

MARINE GENERATORS

25 GT/GTC

Three-Phase

General data

| | | | |
|-----------------------|--------------------|-----------------|-----------|
| Maximum power* | 19.4 kW (24.3 kVA) | Voltage | 400/230 V |
| Prime Power** | 17.7 kW | Amperage | 35.1 A |
| Frequency | 50 Hz | Phases | 3 |

Dimensions and weights

| | | | |
|------------------------------------|---------|---------------------------------|---------|
| Total length without canopy | 1140 mm | Total length with canopy | 1310 mm |
| Total width without canopy | 610 mm | Total width with canopy | 610 mm |
| Total height without canopy | 662 mm | Total height with canopy | 698 mm |
| Dry weight without canopy | 351 Kg | Dry weight with canopy | 412 Kg |

Engine

| | | | |
|---------------------------------|------------------------|-----------------------------|------------------------|
| Base engine manufacturer | Mitsubishi | Diameter | 88 mm (3.46 in) |
| Model | MINI-63 | Stroke | 103 mm (4.06 in) |
| Type | Diesel, 4 stroke | Compression ratio | 22:1 |
| Engine RPM | 1500 | Injection system | Mechanical and direct |
| Number of cylinders | 4 | Intake system | Naturally aspirated |
| Total displacement | 2505 cc | SAE Flywheel housing | SAE 4 |
| Oil | SAE 15W40 | Coolant capacity | 9.5 L (2.51 gal) |
| Oil capacity | 6.5 L (1.72 gal) | Flywheel | SAE 7 1/2 |
| Power | 21.5 kW (29.24 CV) | Coolant flow rate | 52 l/min (13.74 gal/m) |
| Salt water flow rate | 38 l/min (10.04 gal/m) | Intake air flow rate | 1.65 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

45580 - 10/24

Fuel system details

| | | | |
|-------------------------|---------------------|----------------------------|---------------------|
| Consumption 25% | 2.4 l/h (0.63 gal) | Fuel type | Diesel |
| Consumption 50% | 3.5 l/h (0.92 gal) | Fuel standards | Fueloil diesel ASTM |
| Consumption 75% | 4.75 l/h (1.25 gal) | Injection pump type | In line |
| Consumption 100% | 6.4 l/h (1.69 gal) | Governor type | Mechanical |

Electrical system

| | | | |
|----------------------------|----------|-----------------------------|----------|
| Battery voltage | 12 V | Stop solenoid type | ETR |
| Starter motor | 2 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 | 60 mm (2.36 in) | Maximum fuel lift height | 0.6 m (1.97 ft) |
| Sea water hose inner diameter | 32 mm (1.26 in) | Maximum raw water lift height | 3 m (118.11 in) |
| Fuel feeding hose inner diameter | 8 mm (0.31 in) | Maximum sea water temperature | 32 ° (89.6 °F) |
| Fuel return hose inner diameter | - (- in) | Maximum installation angle*** | 15 ° |
| Minimum battery capacity | 12 V 95 Ah | | |

Alternator details

| | | | |
|------------------------|---------|--------------------------------------|-------------------------------------|
| Brand | Sincro | Cos Phi | 0,8 |
| Model | SK160LA | Tropicalized | Yes |
| Regulator type | BL4 | Excitation system | Brushless |
| Number of poles | 4 | Voltage regulation accuracy** | 1% |
| Isolation type* | H | Alternator type | Synchronous |
| IP protection | 23 | Standards | EN 60034-1, IEC 60034-1, ISO 8528-3 |

Standard equipment

| | |
|---------------------------------|-------------------------------|
| 4 m electrical wiring extension | SCO 5 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 |

* 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.

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) |

Operating modes

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

Power Supply

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

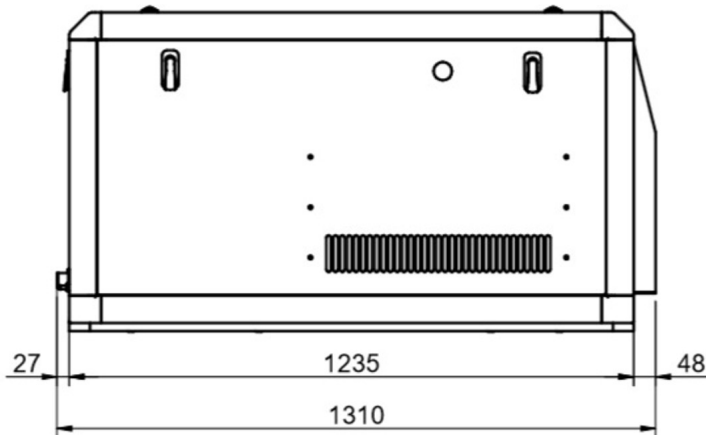
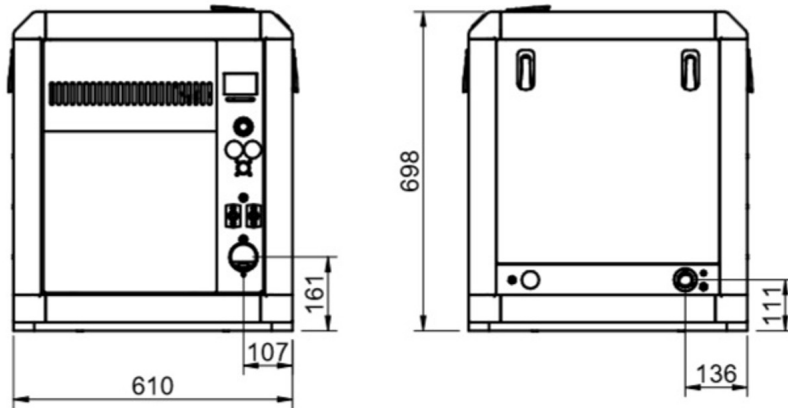
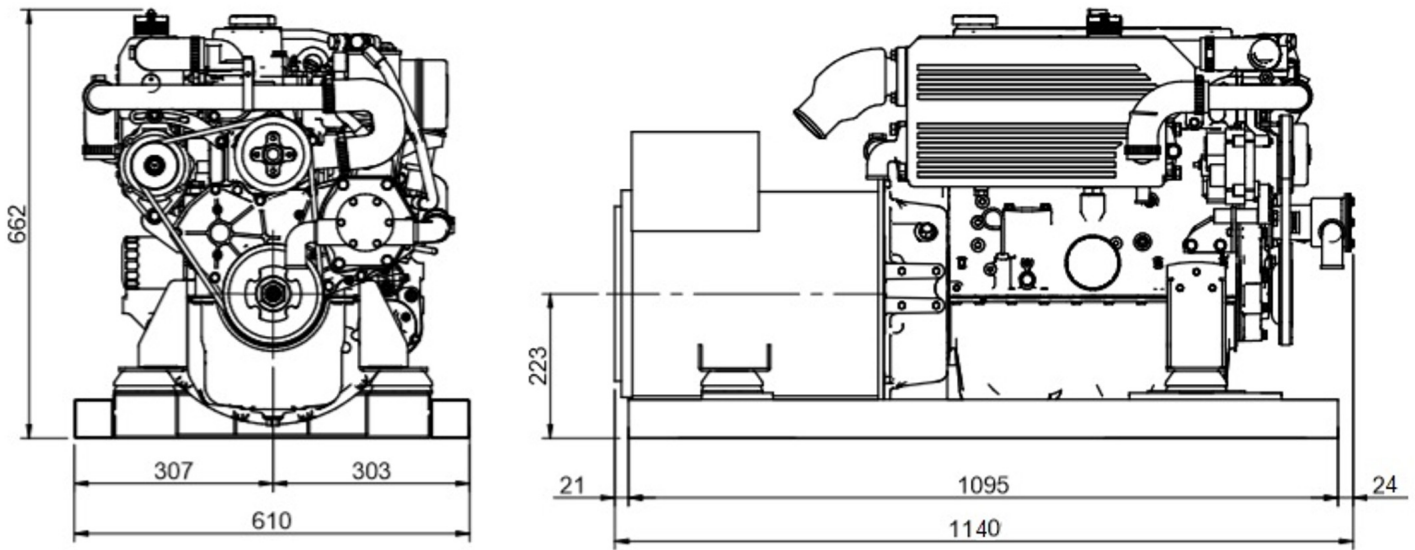
Operating Conditions

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|---|
| 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

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| 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 |

Dimensions



Authorized dealer

