



SERVICE		PRP
POWER	kVA	2349
POWER	kW	1879
RATED SPEED	r.p.m.	1.500
MAIN VOLTAGE	V	400/230
AVAILABLE VOLTAGES	V	380/220 415/240
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)
- 97/68/EC Emissions of gaseous and particulate pollutants.
- 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

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

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## CONTAINER



40FT-HC



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	1975
Manufacturer		YANMAR
Model		12GY175L.PE5F
Engine Type		4-stroke diesel
Injection Type		Direct
Aspiration Type		Turbocharged and after-cooled
Number of cylinders and arrangement		12-V
Bore and Stroke	mm	175 x 215
Displacement	L	62,1
Cooling System		Water
Lube Oil Specifications		SAE 15W-40, API CI-4 or CK-4

Fuel Consumption 100% PRP	l/h	460,83
Fuel Consumption 75 % PRP	l/h	365,02
Fuel Consumption 50 % PRP	l/h	259,81
Fuel Consumption 25 % PRP	l/h	145,77
Lube oil consumption with full load	g/kWh	0,4
Total oil capacity	L	306
Governor	Type	Electrical
Air Filter	Type	Dry



- Oil temperature sensor
- Low coolant level sensor
- Exhaust gas compensator
- Fuel water alarm
- Electric pre-lubrication / oil extraction pump
- Electric fuel priming pump
- Standard air filter
- Standard fuel filter
- Standard oil filter
- Water separator filter (visible level)
- Radiator water level sensor
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection



## Generator Specifications | MECC ALTE

Manufacturer		MECC ALTE
Model		ECO46.2L4A
Poles	No.	4
Connection type (standard)		Star - Parallel
Mounting type		S-00 21"
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)

## WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	12192
Height (H)	mm	2900
Width (W)	mm	2438
Maximum shipping volume	m <sup>3</sup>	86,2
Weight with liquids in radiator and sump	Kg	Ask
Fuel tank capacity	L	500
Autonomy (75%)	Hours	1



## APPLICATION DATA

### EXHAUST SYSTEM

Maximum exhaust temperature	°C	480
Exhaust Gas Flow	m <sup>3</sup> /min	131,7
Maximum allowed back pressure	kPa	3

### NECESSARY AMOUNT OF AIR

Intake air flow	m <sup>3</sup> /h	8200
Alternator fan air flow	m <sup>3</sup> /s	2,25

### STARTING SYSTEM

Starting power	kW	9 x 2
Starting power	CV	12,24 x 2
Auxiliary Voltage	Vdc	24

### FUEL SYSTEM

Fuel Oil Specifications	Diesel	
Fuel Tank	L	500



## Container version

- Soundproofing provided by high-density volcanic rock wool
- High mechanical resistance
- Low level of noise emissions
- Door with window to visualize control panel, alarms and measurements
- Reinforced lifting points for crane hoisting and lower ones for transportation by forklift
- Residential steel silencer with -35dB attenuation and tilting cap in the exhaust
- Fuel tank integrated in the chassis
- Anti-vibration shock absorbers
- Steel chassis
- Robust construction designed for continuous or emergency applications
- Stainless steel fittings
- Emergency stops
- Easy access to the power connection
- Reinforced chassis for heavy range
- Easy access for chassis cleaning
- Silent-block with anti-corrosion protection between the genset and the chassis
- Easy access to fill radiator through the roof
- Electric radiator



## Control Panels

### 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.

Digital control unit CEM8 CEA8



## Electrical System Container

- Control panel and emergency stop button
- Power panel
- Battery charger (standard on automatic control panels)
- Heating resistor (standard on sets with automatic control panels)
- Battery charge alternator with ground connection
- Starter battery/ies installed (cables and bracket included)
- Ground connection electrical installation with connection ready for ground spike (not supplied)
- Maintenance-free and anti-explosion battery
- Battery isolator