**Multi-Fuel:** Runs with **Straight Vegetable Oil** (SVO: Canola/Rapeeseed, 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: 108 Gallons (410 litres), vegetable oil tank connected externally (not included)

Fuel consumption at 75% of load: approx. 15.4 Gal/Hour (58.2 L/h)

Dimensions, In: 178 L x 57 W x 91 H (MM: 4500 L x 1450 W x 2300 H)

Industrial painting in RAL 1004 (golden yellow)

weight: 8,245 Pounds (3,740 Kilos)

Lead acid batteries: 24 V / 160 Ah

**ELECTRIC START PANEL**

Earth fault device

Low fuel level switch

Emergency stop button

Magnetothermic circuit breaker

Socket 32A 230V, Socket 32A 400V

Voltmeter + phase selector switch

Ammeter, Frequency meter, Hours run meter

Multiple Engine safety devices: high water temperature, low oil pressure, battery charger fault

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**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: 330 kVA
- Prime power at cosφ 0.8: 300 kVA
- Standby power at cosφ 0.8: 264 kW
- Prime power at cosφ 0.8: 240 kW

**ENGINE**

- 4 stroke motor, water cooled, intercooled
- Brand and model: DEUTZ BF6M 1015 C
- Emission standard: Stage 2
- Displacement: 11,906 cc
- Governor: electronic
- Max power: 384 HP
- R.P.M.: 1,500
- Cylinders: 6

**ALTERNATOR**

- Synchronous generator with electronic governor
- Model: MECC-ALTE ECO38-2LN/4 (OR SIMILAR)
- Continuous power: 50 or 60 Hz, 300 kVA
- Automatic Voltage Regulator (AVR)
- Stator/rotator insulation: class H
- Protection level: IP21
- Poles: 4

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