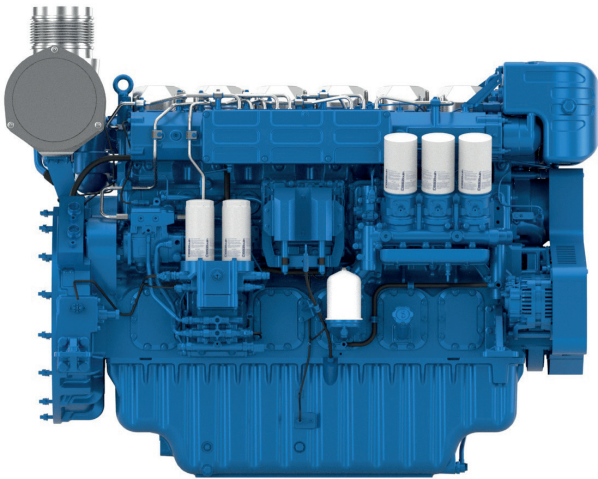


# 6M33.3

4 Stroke diesel engine, common rail injection



Number of cylinders	6
Bore and stroke (mm)	150 x 185
Total displacement (L)	19.8
Engine rotation	2000
Idle speed	650 rpm
Flywheel housing	SAE 0
Flywheel	18"
Common rail injection	

## Customer benefits

**Genuine marine design**, our engine is designed specifically for Marine applications with Marine components, such as individual cylinder heads and inspection doors that make maintenance easy even in the smallest of engine rooms.

**Global environment care** with low exhaust emissions at any running cycle

**Latest safe technology\***

## Rated power

Duty	kW	HP	RPM	IMO
P1	530	720	1600	II
P1	574	780	1800	II
P2	588	800	1600	II
P2	625	850	1800	II
P3	670	911	1900	II
P4	750	1020	2000	II

	P1	P2	P3	P4
Application	unrestricted	heavy duty	intermittent	light
Engine load variations	not important	important	important	very important
Average engine load factor	80% - 100%	30% - 80%	60%	60%
Annual working time	5000 to 7000h	3000 to 5000h	1000 to 1500h	1000 to 1500h
Time at full load	12h each 12h	8h each 12h	2h each 12h	1h each 12h

## Power definition

(Standard ISO 3046/1 - 1995 (F))

### Reference conditions

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

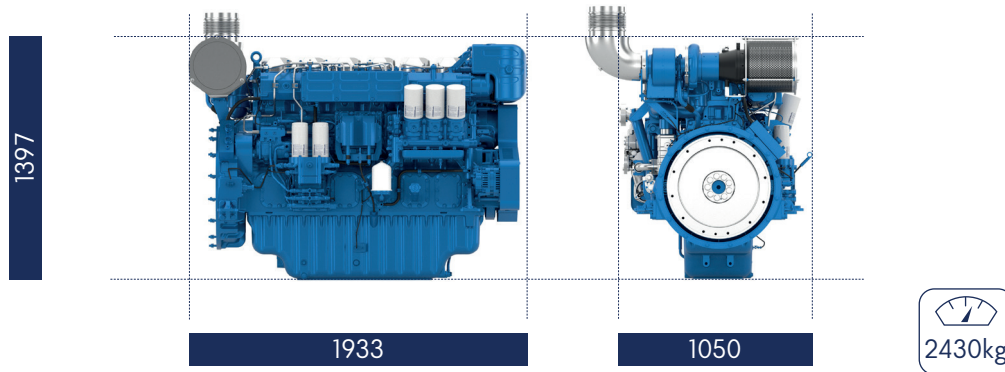
### Fuel oil

Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	0 ± 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

## Dimensions and dry weight (mm/kg)



## Standard equipment

### Cooling system

Two - stage cooling circuit with built - in HT thermostatic valve  
Integrated fresh water expansion tank  
High efficiency tubular heat exchanger  
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  
Electrical draining pump

### Fuel system

Common-rail injection  
High pressure pump with shielded high pressure injection rail 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 manifold  
High efficiency dry turbocharger with ball bearing technology

### Electrical system

Voltage: 24V DC insulated  
Electrical starter  
200A alternator