HIMOINSA®
THE ENERGY

MODEL
HFW-135 T5
INDUSTRIAL RANGE
Soundproof
Powered by FPT_IVECO

- E10
- WATER-COOLED
- THREE PHASE
- 50 HZ
- STAGE 2
- DIESEL

Generating Rates

SERVICE		PRP	STANDBY
Power	kVA	131	143
Power	kW	105	114
Rated Speed	r.p.m.	1.500	
Standard Voltage	V	400/230	
Available Voltages	V	230 - 230/132	
Rated at power factor	Cos Phi	0,8	

HIMOINSA Company with quality certification ISO 9001
HIMOINSA gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2006/95/EC Low voltage.
- 2004/108/CE Electromagnetic compatibility.
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2005 normative: 1000 mbar, 25ºC, 30% relative humidity.

Prime Power (PRP):
According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):
According to ISO 8528-1:2005, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

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Manufacture facilities:
SPAIN • FRANCE • INDIA • CHINA • USA • BRASIL

Subsidiaries:
ITALY | PORTUGAL | POLAND | GERMANY | SINGAPORE | UAE | MEXICO | PANAMÁ | ARGENTINA | UK

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Engine Specifications 1.500 r.p.m.

ENGINE		PRP	STANDBY
Rated Output	kW	114,2	126
Manufacturer		FPT_IVECO	
Model		NEF67TM2A	
Engine Type		Diesel 4 strokes-cycle	
Injection Type		Direct	
Aspiration Type		Turbocharged and aftercooled	
Ciylinders Arrangement		6 - L	
Bore and Stroke	mm	104 x 132	
Displacement	L	6,7	
Cooling System		Liquid (water + 50% glycol)	
Lube Oil Specifications		ACEA E3 - E5	
Compression Ratio		17,5 : 1	
Fuel Consumption StandBy	l/h	32	
Fuel Consumption 100% PRP	l/h	29,3	
Fuel Consumption 80 % PRP	l/h	24,1	
Fuel Consumption 50 % PRP	l/h	15,8	
Lube Oil Consumption Full Load		0,5 % of fuel consumption	
Total oil capacity including tubes, filters	L	17,2	
Total Coolant Capacity	L	25,5	
Governor	Type	Mechanical	
Air Filter	Type	Dry	
Inner diameter exhaust pipe	mm	70	

Generator

Generator		
Poles	Num	4
Winding Conections (standard)		Star-serie
Frame Mounting		S-3 11"1/2
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP23
Exciter System		self-excited, brushless
Voltage Regulator		A.V.R. (Electronic)
Bearing		Single bearing
Coupling		Flexible disc
Coating type		Standard (Vacuum impregnation)

ISO 9001
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Application Data

Exhaust System		
Maximum exhaust temperature	ºC	467,8
Exhaust Gas Flow	Kg/s	0,194
Maximum allowed back pressure	kPa	5
Exhaust Flange Size (external diameter)	mm	120
Heat evacuated through exhaut pipe	KCal/Kwh	628,8

Air Inlet System		
Intake Air Flow	m3/h	559
Cooling Air Flow	m3/s	3,2
Alternator fan air flow	m3/s	0,514

Starting System		
Starting Motor	kW	3
Starting Motor	CV	4,08
Recommended Battery Capacity	Ah	100
Auxiliary Voltage	Vcc	12

Fuel System		
Fuel Oil Specifications		Diesel
Fuel Tank	L	450
Other Fuel tank capacity	L	600, 1.100

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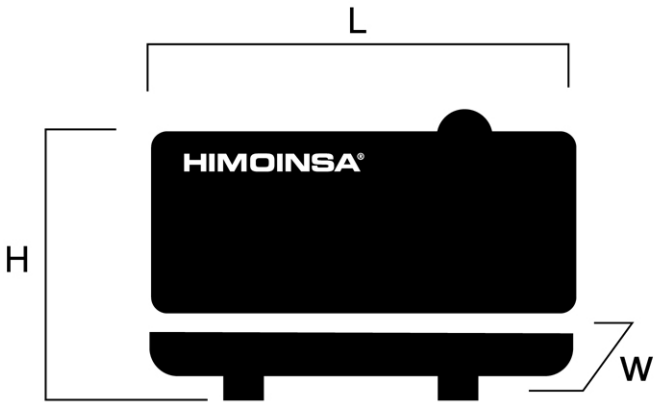
Dimensions



E10	Weight and Dimensions		
(L)	Length	mm	3.300
(H)	Height	mm	1.956
(W)	Width	mm	1.200
	Maximum shipping volume (standard suplier)	m3	7,75
(*)	Wet weight	Kg	2.362
	Fuel tank capacity	L	450
	Autonomy	Hours	19
	Sound pressure level	dB(A)@7m	68 ± 2,3

(*) (with standard accesories)

STANDARD VERSION (Steel tank)

Himoinsa has the right to modify any characteristic without prior notice.
Weights and dimensions based on standard products. Illustrations may include optional equipment.
Technical data described here correspond with the available information at the moment of printing.
Industrial design under patent.

Local Distributor

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Dimensions of other available versions

Weight and Dimensions		
(L) Length	mm	3.300
(H) Height	mm	1.956
(W) Width	mm	1.200
Maximum shipping volume (standard suplier)	m3	7,75
(*) Wet weight	Kg	2.479
Fuel tank capacity	L	600
Autonomy	Hours	25
Sound pressure level	dB(A)@7m	68 ± 2,3

(*) (with standard accesories)

HIGH CAPACITY VERSION (Steel tank)

Weight and Dimensions		
(L) Length	mm	3.300
(H) Height	mm	2.179
(W) Width	mm	1.200
Maximum shipping volume (standard suplier)	m3	8,63
(*) Wet weight	Kg	2.582
Fuel tank capacity	L	1.100,0
Autonomy	Hours	46
Sound pressure level	dB(A)@7m	68 ± 2,3

(*) (with standard accesories)

HIGH CAPACITY VERSION (Steel tank)

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Generating Sets Standard and Optional Features

Engine

· Diesel engine
· 4 strokes-cycle
· Water-cooled
· 12V Electrical system
· Radiator with blowing fan
· water separator decanting filter (no visible level)
· Mechanical governor
· Dry air cleaner
· Hot parts protection
· Moving parts protection

Optional :
· Sender WT
· Senders OP
· Radiator coolant level sender

Alternator

· Self-excited and Self-regulated
· 4 poles
· AVR governor
· IP23 protection degree
· Insulation H class
· Single drive-shaft
· Flexible disc coupling

Electrical system

· Electric control panel with measurements devices and control display (according to necessity and configuration)
· 4 poles circuit breaker
· Battery charger (standard on automatic control panels)
· Pre-heating resistance (standard on automatic control panels) / water jacket heater
· Battery charger alternator with ground connection
· Starting battery/ies installed and connected to the engine (supports included)
· Ground connection electrical installation with connection ready for ground pike (not supplied)

Optional :
· Battery isolator

Soundproofed version

· Steel made chassis

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Generating Sets Standard and Optional Features

Soundproofed version

- Oil sump extraction kit
- Versatility to assemble high capacity metallic fuel tank chassis
- Antivibration shock absorber
- Fuel tank
- Fuel level sender
- Emergency stop button
- Sound attenuated canopy made of high quality steel metal.
- High mechanical strenght
- Low noise level
- Attenuation through high density rock wool material
- Epoxy Powder coating
- Easy acces for service mainteance
- Reinforced lifting eye to lift by crane
- Bunded chassis (works as liquids retention tray)
- Drain fuel tank cap
- Drain chassis cap
- Chasis ready for future mobile kit installation
- Steel made residential silencer -35db(A) attenuation.

Optional :
- 3 way valve fuel filling (available in 1/2" and 3/8" fittings)
- Fuel transfer pump

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