

**GENERATOR MODEL: P 450**

Frequency/Speed - Voltage	50HZ/1500RPM-230/400V	
Prime Power	450 KVA	360 KW
Standby Power	495 KVA	396 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 2506A-E15TAG1 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-6020, Made in UK, Complying to the norms: Comply to the norms BS EN 61000, BS EN 60950, BS EN 60068



### Sound Proof Canopy

Durable and Weather proof with maximum service Accessibility and minimum Foot Prints



### Base Frame

Iron frame with Anti-Vibration pads & Built in fuel tank

# PERKINS ENGINE TECHNICAL DATA

MODEL: 2506A-E15TAG1



## STRUCTURE

Number Of Cylinders	6
Engine Build	In Line
Bore	137 mm
Stroke	171 mm
Displacement	15.2 L
Compression Ratio	16:1
Aspiration	Turbocharged
Cooling	Air to Air



## FUEL

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 (l/hr)

Fuel Consumption	
100% Load (g/kwh-L/hr)	95
75% Load (g/kwh-L/hr)	72
50% Load (g/kwh-L/hr)	50



## COOLING SYSTEM

Engine Coolant Capacity	58 L
Air Flow Radiator	12033.3 l/s
Radiator with 50 degree ambient	
Cooling Package & Air Cleaner	
Thermostatically-Cntroled	



## AIR INTAKE

Air Intake Engine (Clean Filter/Dirty)	3.7 KPa
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## EXHAUST SYSTEM

Exhaust Gas Temperature	TBA
Exhaust Gas Flow (Prime)	1190 l/s
Maximum Exhaust System Back Pressure	6.8 KPa
Stainless Steel Exhaust Flex	



**DC SYSTEM  
STARTING/CHARGING**

Cranking Battery Voltage	24 V
Battery Charging Alternator	70 A
DC Voltage Monitoring Via	



**HEAT REJECTION  
(PRIME)**

Radiated Heat to Ambient	27.2 KW
Heat Rejection to Coolant	134 KW
Heat Rejection to Exhaust	286 KW
Heat Rejection to intercooler	60 KW



**LUBE SYSTEM**

Lubricating Capacity: 62 LTRS
Electronic



**GOVERNOR**

**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
Regulation	± 1%
Frequency	50 Hz
Voltage Range	380-415 / 220-240
IP Rating (Protection)	Ip23



**STRUCTURE**

Synchronous, 3/1 phase, Brushless & Self Excited

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

# CONTROL MODULE

DEAP SEA MODEL: DSE 6020



## INDICATIONS

- ✔ Operating Hours
- ✔ 3 Phase Generator Voltage Sensing & Monitoring
- ✔ Current Protection & Monitoring
- ✔ Power Measurement (kW, kVA, kVA<sub>r</sub>, kWh, kVAh, kVA<sub>r</sub>h, pf)
- ✔ Frequency Monitoring (Hz)
- ✔ Oil Pressure/Coolant Temperature
- ✔ Battery Voltage Monitoring (DC)
- ✔ Alarm Acknowledge



## CONTROL

- ✔ Engine Cool Down Timer
- ✔ Emergency Stop Push button/ Alarm Acknowledge
- ✔ Warm-up Timer
- ✔ Load Switching Timer
- ✔ Engine Cycle Crank



## WARNING & SHUTDOWN ALARMS

- ✔ Generator Over/Under Voltage & Frequency
- ✔ Crank Disconnect (Failure to Start)
- ✔ Under/Over Speed
- ✔ Over Current
- ✔ Low Oil Pressure
- ✔ High Water Temperature
- ✔ Low Fuel Level
- ✔ Low Water Level



## FEATURES

- ✔ User Friendly
- ✔ 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

AUTHORIZED DEALER: