

GENERATOR MODEL: P 20

Frequency/Speed - Voltage	50HZ/1500RPM-230/400V	
Prime Power	20 KVA	16 KW
Standby Power	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 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 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.



Dimensions

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

PERKINS ENGINE TECHNICAL DATA

MODEL: 404A-22G



STRUCTURE

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



FUEL

Delivery Flow Rate (l/hr)	
Fuel Consumption	
100% Load (g/kwh-L/hr)	5.3
75% Load (g/kwh-L/hr)	4
50% Load (g/kwh-L/hr)	2.9



COOLING SYSTEM

Engine Coolant Capacity	7L
Air Flow Radiator	490 l/s
Radiator with 50 degree ambient	
Cooling Package & Air Cleaner	
Thermostatically-Cntroled	



AIR INLET

Air Intake Engine (Clean Filter/Dirty)	3 / 6.4 KPa
Exhaust Gas Temperature	445°C
Exhaust Gas Flow (Prime)	60.61/s
Maximum Exhaust System Back	



EXHAUST SYSTEM

Pressure	10.2 Kpa
Stainless Steel Exhaust Flex	



DC SYSTEM
STARTING/CHARGING



HEAT REJECTION
(PRIME)

LUBE SYSTEM

GOVERNOR



STRUCTURE

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

Radiated Heat to Ambient	3.5 KW
Heat Rejection to Coolant	17 KW
Heat Rejection to Exhaust	14 KW
Heat Rejection to intercooler	0

Lubricating Capacity: 10.6 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)	Ip23

Synchronous, 3/1 phase, Brushless & Self Excited

NOTE: Alternator Brand & Model Subject to Availability.

CONTROL MODULE

DEAP SEA MODEL: DSE 4520



INDICATIONS

- ☑ Operating Hours
- ☑ 3 Phase Generator Voltage Sensing & Monitoring
- ☑ Current Protection & Monitoring
- ☑ Power Measurement (kW, kVA, kVA_r, kWh, kVAh, kVA_rh, 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: