HIMOINSA
A YANMAR COMPANY

MODEL
HBW-1500 T5
INDUSTRIAL RANGE
Open Skid
Powered by BAUDOUIN

- OPEN SKID
- 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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Nº 10 FENGMING ROAD, SOUTH PART OF WUJIN, HI-TECH INDUSTRIAL DEVELOPMENT ZONE
CHANGZHOU 213164 JIANGSU PROVINCE P.R. CHINA

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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	0
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

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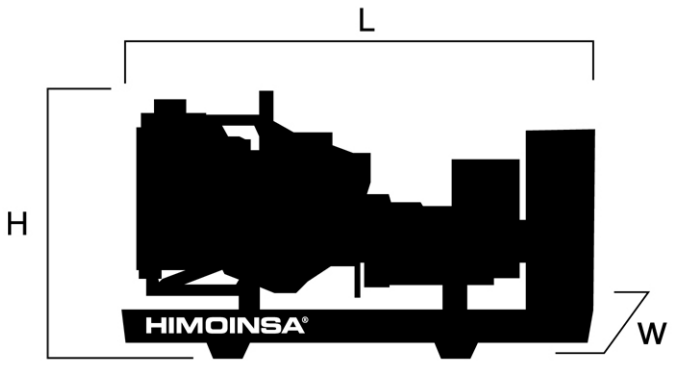
Dimensions



Weight and Dimensions		
(L) Length	mm	Ask
(W) Width	mm	Ask
(*) Weight with liquids in radiator and sump	kg	Ask

(*) (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

ISO 9001 SYSTEM CERTIFICATION
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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

Electrical system

- Electric control and power panel with measurements devices and control unit (according to necessity and configuration)
- Connection panel wired to the safety protection (open thermal magnetic protection and alarm)
- Maintenance-free and anti-explosion battery
- Battery Switch
- Battery charger (standard on gensets with automatic control panels)
- Water Jacket Heater with single phase pump
- 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)

Open set version

- Steel chassis
- Emergency stop button
- Oil sump extraction kit
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- Fuel tank drain plug

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PDF Summary

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