



## General Description

### Max Power<sup>1</sup>

136,6 kW ( 170 kVA )

### Prime Power<sup>2</sup>

124,18 kW ( 154,55 kVA )

### Frequency

50 Hz

### Voltage

400 V / 230 V  
230 V

### Current intensity

245,66 Amps.  
427 Amps.

### Fase

3 phas.+neutr.  
3 phas.

## Dimensions and Weights

	Length	Width	Height	Weights
With canopy	2351 mm ( 36,61 in )	930 mm ( 19,09 in )	1150 mm ( 21,61 in )	
Without canopy	2080 mm ( 40,24 in )	862 mm ( 19,09 in )	1070 mm ( 21,61 in )	1410 Kg ( 3108,51 Lbs )

## Engine

Engine Base	Deutz	Bore	108 mm ( 4,25 in )
Solé Diesel engine	SDZ - 280	Stroke	130 mm ( 5,12 in )
Type	4 Type	Compression ratio	17.5:1
RPM Engine	1500	Combustion system	Direct mechanical injection
Number of Cylinders	6	Aspiration	Turbocharged
Displacement	7146 cc	Flywheel housing size	SAE 3
Oil Type	SAE 15W40	Coolant capacity	23 L ( 6,07 Gal )
Oil Capacity	22,5 L ( 5,94 Gal )	Flywheel size	SAE 11 1/2
Output power	153 kW ( 205,17 HP )	Coolant flow rate	141,45 L/Min.( 37,37 Gal/
Raw water flow rate	107,43 L/Min.( 28,38 Gal	Engine combustion air requirements	Min. ) 10,2 m <sup>3</sup> /min

Rating conditions according to ISO 3046 (100 kPa barometric pressure, 30 % relative humidity and 25 °C (77° F)).

\* 1 Maximum Output Power: maximum power supplied by the genset at full load.

\* 2 Prime Power: Rated Power according to ISO 3046 and ISO 8528-1. 10 % overload capacity one hour in twelve hours.

## Fuel System

### Typical Fuel Consumption

<b>25 %</b>	10,4 L/Hs. ( 2,74 Gal/Hs. )
<b>50 %</b>	20 L/Hs. ( 5,28 Gal/Hs. )
<b>75 %</b>	28,5 L/Hs. ( 7,52 Gal/Hs. )
<b>100 %</b>	36,7 L/Hs. ( 9,69 Gal/Hs. )

### Type of fuel

Diesel

### Fuel quality

Diesel ASTM

### Type of regulator

Electrónico EMR2

## Engine Electrical

### Battery voltage

24 V

### Starter motor

4 kW

### Aislado de Masa

Si

### Fuel shutoff solenoid

ETS

### Alternator

55 A

### Tranformadores amperamétricos

Si

## Installation Details

Ø int. Raw water hose (mm) 42 mm ( 1,65 in )

Ø Int. Fuel supply hose (mm) 12 mm ( 0,47 in )

Ø int. Fuel Return hose (mm) 12 mm ( 0,47 in )

Battery capacity (Ah) 24 V 90 Amps/h

Max. recommended fuel lift 1,3 m ( 4,26 ft )

Max. recommended raw water lift 4 m ( 157,48 in )

Raw water maximum temperature 32 ° C ( 89,6 ° F )

Máximun instalation angle (°)\*\*\* 10 °

## Alternator Details

### Brand

Meccalte

### Model

ECO38-1S/4A

### Regulator type

DSR

### # of poles

4

### Insulation Type\*

H

### IP protection\*

23

### Cos φ

0,8

### Tropical Version

Brushless

### Voltage regulation accuracy\*\*

±1%

### Standards

EN60034-1, IEC 60034-1

### Frequency Regulation

Synchronous

## Optional Equipment

- Siphon break kit - mandatory if generator is below waterline
- Service/Cruise Kits: fuel and oil filters, raw water pump, impeller, alternator belt,...
- Dry Exhaust System
- Water Filters
- Welcome Kit

- Double walled pipes and alarm kit
- Fuel filter/water separator
- Fuel Hose
- Exhaust Hose
- Raw water hose
- Sea cock

For other requirements please contact the Sales Dept.

\*Other protections available

\*\* With load from 0 to 100%, speed variation from -2% up to +5%, power factor 0,8 linear and balanced load. \*\*\* In all directions



Welcome Kit



### General Description

- Graphic LCD with light, 128 x 64 pixels display
- Dos indicadores LED
- Genset Measures (see Display Information)
- Configuration protected by password
- Running hour indication
- Multilanguage
- Genset protections (see Alarm Management)
- Preheating function
- D+ pre-excitation Terminal
- CAN bus information output with SAE J1939 protocol
- Dos temporizadores multiuso
- Dimensions 180 x 120 x 55 mm
- Weight 450g

### Alarm Management

#### Apagado (SD)

- High coolant temperature
- Low oil pressure
- Overspeed
- Overload\*
- Short circuit\*
- Overcurrent\*
- Over/Under voltage
- Over/Under frequency
- Emergency stop

#### Warnings (WRN)

- High coolant temperature
- Low oil pressure
- Over/Under voltage
- Maintenance request

#### Sensor Fails (FLS)

### Function Description

- OFF Mode
- MAN Mode (Manual start/stop engine)
- AUT Mode (Auto start/stop engine)

### Power Supply

- Voltage supply 12/24V DC with fuse protection
- Consumption 80/51mA

### Operating Conditions

- Operating temperature -20+70°C
- Humidity 95% Without condensation
- Front Panel Protection IP65

### Standard Conformity

- Low Voltage Directive EN 61010-1:95 +A1:97
- Electromagnetic EN 50081-1:94, EN 50081-2:96
- Compatibility EN 50082-1:99, EN 50082-2:97

### Display Information

#### Measurement

- L1-L3 Voltage (V), Frequency (Hz), Oil Pressure (bar), Coolant Temperature (°C), Battery Voltage (V), RPM, Active Power\* (kW), Apparent Power\* (kVA), Current\* (A), PF\*

#### History log

### Optional Equipment

#### SCO 10 Double panel

- SCO 10 Double panel allows the same operation and functionality as Main SCO 10. They are connected by RS485 port with a communication wire, available in 12/24/36 m.

#### Binary Input/Output extension module

#### IG-IB Internet communication bridge

- For Ethernet/Internet communications

\*The specified function needs the current transformers (Optional Equipment) for showing the information in SCO 10 panel display

## Dimensions

