

Generating Set Nanni QMF3.5M

3.5 kW max at 3000 rpm



Engine base

- 4 strokes Farymann base Diesel engine tested in all marine or industrial applications throughout the world.

Generator

- Delivering a continuous power of 3.2 kW and able to provide up to 3.5 kW.
- IP21 protection (additional level available on demand).

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.

Engine main features

- Farymann base Diesel engine
- Direct injection
- Direct cooling

Generator main features

- Synchronous
- Single-phased
- 2 poles
- Class H insulation
- 50 Hz
- Voltage regulation of $\pm 5\%$

Generator set ratings

Voltage (V)	Frequency (Hz)	Amperes (A)		Power * (kW)	
		max	cont.	max	cont.
230	50	15.2	13.9	3.5	3.2

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)	105
Length (mm)	590
Width (mm)	405
Height (mm)	515

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 QMF3.5M

Engine specifications

Engine base	Farymann
Cycle	4 strokes Diesel
Number of cylinders	1 Vertical
Displacement (cm ³)	290
Bore and stroke (mm)	82 x 55
Combustion system	Direct
Rated rpm	3000
Intake	Natural

Fuel system

Fuel injection pressure (bar)	140
Fuel injection pump	In line
Fuel feed pump	Mechanical
Governor type	All speed mechanical

Cooling system

Seawater pump	Neoprene rotor
Exhaust manifold	Fresh water cooled

Lubrication system

Oil pan capacity (l)	1
Oil type	API-CD mini SAE 10W40

Engine Electrical System

Engine alternator (V)	12
Battery recommended (Ah)	36

Fuel consumption

Fuel consumption at full load (l/h)	1.5
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Air requirements

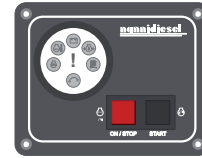
Combustion air at 25°C (m ³ /h)	20
Flow for the evacuation of radiant heat (m ³ /h)	70

Installation data

Exhaust connexion (mm)	40
Fuel connexion (mm)	8
Fuel outlet (mm)	6
Fuel pump - Max suction height (m)	0.5 (Standard pump) 1.8 (with add. electrical pump)
Sea Water pump connexion (mm)	20
Engine Operating Angle	10° continuous (22.5° maxi)

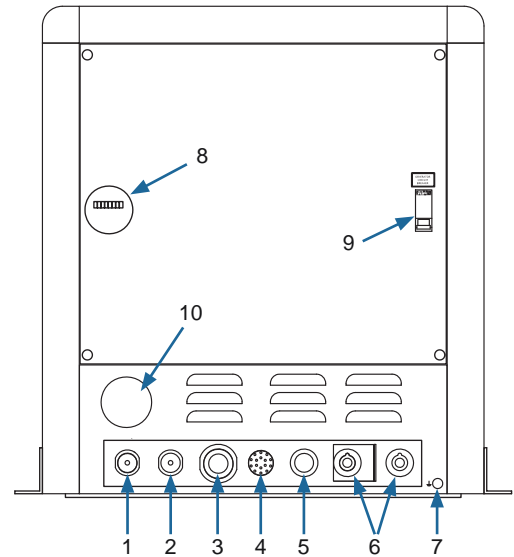
Instrument panel

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

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