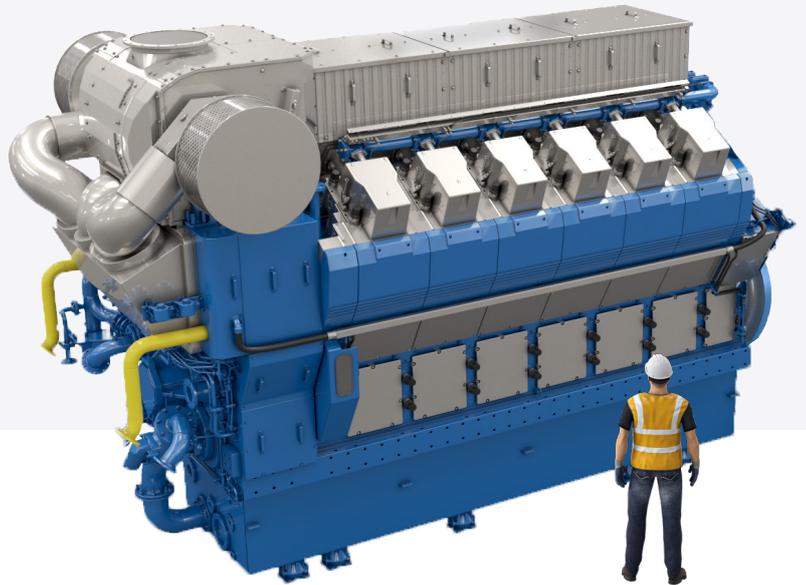


B36:45V

Propulsion
Natural Gas
7.2 MW



Low-Emission Power for Tomorrow's Fleet.

Developed through close collaboration with shipbuilders, operators, and service experts, the Bergen B36:45 delivers next-generation performance for demanding marine applications. Built on Bergen's proven modular B-series platform, it offers outstanding flexibility across propulsion and auxiliary installations, with inline and V configurations enabling seamless vessel integration.

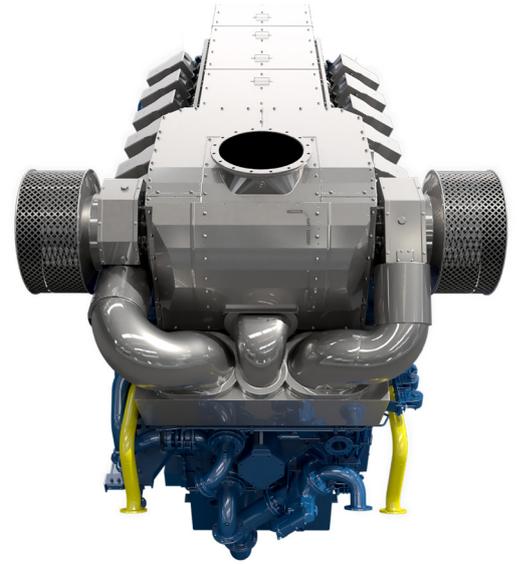
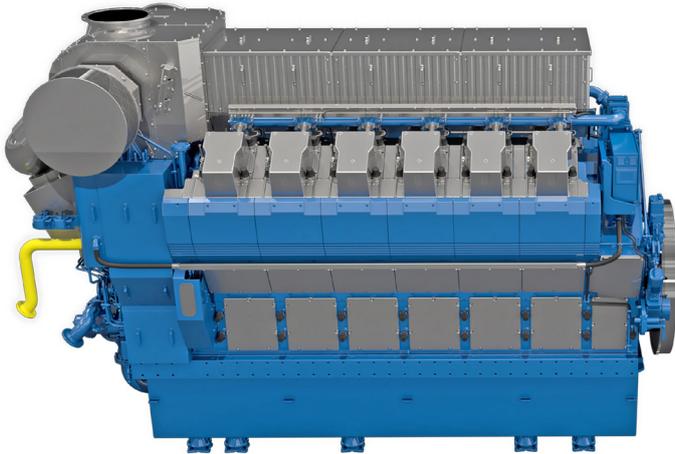
Engineered for long-term value, the B36:45 features advanced combustion, Variable Valve Timing, Cylinder Pressure Monitoring, and wastegate turbocharging to ensure optimized efficiency, fast load response, and stable operation across all conditions. With low NO_x, CO₂, SO_x, and particulate emissions, enhanced onboard safety through double-wall piping, and Bergen's global marine support network, the B36:45 is a clean, compliant, and future-ready solution for vessels worldwide.

Benefits of Bergen

- High Efficiency Single-fuel Design**
 Excellent fuel efficiency with lower complexity than dual-fuel engines.
- Global Service & Support**
 Local teams provide fast, reliable service worldwide; modular, service-friendly design enables easier maintenance onboard.
- Compact, High Power**
 High power per cylinder reduces the number of units, they fit efficiently in small engine rooms, and our modular design makes installation and maintenance faster and easier.
- Proven Reliability**
 European/Norwegian engineering with high-quality components ensures long-lasting, dependable operation.
- Fast Delivery**
 Average lead times of just 10-12 months accelerate projects and reduce downtime.

Bergen B36:45V Propulsion Engine
Max. Cont Rating, kW





Weight & Dimensions

	Engine Length (mm)	Foundation Length (mm)	Engine Width (mm)	Engine Height (mm)	Engine Weight (dry, kg)	Total Weight (Running Condition, kg)
B36:45V12 P	6,960	5,365	3,280	4,600	66,700	75,517

Technical Data

	B36:45V12 P
Number of Cylinders	12
Cylinder Diameter (mm)	360
Piston Stroke (mm)	450
Engine Speed (r/min)	750
Mean Piston Speed (m/s)	11.2
Max. Cont Rating (MCR, kW)	7,200
Max. Cont Rating (MCR, BHP Metric)	9,790
Mean Effective Pressure (BMEP, bar)	20.97
Specific Energy Consumption (kJ/kWh)	7,370
Specific Lubricating Oil Consumption (g/kWh)	0.3
Cooling Water Temp., Engine Outlet (°C)	90

GENERAL CONDITIONS

- All technical data is valid for 100% load.
- Engine power definition is according to ISO 3046-1
- Specific fuel consumption is measured on testbed according to ISO 3046-1, running on Natural Gas with a lower heating value of 36 MJ/m³n and no engine driven pumps.
- Methane no Min 70, According to AVL calculation.
- Specific lub. Oil consumption is for guidance only.
- Due to continuous development, some data may change.

DISCLAIMER

- Due to continuous development, some data may change. The information does not carry any contractual value.