

Features and Benefits

Solé Diesel Gensets offer compactness, extremely low noise and vibration levels coupled with a high level of build quality.

The aluminium canopy provides the best power to weight ratio possible whilst giving the optimum user friendly operating characteristics possible.

The latest COMAP digital panel that incorporates the CAN system. This protocol, simplifies and economizes the communication between terminals.

All Solé products comply with the latest European Emission Levels and additional certification such as CE, RRR, RMRS, EPA Tier II and BV is available on request.

Solé Diesels now has a market presence in over 50 countries worldwide, which gives a comprehensive after sales service when ever and where ever needed.

The close relationship with global engine suppliers such as Deutz and Mitsubishi ensures that extra level of reliability and support.

Models and F	Rating	S				
Model	kW	kVA Volta	ge Amps	Phase	Hz	Engine RPM
10 GS/GSC	9,4	9,4 230) 41,0	1	50	1500
12 GSA/GSAC	12	12 240) 50,0	1	60	1800

Sound Level, Size and Weight

	Sound level (dB) ¹		Dimensions (r	Weight (Dry) (kg)		
	50 Hz	60 Hz	Lenght	Width	Height	
With Canopy	54	54	1032	580	669	308
Without Canopy			885	580	599	

¹ Full Load at 7 meters

Ratings: Marine ratings per ISO 3046 (100 kPa barometric pressure, 30% relativity and 25 °C temperature)

² Not Available. Please contact the Sales Dept.

www.solediesel.com

(Sole Diese) MARINE GENERATOR SET

- Engine

Engine Specifications

Base		MITSUBISHI	
Solé Engine Model		MINI-33	
Туре		4 stroke	
Cylinder		3	
Displacement		1.318 cc	
Bore and Stroke		78x92 mm	
Compression ratio		22:1	
Injection		Indirect	
Aspiration type		Naturally asp	irated
Lube Oil capacity (L)		4,2	
Oil Type	ACEA E5,	API CH-4/SJ, 1	5W40
Coolant capacity (L)		6,25	
Housing		SAE 5	
Flywheel		SAE 7 1/2	
		50 Hz	60 Hz
RPM		1.500	1.800
Power (Hp / kW)		15.2 / 11.2	18.8 / 13.8
Coolant flow rate (L/min)		40	47
Raw water flow (L/min)		18	21
Engine/generator Air coo	ling	3,8	4,6
requirements (m3/min)			

Typical fuel Consumption

	50 Hz	60 Hz	
25%	1,4	1,8	
50%	2,0	2,6	
75%	2,7	3,3	
100%	3,4	4,2	
Diesel Liters/h at % load			

Alternator

Alternator Details

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Sole Diesel

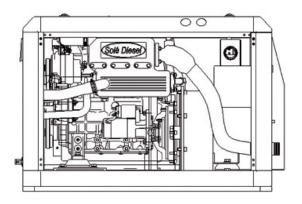
Brand	SINCRO	
Model	SK 160CA1	
Regulator type:	AVR BL4 electronic	
# of poles	4	
Insulation Type*	Н	
IP protection*	23	
Cos phi	1	
Tropicalización	Standard	
Excitation system	Brushless	
Voltage regulation Accuracy**	± 1%	
Standars	EN 60034-1, IEC 60034-1, ISO	8528-3
Frequency Regulation	Synchronous	

s and manuals are available at sole

* 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

Engine Electrical		
Electrical System (V)	12	
Starter Motor (kW)	1,7	
Alternator (A)	50	
Shutdown system	Electrical	
Stop Solenoid Type	ETR	

Installation Details Ø int. Exhaust Hose (mm) 50 Ø int. Raw Water Hose (mm) 20 Ø int. Fuel supply hose (mm) 8 Ø int. Fuel return hose (mm) 6,5 Max. Fuel lift (m) 1 Max. Raw water lift (m) 2,5 Max. Raw water temperature (°C) 35 Maximun instalation angle (°)*** 15 Min. Battery capacity (Ah) 12V / 80 Ah



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(Sole Diese) MARINE GENERATOR SET

Control Panel SCO 10

General Description

- · Graphic LCD with light, 128 x 64 pixels display
- · 2 LED indicators
- · 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
- Two multipurpose timers

Power Supply

· Voltage supply · Consumption

12/24V DC with fuse protection 80/51mA

Operating Conditions

- · Operating temperature
- · Humidity

-20+70°C 95% Without condensation

- · Protection front panel
- · Standard Conformity

Compatibility

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

IP65

EN 50082-1:99, EN 50082-2:97

Function Description

Electromagnetic

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

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
- · Current transformers

Current (A), Active Power (kW), Apparent power (kVA) and PF genset measures

Genset Accesories

- · Siphon break kit mandatory if generator is below waterline
- · Dry Exhaust system
- · Earth isolated system
- · Keel Cooling conversion for dry and wet exhaust
- · Double walled pipes and alarm kit
- · Low coolant level shut down switch



Solé Diesel Digital Display - SCO 10

- · Dimensions 180 x 120 x 55 mm
- Weight 450a

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

Alarm Management

· Isolated transformers

- Voltage transformer unit to separate mains voltage and controller with voltage ratio 1:1.
- · 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
 - · Fuel filter/water separator
 - · Gas/Water Separator
 - · Fuel Hose · Exhaust Hose

 - · Raw water hose
 - · Water Filters
 - · Sea cok

For other requirements please contact the Sales Dept.

www.solediesel.com (Salé Diesel)

· Engine electrical system at 24V Service/Cruise Kits: fuel and oil filters, raw water pump impeller, alternator belt,...

- · Exhaust System

Service/cruise kit

3/4 tailed drawings, leaflets and manuals are available at solediesel.com. 🛛 2015. Solé Diesel. All rights reserved. Texts and specifications are subject to change without notice and without any obligation or liability whatsoeve

