 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.

Due to continuous product development, we reserve the right to change specifications at any time without prior notice.

PERKINS ENGINE TECHNICAL DATA

Model: 403D-15G





FUEL







Stainless Steel exhaust flex-

Number of Cylinders	3			
Engine Build	In line	In line		
Bore	84 mm			
Stroke	90 mm			
Displacement	1.496 L			
Compression Ratio	22.5/1			
Aspiration	Natural			
Cooling	Water Cooled			
	1500 RPM		1800 RPM	
Fuel Tank	Built in fuel tank for 10 hours operation load		Built in fuel tank for atleast 10 hours operation @ full load	
Fuel System Fuel Recommended		Direct injection N°2 Diesel		
	1500 RMP		1800 RPM	
Delivery Flow Rate (lr/hr)				
Fuel Consumption				
100% Load (g/kWh-L/hr)	3.7		TBA	
75% Load (g/kWh-L/hr)	2.8		TBA	
50% Load (g/kWh-L/hr)	2		TBA	
Engine Coolant Capacity	6L			
Air Flow-Radiator	420 l/s		TBA	
Radiator with 50 degree ambi	ent			
Cooling Package & Air Cleane	r			
Thermostatically-controled				
Air Intake Engine (Clean Filte	er/Dirty)		3 / 6.4 KPa	
Exhaust Gas Temperature	445°C		ТВА	
Exhaust Gas Flow (Prime)	1/ 45.3		TBA	
Maximum Exhaust System Ba	ack			
Pressure	10.2 kPa		TBA	
1 ressure	10.2 KI a		IUA	



DC SYSTEM STARTING/CHARGING

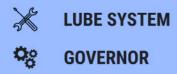
Cranking Battery Voltage 12 V

Battery Charging Alternator 65 A

Dc Voltage Monitoring via

Heat Rejection(prime)		

3.2 KW	TBA
11.6 KW	TBA
9.3 KW	TBA
0	TBA
	11.6 KW



6 L Lubricating System Oil Capacity

Mechanical

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	0.8/1
Regulation	<u>+</u> 1%
Frequency	50 Hz
Voltage Range	380-415 / 220-240
IP Rating (Protection)	lp23

Synchronous, 3/1 phase, Brushless & Self Excited

CONTROL MODULE

Deep Sea Model: DSE 4520



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

- High Water Temperature

- 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