CHARACTERISTICS GENSET 640KW

PRIME POWER: 800KVA (640KW)

STAND BY POWER: 860KVA (688KW)

0.1. DIESEL ENGINE

Maker.....PERKINS

Type.....3012 TAG 3A

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.....756 kW

Prime power .....689 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).....171

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..... 800 kVA

Alternator Stand by power ..... 860 kVA

Alternator prime power..... 810 kVA

Type.....HCI634G1

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 ± 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 ± 5 % (included on regulator) ;

Substained short circuit current : 3 In ;

Total harmonic between phases and undisturbing load < 5 %