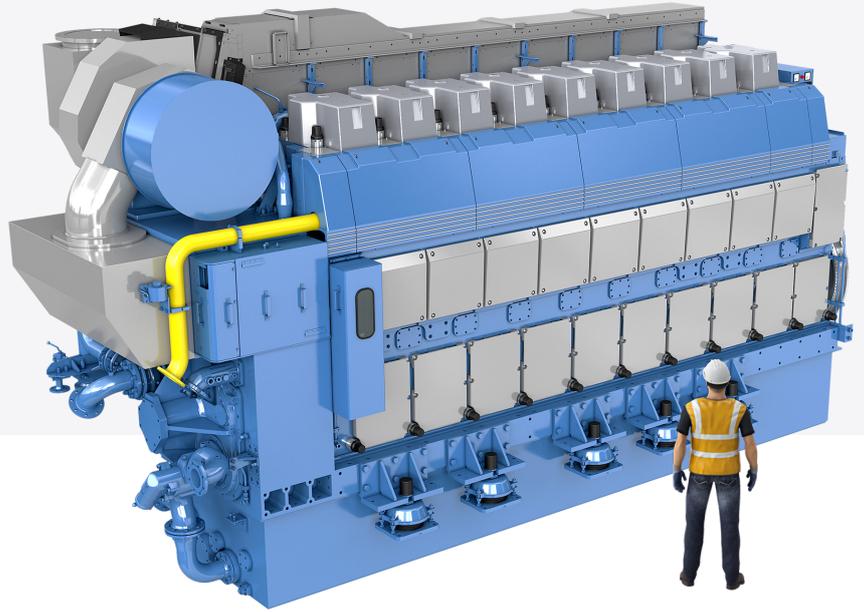


B36:45L

Propulsion
Natural Gas
3.6 - 5.4 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.

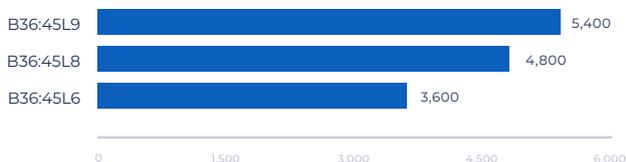
Benefits of Bergen

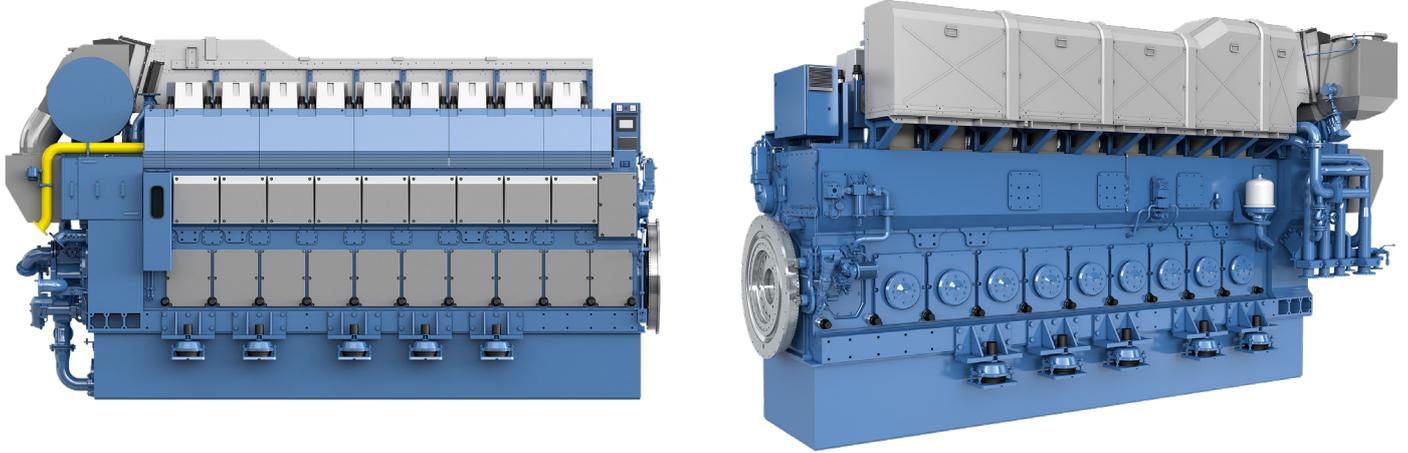
- High Efficiency Single-fuel Design**
 Excellent fuel efficiency with lower complexity than dual-fuel engines.
- Global Service & Support**
 Local teams provide fast, reliable service worldwide; modular, service-friendly design enables easier maintenance onboard.
- Compact, High Power**
 High power 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 B36:45L Propulsion Engine

Max. Cont Rating, kW

Product Range





Weight & Dimensions

	Engine Length (mm)	Foundation Length (mm)	Engine Width (mm)	Engine Height (mm)	Engine Weight (dry, kg)	Total Weight (Running Condition, kg)
B36:45L6 P	5,880	4,510	2,515	3,755	42,564	44,219
B36:45L8 P	6,915	5,550	2,720	3,945	49,983	53,083
B36:45L9 P	7,435	6,070	2,720	3,930	57,849	61,008

Technical Data

	B36:45L6 P	B36:45L8 P	B36:45L9 P
Number of Cylinders	6	8	9
Cylinder Diameter (mm)	360	360	360
Piston Stroke (mm)	450	450	450
Engine Speed (r/min)	750	750	750
Mean Piston Speed (m/s)	11.2	11.2	11.2
Max. Cont Rating (MCR, kW)	3,600	4,800	5,400
Max. Cont Rating (MCR, BHP Metric)	4,895	6,525	7,340
Mean Effective Pressure (BMEP, bar)	20.97	20.97	20.97
Specific Energy Consumption (kJ/kWh)	7,420	7,420	7,375
Specific Lubricating Oil Consumption (g/kWh)	0.3	0.3	0.3
Cooling Water Temp., Engine Outlet (°C)	90	90	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.