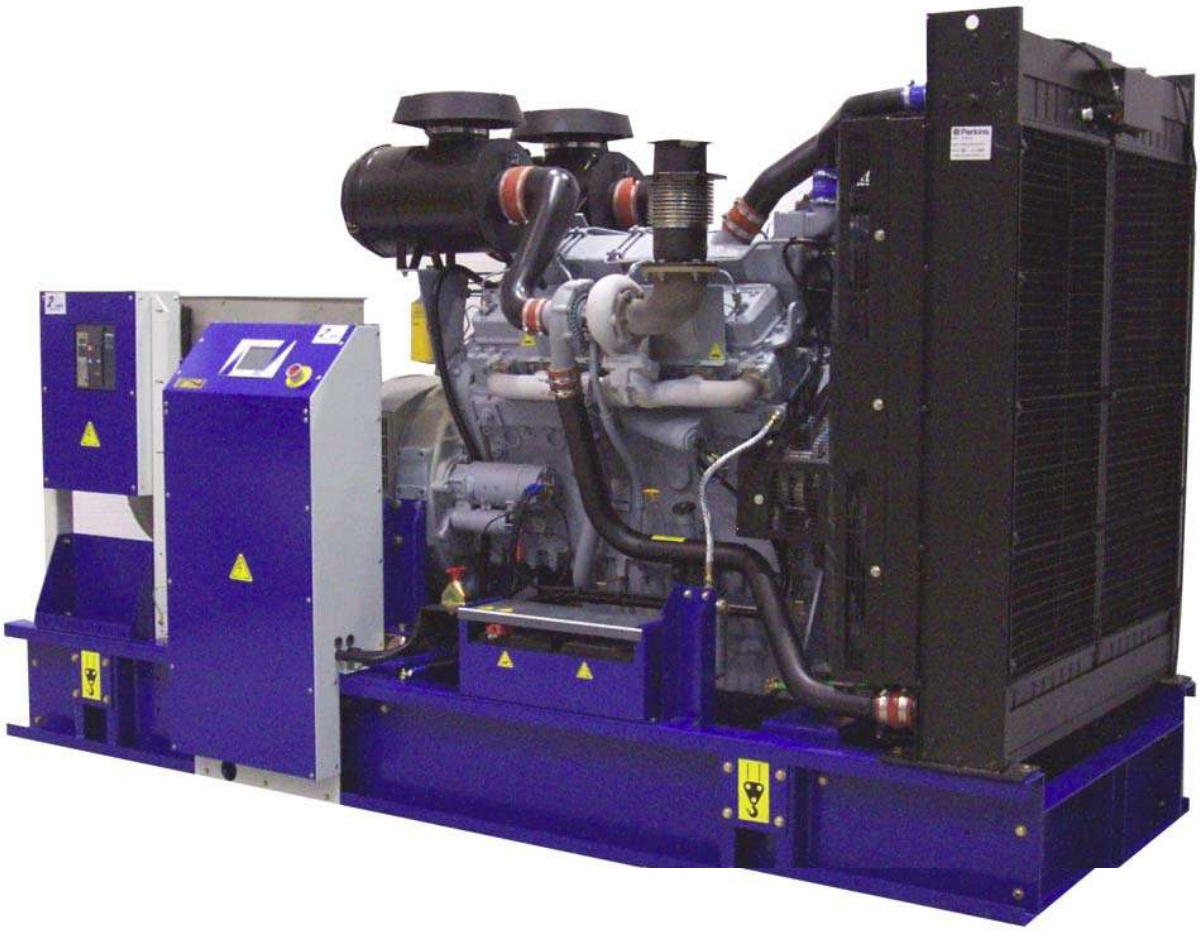
CHARACTERISTICS GENSET 400KW



PRIME POWER: 500KVA (400KW)

STAND BY POWER: 550KVA (440KW)

0.1. DIESEL ENGINE

Maker.....PERKINS

Type.....2806E16 TAG2

Cycle.....4 T

Number and cylinders.....6 in Line

Cylinders (in litres)..... 15,8

Bore / stroke (in mm)..... 140 X 171

Fuel.....Fuel n° 2

Gross power on flywheel according to ISO 3046 -1 :

Stand by power.....483 kW

Prime power .....445 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)..... 108

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.....LEROY SOMER

Genset power..... 500 kVA

Alternator Stand by power ..... 550 kVA

Alternator prime power..... 500 kVA

Type.....LSA 47.1 L10

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 %