



HIMOINSA



MODEL
HFW-135 T5
 INDUSTRIAL RANGE
 Standard soundproofing
 Powered by FPT_IVECO

- E10
- WATER-COOLED
- THREE PHASE
- 50 HZ
- STAGE 3A
- DIESEL

Generating Rates



SERVICE		PRP	STANDBY
Power	kVA	132	145
Power	kW	105	116
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	

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HIMOINSA UK Company with quality certification ISO 9001

HIMOINSA UK gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2002/88/EC & 2004/26/EC)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2005 normative: 1000 mbar, 25°C, 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

G2 class load acceptance in accordance with ISO 8528-5:2013

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Engine Specifications 1.500 r.p.m.

ENGINE		PRP	STANDBY
Rated Output	kW	113,5	125
Manufacturer		FPT_IVECO	
Model		NEF67TM1F	
Engine Type		4-stroke diesel	
Injection Type		Direct	
Aspiration Type		Turbocharged and after-cooled	
Number of cylinders and 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	33,3	
Fuel Consumption 100% PRP	l/h	30,5	
Fuel Consumption 80 % PRP	l/h	25	
Fuel Consumption 50 % PRP	l/h	17,7	
Lube oil consumption with full load		0,1 % 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	

Generator

Generator		
Manufacturer		MECC ALTE
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		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)
Bracket type		Single bearing
Coupling system		Flexible disc
Coating type		Standard (Vacuum impregnation)



Application Data

Exhaust System		
Maximum exhaust temperature	°C	498
Maximum allowed back pressure	kPa	5
Exhaust Flange Size (external diameter)	mm	120
Heat dissipated by exhaust pipe	KCal/Kwh	560

Necessary Amount Of Air		
Intake air flow	m ³ /h	470,5
Cooling Air Flow	m ³ /s	3,2
Alternator fan air flow	m ³ /s	0,322

Starting System		
Starting power	kW	3
Starting power	CV	4,08
Recommended battery	Ah	180
Auxiliary Voltage	Vdc	12

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



Dimensions



E10 Weight and Dimensions		
(L) Length	mm	3.300
(H) Height	mm	1.956
(W) Width	mm	1.200
Maximum shipping volume	m ³	7,75
(*) Weight with liquids in radiator and sump	kg	2.155
Fuel tank capacity	L	450
Autonomy	Hours	18
Sound pressure level	dB(A)@7m	68 ± 2,3

(*) (with standard accessories)

STANDARD VERSION (Steel tank)

Filial UK has the right to modify any feature without prior notice.
 Weights and dimensions based on standard products. Illustrations may include optional equipment.
 Technical data described in this catalogue correspond to the available information at the moment of printing.
 Industrial design under patent.

Local Distributor



Dimensions of Other Available Versions

<i>Weight and Dimensions</i>		
(L) Length	mm	3.300
(H) Height	mm	1.956
(W) Width	mm	1.200
Maximum shipping volume	m ³	7,75
(*) Weight with liquids in radiator and sump	kg	2.250
Fuel tank capacity	L	600
Autonomy	Hours	24
Sound pressure level	dB(A)@7m	68 ± 2,3
(*) (with standard accessories)		

HIGH CAPACITY VERSION (Steel tank)

<i>Weight and Dimensions</i>		
(L) Length	mm	3.300
(H) Height	mm	2.179
(W) Width	mm	1.200
Maximum shipping volume	m ³	8,63
(*) Weight with liquids in radiator and sump	kg	2.410
Fuel tank capacity	L	1.100,0
Autonomy	Hours	44
Sound pressure level	dB(A)@7m	68 ± 2,3
(*) (with standard accessories)		

HIGH CAPACITY VERSION (Steel tank)



Generator set features

Engine

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Radiator with blower fan
- Water separator filter (no visible level)
- Mechanical governor
- Dry air filter
- Hot parts protection
- Moving parts protection
- Optional :
 - HTW sender
 - LOP sender
 - Radiator water level sensor

Alternator

- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation
- Single drive-shaft
- Flexible disc coupling

Electrical system

- Electric control and power panel with measurements devices and control unit (according to necessity and configuration)
- 4-pole thermal magnetic circuit breaker
- Battery charger (standard on gensets with automatic control panels)
- Heating resistor (standard on sets with automatic control panels)
- Battery charger alternator with ground connection
- Starter battery/ies installed (cables and bracket included)
- Ground connection electrical installation with connection ready for ground spike (not supplied)
- Optional :
 - Battery isolator

Soundproofed version

- Steel chassis





Generator set features

Soundproofed version

- Anti-vibration shock absorbers
 - Fuel tank
 - Fuel level gauge
 - Emergency stop button
 - Bodywork made from high quality steel plate
 - High mechanical strength
 - Low level of noise emissions
 - Soundproofing provided by high-density volcanic rock wool
 - Epoxy polyester powder coating
 - Full access for maintenance (water, oil and filters, no need to remove the bonnet)
 - Reinforced lifting hooks for crane hoisting
 - Watertight chassis (acts as a double barrier against liquid retention)
 - Fuel tank drain plug
 - Chassis drain plug
 - Chassis ready for future mobile kit installation
 - Steel residential silencer -35db(A) attenuation.
 - Oil sump extraction kit
 - Versatility to assemble a high capacity chassis with a metallic fuel tank
 - IP Protection according to ISO 8528-13:2016
- Optional :
- 3-way valve fuel filling (available in 1/2" and 3/8" fittings)
 - Fuel transfer pump