



## Nanni Diesel marine Generating set QMS10M

10 kW max at 1500 rpm

### Engine base

- 4 strokes Diesel engine tested in all marine or industrial applications throughout the world.
- Engine block in cast iron type tunnel and timing gear.

### Injection and combustion system

- The Super Glow System comes as standard equipment to start the engine in cold temperatures.
- The E-TVCS injection system produces an ideal air/fuel mixture by creating three vortexes in the combustion chamber. The combustion efficiency is improved, resulting in low fuel consumption.

### Cooling system

- Cooling is ensured by heat exchange between coolant and seawater in an heat exchanger, or via a Keel Cooling system.
- Seawater pump with rubber impeller.

### Generator

- Delivering a continuous power of 8.8 kW and able to provide up to 10 kW.
- IP21 protection (additional level available on demand).

### Sound shield

- Connexions to the fuel, cooling and electrical circuit in front of the sound enclosure.

### Engine main features

- Kubota base Diesel engine
- 4 cylinders in line
- Closed cooling with heat exchanger
- Safety shutdowns on low oil pressure and high coolant temperature
- Rubber mounts

### Generator main features

- Class H insulation
- 50 Hz
- Voltage accuracy of  $\pm 1.5\%$
- Radio suppression
- Electronic regulator

### Optional Accessories

- Sound shield
- Seawater hoses
- Seawater filter
- Siphon breaker
- Fuel hoses
- Exhaust hoses
- Fuel pre-filter
- Extension by meter

### Genset Ratings

Voltage (V)	Frequency (Hz)	Amperes (A)		Power * (kW)	
		max.	cont.	max.	cont.
230	50	43.5	38.3	10	8.8

### Weight and Dimensions

	Without Sound Shield	With Sound Shield
Dry weight (kg-lb)	244 / 538	291 / 641
Length (mm-in)	925 / 36.4	1050 / 41.33
Width (mm-in)	489 / 19.25	540 / 21.26
Height (mm-in)	620 / 24.4	715 / 28.15

\* Single-phased output with power factor  $\cos \phi = 1$

# Generating set QMS10M

## Engine specifications

Engine base	Kubota
Cycle	4 strokes Diesel
Number of cylinders	4 in line
Displacement (cm <sup>3</sup> -in <sup>3</sup> )	1498 / 91.41
Bore and stroke (mm-in)	78 x 78.4 / 3.07 x 3.08
Combustion system	Indirect (E-TVCS)
Rated rpm	1500
Continuous power at rated rpm (kW)	13.4
Intake	Natural

## Fuel system

Fuel injection pressure (bar)	140
Fuel injection pump	In line, Type Bosch MD mini
Fuel pump priming	Mechanical
Governor type	All speed mechanical

## Cooling system

Seawater pump type	Neoprene rotor
Fresh water pump type	Coaxial alternator driven
Fresh water capacity (l)	5.5
Exhaust manifold	Fresh water cooled
Exhaust elbow	Water injected
Max allowable back pressure (bar)	0.127
Max exhaust gas temperature (°C)	550

## Lubrication system

Oil pan capacity (l)	6.7
Oil type	API-CD mini 15W40
Oil filter	Full flow type filter
Lubrication system	Forced by trochoid pump

## Engine Electrical System

Engine alternator (V-A)	12 - 40
Battery recommended (Ah)	75
Starter motor (V-kW)	12 - 1

## Fuel consumption

Fuel consumption at full load (l/h)	3.3
-------------------------------------	-----

## Air requirements

Combustion air at 25°C (m <sup>3</sup> /h)	60
Flow for the evacuation of radiant heat (m <sup>3</sup> /h)	93

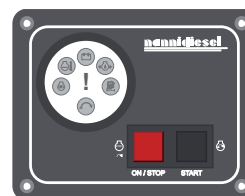
## Installation data

Exhaust connexion (mm-in)	50 - 2
Fuel connexion (mm-in)	8 - 0.31
Fuel pump - Max suction height (m)	0.5 (standard pump) 1.8 (with add. electrical pump)
Sea Water connexion (mm-in)	25 - 1
Engine Operating Angle	15° continuous (30° maxi)

## Instrument panel

To control the generating set, 2 models of instruments panel are available. Robust and easy to use, they bring together the essential functions to operate the generator: button start and stop, warning lights on oil pressure and coolant temperature, preheat warning light and battery charge warning light. The Luxe GE panel is also equipped with an oil pressure indicator and a coolant temperature indicator.

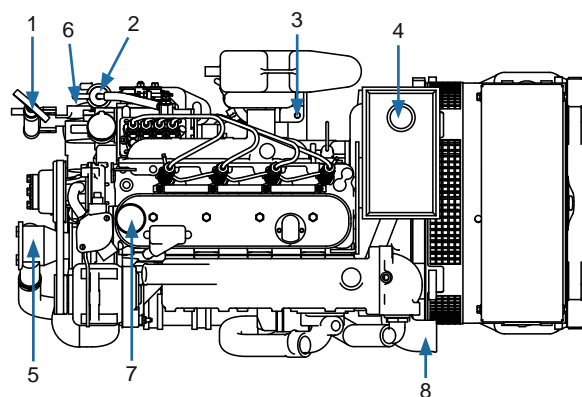
Eco GE



Luxe GE



## Main components



1. Oil drain pump
2. Fuel feed pump
3. Fuel filter
4. Expansion tank
5. Seawater pump
6. Oil filter
7. Oil filling
8. Exhaust elbow

## Nanni Industries S.A.S. France

11, Avenue Mariotte-Zone Industrielle

33260 La Teste France

Tel : + 33 (0)5 56 22 30 60

Fax : +33 (0)5 56 22 30 79

www.nannidiesel.com

Research programme  
sponsored by the Aquitaine  
Regional Council



Your dealer