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## TECHNICAL DATA SHEET ATG330SP – VEGETABLE OIL GENERATOR

### DESCRIPTION and TECHNICAL DATA

#### 1. STRUCTURE

- Runs with Straight Vegetable Oil (SVO, PPO e.g. rape oil, soya oil, palm oil, sun flower oil,...), Waste Vegetable Oil (WVO) or common Diesel fuel
- Easy to by means of fully automatic PLC-control, supports local or remote operation
- Suitable as backup system for solar and wind power plants
- SUPERSILENCED (70 dB(A)±3 at 7 mt.)
- Engine/alternator monoblock unit coupled through flexi-disc couplings, installed on a welded steel baseframe, complete with antivibration mountings
- Soundproof enclosure with doors made of 20/10 sheet steel, soundproof material, internal silencer, inox-steel handles and hinges, external fuel tank cap with key, lifting hook
- Industrial painting in RAL 1004 (golden yellow)
- Integrated diesel fuel tank - 410 litres, vegetable oil tank connected external (not included)
- Fuel consumption at 75% of load: approx. 58.2 L/h
- Lead acid batteries: 24 V / 160 Ah
- Dimensions (mm): L= 4500 x W= 1450 x H= 2300 - weight (Kilos): 3740

#### 2. ELECTRIC START PANEL

- Earth fault device
- Magnetothermic circuit breaker
- Socket 32A 230V, Socket 32A 400V
- Voltmeter + phase selector switch
- Ammeter, Frequency meter, Hours run meter
- Engine safety device: high water temperature, low oil pressure, battery charger fault
- Low fuel level switch
- Emergency stop button





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### **3. EQUIPMENT SPECIFICATION (according ISO 8528/1)**

- Standby power at cosfi 0.8 : 330 kVA
- Prime power at cosfi 0.8 : 300 kVA
- Standby power at cosfi 0.8 : 264 kW
- Prime power at cosfi 0.8 : 240 kW
- Frequency : 50 Hz
- Voltage available to the terminals : 400/230 V

### **4. ENGINE**

- 4 stroke motor - water cooled - intercooled
- Brand and model : DEUTZ BF6M 1015 C
- Governor : electronic
- Max power : 384 hp
- R.P.M. : 1500
- Cylinders : 6
- Displacement : 11906 cc
- Emission standard : Stage 2

### **5. ALTERNATOR**

- Synchronous generator with electronic governor and AVR (Automatic Voltage Regulator)
- Brand and model : MECC ALTE ECP 38-2LN/4 (OR SIMILAR BRAND)
- Poles : 4
- Stator/rotator insulation : class H
- Protection level : IP21
- Continuous power (50 Hz) : 300 kVA

**Further information on the Internet at:**

**<http://www.heipro.com/plant-oil-generator.htm>**