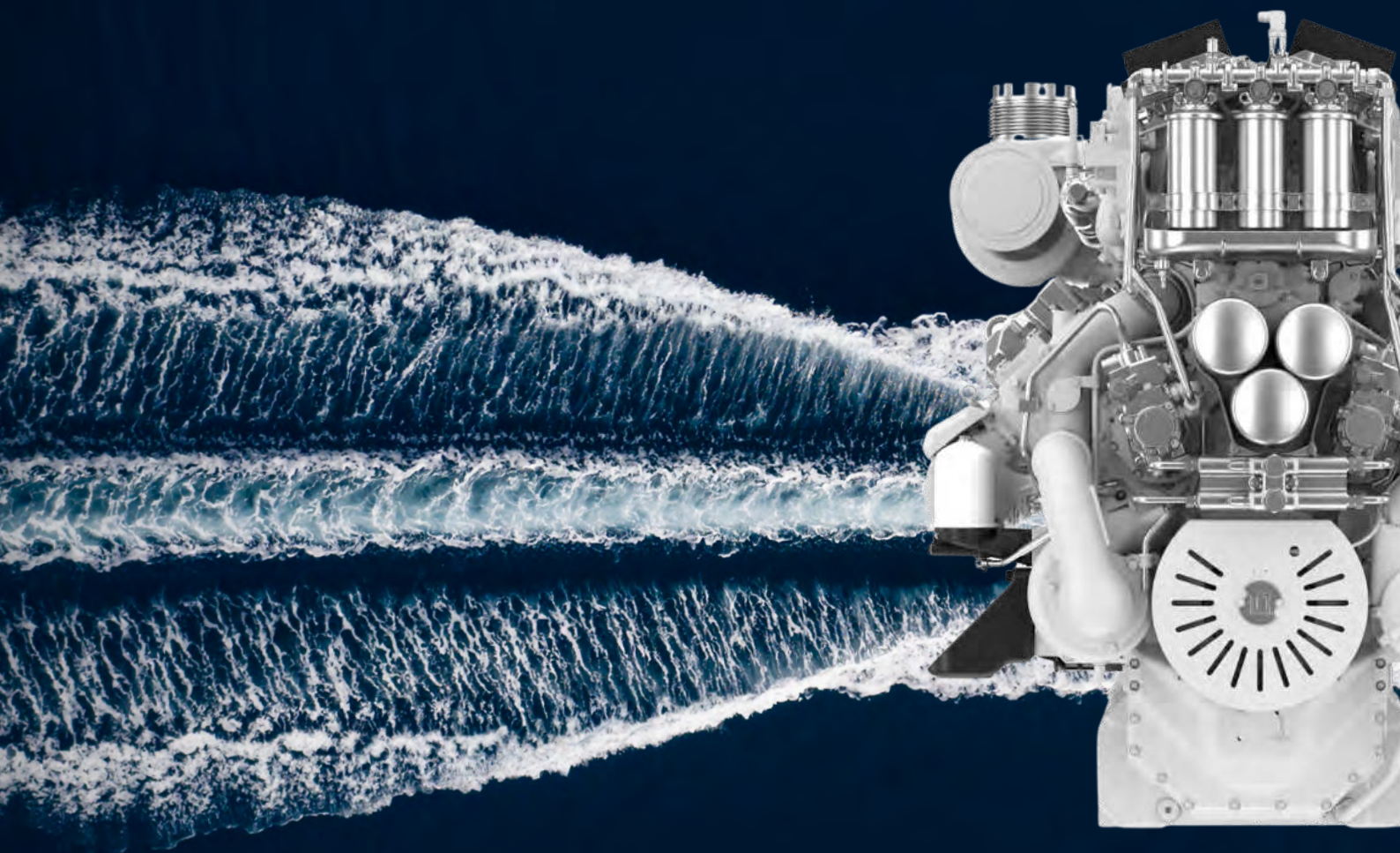


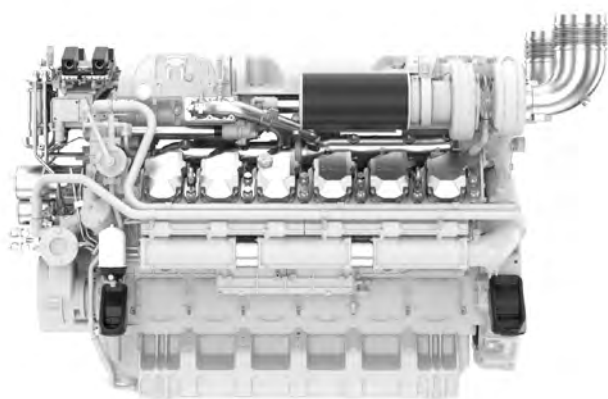


12M26.3

IMO II EPA3 YACHTING

Marine propulsion engine





Number of cylinders	V12
Bore and stroke (mm)	150 X 150
Displacement (L)	31.8
Engine rotation	Counterclockwise
Idle speed (rpm)	650
Flywheel housing	18"
Flywheel	SAE 0

Rated power - Fuel consumption

Rating	kW	rpm	HP	Fuel consumption (IMO/EPA)			IMO	EPA	EU
				Optimum value	Rated power				
				g/kWh	g/kWh	l/h			
P3	1214	2300	1651	203/217	209/230	301/332	II	III (REC)	RCD2

NB: IMO III / EPA 4 / Stage V versions are also available with ATS

P1 - CONTINUOUS DUTY - Severe continuous application with little or no engine speed / load variations.
Displacement hull:

- Engine mean load factor: 100%.
- Annual duration of use: Unrestricted.
- Use under full load: unlimited (100%).

Application examples: Deep Sea vessels and shrimp trawlers, high sea or river tugboats, towboats, cargos, cargo boats, dredgers, ferries.

P2 - HEAVY DUTY - Continuous application with frequent variations in engine speed and load.

Displacement or semi-displacement hull:

- Engine mean load factor: 80%.
- Annual duration of use: 5,000 hours.
- Use under full load: 8 hours in a 12-hours period (66%).

Application examples: Annual passenger vessels, harbour tugs, self-propellers, coasters, fast fishing boats such as tuna boats, seiners, pot vessels or liners, buoying vessels, oceanographic research vessels.

P3 - INTERMITTENT DUTY - Intermittent application with significant variations in engine speed and load.

Planning or semi-planning hull:

- Engine mean load factor: 70%.
- Annual duration of use: 3,000 hours.
- Use under full load: 2 hours in a 12-hours period (16%).
- Cruising speed is less than 90% of nominal engine speed.

Application examples: Seasonal passenger vessels, fishing launches, pilot boats, pump boats, displacement sailboats, trawlers, bow thrusters.

P4 - LIGHT DUTY - Light application with significant variations in engine speed and load.

Planning hull:

- Engine mean load factor: 90%.
- Annual duration of use: less than 1,500 hours.
- Use under full load: 1 hour in a 12-hours period (8%).
- Cruising speed is less than 80% of nominal engine speed.

Application examples: Survey or rescue fast vessels, military fast vessels, patrol boats, commercial pleasure craft.

P5 - HIGH PERFORMANCE DUTY - High performance application with significant variations in engine speed and load:

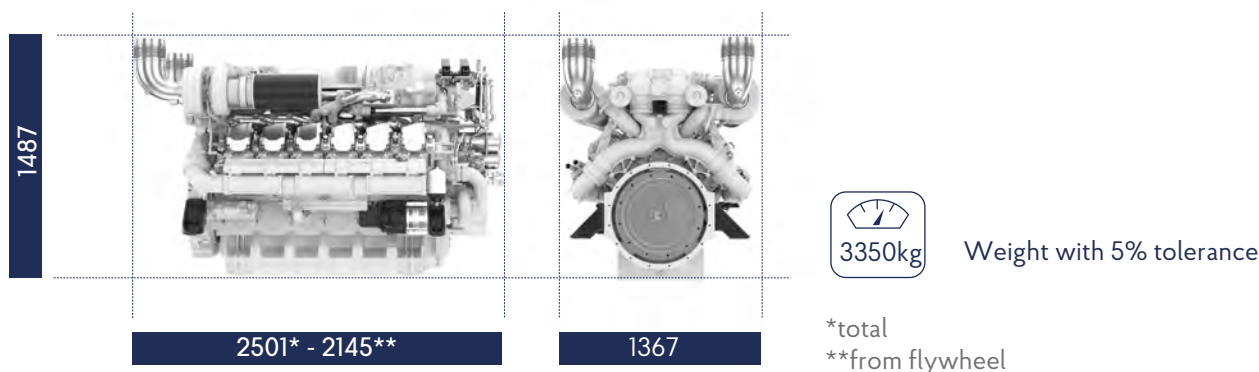
- Engine mean load factor: 60%.
- Annual duration of use: 500 hours.
- Use under full load: 1 hour in a 12-hours period (8%).

Application examples: Private pleasure boats, multi-hull pleasure boats.

WARRANTY DISCLAIMER

Warranty does not apply whenever the engine operation conditions differ from the initial duty class - P1, P2, P3, P4 and P5 - operational conditions. The operator must therefore modify the duty class accordingly, to benefit from SIMB warranty coverage.

Dimensions and dry weight (mm/kg)



Standard equipment

Cooling System

Two-stage cooling circuit with integrated HT thermostatic valve
 High efficiency heat exchanger (Tube Type) with integrated fresh water expansion tank
 Gear-driven self-priming raw water pump with bronze impeller
 Gear-driven centrifugal freshwater pump

Lubrication System

Duplex full-flow spin-on lube oil filters
 Fresh water-cooled lube oil cooler
 Mechanical oil drain pump

Fuel System

Electronically controlled common-rail fuel injection system
 Double-wall fuel injection pipe with leakage detection system
 Duplex fuel filters, replaceable while engine is running
 Electric fuel priming pump

Intake Air and Exhaust System

Fresh water cooled exhaust gas manifold
 High efficiency dry-type turbocharger with heat insulation
 Raw water cooled charge air cooler

Electrical System

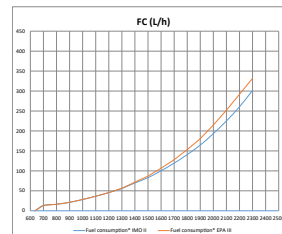
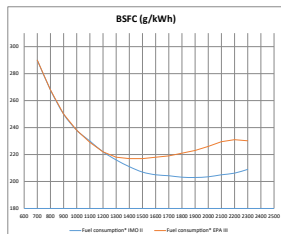
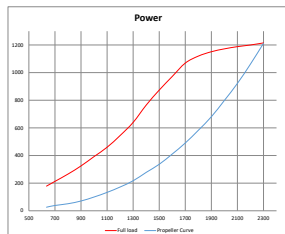
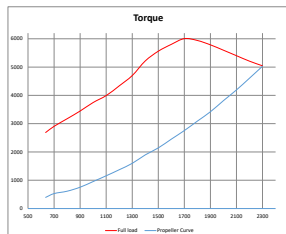
24V DC system, Insulated
 Electrical starter
 Battery Charger 190A

Optional Equipment

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

Performance

P3 - 1214 kW - 2300 rpm



Power definition

(Standard ISO 3046-1:2002)

Reference conditions

Ambient temperature	25°C / 77°F
Barometric pressure	100 kPa
Relative humidity	30%R
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%
Inlet limit temperature	35°C / 95°F

Our ratings also comply with classification societies maximum temperature definition without power derating.

Ambient temperature	45°C / 113°F
Raw water temperature	32°C / 90°F