

DIESEL INDUCTION HEATING GENERATOR




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

Mechanical Specifications	
Engine options	FPT N45 ENT water-cooled , 4 cylinders in line with turbo aftercooler, 110 KW at 2200 rpm
	Other engine options: on request
Displacement	4500 cc (FPT), 7150 cc (Volvo)
Emissions Category	Tier 2 / Stage 2
Fuel Tank Capacity	225 litres
Working temperature	-15°C / +45°C -40°C / +45°C with optional cold weather equipment
Relative Humidity	85%
Dry Weight	1800 Kg
Dimensions:	1900 (L) x 1000 (W) x 1800 (H) mm
Max inclination	35°
Noise Level	76 dBa / 7mt

Electrical Specifications	
Output Voltage	155 V single-phase
Output Frequency	490-510 Hz
Output Current	580 A single-phase
Max Output Power	700 KW continuous
	90 KW at 60% duty cycle over a 5-minute period
Full-power nominal output load impedance	267 mOhm
Insulation class of main alternator	H
Output connectors	Powerlock

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.