12 M26.2 Marine Generator Set

Model	Injection	Speed control	Cylinder configuration	Bore/stroke (mm)	Displacement (l)
12 M26.2	Mechanical	Electronic	12 in V	150x150	31.80

Customer benefits

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

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

Simple technology with mechanical injection

Life cycle cost efficiency with extended mean time between overhauls (MBTO)

Rating table

Rating	Frequency	RPM	kWm	kWe	kVA
PRP	50 Hz	1500	560	532	665
PRP	50 Hz	1500	680	640	800
PRP	50 Hz	1500	770	732	915
PRP	50 Hz	1500	820	780	975
PRP	50 Hz	1500	880	840	1050
PRP	60 Hz	1800	680	644	805
PRP	60 Hz	1800	806	760	950
PRP	60 Hz	1800	920	880	1100

Prime running power (PRP)

- Variable load with mean power calculated on 250 running hours
- No restriction on use if mean power ≥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 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	± 5 %
Air inlet limit temperature	35 °C / 95 °F

Emissions

IMO Tier II

Standard equipment

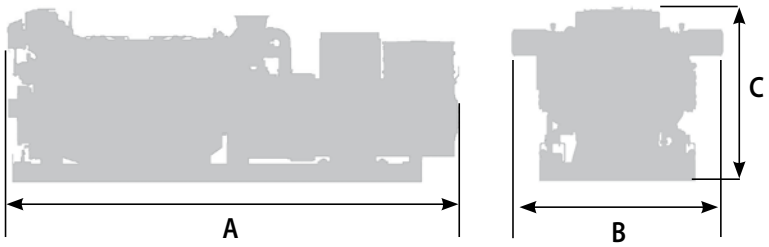
Engine and block	Cast iron cylinder block, with replaceable cylinder liners Separate cast iron cylinder heads Replaceable valves guides and seats Steel forged crankshaft with 7 bearings Light alloy piston with 3 high performance piston rings
Cooling system	Fresh / raw water heat exchanger with integrated thermostatic valves and expansion tank Cast iron centrifugal fresh water pump, mechanically driven Bronze self-priming raw water pump, mechanically driven
Lubrification system	Full flow screwable oil filters Fresh water cooled lube oil cooler
Fuel System	In line injection pump with flanged electronic speed governor Double wall injection bundle Duplex fuel filters
Intake air and exhaust system	Fresh water cooled exhaust gas manifolds Fresh water cooled turbo blowers
Electrical system	Voltage 24Vdc Electrical starter on flywheel crown
Generator	- 50/60Hz Frequency, 4 Pole - Insulation / Heating Class H/H - Electronic voltage regulation - Brushless excitation - IP23 Protection, Marine impregnation - Double bearing

Specific fuel consumption

PRP					75% PRP			50% PRP		
Frequency	**kWe**	**kWm**	**g/kWh**	**l/h**	**kWm**	**g/kWh**	**l/h**	**kWm**	**g/kWh**	**l/h**
50 Hz	532	560	205	136	420	215	107	280	229	76
50 Hz	640	680	202	163	510	208	126	340	225	91
50 Hz	732	770	204	187	578	204	140	385	219	100
50 Hz	780	820	206	201	615	204	149	410	216	106
50 Hz	836	880	209	218	660	203	159	440	212	111
60 Hz	644	680	209	169	510	220	133	340	238	96
60 Hz	760	806	208	199	603	210	150	402	233	111
60 Hz	880	920	211	232	690	208	170	460	223	122

Dimensions and dry weight (mm / kg)

	A	B	C	Weight
975 kVA 50Hz 955 kVA 60 Hz	3706	1550	1495	5700
1050 kVA 50Hz 1100 kVA 60 Hz	3933	1550	1495	6500



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