








# HIMOINSA



MODEL  
**HFW-600 T5**  
 INDUSTRIAL RANGE  
 Standard soundproofing  
 Powered by FPT\_IVECO

-  H1
-  WATER-COOLED
-  THREE PHASE
-  50 HZ
-  NON REQUIRED 97/68
-  DIESEL

## Generating Rates



SERVICE		PRP	STANDBY
Power	kVA	598	657
Power	kW	478	525
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 Company with quality certification ISO 9001

HIMOINSA 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 8528-5:2005

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





## Engine Specifications 1.500 r.p.m.

ENGINE		PRP	STANDBY
Rated Output	kW	504	556
Manufacturer		FPT_IVECO	
Model		CR16 TE1W	
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	141 x 170	
Displacement	L	15,9	
Cooling System		Liquid (water + 50% glycol)	
Lube Oil Specifications		ACEA E3 - E5	
Compression Ratio		16,5:1	
Fuel Consumption Standby	l/h	128,6	
Fuel Consumption 100% PRP	l/h	115,12	
Fuel Consumption 80 % PRP	l/h	91,98	
Fuel Consumption 50 % PRP	l/h	58,49	
Lube oil consumption with full load		0,2 % of fuel consumption	
Total oil capacity including tubes, filters	L	38	
Total coolant capacity	L	66,5	
Heat dissipated by coolant	kW	200	
Governor	Type	Electrical	
Air Filter	Type	Dry	

## Generator

Generator		
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-1 14"
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	557
Maximum allowed back pressure	kPa	7
Exhaust Flange Size (external diameter)	mm	160
Heat dissipated by exhaust pipe	kW	378

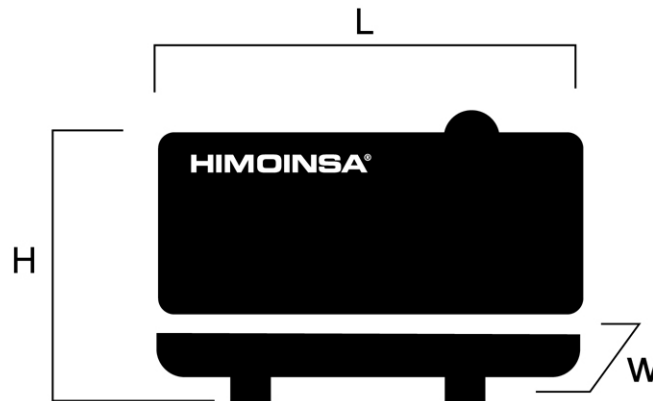
Necessary Amount Of Air		
Intake air flow	m <sup>3</sup> /h	2630
Cooling Air Flow	m <sup>3</sup> /s	10,53
Alternator fan air flow	m <sup>3</sup> /s	1,035

Starting System		
Starting power	kW	5,5
Starting power	CV	7,48
Recommended battery	Ah	185
Auxiliary Voltage	Vdc	24

Fuel System		
Fuel Oil Specifications		Diesel
Fuel Tank	L	740
Other fuel tank capacities	L	2.090



## Dimensions



<b>H1</b> Weight and Dimensions		
(L) Length	mm	4.500
(H) Height	mm	2.340
(W) Width	mm	1.800
Maximum shipping volume	m <sup>3</sup>	18,95
(*) Weight with liquids in radiator and sump	kg	5.305
Fuel tank capacity	L	740
Autonomy	Hours	8
Sound pressure level	dB(A)@7m	79 ± 2,3

(\*) (with standard accessories)

STANDARD VERSION (Steel tank)

Himoinsa 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	4.500
(H) Height	mm	2.740
(W) Width	mm	1.800
Maximum shipping volume	m <sup>3</sup>	22,19
(*) Weight with liquids in radiator and sump	kg	5.916
Fuel tank capacity	L	2.090,0
Autonomy	Hours	23
Sound pressure level	dB(A)@7m	79 ± 2,3

(\*) (with standard accessories)

HIGH CAPACITY VERSION (Steel tank)



## Generator set features

### Engine

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 24V electrical system
- Radiator with blower fan
- Water separator filter (no visible level)
- Electronic governor
- HTW bulbs
- LOP bulbs
- Radiator water level sensor
- Dry air filter
- Hot parts protection
- Moving parts protection

### 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 isolator
- Adjustable earth leakage protection (time & sensitivity) standard in M5 and AS5, with thermal magnetic protection
- 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)



## Generator set features

### Soundproofed version

- Steel chassis
  - Oil sump extraction kit
  - Versatility to assemble a high capacity chassis with a metallic fuel tank
  - 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.
- Optional :
- 3-way valve fuel filling (available in 1/2" and 3/8" fittings)
  - Fuel transfer pump



# HIMOINSA

MODEL  
**HFV-600 T5**  
INDUSTRIAL RANGE  
Standard soundproofing  
Powered by FPT\_IVECO

## PDF Summary

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