**TECHNICAL DATA SHEET – VEGETABLE OIL GENERATOR - 220 KW**

**www.OrganicMechanic.com/Vegetable-Oil-Generator/**

**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: 45 Gallons (170 litres), vegetable oil tank connected externally (not included).
- Fuel consumption at 75% of load: approx. 9.6 Gal/Hour (36.3 L/h)
- Dimensions, in: 70 L x 63 W x 91 H (MM: 3300 L x 1100 W x 1650 H)
- Industrial painting in RAL 1004 (golden yellow)
- Weight: 4,784 Pounds (2,170 Kilos)
- Lead acid batteries: 24 V / 145 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

**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: 220 kVA
- Prime power at cosφ 0.8: 200 kVA
- Standby power at cosφ 0.8: 176 kW
- Prime power at cosφ 0.8: 160 kW

**ENGINE**

- 4 stroke motor, water cooled, intercooled
- Brand and model: DEUTZ BF6M 1013 FC
- Emission standard: Stage 2
- Displacement: 7,146 cc
- Governor: electronic
- Max power: 248 HP
- R.P.M.: 1,500
- Cylinders: 6

**ALTERNATOR**

- Synchronous generator with electronic governor
- Model: MECC-ALTE ECO 38-2SN/4 (OR SIMILAR)
- Continuous power: 50 or 60 Hz, 200 kVA
- Automatic Voltage Regulator (AVR)
- Stator/rotator insulation: class H
- Protection level: IP21
- Poles: 4

**Price:**

$49,999 Plus Shipping Delivery 4-8 Wks Worldwide

**Contact:**

Bob Karl
262-674-6324
Contact@OrganicMechanic.com

www.OrganicMechanic.com/Vegetable-Oil-Generator/