

Continuous Energy, Uninterruptible Life...

# Specialized in Un-interrupted Power Solutions & Products

When it comes to emergency power, iEnergy's Generator Powered by Perkins Engine are the best and reliable solution. Designed under high quality control and international standards to meet the industry's requirements.



GENERATOR MODEL: 404A-22G

## PERKINS P20

Frequency/Speed - Voltage **50HZ/1500RPM-230/400V**

Prime Power **20 KVA | 16 KW**

Standby Power **22 KVA | 17.6 KW**

- Warranty: 1 year or 1000 hours.
- Low fuel shutdown safety.
- 24/7 after sales support.
- Generator made by OEM Perkins-UK
- 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

## Pursuing High-Quality Products & Efficient Services

### Our Services

#### Engine

Perkins-UK, Model 1103A-33G, in accordance to ISO3046, ISO 8528, DIN 6271

#### Alternator

Leroy Somer-France / Meccalte-UK Stamford UK Complying to the following Norms:CEE/CEI2/3/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 30 KVA Perkins 80 LTR

#### Dimensions

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

### GET IN TOUCH

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Head Office  
Plot # 5, RCCI, Main Rawat Industrial Area, Pakistan



GENERATOR MODEL: 404A-22G

## PERKING P20

Number Of Cylinders	3
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
Delivery Flow Rate (l/hr)	1500 RPM

Fuel Consumption	
100% Load (g/kwh-L/hr)	6.3
75% Load (g/kwh-L/hr)	4.0
50% Load (g/kwh-L/hr)	2.9
Engine Coolant Capacity	7 L

Air Flow Radiator	490 l/s
Radiator with 50 degree ambient	
Cooling Package & Air Cleaner	
Thermostatically-Cntroled	

Air Intake Engine (Clean Filter/Dirty)	3 / 6.4 KPa
Exhaust Gas Temperature	445°C
Exhaust Gas Flow (Prime)	60.61 l/s
Maximum Exhaust System Back Pressure	10.2 Kpa
Stainless Steel Exhaust Fle	
Cranking Battery Voltage	12 V
Battery Charging Alternator	65 A
DC Vlotage 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

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

### 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

### CONTROL MODULE

DEAP SEA MODEL: DSE 4520

- ☑ Operating Hours
- ☑ 3 Phase Generator Voltage Sensing & Monitoring
- ☑ Current Protection & Monitoring
- ☑ Power Measurement (kW, kVA, kVAh, kWh, kVAh, kVAh, 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
- ☑ Load Switching Timer
- ☑ Engine Cycle Crank
  
- ☑ 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
  
- ☑ 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

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