



SERVICE		PRP	ESP
POWER	kVA	17,5	19,2
POWER	kW	14	15,4
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

Outputs

230 Volt

2x 230 Volt No1

400 Volt

1x 400 vo 16 Amp No2
1x 400 Vo 32 Amo No3

- B10R
- WATER-COOLED
- THREE PHASE
- 50 HZ
- STAGE V
- 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 Output (PRP)	kW	17,2
Rated Output (ESP)	kW	18,5
Manufacturer	YANMAR	
Model	4TNV88BIHR	
Engine Type	4-stroke diesel	
Injection Type	Direct	
Aspiration Type	Natural	
Number of cylinders and arrangement	4-L	
Bore and Stroke	mm	88 x 90
Displacement	L	2,19
Cooling System	Coolant	
Lube Oil Specifications	SAE 3 class 10W30 / API grade CD,CF	
Compression Ratio	20	

Fuel Consumption ESP	l/h	5,3
Fuel Consumption 100% PRP	l/h	4,7
Fuel Consumption 75 % PRP	l/h	3,7
Fuel Consumption 50 % PRP	l/h	2,3
Lube oil consumption with full load	g/kWh	0,27
Total oil capacity	L	7,4
Total coolant capacity	L	5,5
Governor	Type	Mechanical
Air Filter	Type	Dry



- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter (visible level)
- Dry air filter
- Radiator with pusher fan
- Mechanical governor
- Hot parts protection
- Moving parts protection



Generator Specifications | MECC ALTE

Manufacturer	MECC ALTE	
Model	ECP28.3S4C	
Poles	No.	4
Connection type (standard)	Star-series	
Mounting type	S-4 7,5"	
Insulation	Class	H class

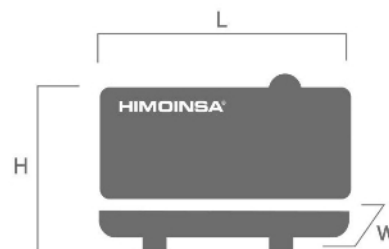
Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)



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

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	2.150
Height (H)	mm	1.329
Width (W)	mm	1.025
Maximum shipping volume	m ³	2,93
Weight with liquids in radiator and sump	Kg	705
Fuel tank capacity	L	100
Autonomy	Hours	27
Plastic tank		



SOUND PRESSURE

Sound pressure level	dB(A)@7m	62 ± 2,4
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APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	480
Exhaust Gas Flow	m ³ /min	4,28
Maximum allowed back pressure	mm H2o	1300
Exhaust Flange Size (external diameter)	mm	65

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	88,7
Cooling Air Flow	m ³ /s	0,8
Alternator fan air flow	m ³ /s	0,11

STARTING SYSTEM

Starting power	kW	1,4
Starting power	CV	1,9
Auxiliary Voltage	Vdc	12

FUEL SYSTEM

Fuel Oil Specifications	Diesel	
Fuel Tank	L	100



Soundproofed version

- Steel chassis
- Manhole to fill the radiator
- Anti-leakage chassis, predisposed to retain liquids (retention tray)
- Manhole for fuel tank cleaning and drainage
- Manhole for chassis cleaning
- 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
- 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
- Steel residential silencer -35db(A) attenuation.
- 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) (Opcional).
- Fuel transfer pump (Opcional).



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

		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	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)	
J1939	⓪		
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	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

- M5 control panel with electronic CEM7 control unit and switched emergency stop
- Safety relay in output terminal board (thermal magnetic trip and alarm in control unit)
- Adjustable earth leakage protection (time & sensitivity) standard in M5 and AS5, with thermal magnetic protection
- 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 (Optional).