MOBILE INDUCTION HEATING EQUIPMENT

DIESEL DRIVEN INDUCTION GENERATOR IHG SERIES

Diesel driven induction generators **IHG series** are the most popular and flexible solution used in many applications including pipeline construction.

The induction generators **IHG series** are powered by built-in DIESEL engine, and do not need additional power source. This equipment is suitable for Onshore project but is also used Offshore or in Spoolbases.

Induction generators **IHG series** are available in different output power 120÷350 Kw and different configurations according with Emission compliance required.

GENERAL FEATURES		IHG 120	IHG 150	IHG 180	IHG 350
Max Output Power		120 kW	150 kW	180 kW	350 kW
Output power	Duty cycle 50%	120 kW	150 kW	180 kW	350 kW
	Duty cycle 100%	100 kW	120 kW	150 kW	280 kW
Working Temperature		Standard configuration -15°C ÷ +45°C / +5°F ÷ 113°F Winterized configuration -40°C ÷ +45°C / +5°F ÷ 113°F			
Humidity		85%			
Weigth		2500 Kg / 5512 lb	3000 kg / 6614 lb	3000 kg / 6614 lb	6000 kg / 13228 lb
Dimension		2440 x 1280 x 2020 mm 96" x 50" x 80"			3370 x 1730 x 2470 mm 132" x 68" x 97"
Max Inclination		35°			22°
Noise Power Level		LW = 109 dB (A) – (Soundproofed setting on demand)			
Tank capacity		170 ÷ 200 Lt / 45 ÷ 53 US Gal			500 Lt / 132 US Gal
Rated Voltage (singlephase)		165 V	240 V	265 V	490 V
Rated Current		725 A	625 A	680 A	715 A
Output Frequency		440 Hz	480 Hz	480 Hz	600 Hz
Alternator insulation class		H			
IP Protection		Control panel IP 64 – Enclosure IP 22			
Output connectors		Power Lock / Leviton / Gifas			

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General features

The generator consist of a robust enclosure, made of galvanized steel and a frame skid in carbon steel.

All the weldings joints of the structure are sealed to avoid corrosion in the welding's joints and the painting is made of Epoxy resin consisting of high adhesion based primer used as rust-inhibitor, overcoated with epoxy topcoats/paint.
Inside the enclosure are installed

· Diesel engine
· Medium frequency brushless alternator
· Control Pannel
· Capacitor rack
· Fuel tank
· Optionals

TESI install different types of Diesel engines, according to customer preference and emission compliance regulation required in the country where the generator will be used (Tier/Stage 2, Tier/Stage 3, Tier/Stage 4, Tier 4 Final /Stage 5)
Engine options are:

· FPT
· CATERPILLAR
· CUMMINS
· VOLVO
· DEUTZ

Electrical / electronic specification

· Digital control CPU and interface USB port
· Full automatic PF adjustment
· Programmable heating cycles Welding/Coating/Heat Treatment
· VFD Digital display
· APS Alternator Protection System
· Over current / Over voltage protecton system

Optionals

Auxiliary Alternator 3phase VAC 50/60Hz 10 kW 2 Outlet sockets 380V - 32A Interlocked.

Air Compressed System 17 CFM (28.9 m3/hour) @ 1800 rpm Max Pressure110 PSI (758 kPa=7.58 bar) Air couplings 1/4" – 3/8" NPT (GAS)

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