HIMOINSA
A YANMAR COMPANY

MODEL

HBW-1500 T5

INDUSTRIAL RANGE
Container
Powered by BAUDOUIN

- 40FT-HC
- WATER-COOLED
- THREE PHASE
- 50 HZ
- DIESEL

Generating Rates

SERVICE		PRP	ESP
Power	kVA	1550	1660
Power	kW	1240	1328
Rated Speed	r.p.m.	1.500	
Main voltage	V	400/230	
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.
- 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 8528-1:2020 normative: 1000 mbar, 25ºC, 30% relative humidity.

Limited-time running power (LTP):
According to ISO ISO 8528-1:2020, 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 ISO 8528-1:2020, 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

"Class G2" performance according to the load impact test according to ISO 8528-5:2020

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Engine Specifications 1.500 r.p.m.

ENGINE		PRP	ESP
Rated Engine Output	kW	1307	1407
Manufacturer		BAUDOUIN	
Model		12M33G1650.5	
Engine Type		4-stroke diesel	
Injection Type		Direct	
Aspiration Type		Turbocharged and after-cooled	
Number of cylinders and arrangement		12-V	
Bore and Stroke	mm	150 x 185	
Displacement	L	39,2	
Cooling System		Liquid (water + 50% glycol)	
Lube Oil Specifications		API CI-4 or ACEA E7	
Compression Ratio		15 : 1	
Lube oil consumption with full load		0,3 % of fuel consumption	
Total oil capacity including tubes, filters	L	160	
Total coolant capacity	L	83	
Governor	Type	Electrical	
Air Filter	Type	Dry	

Generator

Generator		
Manufacturer		STAMFORD
Poles	No.	4
Connection type (standard)		Star
Mounting type		S-0 18"
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP23
Exciter system		Brushes
Voltage regulator		A.V.R. (Electronic)
Bracket type		Single bearing
Coupling system		Elastic Coupling
Coating type		Standard (Vacuum impregnation)

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Application Data

Exhaust System		
Maximum exhaust temperature	ºC	550
Exhaust Gas Flow	m^3/min	318,5
Maximum allowed back pressure	mbar	75

Necessary Amount Of Air		
Cooling Air Flow	m^3/s	35
Alternator fan air flow	m^3/s	2,71

Starting System		
Starting power	kW	8,5 x 2
Starting power	CV	11,56 x 2

Fuel System		
Fuel Oil Specifications		Diesel
Fuel Tank	L	2.000
Fuel Consumption ESP	l/h	354,2
Fuel Consumption 100% PRP	l/h	324
Fuel Consumption 70 % PRP	l/h	218,58
Fuel Consumption 50 % PRP	l/h	156,1

ISO 9001 SYSTEM CERTIFICATION
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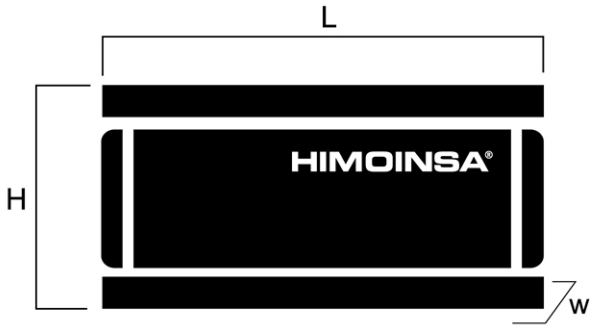
Dimensions



40 hc	Weight and Dimensions		
(L)	Length	mm	12.190
(H)	Height	mm	2.900
(W)	Width	mm	2.440
	Maximum shipping volume	m^3	86,26
(*)	Weight with liquids in radiator and sump	kg	Ask
	Fuel tank capacity	L	2.000,0
	Autonomy (70% PRP)	Hours	9
	Autonomy (100% PRP)	Hours	6
	Sound pressure level	dB(A)@7m	0 ± 2,4

(*) (with standard accessories)

STANDARD VERSION

Himoinsa China 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

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Generator set features

Engine

· Oil temperature sensor
· Low coolant level sensor
· Exhaust gas compensator
· Diesel engine
· 4-stroke cycle
· Water-cooled
· 24V electrical system
· Standard air filter
· Standard fuel filter
· Standard oil filter
· Radiator with pusher fan
· HTW sender
· LOP sender
· Hot parts protection
· Moving parts protection

Alternator

· Self-excited and self-regulated
· 4 poles
· AVR governor
· IP23 protection
· H class insulation

Container version

· Soundproofing provided by high-density volcanic rock wool
· High mechanical resistance
· Low level of noise emissions
· Door with window to visualize control panel, alarms and measurements
· Reinforced lifting points for crane hoisting and lower ones for transportation by forklift
· Residential steel silencer with -35dB attenuation and tilting cap in the exhaust
· Fuel tank integrated in the chassis
· Anti-vibration shock absorbers
· Steel chassis

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Generator set features

Container version

- Manual oil extraction pump
- Robust construction designed for continuous or emergency applications
- Stainless steel fittings
- Emergency stops
- Easy access to the power connection
- Reinforced chassis for heavy range
- Easy access for chassis cleaning
- Silent-block with anti-corrosion protection between the genset and the chassis
- Easy access to fill radiator through the roof

Electrical System Container

- Control panel and emergency stop button
- Power panel
- Battery charger (standard on automatic control panels)
- Water Jacket Heater with single phase pump
- Battery charge alternator with ground connection
- Starter battery/ies installed (cables and bracket included)
- Ground connection electrical installation with connection ready for ground spike (not supplied)
- Power panel with safety protection in output terminals box (open thermal magnetic protection and alarm)
- Maintenance-free and anti-explosion battery
- Battery isolator

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PDF Summary

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