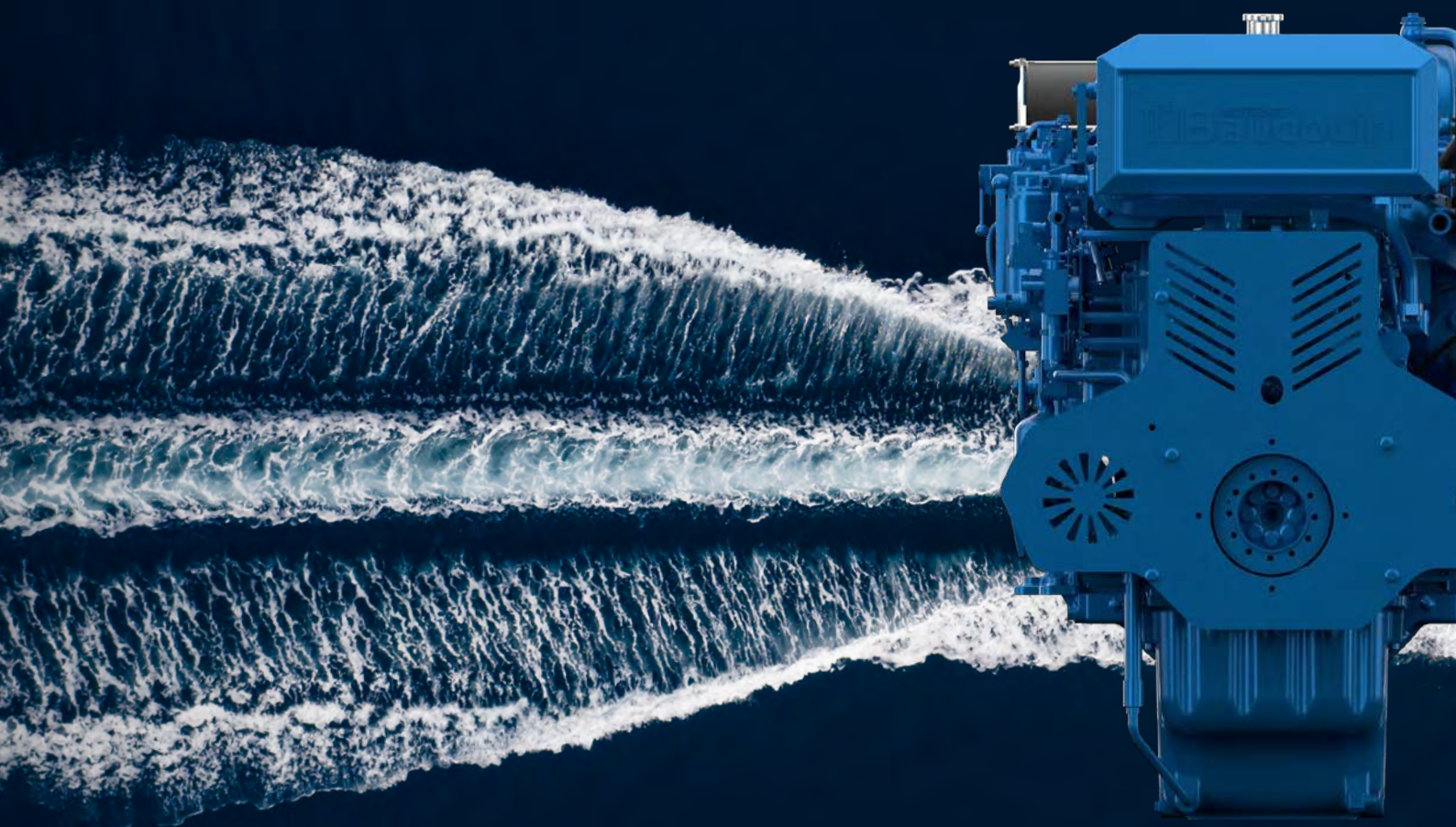
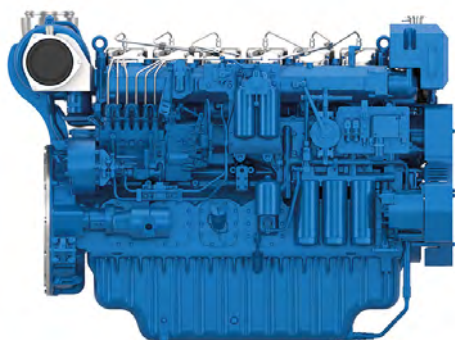




# 6M33.2

Auxiliary Diesel Engine



|                     |                  |
|---------------------|------------------|
| Number of cylinders | L6               |
| Bore & Stroke (mm)  | 150 x 185        |
| Displacement (L)    | 19.6             |
| Engine rotation     | Counterclockwise |
| Idle speed (rpm)    | 700              |
| Fly wheel           | 14"              |
| Fly wheel housing   | SAE 1            |

| 6M33.2  |     |      |     | Fuel Consumption |     | Emissions |
|---------|-----|------|-----|------------------|-----|-----------|
| Ratings | kW  | rpm  | HP  | g/kWh            | l/h | IMO       |
| PRP     | 500 | 1500 | 680 | 198              | 118 | II        |
| PRP     | 552 | 1800 | 751 | 215              | 141 | II        |

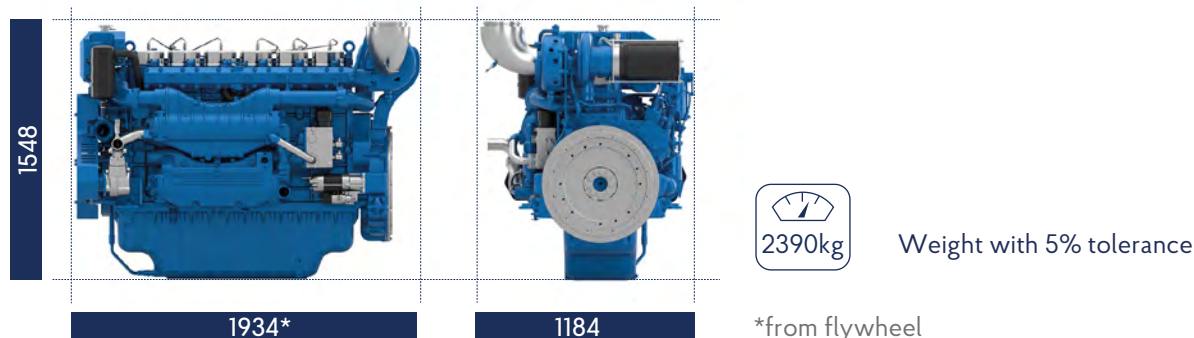
## Generator Sets Engines

| Power Class |                         | Definition                                                                                                                                 |
|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| PRP         | Prime Power             | Unrestricted running time<br>Time at full load ≤ 500hrs/year<br>Load variation ≤ 75% of rated power<br>10% overload 1hr/12hrs              |
| ESP         | Emergency Standby Power | Running time 200hrs/year max<br>Load variation 110% of Prime power<br>Average Load factor should not exceed 70% of the engine's ESP rating |

## Baudouin's Engine DNA: Genuine Marine Power, Efficiency & Reliability

Our genuine marine engine design is specifically engineered for marine applications, ensuring durability, performance, and seamless integration in the most demanding environments. Designed for easy maintenance, our engines feature individual cylinder heads, allowing for quick servicing and minimal downtime to ensure uninterrupted operations. Built with key components made from highly durable materials, our engines guarantee long-term reliability and endurance in every condition.

## 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  
Belt-driven self-priming raw water pump with bronze impeller  
Belt-driven centrifugal freshwater pump

### Lubrication System

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

### Fuel System

Mechanical fuel injection system  
Double-wall fuel injection pipe with leakage detection system  
Duplex fuel filters, replaceable while engine is running  
Simplex fuel prefilter with water separator  
Mechanical fuel priming pump

### Intake Air and Exhaust System

Fresh water cooled exhaust gas manifold  
High efficiency single stage freshwater-cooled turbocharger  
Raw water cooled charge air cooler

### Electrical System

24V DC system, Insulated  
Electrical Starter  
Battery Charger 175A

### Optional Equipment

|                            |                           |
|----------------------------|---------------------------|
| Keel Cooling configuration | Electric drain pump       |
| Elastic pads               | Additional pulley         |
| Front PTO                  | Cabin heating connections |

## 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  |