

## GENERATOR MODEL: P20

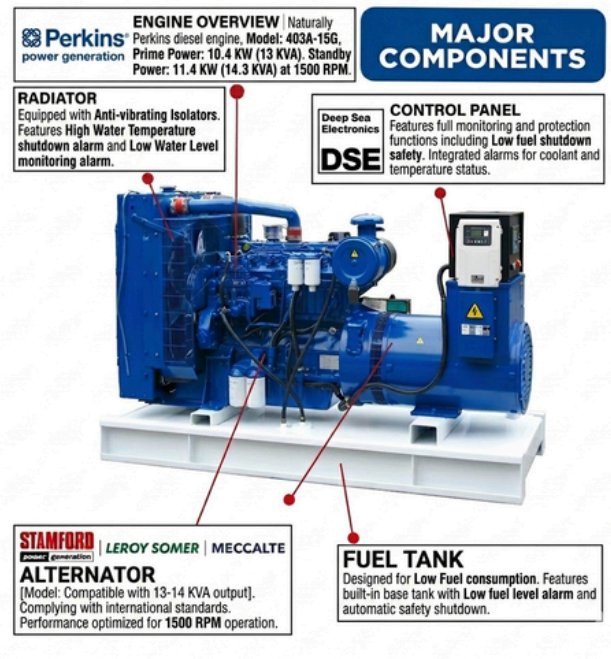
<b>Frequency/Speed - Voltage</b>	<b>50HZ / 1500RPM - 230/400V</b>	
<b>Prime Power</b>	20 KVA	16 KW
<b>Standby Power</b>	22 KVA	17.6 KW

## 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 manufacturer since 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.**

## Dimensions

L x W x H = 57"\*24"\*47"



## Engine

Perkins-UK, Model 404A-22G, 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 20 KVA Perkins 60 LTR.

## PERKINS ENGINE TECHNICAL DATA

### MODEL: 404A-22G

SPECIFICATION	DETAILS
Number Of Cylinders	4
Engine Build	In Line
Bore	84 mm
Stroke	100 mm
Displacement	2.2 L
Compression Ratio	23.3:1
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
<b>Delivery Flow Rate (l/hr)</b>	
<b>Fuel Consumption</b>	
100% Load (g/kwh-L/hr)	5.3
75% Load (g/kwh-L/hr)	4
50% Load (g/kwh-L/hr)	2.9
Engine Coolant Capacity	7L
Air Flow Radiator	490 l/s
Radiator with 50 degree ambient	-

## PERKINS ENGINE TECHNICAL DATA

SPECIFICATION	DETAILS
<b>Cooling Package &amp; Air Cleaner</b>	-
<b>Thermostatically-Cntroled</b>	-
<b>Air Intake Engine (Clean Filter/Dirty)</b>	3 / 6.4 KPa
<b>Exhaust Gas Tempreature</b>	445°C
<b>Exhaust Gas Flow (Prime)</b>	60.6 l/s
<b>Maximum Exhaust System Back</b>	-
<b>Pressure</b>	10.2 Kpa
<b>Stainless Steel Exhaust Flex</b>	-
<b>Cranking Battery Voltage</b>	12 V
<b>Battery Charging Alternator</b>	65 A
<b>DC Vlotage Monitoring Via</b>	-
<b>Radiated Heat to Ambient</b>	3.5 KW
<b>Heat Rejection to Coolant</b>	17 KW
<b>Heat Rejection to Exhaust</b>	14 KW
<b>Heat Rejection to intercooler</b>	0
<b>Lubricating Capacity</b>	10.6 LTRS
<b>Governor</b>	Mechanical

## ALTERNATOR TECHNICAL DATA

SPECIFICATION	DETAILS
<b>Insulation System</b>	Class H
<b>Winding Pitch</b>	2/3 to Minimize Harmonics effects
<b>Number of Poles</b>	4
<b>Number of Bearings</b>	Single Bearing
<b>RPM</b>	1500 RPM
<b>Power Factor</b>	0.8/1
<b>Regulation</b>	± 1%
<b>Frequency</b>	50 Hz
<b>Voltage Range</b>	380-415 / 220-240
<b>IP Rating (Protection)</b>	Ip23

## CONTROL MODULE

### DEAP SEA MODEL: DSE 4520



#### INDICATORS

- 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



#### CONTROLS

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



#### WARNING & SHUTDOWN ALARM

- 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