



HIMOINSA®
THE ENERGY

MODEL
HFW-500 T5
INDUSTRIAL RANGE
Standard soundproofing
Powered by FPT_IVECO



- G1
- WATER-COOLED
- THREE PHASE
- 50 HZ
- NON COMPLYING 97/68/EC
- DIESEL

Generating Rates



SERVICE		PRP	STANDBY
Power	kVA	501	539
Power	kW	401	432
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)
- 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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Engine Specifications 1.500 r.p.m.

ENGINE		PRP	STANDBY
Rated Output	kW	425	459
Manufacturer		FPT_IVECO	
Model		C13TE7	
Engine Type		4-stroke diesel	
Injection Type		Direct, common rail	
Aspiration Type		Turbocharged and after-cooled	
Number of cylinders and arrangement		6 - L	
Bore and Stroke	mm	135 x 150	
Displacement	L	12,88	
Cooling System		Liquid (water + 50% glycol)	
Lube Oil Specifications		ACEA E3 - E5	
Compression Ratio		16,5 : 1	
Fuel Consumption Standby	l/h	112,6	
Fuel Consumption 100% PRP	l/h	100,6	
Fuel Consumption 80 % PRP	l/h	80,2	
Fuel Consumption 50 % PRP	l/h	51,5	
Lube oil consumption with full load		0,5 % of fuel consumption	
Total oil capacity including tubes, filters	L	32	
Total coolant capacity	L	38,1	
Heat dissipated by coolant	kW	199,5	
Governor	Type	Electrical	
Air Filter	Type	Dry	
Inner diameter exhaust pipe	mm	108	

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	520
Maximum allowed back pressure	kPa	5
Exhaust Flange Size (external diameter)	mm	140
Heat dissipated by exhaust pipe	KCal/Kwh	581

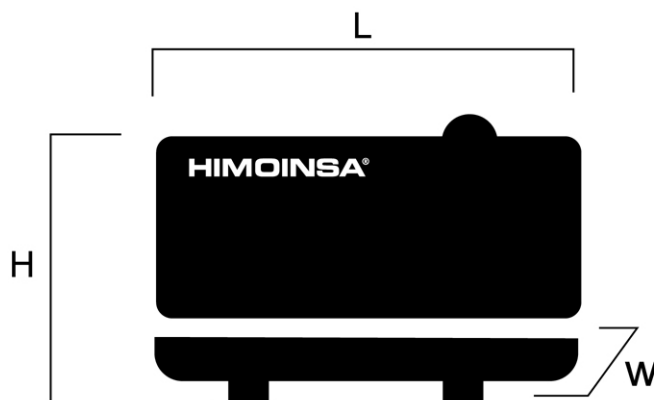
Necessary Amount Of Air		
Intake air flow	m3/h	1576
Cooling Air Flow	m3/s	6,8
Alternator fan air flow	m3/s	1,035

Starting System		
Starting power	kW	7,8
Starting power	CV	10,61
Recommended battery	Ah	180 x 2
Auxiliary Voltage	Vdc	24

Fuel System		
Fuel Oil Specifications		Diesel
Fuel Tank	L	597
Other fuel tank capacities	L	1.660



Dimensions



G1 Weight and Dimensions		
(L) Length	mm	4.100
(H) Height	mm	2.200
(W) Width	mm	1.600
Maximum shipping volume	m ³	14,43
(*) Weight with liquids in radiator and sump	Kg	4.707
Fuel tank capacity	L	597
Autonomy	Hours	7
Sound pressure level	dB(A)@7m	69 ± 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	4.100
(H) Height	mm	2.600
(W) Width	mm	1.600
Maximum shipping volume	m3	17,06
(*) Weight with liquids in radiator and sump	Kg	5.342
Fuel tank capacity	L	1.660,0
Autonomy	Hours	21
Sound pressure level	dB(A)@7m	69 ± 2,3

(*) (with standard accessories)

HIGH CAPACITY VERSION (Steel tank)



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PDF Summary

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http://www.himoinsa.com/generating-sets/999_22/diesel-generator-hfw-500_t5-fpt_iveco-50hz-industrial-range-prp_501kva.aspx

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