



**GENERATOR MODEL:** 

P 100

Frequency/Speed - Voltage	50HZ/1500RPM-230/400V	
Prime Power	100 KVA	80 KW
Standby Power	110 KVA	88 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 1104C-44TAG2, 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 100 KVA Perkins 120 LTR.



#### **Dimensions**

 $L \times W \times H = 84"*29"*56" \& Weight = 1300 kg approx$ 

## **PERKINS ENGINE TECHNICAL DATA**

MODEL: 1104C-44TG2









**AIR INLET** 



<b>Number Of Cylinders</b>	4	
Engine Build	In Line	
Bore	105 mm	
Stroke	127 mm	
Displacement	4.41 L	
Compression Ratio	18.2:1	
Aspiration	Turbocharged	
Cooling	Air to Air	
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)	22.6	
75% Load (g/kwh-L/hr)	17.1	
50% Load (g/kwh-L/hr)	11.2	
Engine Coolant Capacity	12.6 L	
Air Flow Radiator	2760 l/s	
Radiator with 50 degree ambient		
Cooling Package & Air Cleaner		
Thermostatically-Cntroled		
Air Intake Engine (Clean Filter/Dirt	5 / 8 KPa	
Exhaust Gas Tempreature	514°C	
Exhaust Gas Flow (Prime)	253.3 l/s	
Maximum Exhaust System Back		
Pressure	18 Kpa	
Stainless Steel Exhaust Flex		



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

	Radiated Heat to Ambient	6.8 KW
I E	Heat Rejection to Coolant	46.1 KW
<u>∏</u> ≣	Heat Rejection to Exhaust	71.7 KW
HEAT REJECTION	Heat Rejection to intercooler	0
(PRIME)		

LUBE SYSTEM

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**Lubricating Capacity: 8 LTRS** 

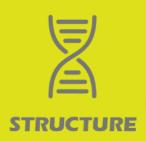
Mechanical

## **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)	lp23

Synchronous, 3/1 phase, Brushless & Self Excited

**NOTE:** Alternator Brand & Model Subject to Availability.

# **CONTROL MODULE**

**DEAP SEA MODEL: DSE 6020** 

- 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
- ⊗ Engine Cool Down Timer
- Emergency Stop Push button/ Alarm Acknowledge
- ⊗ Warm-up Timer
- Engine Cycle Crank
- Crank Disconnect (Failure to Start)

- High Water Temperature
- ⊗ Low Fuel Level

- 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



**INDICATIONS** 



CONTROL



WARNING &
SHUTDOWN ALARMS



**FEATURES** 

**AUTHORIZED DEALER:** 

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