

Generating Set Nanni QMF6M

5 kW max at 3000 rpm

Engine base

- The QMF6M is equipped with the N2.10, a sturdy and efficient Kubota base engine, tested in all marine or industrial applications throughout the world.
- The E-TVCS combustion and injection system considerably reduces particulate emission and smoke while dramatically improving fuel efficiency.

Cooling system

- The engine and the alternator are cooled thanks to a system coolant/seawater that bring to this generator set a maximal life span and a smooth functioning.

Sound shield

- The soundproof is completely made in polyester dust painted marine aluminium (Alloy 5754 H111), with support structure to the which are applied five panels complete with retractable locking levers easily removable. This gives the Generating Set a maximum threshold of 54 dB at 7 meters - the equivalent of a dishwasher.
- Electric connections, water inlet and outlet joints as well as the exhaust pipe are integrated into the cocoon.

Generator set ratings

Voltage (V)	Frequency (Hz)	Amperes (A)		Power * (kW)	
		max	cont.	max	cont.
230	50	21.7	20	5	4.6

Single-phased output with power factor $\cos \phi = 1$
*Continuous COP and max LTP power rating according to ISO 8528-1

Weight and dimensions

Dry weight (kg)	128
Length (mm)	650
Width (mm)	480
Height (mm)	530



Engine main features

- Kubota base Diesel engine
- 2 cylinders in line
- Closed cooling with heat exchanger
- E-TVCS combustion system

Generator main features

- Class H insulation
- 50 Hz
- Voltage regulation of $\pm 5\%$
- Radio interference suppression
- Brushless excitation

Standard equipment

- Instrument panel harness 8 meters
- Closed cooling with heat exchanger
- Wet exhaust
- 12V Single-pole electrical system
- Safety shutdowns on low oil pressure and high coolant temperature
- Eco GE panel
- Rubber mounts

Optional equipment

- Seawater hoses
- Seawater filter
- Siphon breaker
- Fuel feed system piping
- Exhaust system
- Fuel prefilter
- Additional electric fuel feed. pump
- Oil drain pump (supply loose)
- Instrument panel harness 15 meters

Generator set QMF6M

Engine specifications

Engine base	Kubota
Cycle	4 strokes Diesel
Number of cylinders	2 in line
Displacement (cm ³)	479
Bore and stroke (mm)	67 x 68
Combustion system	Indirect (E-TVCS)
Rated rpm	3000
Intake	Natural

Fuel system

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

Cooling system

Seawater pump	Neoprene rotor
Coolant pump type	Coaxial alternator driven
Coolant capacity (l)	2.7
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)	1.9
Oil type	API-CF mini 15W40

Engine Electrical System

Engine alternator (V-A)	12 - 40
Battery recommended (Ah)	50
Starter motor (V-kW)	12 - 0.8

Fuel consumption

Fuel consumption at full load (l/h)	2.2
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Air requirements

Combustion air at 25°C (m ³ /h)	30
Flow for the evacuation of radiant heat (m ³ /h)	130

Installation data

Exhaust connexion (mm)	40
Fuel connexion (mm)	8
Diamètre retour gasoil (mm)	6
Fuel pump - Max suction height (m)	0.5 (Standard pump) 1.8 (with add. electrical pump)
Sea Water pump connexion (mm)	25
Engine Operating Angle	10° continuous (22.5° maxi)

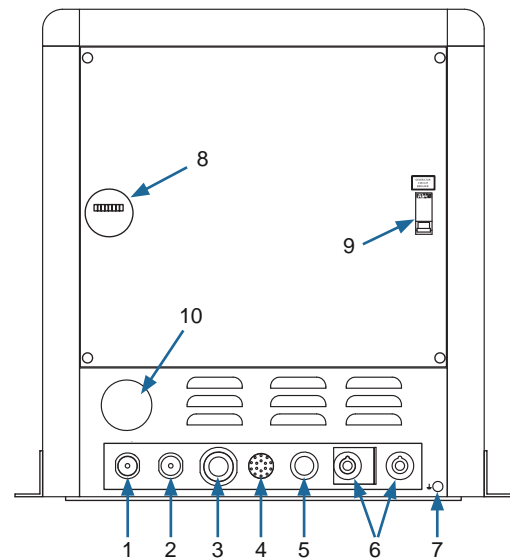
Instrument panel

Eco GE



- Start and stop buttons
- Low oil pressure warning light
- Coolant temperature warning light
- Preheat warning light
- Battery charge warning light

Main components



1. Fuel outlet
2. Fuel inlet
3. Seawater connexion
4. Power cables
5. Instrument panel connection
6. Battery connections
7. Ground connection
8. Hourmeter
9. Circuit breaker
10. Exhaust outlet

Nanni Diesel Australia

26 / 17-21 Bowden Street

Alexandria, NSW. 2015

Tel : (02) 9319 5222

Fax : (02) 9319 5561

www.nannidiesel.com.au

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