



SERVICE		PRP	ESP *
POWER	kVA	111	124
POWER	kW	89	99
RATED SPEED	r.p.m.	1.500	
MAIN VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	200/115 · 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	

* ESP power only available on special engine configurations. Consult Gas Commercial Engineering

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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)
- 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

Continuous Power (COP): According to Standard ISO 8528-1:2018, 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 8528-5:2018

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SOUNDPROOFED RENTAL



D10RG



WATER-COOLED



THREE PHASE



50 HZ



LPG

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.

* ESP power only available on special engine configurations. Consult Gas Commercial Engineering



Engine Specifications | 1.500 r.p.m.

Rated Engine Output (PRP)	kW	96,2
Rated Engine Output (ESP) *	kW	107,7
Manufacturer	PSI	
Model	8.8L NA	
Engine Type	4-stroke Otto Cycle	
Injection Type	Carburization	
Aspiration Type	Natural	
Number of cylinders and arrangement	8-V	
Bore and Stroke	mm	110,5 x 114,3
Displacement	L	8,8
Cooling System	Coolant	
Lube Oil Specifications	API ≥SM, SAE 5W30	
Compression Ratio	10,1:1	

Total oil capacity including tubes, filters	L	7,6
Heat dissipated by coolant	kW	43,3
Governor	Type	Electrical
Air Filter	Type	Dry



- LPG-liquefied petrol gas engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Dry air filter
- Radiator with pusher fan
- Electronic governor
- Hot parts protection
- Moving parts protection
- HTW sender (Optional).
- LOP sender (Optional).



Generator Specifications | MECC ALTE

Manufacturer	MECC ALTE	
Model	ECP34.1M4C	
Poles	No.	4
Connection type (standard)	Star-series	
Mounting type	S-3 11"1/2	
Insulation	Class	H class

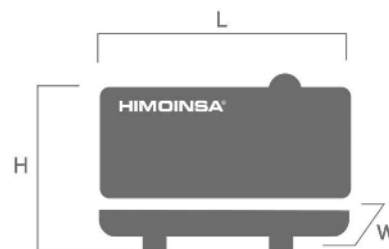
Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)



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

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	2810
Height (H)	mm	2360
Width (W)	mm	1150
Maximum shipping volume	m ³	7,63
Weight with liquids in radiator and sump	Kg	2608
Autonomy (70% ESP)	Hours	Ask
Autonomy (100% PRP)	Hours	Ask



SOUND PRESSURE

Sound pressure level	dB(A)@7m	71 ± 2,4
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APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	705
Exhaust Gas Flow	m ³ /min	18,76
Maximum allowed back pressure	kPa	10,2
Exhaust Flange Size (external diameter)	mm	90

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	348,6
Alternator fan air flow	m ³ /s	0,487

FUEL CONSUMPTION

Fuel Consumption ESP	kg/h	23,9
Fuel Consumption 100% PRP	kg/h	21,8

FUEL SYSTEM

Fuel Oil Specifications	LPG	
Lower heating value (LHV)	kWh/kg	12,88
Composition *	95% Propane	
Fuel supply connection size	Inches	1,5
Fuel supply pressure	mbar	30 - 300
Fuel Tank	L	0

STARTING SYSTEM

Starting power	kW	1,7
Starting power	CV	2,31
Recommended battery	Ah	115
Auxiliary Voltage	Vdc	12



Soundproofed version

- Steel chassis
- Anti-vibration shock absorbers
- 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
- Chassis drain plug
- Steel residential silencer -35db(A) attenuation.
- Oil sump extraction kit
- IP Protection according to ISO 8528-13:2016



Gas ramp

- Manual shut-off valve
- Gas filter
- Double solenoid valve
- Primary pressure regulator
- Secondary pressure regulator (Zero pressure regulator)
- Low pressure switch
- Inlet pressure manometer
- Outlet pressure manometer
- Special Start/Stop sequence
- High pressure regulator (Opcional).
- High pressure switch (Opcional).



FEATURES OF THE CONTROL UNITS

	CEM 7-G
Generator Readings	Voltage between phases •
	Voltage between neutral and phase •
	Current intensities •
	Frequency •
	Apparent power (Kva) •
	Active power (Kw) •
	Reactive power (kVAR) •
	Power factor •
	Low feed pressure •
	Sealing check solenoid valve •
Mains Readings	Voltage between phases
	Voltage between phases and neutral
	Current intensities
	Frequency
	Apparent power
	Active power
	Reactive power
Engine Readings	Power factor
	Coolant temperature •
	Oil pressure •
	Battery voltage •
	R.P.M. •
Engine Protections	Battery charge alternator voltage •
	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 •
	Stop failure •
	Battery voltage failure •
	Battery charge alternator failure •
	Overspeed •
	Underspeed •
	Start failure •
	Emergency stop •

• Standard

Ⓞ Optional

	CEM 7-G	
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	●
Communications	Maintenance	●
	RS232	⓪
	RS485	⓪
	Modbus IP	⓪
	Modbus	⓪
	CCLAN	⓪
	Software for PC	⓪
	Analogue modem	⓪
	GSM/GPRS modem	⓪
	Remote screen	⓪
	Tele signal	⓪ (8 + 4)
Features	J1939	⓪
	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	●
	Engine temperature control	●
	Manual override	●
	Programmable alarms	●
	Genset start function in test mode	●
	Programmable outputs	●
	Multilingual	●
Special Functions	GPS Positioning	⓪
	Synchronisation	⓪
	Mains synchronization	⓪
	Second Zero elimination	⓪
	RAM7	⓪
	Remote screen	⓪

● Standard

⓪ Optional



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

- Electric control and power panel with measurements devices and control unit (according to necessity and configuration)
- 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)
- Battery Switch (Opcional).