



Marine Generator Set

12 M26.3

Model	Injection	Speed control	Cylinder configuration	Bore/stroke (mm)	Displacement (l)
12 M26.3	Common Rail	Electronic	12 in V	150x150	31.80

Customer benefits

Genuine marine design with simple solutions, routine maintenance front area, engine block inspection hatches

Continuous compact power with reference performances in its category

Global environment care with low exhaust emissions, noise reduction and controlled fuel consumption at any running cycle

Latest safe technology including electronic injection dynamic redundancy, high efficient ball bearing turbocharger, integrated circuits with 0 flexible hoses, and more...

Life cycle cost efficiency with extended MTBO, modular concept reducing number of components and interfaces

Rating table

Rating	Frequency	RPM	kWm	kWe	kVA	IMO*	EPA*
PRP	50 Hz	1500	880	840	1050	II-III	III-IV
PRP	60 Hz	1800	1000	956	1195	II-III	III-IV

*IMO III & EPA IV with SCR System.

Prime running power (PRP)

- Variable load with mean power calculated on 250 running hours
- No restriction on use if mean power $\geq 75\%$ of nominal power
- Total operating time at 100% nominal power shall not exceed 500 hours per year
- 10% overload available 1 hour each 12 hours

Power definition

Standard ISO 3046/1 - 1995 (F)

Reference conditions

Ambient temperature	25 °C / 77 °F
Barometric pressure	100 kPa
Relative humidity	30%
Raw water temperature	25 °C / 77 °F

Fuel oil

Relative density	0,840 \pm 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	\pm 5 %
Air inlet limit temperature	35 °C / 95 °F



Standard equipment

Cooling system

Two stages cooling circuit with built-in HT thermostatic valves
 Integrated fresh water expansion tank with port/starboard filling provision
 High efficiency tubular heat exchanger module
 Gear driven centrifugal fresh water pump
 Self priming raw water pump with bronze impeller

Lubrication system

Full flow lube oil filters duplex type - Centrifugal lube oil purifier
 Fresh water cooled lube oil heat exchanger module
 Port or starboard lube oil filling cap and dipstick
 Manual priming and draining pump

Fuel system

Common-rail injection
 Two high pressure pumps (one per bench) with shielded high pressure injection rails and pipes
 Fuel oil filter duplex type
 Water separator

Intake air and exhaust system

Double flow raw water cooled intake air heat exchanger module
 Fresh water cooled exhaust gas manifolds
 High efficiency dry turbochargers with ball bearing technology

Electrical system

Voltage: 24V DC insulated
 Electrical starter
 Baseframe mounted control cabinet according to Classification Societies recommendations

Generator

50/60 Hz frequency, 4 poles
 Insulation / Heating class H/H
 Electronic voltage regulation
 IP23 protection, marine impregnation
 Double bearing

Specific fuel consumption

Frequency	PRP				75% PRP			50% PRP		
	kWe	kWm	g/kWh	l/h	kWm	g/kWh	l/h	kWm	g/kWh	l/h
50 Hz	840	880	210	221	660	205	160	440	206	108
60 Hz	956	1000	203	242	750	201	180	500	206	123