

 **MOTEURS**
Baudouin

**POWER. PACKED.
THE 6F21 ENGINE
HAS LAUNCHED.**

THE MOST COMPACT ENGINE
OFFERING THE MOST POWER.

2022 PRESS PACK

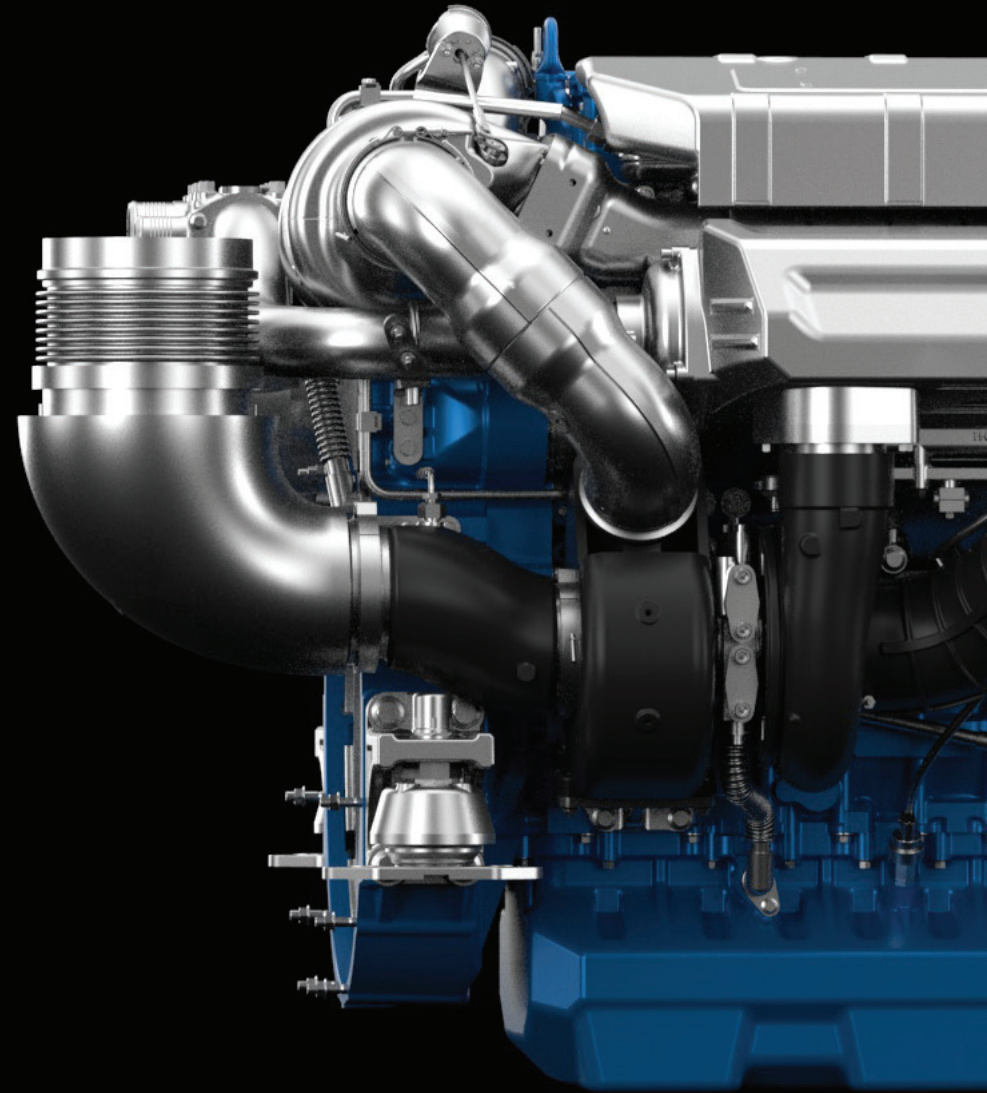


PERFORMANCE TECHNOLOGY

This level of performance was achieved by the evolution of multiple technologies.

The **6F21** includes a strengthened engine structure to withstand high torque and a higher cylinder pressure of well over 200 bar. A two-stage turbocharger system is also fitted on the engine, along with two intercoolers, and a high-end common rail system, operating at 2200 bar.

[DOWNLOAD 6F21 SPECSHEET](#)



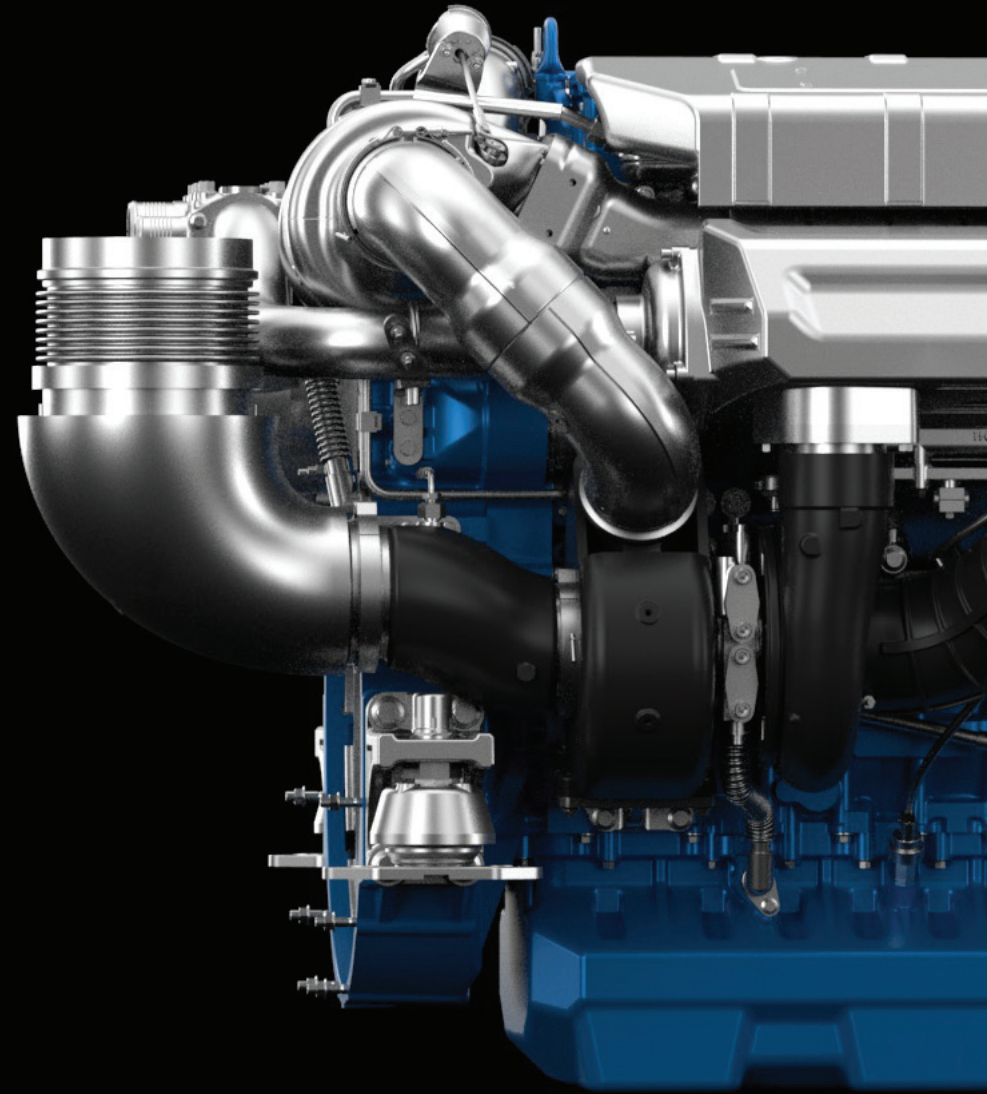
EASY MAINTENANCE

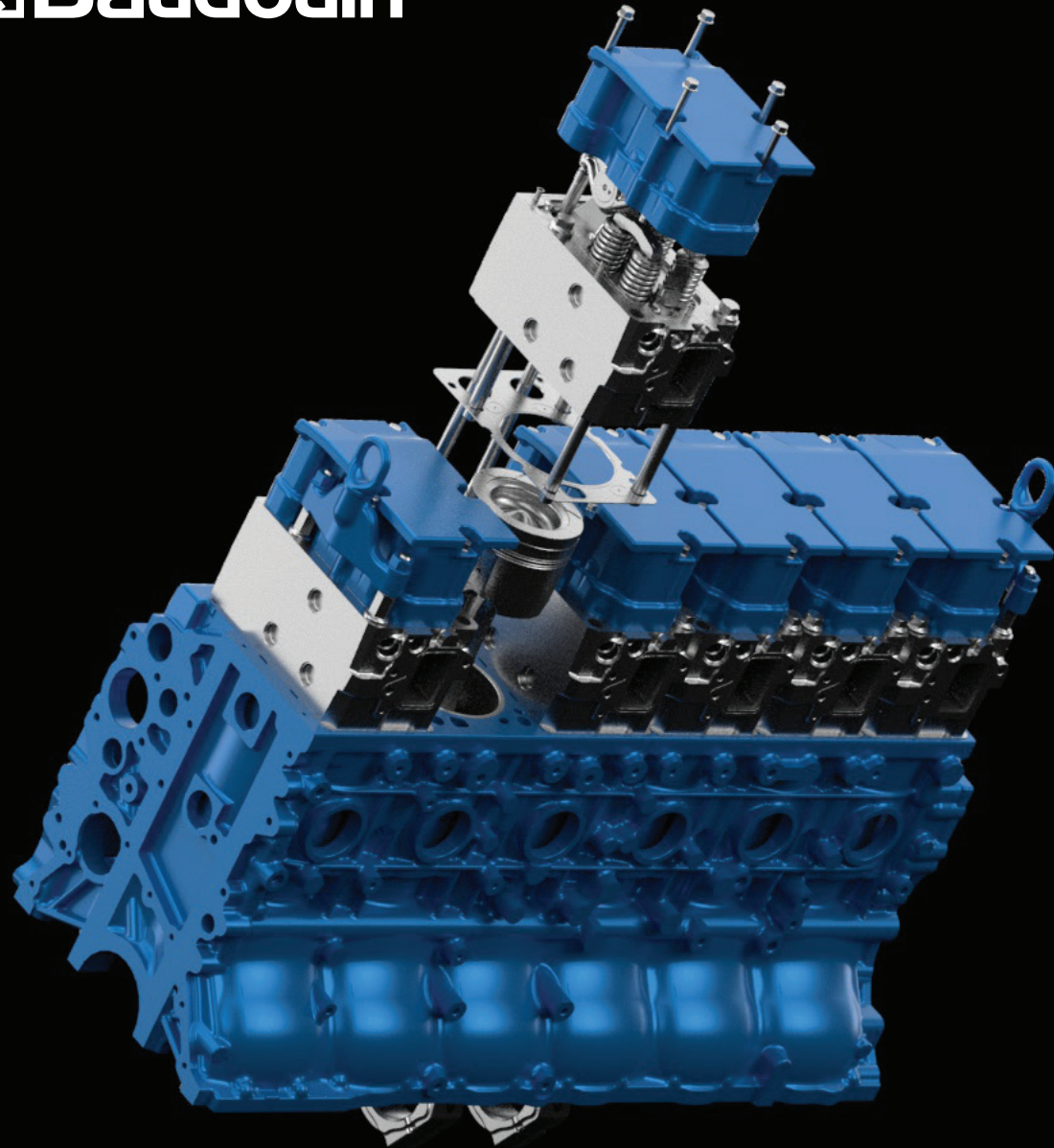
The **6F21** delivers this genuine marine design with marine components, such as individual cylinder heads that make maintenance easy even in the smallest of engine rooms. The fuel filters are mounted in the front to allow easy and quick maintenance, and there is no need to dismantle any part of the engine in order to reach a component.



COMPACTNESS

The **6F21** is one of the most compact marine propulsion engines in the market offering the most power at the same time. Materials have been optimized to decrease the overall weight. Cast iron and steel are only used when stress and temperature demand it. Flywheel housing, the oil sump, covers, brackets, supports, and even heat exchanger bodies are all constructed from light alloys.





DESIGNED FOR MARINE

Like all Baudouin engines, these are not 'marinized' truck engines, but specialized products designed for the challenges of working life at sea.

Marine really is in the DNA of every Baudouin engine.



OPTIMIZED COMPACT SYSTEM

The **6F21** is a smaller engine but delivers as much power as most of its bigger competitors. Measuring 1470 x 1100 x 1075mm, the **6F21** can easily fit in the smallest of engine rooms.



RELIABLE

The **6F21** delivers a reliable, consistent performance regardless of the conditions. With this marine propulsion engine, Baudouin decided not to compromise power, consumption or reliability by using the best components in the market.



INTERMITTENT DUTY APPLICATIONS

599 kW & 2300 RPM
Power density: 48 kW / L

- Passenger's vessels
- Crew boat
- Firefighting boats
- Pilot boats



LIGHT DUTY APPLICATIONS

662 kW & 2300 RPM
Power density: 53 kW / L

- Commercial pleasure crafts
- Fast rescue vessels
- Fast military vessels
- Survey vessels



HIGH PERFORMANCE DUTY APPLICATIONS

735 kW & 2300 RPM
Power density: 59 kW / L

- Yachting
- Sport fishing

THE GAME-CHANGING NEW **6F21**

Delivering up to 735 kW / 1000 HP from 12.5 liters, Baudouin has designed the most compact and power-dense propulsion engine platform on the marine market.

Hamburg (Germany), September 2022 - French engine manufacturer Moteurs Baudouin unveils the **6F21**. This new 6-cylinder, 12.5-liter engine produces up to 735 kW/1000 HP, enabling a best-in-class power density in a very compact and light original marine design.

This level of performance was achieved through continuous technological evolution. The **6F21** includes a strengthened engine structure to withstand high torque and a higher cylinder pressure well over 200 bar. A two-stage turbocharger system is also fitted on the engine, along with two intercoolers, and a high-end common rail system, operating at 2200 bar. All of these competitive advantages are contained in the most compact engine ever released from Baudouin.

“We wanted to make an engine that is versatile for both the commercial and pleasure markets” says Claudio Operti, Chief Engineer at Baudouin. “This engine needed to be as compact as possible without compromising power, while at the same time keeping true to Baudouin’s DNA of offering robust and truly marine engines.”

The result is a high-power and light engine, but one that still promises a long life, with the reliability and robustness that Baudouin are known for. Every **6F21** engine also has optimized maintenance for low total cost of ownership, and complies with IMO II and EPA III standards, with IMO III and EPA IV following soon.

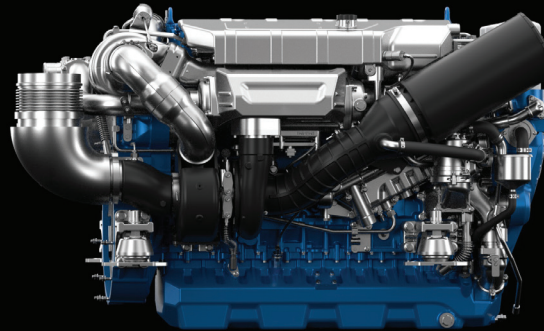
The **6F21** is available in three duty ratings with continuous compact power. This includes best-in-class for power output at intermittent duty 599 kW/815 HP and light duty 662 kW/900 HP, and co-leader at the high-performance rating delivering 735 kW/1000 HP. While overall, the engine is best-in-class for power density throughout all three duty ratings.

This power range ensures adaptability across a wide spectrum of light duty applications like military, recreational and pilot boats, and releasing in the coming months, commercial ratings for heavy duty applications such as fishing, firefighting, and passenger boats.

Steven Wang, CEO says: “The **6F21** is the first step toward a new series of engines offering the best power in the market, and consolidating Baudouin as a trusted solution both for the commercial and pleasure market. For larger applications, we are also preparing to expand the burgeoning F series with an 8-cylinder 17L version of the engine, coming later in 2022.”

ABOUT BAUDOUIIN

Founded in France more than a century ago, Moteurs Baudouin is a market leader in quality diesel and gas engines for marine and power generation applications. With their headquarters in Cassis, France, Baudouin is owned by Weichai and has additional manufacturing based in Weifang, China and Pune, India. Product sales and servicing are currently available in more than 130 countries, across six continents.



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