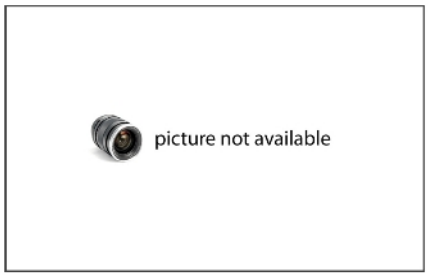
HIMOINSA
A YANMAR COMPANY

HRSW-550 S5

RENTAL RANGE
Powered by SCANIA



SERVICE		PRP
POWER	kVA	550
POWER	kW	440
RATED SPEED	r.p.m.	1.500
STANDARD VOLTAGE	V	400/230
AVAILABLE VOLTAGES	V	230/115 · 230 V (t) ·
RATED AT POWER FACTOR	Cos Phi	0,8

RENTAL RANGE

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 2012/46/EU)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Prime Power (PRP):
According to ISO 8528-1:2018, 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 8528-1:2018, 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 8528-5:2018

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Manufacture facilities:
SPAIN • FRANCE • INDIA • CHINA • USA • BRAZIL • ARGENTINA

Subsidiaries:
PORTUGAL | POLAND | GERMANY | UK | SINGAPORE | UAE | PANAMA | DOMINICAN REPUBLIC | ARGENTINA | ANGOLA | SOUTH AFRICA

SOUNDPROOFED RENTAL

- WATER-COOLED
- THREE PHASE
- 50 HZ
- STAGE V
- DIESEL

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.

The illustrations and images are indicative and may not coincide in their entirety with the product.

Industrial design under patent.

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Engine Specifications | 1.500 r.p.m.

Rated Engine Output (PRP)	kW	468
Manufacturer		SCANIA
Model		DC16.320A(02.63)
Engine Type		4-stroke diesel
Injection Type		Direct
Aspiration Type		Turbocharged and after-cooled
Number of cylinders and arrangement		90° V8
Displacement	L	16,4
Cooling System		Water
Lube Oil Specifications		ACEA E6, ACEA E9, API CJ-4

Fuel Consumption 100% PRP	l/h	114
Fuel Consumption 75 % PRP	l/h	86
Fuel Consumption 50 % PRP	l/h	57
Total oil capacity	L	48
Governor	Type	Electrical
Air Filter	Type	Dry

- DEF Tank
- Diesel engine
- 4-stroke cycle
- Water-cooled
- 24V electrical system
- Water separator filter (visible level)
- Dry air filter
- Radiator with pusher fan
- Radiator water level sensor
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection

Generator Specifications | STAMFORD

Manufacturer		STAMFORD
Model		HCI544D
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)

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

ISO 9001
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WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	4.980
Height (H)	mm	2.550
Width (W)	mm	1.900
Maximum shipping volume	m³	24,13
Weight with liquids in radiator and sump		Ask
Fuel tank capacity	L	999
Autonomy	Hours	12
		Steel tank

SOUND PRESSURE

Sound pressure level	dB(A)@7m	75 ± 2,4

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	ºC	480
Heat dissipated by exhaust pipe	kW	341

NECESSARY AMOUNT OF AIR

Alternator fan air flow	m³/s	1,035

STARTING SYSTEM

Starting power	kW	7
Starting power	CV	9,52
Auxiliary Voltage	Vdc	24

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank	L	999

GAS POST-TREATMENT SYSTEM

Adblue Tank Capacity	l	60
Adblue consumption 100%	l/h	9,69
Adblue consumption 75%	l/h	7,08

Soundproofed version

- Steel chassis
- Tilting cap in the exhaust
- Chassis with integrated fuel tank
- Fuel level gauge
- External emergency stop switch
- Bodywork made from high quality steel plate
- High mechanical strength
- Soundproofing provided by high-density volcanic rock wool
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Reinforced lifting hooks for crane hoisting
- Chassis drain plug
- 3 way valve for external fuel supply (available in 1/2" and 3/8" fittings) (Opcional).
- Fuel tank drain plug (Opcional).
- Fuel transfer pump (Opcional).
- Oil sump extraction kit (Opcional).
- Emergency stop button (double emergency stop protection: Interior on the panel + Exterior on the bodywork) (Opcional).

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FEATURES OF THE CONTROL UNITS

		CEM 7
Generator Readings	Voltage between phases	•
	Voltage between neutral and phase	•
	Current intensities	•
	Frequency	•
	Apparent power (Kva)	•
	Active power (Kw)	•
	Reactive power (kVAr)	•
	Power factor	•
Mains Readings	Voltage between phases	
	Voltage between phases and neutral	
	Current intensities	
	Frequency	
	Apparent power	
	Active power	
	Reactive power	
	Power factor	
Engine Readings	Coolant temperature	•
	Oil pressure	•
	Fuel level (%)	•
	Battery voltage	•
	R.P.M.	•
	Battery charge alternator voltage	•
Engine Protections	High water temperature	•
	High water temperature by sensor	•
	Low water temperature by sensor	•
	Low oil pressure	•
	Low oil pressure by sensor	•
	Low water level	•
	Unexpected shutdown	•
	Fuel storage	•
	Fuel storage by sensor	•
	Stop failure	•
	Battery voltage failure	•
	Battery charge alternator failure	•
	Overspeed	•
	Underspeed	•
	Start failure	•
	Emergency stop	•

• Standard ⓞ Optional

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		CEM 7	
Alternator Protections	High frequency	•	
	Low frequency	•	
	High voltage	•	
	Low voltage	•	
	Short-circuit	•	
	Asymmetry between phases	•	
	Incorrect phase sequence	•	
	Inverse power	•	
	Overload	•	
	Genset signal drop	•	
Counters	Total hour counter	•	
	Partial hour counter	•	
	Kilowatt meter	•	
	Starts valid counters	•	
	Starts failure counters	•	
	Maintenance	•	
Communications	RS232	ⓞ	
	RS485	ⓞ	
	Modbus IP	ⓞ	
	Modbus	ⓞ	
	CCLAN	ⓞ	
	Software for PC	ⓞ	
	Analogue modem	ⓞ	
	GSM/GPRS modem	ⓞ	
	Remote screen	ⓞ	
	Tele signal	ⓞ (8 + 4)	
	J1939	ⓞ	
Features	Alarm history	•	(100)
	External start	•	
	Start inhibition	•	
	Mains failure start		
	Start under normative EJP	•	
	Pre-heating engine control	•	
	Genset contactor activation	•	
	Mains & Genset contactor activation		
	Fuel transfer control	•	
	Engine temperature control	•	
	Manual override	•	
	Programmable alarms	•	
	Genset start function in test mode	•	
	Programmable outputs	•	
	Multilingual	•	
Special Functions	GPS Positioning	ⓞ	
	Synchronisation	ⓞ	
	Mains synchronization	ⓞ	
	Second Zero elimination	ⓞ	
	RAM7	ⓞ	
	Remote screen	ⓞ	

• Standard ⓞ Optional

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CONTROL PANELS

NOT PICTURE

M5

Digital manual Auto-Start control panel and thermal magnetic protection (depending on current and voltage) and differential with CEM7.

Digital control unit CEM7

Electrical system

- Battery Switch
- Socket boxes with 2x16A (2Ph), 1x16A (3Ph), 1x32A (3Ph) y 1x63A (3Ph)
- Adjustable earth leakage protection (time & sensitivity) standard in M5 and AS5, with thermal magnetic protection
- 4-pole thermal magnetic circuit breaker
- 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)
- Battery charger (standard on gensets with automatic control panels) (Opcional).
- Heating resistor (standard on sets with automatic control panels) (Opcional).

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