



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

 $L \times W \times H = 84"*29"*56"$

PERKINS ENGINE TECHNICAL DATA

MODEL: 1104C-44TG2



Number Of Cylinders	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)

OOLING SYSTEM

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/Dirty	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

© GOVERNOR

Lubricating Capacity: 8 LTRS

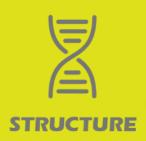
Mechanical

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.