

**GENERATOR MODEL: P 300**

Frequency/Speed - Voltage	50HZ/1500RPM-230/400V	
Prime Power	300 KVA	240 KW
Standby Power	330 KVA	264 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 1506A-E88TAG5 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: 1506A-E88TAG5



## STRUCTURE

<b>Number Of Cylinders</b>	6
<b>Engine Build</b>	In Line
<b>Bore</b>	112 mm
<b>Stroke</b>	149 mm
<b>Displacement</b>	8.8 L
<b>Compression Ratio</b>	16.1:1
<b>Aspiration</b>	Turbocharged
<b>Cooling</b>	Air to Air



## FUEL

<b>Fuel Tank</b>	Built in fuel tank for at least 10 hours operation @ full load
<b>Fuel System</b>	75 % Direct Injection
<b>Fuel Recommended</b>	N° Diesel
	1500 RPM

### Delivery Flow Rate (l/hr)

<b>Fuel Consumption</b>	
100% Load (g/kwh-L/hr)	(196)65
75% Load (g/kwh-L/hr)	(195)48
50% Load (g/kwh-L/hr)	(198)33



## COOLING SYSTEM

<b>Engine Coolant Capacity</b>	51.4 L
<b>Air Flow Radiator</b> m <sup>3</sup> /min (cfm)	437.7
Radiator with 50 degree ambient	
Cooling Package & Air Cleaner	
Thermostatically-Cntroled	



## AIR INLET

<b>Air Intake Engine (Clean Filter/Dirty)</b>	2.5 KPa
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## EXHAUST SYSTEM

<b>Exhaust Gas Temperature</b>	561
<b>Exhaust Gas Flow (Prime) C°(F°)</b>	574(1065)
Maximum Exhaust System Back	
<b>Exhaust System Backpressure (Maximum Allowable)</b>	10 Kpa
Stainless Steel Exhaust Flex	



**DC SYSTEM  
STARTING/CHARGING**

Cranking Battery Voltage	24 V
Battery Charging Alternator	45 A
DC Voltage Monitoring Via	



**HEAT REJECTION  
(PRIME)**

Heat Rejection to Atmosphere from Generator	887 Btu/min
Heat Rejection to After cooler	2488 Btu/min
Heat Rejection to Exhaust (Total)	12315 Btu/min
Heat Rejection to intercooler	2487 Btu/min



**LUBE SYSTEM**

Lubricating Capacity: 41 LTRS



**GOVERNOR**

Electronic

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

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:**