



SERVICE		PRP	ESP
POWER	kVA	450	491
POWER	kW	360	393
RATED SPEED	r.p.m.	1.500	
MAIN VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230 V (t) 380/220	
RATED AT POWER FACTOR	Cos Phi	0,8	



INDUSTRIAL 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)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2020 normative: 1000 mbar, 25°C, 30% relative humidity.

Prime Power (PRP):

According to 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 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

Continuous Power (COP): According to Standard ISO 8528-1:2020, this is the maximum power available for continuous loads for unlimited running hours a year between the maintenance times recommended by the manufacturer under the environmental conditions established by the same.

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

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STANDARD SOUNDPROOFING



H1



WATER-COOLED



THREE PHASE



50 HZ



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.






Engine Specifications | 1.500 r.p.m.

Rated Engine Output (PRP)	kW	391
Rated Engine Output (ESP)	kW	432
Manufacturer	BAUDOUIN	
Model	6M21G500.5	
Engine Type	4-stroke diesel	
Injection Type	Direct	
Aspiration Type	Turbocharged and after-cooled	
Number of cylinders and arrangement	6-L	
Bore and Stroke	mm	127 x 165
Displacement	L	12,54
Cooling System	Liquid (water + 50% glycol)	
Lube Oil Specifications	API CI-4 or ACEA E7	
Compression Ratio	16:1	

Lube oil consumption with full load	0,2 % of fuel consumption	
Total oil capacity including tubes, filters	L	32
Total coolant capacity	L	55
Governor	Type	Electrical
Air Filter	Type	Dry
Inner diameter exhaust pipe	mm	160


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- Diesel engine
 - 4-stroke cycle
 - Water-cooled
 - 24V electrical system
 - Water separator filter (no 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	ECO40.2S4C	
Poles	No.	4
Connection type (standard)	Star - Parallel	
Mounting type	S-1 14"	
Insulation	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)	

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

WEIGHT AND DIMENSIONS

		Standard Version	High Capacity version
Length (L)	mm	4500	4500
Height (H)	mm	2340	2740
Width (W)	mm	1800	1800
Maximum shipping volume	m ³	18,95	22,19
Weight with liquids in radiator and sump	Kg	4818	5429
Fuel tank capacity	L	740	2090
Autonomy (70% ESP)	Hours	10	27
Autonomy (100% ESP)	Hours	7	19

Steel tank

Steel tank



SOUND PRESSURE

Sound pressure level	dB(A)@7m	78 ± 2,4
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APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	580
Exhaust Gas Flow	m ³ /min	99
Maximum allowed back pressure	mbar	120
Exhaust Flange Size (external diameter)	mm	160

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	1722
Cooling Air Flow	m ³ /s	9,17
Alternator fan air flow	m ³ /s	0,9

FUEL CONSUMPTION

Fuel Consumption ESP	l/h	110,31
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FUEL SYSTEM

Fuel Oil Specifications		Diesel
Maximum power suction pump	mm Hg	375
Maximum return feed pump	mm Hg	375
Fuel Tank	L	740
Other fuel tank capacities	L	2.090

STARTING SYSTEM

Starting power	KW	8,5
Starting power	CV	11,56
Recommended battery	Ah	50 x 2
Auxiliary Voltage	Vdc	24



Soundproofed version

- Steel chassis
- Anti-vibration shock absorbers
- Fuel tank
- Fuel level gauge
- External emergency stop switch
- 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
- Watertight chassis (acts as a double barrier against liquid retention)
- Fuel tank drain plug
- Chassis drain plug
- Chassis ready for future mobile kit installation
- Oil sump extraction kit
- Versatility to assemble a high capacity chassis with a metallic fuel tank
- IP Protection according to ISO 8528-13:2016
- 3 way valve for external fuel supply (available in 1/2" and 3/8" fittings) (Optional).
- Fuel transfer pump (Optional).



Control Panels



M5

Control panel with CEM8 Auto-Start controller, thermal-magnetic and earth leakage relay (according to voltage and frequency).

*Non-contractual image. The product may vary depending on the configuration.

CEM8 Controller

Advanced control unit for generator sets that combines an intuitive user experience with advanced generator management, incorporating connectivity and intelligent functions that optimise operation and maintenance:

- Intuitive interface and optimised navigation, with configurable dashboard.
- Connectivity and IoT for remote monitoring and intelligent management (depending on version).
- Maximum flexibility: compact or distributed mounting and configurable I/O. Compatible with Stage V and Tier 4 Final engines.
- Safety and reliability: safe engine shutdown and protection against overload and overtemperature.
- Industrial integration: buses (CAN, Ethernet, USB, RS485) and protocols (J1939, Modbus, SNMP).

Data Sheet CEM8





AS5

Automatic panel WITHOUT transfer switch and WITHOUT mains control with CEM8 unit. (*) AS5 as optional with CEAB unit. Automatic panel without transfer switch and WITH mains control.

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CEM8 Controller

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Data Sheet CEM8



Data Sheet CEAB



AS5 + CC2

Automatic panel WITH transfer switch and with mains control. The display will be on the genset and on the cabinet.

*Non-contractual image. The product may vary depending on the configuration.

CEM8 Controller

Advanced control unit for generator sets that combines an intuitive user experience with advanced generator management, incorporating connectivity and intelligent functions that optimise operation and maintenance:

- Intuitive interface and optimised navigation, with configurable dashboard.
- Connectivity and IoT for remote monitoring and intelligent management (depending on version).
- Maximum flexibility: compact or distributed mounting and configurable I/O. Compatible with Stage V and Tier 4 Final engines.
- Safety and reliability: safe engine shutdown and protection against overload and overtemperature.
- Industrial integration: buses (CAN, Ethernet, USB, RS485) and protocols (J1939, Modbus, SNMP).

Data Sheet CEM8



Data Sheet CEC8





CC2

Himoinsa Switching cabinet WITH display.

*Non-contractual image. The product may vary depending on the configuration.

Data Sheet CEC8



Electrical system

- Electric control and power panel with measurements devices and control unit (according to necessity and configuration)
- Battery Switch
- Adjustable earth leakage protection (time & sensitivity) standard in M5 and AS5, with thermal magnetic protection
- Battery charger (standard on gensets with automatic control panels)
- Heating resistor (standard on sets with automatic control panels)
- 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)