

Nanni Diesel marine Generating set QMF6M

6 kW max at 3000 rpm



Kubota 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.

Soundproof system

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 genset 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

- Kubota base Diesel engine
- E-TVCS injection system
- 2 cylinders
- Closed cooling with heat exchanger

Generator main features

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

Optional Accessories

- Muffler kit
- Seawater intake and hoses
- Maintenance kit
- Siphon Breaker
- Water Gas Separator
- Electric Lift Pump

Genset Ratings

Voltage (V)	Frequency (Hz)	Amperes (A)		Power * (kW)	
		max.	cont.	max.	cont.
230	50	26.1	23.9	6	5.5

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

Weight and Dimensions

Dry weight (kg/lb)	128 / 282.2
Length (mm/in)	655 / 25.8
Width (mm/in)	485 / 19.1
Height (mm/in)	530 / 20.86

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Engine specifications

Engine base	Kubota Z482
Cycle	4 strokes Diesel
Number of cylinders	2 in line
Displacement (cm ³ -in ³)	479 / 29.23
Bore and stroke (mm-in)	67 x 68 / 2,64 x 2.68
Combustion system	Indirect (E-TVCS)
Rated rpm	3000
Max power at rated rpm (hp)	10
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
Exhaust manifold	Fresh water cooled
Seawater pump flow (l/min)	12
Coolant capacity (l)	2.7
Coolant pump flow (l/min)	22
Heat Rejection (kcal/min)	34

Lubrication system

Oil pan capacity (l)	1.9
Oil type	API-CD mini 15W40

Engine Electrical System

Battery recommended (Ah)	50
Mini CCA Rating	400
Rated voltage (V)	12
Mini battery cable section	35

Fuel consumption

Fuel consumption at full load (l/h)	2.2
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Installation data

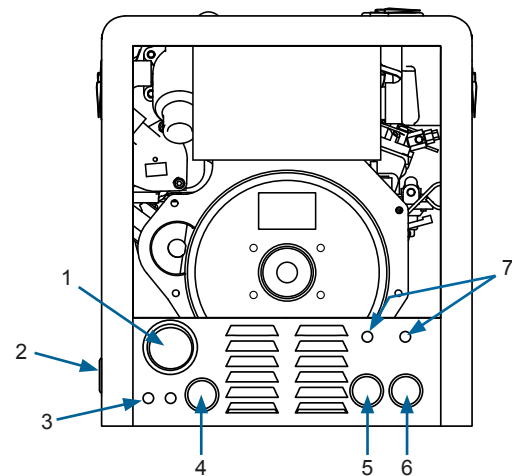
Air consumption (m ³ /h)	20
Exhaust diameter (mm-in)	40 - 1.57
Sea water diameter (mm-in)	20 - 0.79
Max back pressure (kPa)	10
Fuel supply diameter (mm-in)	8
Fuel return diameter (mm-in)	6
Fuel pump - Max suction height (m)	0.5 (Standard pump) 1.8 (Add. electrical pump)
Installation angle	10° continuous (22.5° intermittent)

Instrument panel

The instrument panel is robust and easy to use. It brings 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.



Connections and main components



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|----------------------------------|--------------------------------|
| 1. Exhaust | 5. Fuel supply |
| 2. Siphon Breaker | 6. Fuel return |
| 3. Connection for starter cables | 7. Connection for power cables |
| 4. Seawater intake | |

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