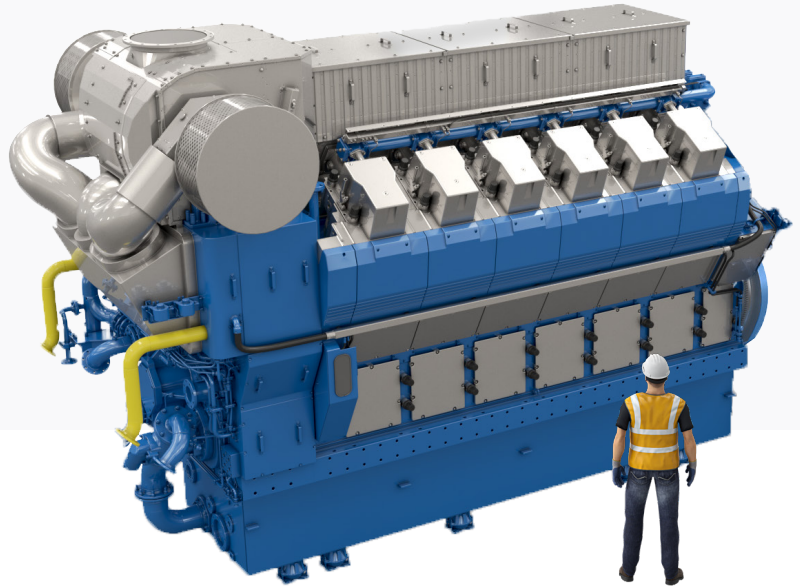


B36:45V

Propulsion
Natural Gas
7.2 - 9.6 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 , CO_2 , 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.

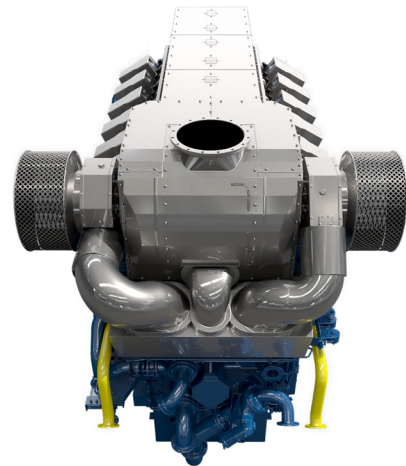
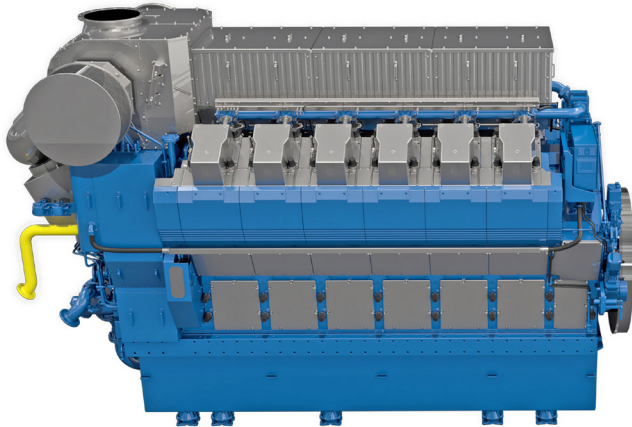
Product Range

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



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.



WEIGHT & DIMENSIONS

	Engine Length (mm)	Engine Width (mm)	Engine Height (mm)	Engine Weight (dry, kg)
B36:45V12 P	6,960	3,280	4,590	71,900
B36:45V16 P	8,700	3,750	4,730	97,000

TECHNICAL DATA

	B36:45V12 P	B36:45V16 P
Number of Cylinders	12	16
Cylinder Diameter (mm)	360	360
Piston Stroke (mm)	450	450
Engine Speed (r/min)	750	750
Mean Piston Speed (m/s)	11.2	11.2
Max. Cont Rating (MCR, kW)	7,200	9,600
Mean Effective Pressure (BMEP, bar)	21	21
Specific Energy Consumption (kJ/kWh)	7,370	7,350
Specific Lubricating Oil Consumption (g/kWh)	0.4	0.4
Cooling Water Temp. Engine Outlet (*C)	90	90

GENERAL CONDITIONS B36:45:

All technical data is valid for 100% load, including two engine driven pumps. Engine power definition and fuel consumption are according to ISO 3046 and ISO 8528. Generator rating and performance in accordance with IEC 60034, power factor 1. NOx Emissions 500 mg/Nm³ @ 5% O₂. Reference fuel is Natural Gas with lower heating value of 36 MJ/nm³, methane number 80. Data for heat dissipation and exhaust gas are based on a tolerance of ± 5%, turbocharger air suction temp 25°C. Fast start time to be evaluated on a project specific basis. Engine must be specified accordingly and maintained in hot standby mode. For low load levels specified the engine can be operate continuous. For lower loads, certain recommendations apply. Due to continuous development, some data may change.