**Generator Details:**

- Multi-Fuel: Runs with Straight Vegetable Oil (SVO: Canola/Rapeseed, soy, sunflower, palm, jatropha, Algae, etc) or Waste Vegetable Oil (WVO such as cooking oil), plus Biodiesel, and common Diesel fuel.
- Suitable as backup system for off-grid systems, can be integrated into solar, wind, Hydro power plants.
- SUPERSILENCED (70 dB(A)±3 at 7 mt.): Soundproof enclosure, soundproof material, internal silencer.
- Constructed for continuous long-term operation: Engine/alternator monoblock unit coupled through flexi-disc couplings, installed on a welded steel baseframe, complete with antivibration mountings.
- Doors are 20/10 sheet steel, inox-steel handles and hinges, external fuel tank cap w/ key, lifting hooks.
- Easy to operate by means of fully automatic PLC-control, supports local or remote control.
- Diesel tank: 37 Gallons (140 litres), vegetable oil tank connected externally (not included).
- Fuel consumption at 75% of load: approx. 4.5 Gal/Hour (17.1 L/h).
- Dimensions, In: 112 L x 40 W x 55 H (MM: 2850 L x 1000 W x 1400 H).
- Industrial painting in RAL 1004 (golden yellow).
- Weight: 3,572 Pounds (1,620 Kilos).

**Technical Data:**

### EQUIPMENT SPECIFICATION (according ISO 8528/1)

- Frequency: 50 Hz or 60 Hz (Specify At Order)
- Voltage available to the terminals: 400/230 V
- Standby power at cosφ 0.8: 110 kVA
- Prime power at cosφ 0.8: 100 kVA
- Standby power at cosφ 0.8: 88 kW
- Prime power at cosφ 0.8: 80 kW

### ENGINE

- 4 stroke motor, water cooled, intercooled
- Brand and model: PERKINS 1104C-44
- Emission standard: Stage 2
- Displacement: 4,410 cc
- Governor: Mechanical
- Max power: 138 HP
- R.P.M.: 1,500
- Cylinders: 4

### ALTERNATOR

- Synchronous generator with electronic governor
- Model: MECC-ALTE ECP34-2S/4 (or SIMILAR)
- Continuous power: 50 or 60 Hz, 105 kVA
- Automatic Voltage Regulator (AVR)
- Stator/rotor insulation: class H
- Protection level: IP21
- Poles: 4

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