

# DIESEL INDUCTION HEATING GENERATOR




Single phase engine-driven generator, direct drive, medium-frequency output specifically designed to supply induction heating coils

Mechanical Specifications	
<b>Engine options</b>	FPT C13 ENT water-cooled , 6 cylinders in line with turbo aftercooler, 375 KW at 2100 rpm
	Other engine options: on request
<b>Displacement</b>	12900 cc
<b>Emissions Category</b>	Tier 3 / STAGE 3A
<b>Fuel Tank Capacity</b>	400 litres
<b>Working temperature</b>	-15°C / +45°C -40°C / +45°C with optional cold weather equipment
<b>Relative Humidity</b>	85%
<b>Dry Weight</b>	3600 Kg
<b>Dimensions:</b>	3000 (L) x 1250 (W) x 2100 (H) mm
<b>Max inclination</b>	35°
<b>Noise Level</b>	78 dBa / 7mt

Electrical Specifications	
Output Voltage	350 V single-phase
Output Frequency	535-560 Hz
Output Current	1000 A single-phase
Max Output Power	280 KW continuous
	350 KW at 60% duty cycle over a 5-minute period
Full-power nominal output load impedance	350 mOhm
Insulation class of main alternator	H
Output connectors	Powerlock / GIFAS

#### ***Electronic Specifications***

- Highly integrated power supply and control boards with CPU for digital control.
- Large VFD (Vacuum Fluorescent Display) digital display.
- SAE J1939 engine LCD graphical display.
- Programmable machine cycles for field-joint, welding preheating and heat treatment.
- Full automatic power factor correction.
- RS-232C PC serial interface.

#### ***System is complete with***

- Set of induction cables to connect generators with coil - n. 4 cables - 15m length with twist-lock fast connectors ( GIFAS Welding Connectors or Powerlock)
- Remote control

#### ***Available Options***

- Conditioning kit for extreme temperatures
- Auxiliary single-phase 50/60 Hz, 2.5 KW 120/240 V AC power supply.