

CHARACTERISTICS GENSET 520KW



PRIME POWER: 650KVA (520KW)

STAND BY POWER: 715KVA (572KW)

0.1. DIESEL ENGINE

Maker.....PERKINS
Type.....3012 TAG 1B
Cycle.....4 T
Number and cylinders.....12 in Vee
Cylinders (in litres).....26,11
Bore / stroke (in mm).....135/152
Fuel.....Fuel n° 2

Gross power on flywheel according to ISO 3046 -1 :

Stand by power.....626 kW
Prime power570 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).....137

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..... 650 kVA
Alternator Stand by power 738 kVA
Alternator prime power..... 675 kVA
Type..... HCI 544 F1
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 $< 5\%$