HIMOINSA
A YANMAR COMPANY

HRSW-405 S5

RENTAL RANGE
Powered by SCANIA

SERVICE		PRP
POWER	kVA	400
POWER	kW	320
RATED SPEED	r.p.m.	1.500
STANDARD VOLTAGE	V	400/230
AVAILABLE VOLTAGES	V	230/132 · 230 V (t) ·
RATED AT POWER FACTOR	Cos Phi	0,8

SOUNDPROOFED RENTAL

GS5R — GS5R

WATER-COOLED

THREE PHASE

50 HZ

STAGE V

DIESEL

Outputs

400 volt

2 x Powerlocks (loose cable + quick connect) **No1**

1 x terminal strip (loose cable) **No 2**
terminal strip located inside cabinet

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 Output (PRP)	kW	344
Manufacturer		SCANIA
Model		DC13.320A(02.62)
Engine Type		4-stroke diesel
Injection Type		Direct
Aspiration Type		Turbocharged
Number of cylinders and arrangement		6-L
Bore and Stroke	mm	130 x 160
Displacement	L	12,7
Cooling System		Coolant
Lube Oil Specifications		ACEA E6, ACEA E9, API CJ-4
Compression Ratio		21,3:1

Fuel Consumption 100% PRP	l/h	80,4
Fuel Consumption 75 % PRP	l/h	59,1
Fuel Consumption 50 % PRP	l/h	40,8
Lube oil consumption with full load	g/kWh	0,3
Total oil capacity	L	36
Total coolant capacity	L	38
Heat dissipated by coolant	kW	117
Governor	Type	Electrical
Air Filter	Type	Dry

- 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 | MECC ALTE

Manufacturer		MECC ALTE
Model		ECO40 1S/4 B
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
- IP23 protection
- H class insulation

ISO 9001
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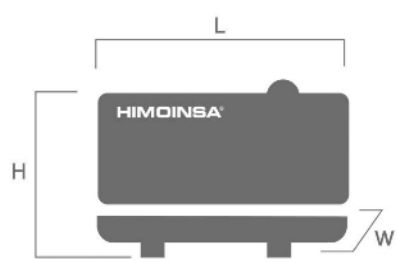
WEIGHT AND DIMENSIONS

		Standard Version
Length Without Control Panel (L)	mm	Ask
Length With Control Panel (L)	mm	4.780
Height (H)	mm	1.700
Width (W)	mm	2.377
Weight with liquids in radiator and sump	Kg	Ask
Fuel tank capacity	L	910
Autonomy	Hours	15
		Plastic tank



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	460
Maximum allowed back pressure	mbar	431
Heat dissipated by exhaust pipe	kW	236

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	958
Alternator fan air flow	m³/s	0,9

STARTING SYSTEM

Starting power	kW	6
Starting power	CV	8,16
Auxiliary Voltage	Vdc	24

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank	L	910

Soundproofed version

- Steel chassis
- Manhole to fill the radiator
- Pre-installation or niche to house the quick connection hydraulic fittings for fuel transfer
- Anti-leakage chassis, predisposed to retain liquids (retention tray)
- High capacity fuel tank, with contention base and easy external filling
- Manhole for fuel tank cleaning and drainage
- Manhole for chassis cleaning
- Oversized chassis to protect the bodywork
- Slide carriage and brackets for transportation with forklift
- Tilting cap in the exhaust
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- Bodywork made from high quality steel plate
- High mechanical strength
- Low noise emissions level
- Soundproofing provided by high-density volcanic rock wool
- Epoxy polyester powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Reinforced lifting hooks for crane hoisting
- Steel residential silencer -35db(A) attenuation.
- Oil sump extraction kit
- External filling of the fuel tank with safety key
- Emergency stop button (double emergency stop protection: Interior on the panel + Exterior on the bodywork)
- Mechanized for power cable output
- Door with window to visualize control panel, alarms and measurements
- Pressure locks
- IP Protection according to ISO 8528-13:2016
- 3 way valve for external fuel supply (available in 1/2" and 3/8" fittings) (Opcional).
- Fuel transfer pump (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	• (10) / (opc. +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

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

- M5 control panel with electronic CEM7 control unit and switched emergency stop
- Power panel with built-in circuit breaker plates
- Safety relay in output terminal board (thermal magnetic trip and alarm in control unit)
- Battery Switch
- 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)

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