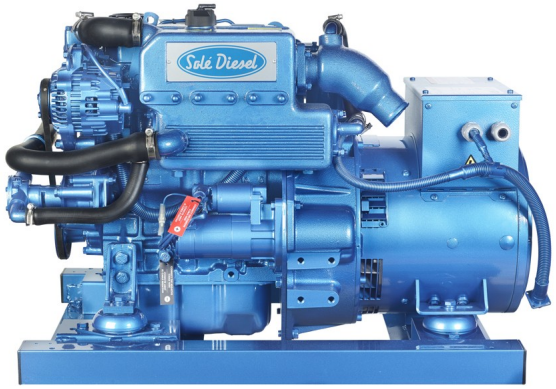


MARINE GENERATORS

14 GTA/GTAC

Three-Phase

General data

Maximum power*	10.9 kW (13.6 kVA)	**Voltage**	480/277 V
Prime Power**	9.9 kW	**Amperage**	16.4 A
Frequency	60 Hz	**Phases**	3

Dimensions and weights

Total length without canopy	885 mm	**Total length with canopy**	1032 mm
Total width without canopy	580 mm	**Total width with canopy**	580 mm
Total height without canopy	609 mm	**Total height with canopy**	668 mm
Dry weight without canopy	264 Kg	**Dry weight with canopy**	300 Kg

Engine

Base engine manufacturer	Mitsubishi	**Diameter**	78 mm (3.07 in)
Model	MINI-33	**Stroke**	92 mm (3.62 in)
Type	Diesel, 4 stroke	**Compression ratio**	22:1
Engine RPM	1800	**Injection system**	Mechanical and indirect
Number of cylinders	3	**Intake system**	Naturally aspirated
Total displacement	1318 cc	**SAE Flywheel housing**	SAE 5
Oil	SAE 15W40	**Coolant capacity**	5.7 L (1.51 gal)
Oil capacity	4 L (1.06 gal)	**Flywheel**	SAE 7 1/2
Power	13.8 kW (18.77 CV)	**Coolant flow rate**	47 l/min (12.42 gal/m)
Salt water flow rate	19.8 l/min (5.23 gal/m)	**Intake air flow rate**	1.1 m3/m
Exhaust type	Wet exhaust elbow	**V-Belt Protection**	Optional

Rating conditions according to ISO 3046 (100 kPa barometric pressure, 30 % relative humidity abd 25 °C (77 ° F))
* Maximum output power: maximum power supplied by the genset at full load
** Prime Power: rated power according to ISO 3046 and ISO 8528-1. 10 % overload capacity one hour in twelve hours.
Fuel system details
1 kW 1,36 CV 1 kW 1,36 HP (metric) 1 kW 1,36 CH
45484 - 7/24

Fuel system details

Consumption 25%	1.7 l/h (0.45 gal)	**Fuel type**	Diesel
Consumption 50%	2.2 l/h (0.58 gal)	**Fuel standards**	Fueloil diesel ASTM
Consumption 75%	3 l/h (0.79 gal)	**Injection pump type**	In line
Consumption 100%	3.8 l/h (1.0 gal)	**Governor type**	Mechanical

Electrical system

Battery voltage	12 V	**Stop solenoid type**	ETR
Starter motor	1.7 kW	**Alternator**	50 A
Earth isolated	Optional	**IP 65 box kit**	Optional
SCO 11 double panel	Optional	**Current transformers**	Optional

Installation details

Exhaust hose inner diameter	50 mm (1.97 in)	**Maximum fuel lift height**	0.3 m (0.98 ft)
Sea water hose inner diameter	20 mm (0.79 in)	**Maximum raw water lift height**	1.5 m (59.06 in)
Fuel feeding hose inner diameter	8 mm (0.31 in)	**Maximum sea water temperature**	32 º (89.6 ºF)
Fuel return hose inner diameter	6 mm (0.24 in)	**Maximum installation angle*** **	25 º
Minimum battery capacity	12 V 65 Ah		

Alternator details

Brand	Sincro	**Cos Phi**	0,8
Model	SK160CA	**Tropicalized**	Yes
Regulator type	BL4	**Excitation system**	Brushless
Number of poles	4	**Voltage regulation accuracy****	1%
Isolation type*	H	**Standards**	EN 60034-1, IEC 60034-1, ISO 8528-3
IP protection	23	**Alternator type**	Síncrono

Standard equipment

4 m electrical wiring extension	SCO 5 control panel
Oil extraction pump	Owner´s and alternator manual
Rigid bed	Packaging
Silentblocks	

Optional accessories

Siphon break kit mandatory if generator is below waterline	Wet Exhaust System
Engine electrical system at 24 V	Water Filters
Service/Cruise Kits: fuel and oil filters, raw water pump, impeller, alternator belt,...	Sea water cock
Dry Exhaust system	Welcome Kit

* 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
For other requirements please contact the Sales Dept.
45484 - 7/24

SCO 5 Panel

General Description

- Graphic LCD with light Display, 128 x 64 pixels
- 3 LED indicators
- Marine genset measures (see display information)
- Marine genset protections (see alarm management)
- Running hour indicator
- Type B USB for programming
- Programming from the same panel
- Universal Interface
- Preheating function
- D+ preexcitation terminal
- CAN bus output with SAEJ1939 protocol
- 2 multipurpose timers
- Dimensions 118x 108 x 43 mm
- Weight 246 g

Alarm Management

- Shutdown (SD)
- High coolant temperature
- Low oil pressure
- Overspeed
- Overload*
- Short circuit*
- Overcurrent*
- Over/Under voltage
- Over/Under frequency
- Emergency stop
- Warnings (WRN)
- Over/Under battery voltage
- Maintenance request
- Sensor Fails (FLS)

Power Supply

- Voltage supply 12/24 DC with fuse protection
- Consumption 60/35 mA

Operating Conditions

- Operating temperature -20+70 °C
- Humidity 95 % without condensation
- Front Panel Protection IP65
- Standard Conformity
- EN 61000-6-2, EN 61000-6-4, EN 61010-1
- EN 60068-2-6 (2÷25 Hz / ±1,6 mm; 25÷100 Hz / 4.0 g)
- EN 60068-2-30:2005 25/55°C, RH 95%, 48hours
- EN 60529 (front panel IP65, back side IP20)

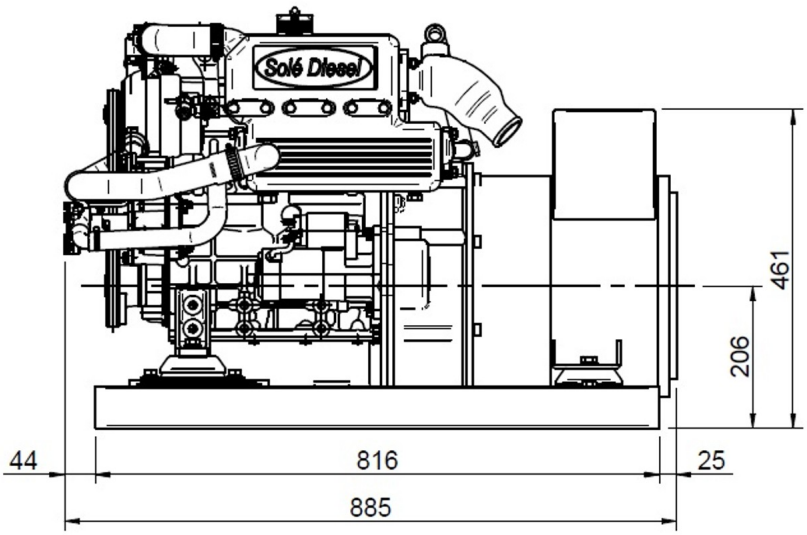
Display Information

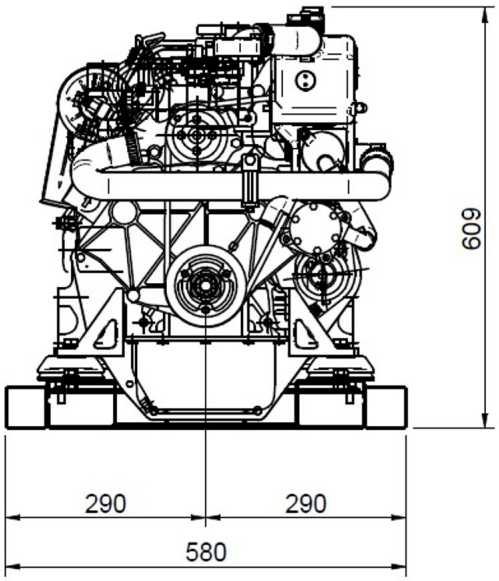
- Measurement
- L1-L3 Voltage (V), Frequency (Hz), Oil Pressure (bar)
- Coolant Temperature (°C), Battery voltage (V), RPM
- Active Power* (kW), Apparent, Power* (kVA), Current* (A), PF*
- History log

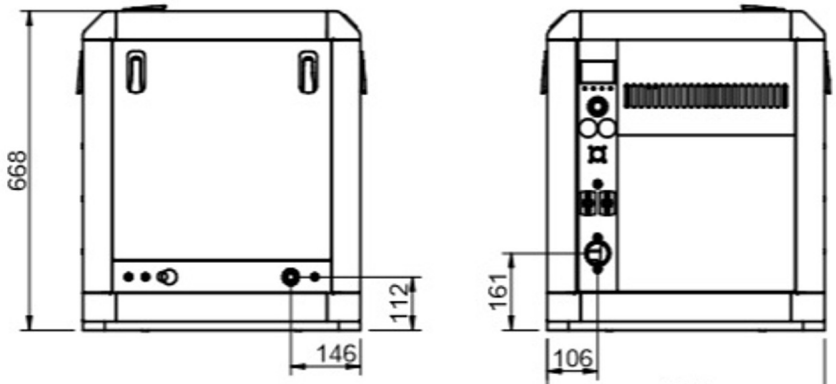
Operating modes

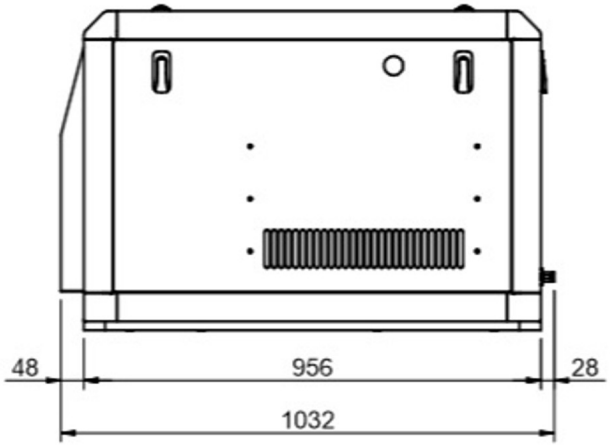
- OFF Mode
- AUT Mode (auto start/stop engine)
- MAN Mode (manual start/stop engine)

Dimensions









Authorized dealer

Detailed drawings, brochures and manuals are available on the web soleadvance.com. All rights reserved.
Technical specifications, data and presentation are subjected to variations, changes and updates without prior notice
Non-contractual information.