

CHARACTERISTICS GENSET 1000KW



PRIME POWER: 1250KVA (1000KW)

STAND BY POWER: 1375KVA (1100KW)

0.1. DIESEL ENGINE

Maker.....PERKINS
Type.....4012 TWG 2
Cycle.....4 T
Number and cylinders.....12 in Vee
Cylinders (in litres).....45.84
Bore / stroke (in mm).....160/190
Fuel.....Fuel n° 2

Gross power on flywheel according to ISO 3046 -1 :

Stand by power.....1207 kW
Prime power1097 kW
Speed.....1500 rpm
Turbocharge.....by turbo compressor driven by exhaust gases

Fuel consumption (For guaranteed figures, 5% in excess of this value should be added according to DIN 6271) :

4/4 of load (in l/h).....265

The engine is equipped with the following accessories :

- Electronic speed regulator,
- Filters with interchangeable cartridge on water circuit, oil and fuel,
- Air filters,
- Electrical starter 24 VCC,
- Water circuit preheating safety by resistors and thermostats,
- Stop solenoid 24 VCC,
- Flywheel type genset
- 2 sensors with gauges displaying :
 - water temperature,
 - oil pressure.
- 1 Thermo-couple for detection of alarms :
 - water temperature.
- 1 oil pressure switch.

0.2. ALTERNATOR

Maker.....STAMFORD
Genset power..... 1250 kVA
Alternator Stand by power 1440 kVA
Alternator prime power..... 1320 kVA
Type.....HCI734E1
Factor power.....0,8
Rated speed..... 1500 rpm
Voltage.....400V three phase + neutral
Frequency.....50 Hz
Insulation / heating.....Class H / H
Excitation..... Static (brush less)
Regulation.....Static assuring precised current in output at $\pm 5\%$ in
operating conditions for all loads comprised between
0 and 100 % and power factor comprised between
0,8 nd 1.
Drip proof machine, auto-ventilated (IP 21) ;
Building type single bearing ;
Potentiometer adjustable on voltage till $\pm 5\%$ (included on regulator) ;
Substained short circuit current : $3 I_n$;
Total harmonic between phases and undisturbing load < 5 %