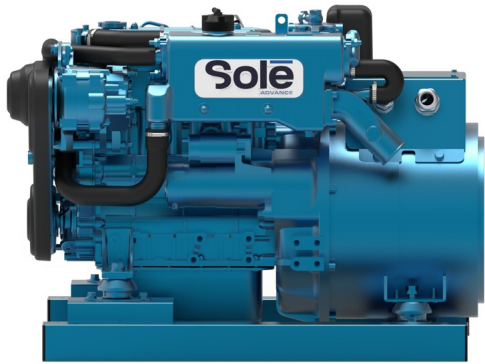




MARINE GENERATORS

8 GSA/GSAC EPA

Single-Phase

General data

Maximum power (2)	7 kWe (7.0 kVA)	Voltage	120/240 V
Prime Power (3)	6.4 kWe (6.4 kVA)	Amperage	29.4 A
Frequency	60 Hz	Phases	1

Dimensions and weights

Total length without canopy	773 mm	Total length with canopy	892 mm
Total width without canopy	560 mm	Total width with canopy	560 mm
Total height without canopy	561 mm	Total height with canopy	608 mm
Dry weight without canopy	198 Kg	Dry weight with canopy	220 Kg

Engine

Base engine manufacturer	Mitsubishi	Diameter	76 mm (2.99 in)
Model	MINI-26	Stroke	70 mm (2.76 in)
Type	Diesel, 4 stroke	Compression ratio	23:1
Engine RPM	1800	Injection system	Mechanical and indirect
Number of cylinders	3	Intake system	Naturally aspirated
Total displacement	952 cc	SAE Flywheel housing	SAE 5
Oil	SAE 15W40	Coolant capacity	3 L (0.79 gal)
Oil capacity	4 L (1.06 gal)	Flywheel	SAE 6 1/2
Power (1)	7.2 kW (9.79 CV)	Coolant flow rate	27 l/min (7.13 gal/m)
Salt water flow rate	17.2 l/min (4.54 gal/m)	Intake air flow rate	0.75 m3/m
Exhaust type	Wet exhaust elbow	V-Belt Protection	Optional
Emission compliance	EPA Tier 4, CARB Tier 4	Speed regulator	Electronic with actuator

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

Fuel system details

Consumption 25%	1.1 l/h (0.29 gal)	Fuel type	Diesel
Consumption 50%	1.8 l/h (0.48 gal)	Fuel standards	Fueloil diesel ASTM
Consumption 75%	2.4 l/h (0.63 gal)	Injection pump type	In line
Consumption 100%	3 l/h (0.79 gal)		

Electrical system

Battery voltage	12 V	Stop solenoid type	ETR
Starter motor	1.2 kW	Alternator	40 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 ° (89.6 °F)
Fuel return hose inner diameter	6 mm (0.24 in)	Maximum installation angle (6)	25 °
Minimum battery capacity	12 V 60 Ah		

Alternator details

Brand	Sincro	Cos Phi	1
Model	SK160SZ1	Tropicalized	Yes
Regulator type	BL4	Excitation system	Brushless
Number of poles	4	Voltage regulation accuracy (5)	1%
Isolation type (4)	H	Alternator type	Synchronous
IP protection	23		
Standards	UL-CSA, EN60034-1, IEC60034-1, ISO8528-3		

Standard equipment

4 m electrical wiring extension	SCO 11 control panel
Oil extraction pump	Owner´s and alternator manual
Rigid bed	Packaging
Anti Vibration Mounts	

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

(4) Other protections available
(5) With load from 0 to 100%, speed variation from -2% up to +5%, power factor 0,8 linear and balanced load.
(6) In all directions
For other requirements please contact the Sales Dept.
46239 - 8/26

SCO 11 Panel



General Description

Graphic LCD with light, 128 x 64 pixels display

Genset measures (see Display Information)

Configuration protected by user and password

Running hour indication

Multilingual

Event history log

Genset protections (see Alarm Management)

Preheating function

D+ pre-excitation Terminal

Built-in PLC function

CAN bus information with SAE J1939 protocol

Maintenance hours control

Dimensions 195 x 135 x 47 mm

Panel cut-out 172 x 112 mm

Weight 450 g

Alarm Management

Shutdown (SD)

Low/High Speed

Overload*

Short Circuit*

Overcurrent*

High/Low Voltage

High/Low Frequency

Emergency Stop

Warnings (WRN)

High engine coolant temperature

Low oil pressure

High/Low Battery Voltage

Maintenance warning

Sensor failure detection (FLS)

MCU Alarm

Power Supply

Voltage supply 12/24 DC with fuse protection

Consumption 80mA (12V) or 51 (24V)

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

Power* (kW)

Apparent Power* (kVA)

Current* (A)

PF*

Historical Log

Alarm History

Operating modes

OFF Mode

AUT Mode (auto start/stop engine)

MAN Mode (manual start/stop engine)

