



**HIMOINSA®**  
THE ENERGY

Model: **HHW-65 T5**

INDUSTRIAL RANGE

Soundproof

Powered by HIMOINSA



C10



WATER-COOLED



THREE PHASE



50 HZ



NON COMPLYING 97/68/EC



DIESEL

## Generating Rates



SERVICE		PRP	STANDBY
Power	kVA	61	68
Power	kW	49	54
Rated Speed	r.p.m.	1.500	
Standard Voltage	V	400	
Available Voltages	V	230 - 230/132 - 400/230 V	
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, 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

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## Engine Specifications 1.500 r.p.m.

ENGINE		PRP	STANDBY
Rated Output	kW	53	59
Manufacturer		HIMOINSA	
Model		4HD38 TI5	
Engine Type		Diesel 4 strokes-cycle	
Injection Type		Direct	
Aspiration Type		Turbocharged and aftercooled	
Cylinders Arrangement		4 - L	
Bore and Stroke	mm	102 x 118	
Displacement	L	3,857	
Cooling System		Liquid (water + 50% glycol)	
Lube Oil Specifications		API CF4, SAE 15W40	
Compression Ratio		17,5:1	
Fuel Consumption StandBy	l/h	16,8	
Lube Oil Consumption Full Load		0,5 % of fuel consumption	
Total oil capacity including tubes, filters	L	13	
Governor	Type	Electrical	
Air Filter	Type	Dry	





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## 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		Standar (Vacuum impregnation)





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## Application Data

### Exhaust System

Maximum exhaust temperature	°C	550
Exhaust Gas Flow	m <sup>3</sup> /min	10,4
Maximum allowed back pressure	kPa	6,5
Exhaust Flange Size (external diameter)	mm	89

### Air Inlet System

Intake Air Flow	m <sup>3</sup> /h	234
Cooling Air Flow	m <sup>3</sup> /s	2
Alternator fan air flow	m <sup>3</sup> /s	0,197

### Starting System

Starting Motor	kW	4,5
Starting Motor	CV	6,12
Recommended Battery Capacity	Ah	150
Auxiliary Voltage	Vcc	24

### Fuel System

Fuel Oil Specifications		Diesel
Fuel Tank	L	130
Other Fuel tank capacity	L	400



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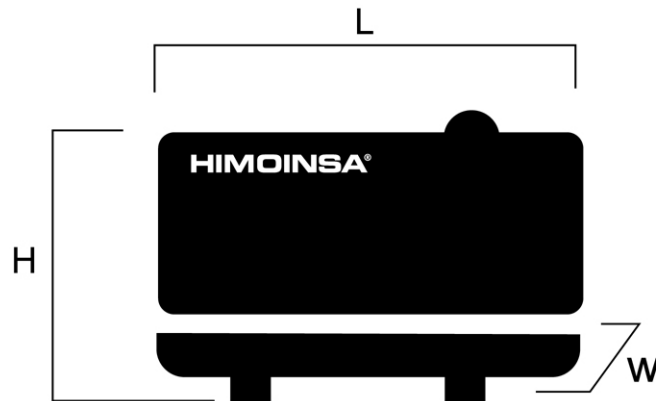
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## Dimensions



C10 Weight and Dimensions		
(L) Length	mm	2.300
(H) Height	mm	1.458
(W) Width	mm	1.050
Shipping Volume seaworthy (standard supplier)	m <sup>3</sup>	3,52
(*) Wet weight	Kg	1.360
Fuel tank capacity	L	130,0
Sound Level	Db(A)@7m	63

(\*) (with standard accessories)

STANDARD VERSION (Plastic tank)

Himoinsa reserves the right to modify any characteristic without prior notice.  
Weights and dimensions based on products standar. 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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## Another measures/dimensions of available versions

Weight and Dimensions		
(L) Length	mm	2.300
(H) Height	mm	1.628
(W) Width	mm	1.050
Shipping Volume seaworthy (standard supplier)	m3	3,93
(*) Wet weight	Kg	1.474
Fuel tank capacity	L	400,0
Sound Level	Db(A)@7m	63

(\*) (with standard accessories)

HIGH CAPACITY VERSION (Steel tank)





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## Generating Sets Standard and Optional Features

### Engine

- Diesel engine
- 4 strokes-cycle
- Water-cooled
- 24V Electrical system
- Radiator with blowing fan
- water separator decanting filter (no visible level)
- Electronic governor
- Sender WT
- Senders OP
- Dry air cleaner
- Hot components and radiator guards
- Mobile components guards
- Optional :
  - Low water level sensor

### Alternator

- Self-excited and Self-regulated
- IP23 protection degree
- Insulation H class

### Electrical system

- Control and power electric panel, with measurements devices and controller (according to necessity and configuration)
- 4 poles circuit breaker
- Electrical control panel with earth leakage protection
- Battery charger (standard on automatic control panels)
- Pre-heating resistance (standard on automatic control panels) / water jacket heater
- Battery charge 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 disconnecter

### Soundproofed version

- Steel made chassis
- Oil sump extraction kit





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## Generating Sets Standard and Optional Features

### Soundproofed version

- Versatility to assemble high capacity metallic fuel tank chassis
  - Antivibration shock absorber
  - Chassis with integrated fuel tank
  - Fuel level sensor
  - Emergency stop button
  - Sound attenuated canopy made of high quality steel metal.
  - High mechanical strength
  - Low noise level
  - Attenuation through high density rock wool material
  - Powder coating
  - Easy access for service maintenance
  - Reinforced lifting eye to lift by crane
  - Bunded chassis (works as liquids retention tray)
  - Drain fuel tank cap
  - Drain chassis cap
  - Chassis 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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## PDF Summary

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