



## STANDARD EQUIPMENT

PRICE LIST 06/04

### GENERATING SETS

#### A) MANUAL GENERATING SETS ON BASE FRAME

- \* **DIESEL ENGINE:** 4 strokes direct injection; 1500 Rpm; cooling system by air or air/oil or water with mechanical radiator or electro fan, electric starting, 12 or 24 Vdc charging battery alternator; forced lubrication by oil filter, dry air filter/s; fuel filter/s; injection pump with automatic RPM governor, mechanical or electronic type; fuel suction by feed pump; alarm switches for low oil pressure and/or high engine temperature.
- **ALTERNATOR:** synchronous, three phase, BRUSHLESS type, of primary Italian glorious factory "MARELLI MOTORI" or "MECCALTE" or others (depending from our prior availability at date of order), three phase execution 400/231 Volt with accessible neutral, 50 Hz frequency, self-excited, self-adjusting with automatic voltage regulator (electronic type, voltage precision  $\pm 1,5\%$ ); class "H" insulation and temperature rise (overheating); minimum protection degree IP 21; single bearing design for direct coupling to diesel engine flywheel.
- \* **BASE FRAME** in strong steel tubulars or channelled steel (T, double T or U design), manually electrowelded, able to sustain the whole genset and give stiffness to the same.
- \* **ANTIVIBRATING SUPPORTS:** in antioil rubber, placed between the genset assembly and the baseplate, to eliminate vibrations.
- \* **FUEL TANK** standard capacity 50 or 120 litres, placed into the base frame or contained into the generating set structure or supplied loose; standard tanks are 50 litres up to 100kVA, 120 litres for bigger sizes. Different capacities on request.
- \* **ELECTRIC SYSTEM** to check the Genset, complete with 12 or 24 Vdc. lead acid battery.
- \* **ENGINE BLOCK SYSTEM** by stop solenoid or electrovalve, in case of running anomalies or to simply stop the genset.
- \* **MANUAL PANEL**, equipped as described on page three, mounted onto the genset;

- \* **MUFFLERS** industrial type, high efficiency type, mounted directly onto the genset (soundproofed generators) or supplied loose for other types (non-soundproofed generators);
- \* **TEST** in our premise, according to our ISO standard quality process ;
- \* **PAINTING** according to the standard cycle of manufacturer (rust resistant primer and top grade finish enamel). Specific RAL colour or painting cycle on demand;
- \* **TECHNICAL DOCUMENTATION** including:
  - Instruction manual for engine, alternator and control panel;
  - Electric scheme of the control panel.

#### B) AUTOMATIC GENERATING SETS ON BASE FRAME

- \* **EQUIPMENT** like point "A" excluding the manual control panel.  
It includes, furthermore:
- \* **PREHEATING** engine oil or cooling water by conduction, mounted under the oil sump (Oil preheating) or near the diesel engine itself (Water preheating). Preheating water pump on big generators (above 900kVA)
- \* **AUTOMATIC COMMAND and CONTROL PANEL** supplied loose, with or without commutation (depending from the version required) with characteristics as described separately;