



GENERATOR MODEL: P 13

Frequency/Speed - Voltage	50HZ/1500RPM-230/400V	
Prime Power	13 KVA	10.4 KW
Standby Power	14.3 KVA	11.4KW

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 403A-15G, 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 13 KVA Perkins 60 LTR.



Dimensions

 $L \times W \times H = 55"*24"*46"$

PERKINS ENGINE TECHNICAL DATA

MODEL: 403A-15G



Number Of Cylinders	3
Engine Build	In Line
Bore	84 mm
Stroke	90 mm
Displacement	1.496 L
Compression Ratio	22.5/1
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



Delivery Flow Rate (Ir/hr)

Fuel Consumption	
100% Load (g/kwh-L/hr)	3.7
75% Load (g/kwh-L/hr)	2.8
50% Load (g/kwh-L/hr)	2
Engine Coolant Capacity	6L
Air Flow Radiator	420 l/s
Radiator with 50 degree ambient	
Cooling Package & Air Cleaner	
Thermostatically-Cntroled	



COOLING SYSTEM



AIR INLET



Air Intake Engine (Clean Filter/Dirty)

Exhaust Gas Tempreature	445°C
Exhaust Gas Flow (Prime)	1/45.3
Maximum Exhaust System Back	
Pressure	10.2 Кра
Stainless Steel Exhaust Flex	



Crankin	g Battery Voltage	12 V	
Battery	Charging Alternator	65 A	
DC Vlot	age Monitoring Via		



Radiated Heat to Ambient	3.2 KW
Heat Rejection to Coolant	11.6 KW
Heat Rejection to Exhaust	9.3 KW
Heat Rejection to intercooler	0
	Heat Rejection to Coolant Heat Rejection to Exhaust



Lubricating Capacity: 6 LTRS

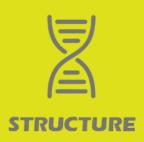
Mechanical

ALTERNATOR TECHNICAL DATA









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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)	lp23	

Synchronous, 3/1 phase, Brushless & Self Excited

NOTE: Alternator Brand & Model Subject to Availability.

CONTROL MODULE

DEAP SEA MODEL: DSE 4520

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

- Battery Voltage Monitoring (DC)

- Emergency Stop Push button/ Alarm Acknowledge
- ⊗ Warm-up Timer
- Engine Cycle Crank



WARNING &

SHUTDOWN ALARMS

INDICATIONS

CONTROL

FEATURES

- License Free Software
- Fully Configured Via The Fascia Or Pc Using Usb
- Efficient Power Save Mode

AUTHORIZED DEALER:

Disclaimer: In line with continuous product development, we reserve the right to change specifications without notice.