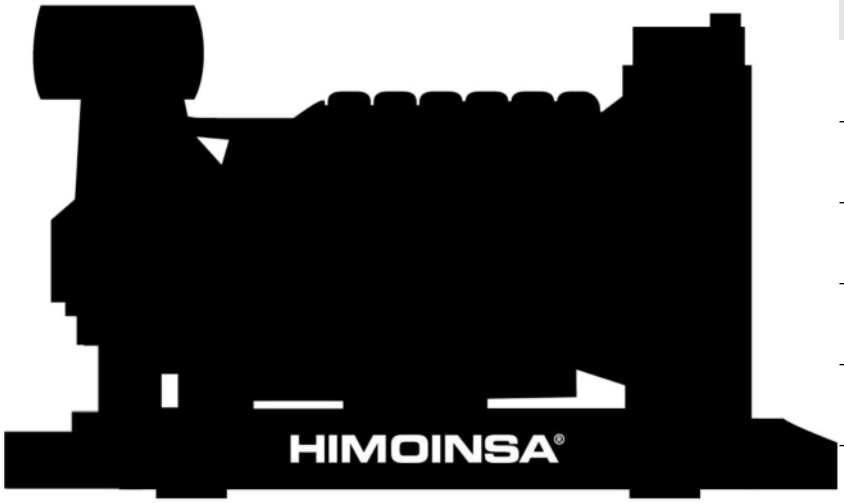
HIMOINSA
A YANMAR COMPANY

HGP-720 T5 NG

INDUSTRIAL RANGE
Powered by PSI



SERVICE		PRP	ESP *
POWER	kVA	716	844
POWER	kW	573	675
RATED SPEED	r.p.m.	1.500	
MAIN VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	200/115 230 V (t) 380/220 415/240	
RATED AT POWER FACTOR	Cos Phi	0,8	

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

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, 25ºC, 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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Manufacture facilities:
SPAIN • FRANCE • INDIA • CHINA • USA • BRAZIL • ARGENTINA

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

OPEN SKID

- OPEN SKID
- WATER-COOLED
- THREE PHASE
- 50 HZ
- NATURAL GAS

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	643
Rated Engine Output (ESP) *	kW	717
Manufacturer		PSI
Model		40L
Engine Type		4-stroke Otto Cycle
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		Coolant
Lube Oil Specifications		SAE 15W40; API CD or CE
Compression Ratio		10,5:1

Total oil capacity	L	146
Total coolant capacity	L	172
Governor	Type	Electrical
Air Filter	Type	Dry

- Natural Gas engine
- 4-stroke cycle
- Water-cooled
- Radiator with pusher fan
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection

Generator Specifications | STAMFORD

Manufacturer		STAMFORD
Model		S6L1D.C4
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-0 18''
Insulation		H class

Enclosure (according IEC-34-5)	IP23
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
- Single drive-shaft

ISO 9001

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WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	4500
Height (H)	mm	2400
Width (W)	mm	2200
Maximum shipping volume	m³	23,76
Weight with liquids in radiator and sump	Kg	Ask
Autonomy (70% PRP)	Hours	Ask
Autonomy (100% PRP)	Hours	Ask

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	639
Exhaust Gas Flow	m³/min	104
Maximum allowed back pressure	kPa	13
Heat dissipated by exhaust pipe	kW	528

FUEL CONSUMPTION

Fuel Consumption ESP	kw	2088
Fuel Consumption 100% PRP	kw	1829
Fuel Consumption 70 % PRP	kw	1350
Fuel Consumption 50 % PRP	kw	1030

FUEL SYSTEM

Fuel Oil Specifications		Natural Gas
Fuel supply connection size	mm	65
Fuel supply pressure	mbar	100 - 300
Fuel Tank	L	0

STARTING SYSTEM

Starting power	kW	10
Starting power	CV	13,6
Recommended battery	Ah	75 x 4
Auxiliary Voltage	Vdc	24

ISO 9001
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Open set version

- Steel chassis
- Emergency stop button
- Anti-vibration shock absorbers
- Steel industrial silencer -15db(A) attenuation
- Steel residential silencer -35db(A) attenuation.

Gas ramp

- Manual shut-off valve
- Gas filter
- Double solenoid valve
- High pressure regulator
- Primary pressure regulator
- Low pressure switch
- High pressure switch
- Valve (tightness) testing system
- Inlet pressure manometer
- Outlet pressure manometer
- Special Start/Stop sequence

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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

ISO 9001

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AS5

Automatic panel WITHOUT transfer switch and WITHOUT mains control with CEM8 unit. (*) AS5 as optional with CEA8 unit. Automatic panel without transfer switch and WITH mains control.

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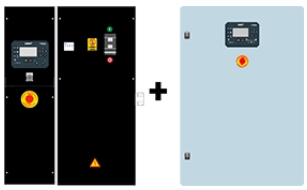
Data Sheet CEM8

Data Sheet CEA8



AS5 + CC2

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

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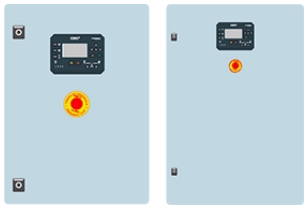
Data Sheet CEM8

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 M12, with thermal magnetic protection
- Battery charger (standard on gensets with automatic control panels)
- Heating resistor (standard on sets with automatic control panels)
- Starter battery/ies installed (cables and bracket included)
- Ground connection electrical installation with connection ready for ground spike (not supplied)