







GENERATOR MODEL P20

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



Features

Engine

Perkins, 404D-22G, Made in UK, in accordance to ISO3046, ISO8528, DIN6271



Leroy Somer-France / Meccalte-Uk Complying to the following norms:CEE/CEI2-3/ EN60034-1/ IEC34-1/ VDE/ BS/CAN/ CSA

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

Base Frame

Black steel with Anti-vibration pads, Built in fuel tank

Sound Proof Canopy

Modular SPC, Powder Coated, Extremely Durable, Designed to Reduce Sound Level with Maximum Service Accessibility and Minimum Foot Prints

Countrywide Support

Enpower Products are distributed through its dealer Network For more information you may Contact us.

Definition

🙀 Standby Power

Standby Power: Continuos running at variable load for duration of an emergency. No overload is permitted on this ratings.

Prime Power

Prime Power: Continuos running at variable load for unlimited periods with 10 % overload 1 hour in any 12 hours Period.

PERKINS ENGINE TECHNICAL DATA

Model: 404D-22G





FUEL







N	Number of Cylinders	4		
Е	Engine Build	In line		
E	Bore	84 mm		
5	Stroke	100 mm		
С	Displacement	2.2 L		
C	Compression Ratio	23.3:1		
Į.	Aspiration	Natural		
C	Cooling	Water Cooled		
		1500 RPM		1800 RPM
	Fuel Tank	Built in fuel tank for at 10 hours operation @ load		Built in fuel tank for atleast 10 hours operation @ full load
	Fuel System Fuel Recommended	Direct injection N°2 Diesel		
		1500 RMP		1800 RPM
	Delivery Flow Rate (Ir/hr)			
	Fuel Consumption			
	100% Load (g/kWh-L/hr)	5.3		TBA
	75% Load (g/kWh-L/hr)	4.8		TBA
	50% Load (g/kWh-L/hr)	2.9		TBA
	Engine Coolant Capacity	7L		
	Air Flow-Radiator	490 I/s		TBA
	Radiator with 50 degree			
	Cooling Package & Air Cleaner			
,	Thermostatically-controled			
	Air Intake Engine (Clean Filter/Dirt	y)		3 / 6.4 KPa
J	Exhaust Gas Temperature	445°C		ТВА
	Exhaust Gas Flow (Prime)	60.6 l/s	TBA	
	Maximum Exhaust System Back			
	Pressure	10.2 kPa		TBA
	Stainless Steel exhaust flex-			



DC SYSTEM STARTING/CHARGING

Cranking Battery Voltage 12 V

Battery Charging Alternator 65 A

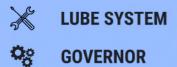
Dc Voltage Monitoring via



3.5 KW	TBA
17 KW	TBA
14 KW	TBA
0	TBA
	17 KW

10.6 L Lubricating System Oil Capacity

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	<u>+</u> 1%
Frequency	50 Hz
Voltage Range	380-415 / 220-240
IP Rating (Protection)	lp23

Synchronous, 3/1 phase, Brushless & Self Excited



STRUCTURE

CONTROL MODULE

Deep Sea Model: DSE 4520



INDICATIONS



CONTROL



WARNING & SHUTDOWN ALARMS



FEATURES

- Operating Hours
- 3 Phase Generator Voltage Sensing & Monitoring
- Power Measurement (kW, kVA, kVAr, kWh, kVAh, kVArh, pf)

- ⊗ Battery Voltage Monitoring (DC)
- ⊗ Alarm Acknowledge
- Emergency Stop Push button/ Alarm Acknowledge
- ⊗ Warm-up Timer
- Load Switching Timer

- Crank Disconnect (Failure to Start)

- High Water Temperature

- Largest Backlit Icon Display In Its Class
- Fully Configured Via The Fascia Or Pc Using Usb
- Efficient Power Save Mode

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