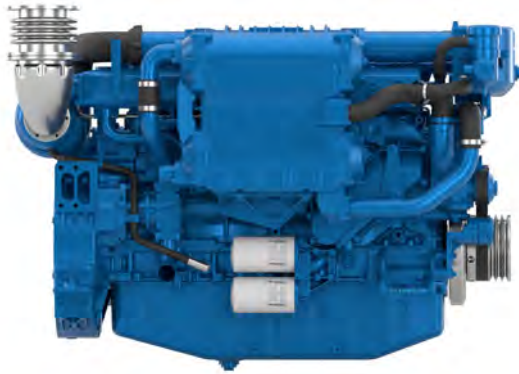


6M21.3

Common Rail Diesel Engine



| | |
|------------------------|-------------------|
| Number of cylinders | 6 |
| Bore and stroke (mm) | 127 X 165 |
| Total displacement (L) | 12.54 |
| Cylinders | L6 |
| Engine rotation | counter clockwise |
| Idle speed | 650 |
| Flywheel | 14" |
| Flywheel housing | SAE 1 |

Rated power

| Duty | kW | HP | RPM | Fuel consumption | | | IMO |
|------|-----|-----|------|------------------|-------------|-----|-----|
| | | | | Optimum value | Rated power | | |
| | | | | g/kWh | g/kWh | l/h | |
| P1 | 368 | 500 | 1800 | 194 | 207 | 91 | II |
| P2 | 405 | 550 | 1800 | 194 | 207 | 100 | II |
| P3 | 441 | 600 | 2100 | 203 | 213 | 112 | II |

| | P1 | P2 | P3 |
|----------------------------|-------------------------|--------------|---------------|
| Application | Unrestricted Continuous | Heavy | Intermittent |
| Engine load variations | Very Little To None | Continuous | Important |
| Average Engine load factor | 80-100% | 30-80% | 50% |
| Annual working time | More Than 5000 H | 3000 -5000 H | 1000 - 3000 H |
| Time at full load | Unlimited | 8h Each 12h | 2h Each 12h |

P1 Continuous Duty

- Deep sea trawlers
- Shrimps trawlers
- Sea going tug boats
- River tug boats
- Push boats
- Freighters
- Dredges
- LCT
- Ferries

P2 Heavy Duty

- Deep sea trawlers
- Shrimps trawlers
- Sea going tug boats
- River tug boats
- Push boats
- Freighters
- Dredges
- LCT
- Ferries

P3 Intermittent Duty

- Seasonal passenger vessels
- Fishing boats
- Pilot boats
- Commercial pleasure boats
- Pump boats
- Displacement sailboats
- Trawlers
- Bow thrusters

P4 Light Duty

- Private pleasure boats
- Multi-hull pleasure boats
- Survey or rescue fast vessels
- Military fast vessels.

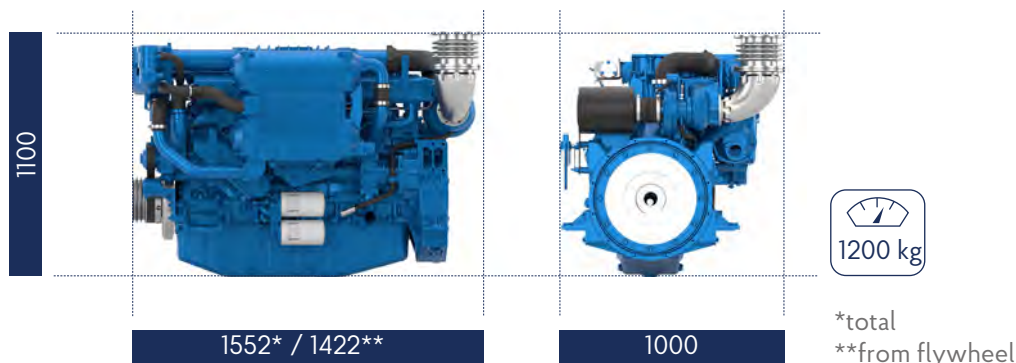
P5 High performance Duty

- Private pleasure boats
- Multi-hull pleasure boats

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 built - in HT thermostatic valve
 Integrated fresh water expansion tank
 High efficiency tubestack heat exchanger
 Belt driven centrifugal fresh water pump
 Self priming raw water pump with rubber impeller

Lubrication System

Full flow lube oil filters duplex type
 Fresh water cooled lube oil cooler intergrated in cylinder block

Fuel System

Common-rail electronic injection
 High pressure pump with double walled high pressure pipes
 Fuel oil filter duplex type
 External fuel pre-filter with water separator

Intake Air and Exhaust System

Double flow raw water cooled charge air cooler module
 High efficiency dry turbocharger
 Water cooled exhaust manifold

Electrical System

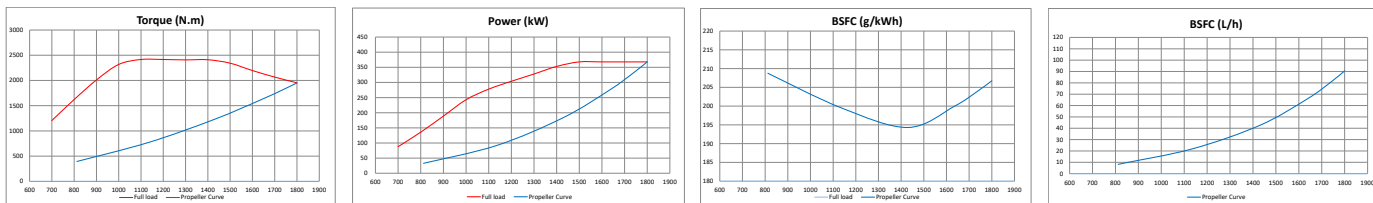
Voltage: 24 V DC insulated
 Electrical Starter
 120A battery Alternator

Optional Equipment

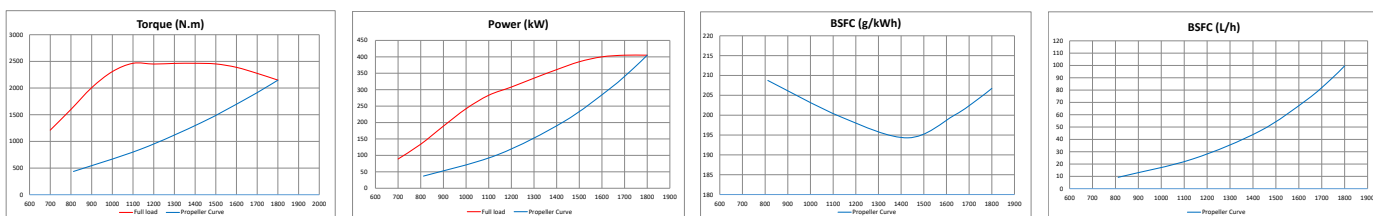
Keel Cooling configuration
 550N.m front PTO with elastic coupling
 Elastic mounting
 Air starter
 Fresh water pre-heater
 Cabin heating connections
 Additional displays

Performance

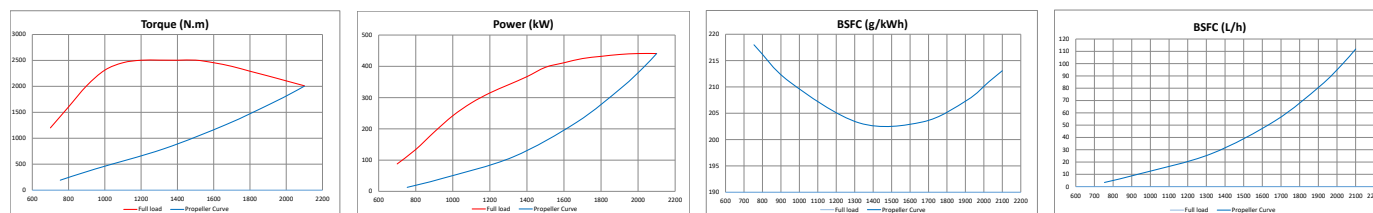
P1 - 368 kW - 1800 rpm



P2 - 405 kW - 1800 rpm



P3 - 441 kW - 2100 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% |
| | (DIN ISO 3046-1) |
| 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 |