

Powermaster



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GRESHAM'S
the energy-enviro specialists

OUTPUT RATINGS

Generator Set Model	GPD 20
Prime Power 380-415 V, 50 Hz	16 kWm / 20 Kva

RATING DEFINITIONS

Prime power: Power available at variable load in lieu of main power network. An overload of 10 % is permitted for one hour in every twelve hours of operation.

Standby power: Power available at variable load in the event of a main power network failure. No overload is permitted.

ENGINE SPECIFICATIONS

Engine Make & Model	Peugeot XDP-4.90
No of Cylinders & Arrangement:	4, Vertical, Inline
Cycle:	4 Stroke
Cubic Capacity Lit (Cu. In)	5.99 (365)
Bore & Stroke (mm)	102 x 100
Compression Ratio	17.5 : 1
Engine Speed (Rpm)	1500
Engine Power - Stand-By	20 kW / 25 Kva
BMEP: kPa (Lbf/in ² .)	1263 (183)

Piston speed: m/sec (ft/sec)	6.35 (20.8)
Fuel Consumption (Lit/hr @ 1500 RPM)	
50 % Prime Power	3.9
75 % Prime Power	5.2
100 % Prime Power	6.9
Oil Pan Capacity (Lit)	
High Level	7.5
Low Level :	6.5
Engine Coolant capacity: Lit	8.5
Dry Weight Approx.	310 Kg

ALTERNATOR SPECIFICATIONS

Make	Marelli
Origin	Italy
Capacity (P/S)	Prime - 17 kW / 20 Kva
Voltage	380
Type	4-Pole, Rotating Field

Exciter type	Brushless Permanent Magnet Pilot Exciter
Voltage regulator	Solid State
Insulation material	Class H, IEC-34.1
Coupling	Flexible Disc
Atmortiseur windings	Full

- Generator is designed and built within IEC-34.1 and BS-4999 etc.
- Skewed stator for smooth voltage wave form.

- Self-ventilated by cast iron fan.
- Sustains short circuit current at 300 % of rated current up to 10 seconds.

STANDARD SUPPLIES

- Structural steel mounting base
- Exhaust silencer with connector
- Air cleaner, heavy duty housing
- Batteries
- Oil & fuel filters
- Fully automatic operation and safety shutdown
- Radiator