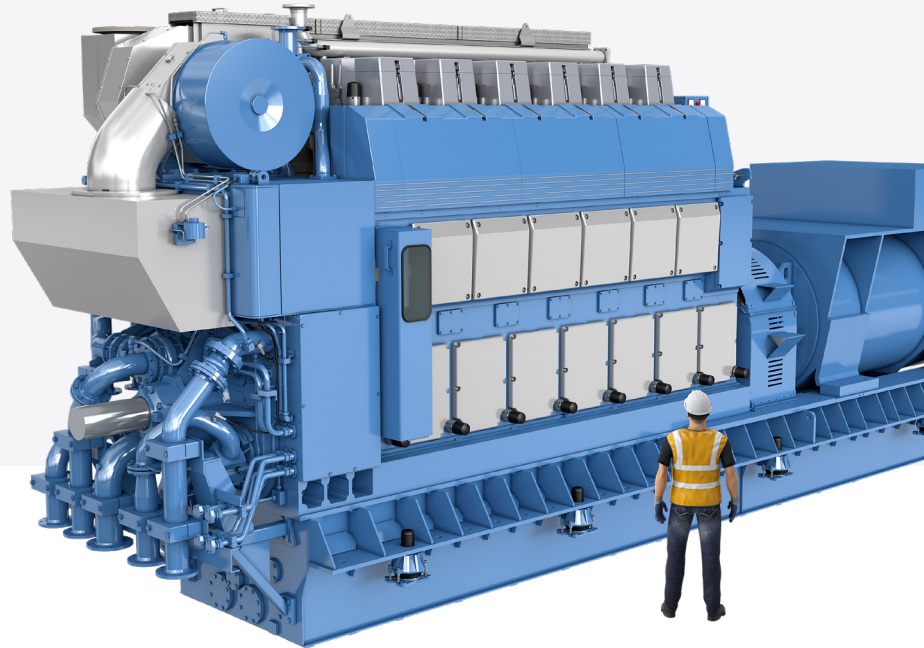


B33:45L

Generator Set
Liquid Fuel
3.5 - 5.2 MW

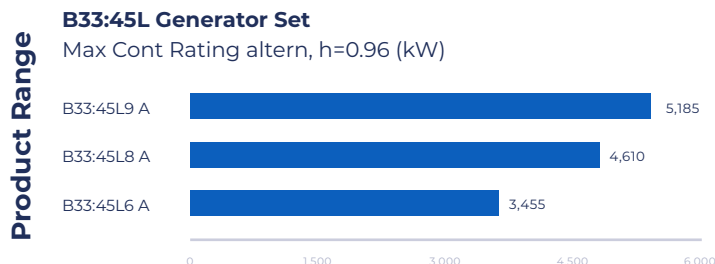


Cost Effective Operation & Design

Developed in collaboration with shipbuilders, designers, and operators, the **Bergen B33:45L** delivers the performance and efficiency modern marine operations demand. Its modular design and high power per cylinder reduce installation time, save space, and lower operating costs—without compromising on reliability. With service intervals of up to 25,000 hours and low vibration and noise levels, it ensures smooth, uninterrupted operation over the long term.

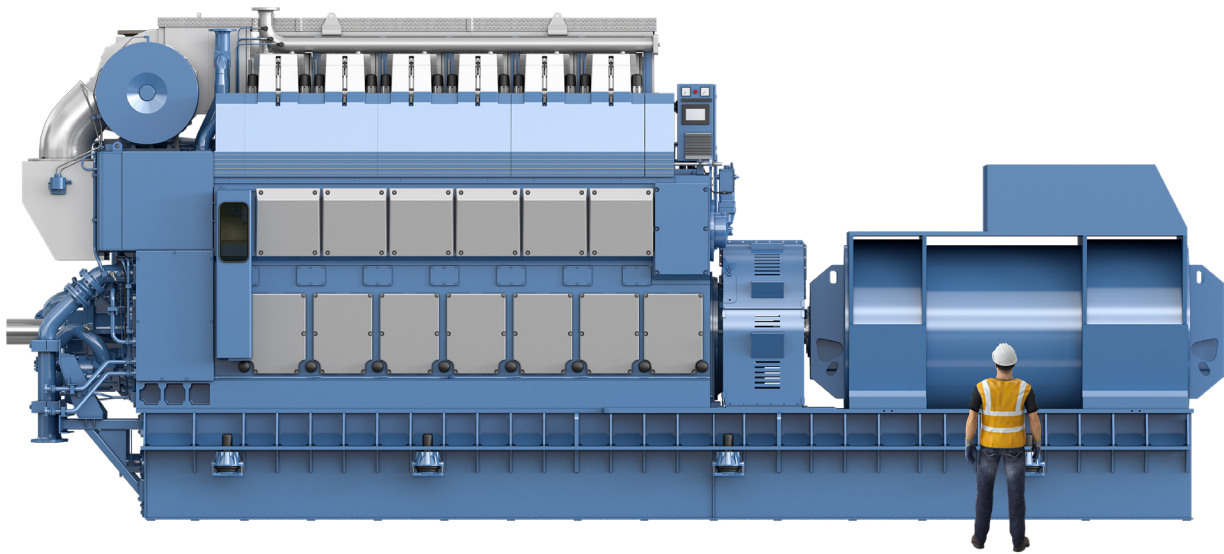
The **B33:45L** meets IMO Tier II emissions without aftertreatment and easily achieves Tier III with SCR, offering flexibility in a changing regulatory landscape.

Built for future fuel adaptability via Bergen's B3X Platform, it can switch between liquid and gas operation to suit evolving needs. Backed by 24/7 global support and built in Europe with premium components, it's a robust, future-ready solution trusted by operators worldwide.



Benefits of Bergen

- Fuel Flexibility**
 Approved for use with biofuels and certified methanol/ethanol-ready. Compatible with hydrogen blends up to 25% by volume. Development ongoing for higher hydrogen concentrations and ammonia fuel concepts.
- Exceptional Fuel Efficiency & Lifecycle Costs**
- Modular, Service-Friendly Design**
- High Power Density & Installation Flexibility**
 Flexible mounting and turbo outlet options, dual-end PTO, and split genset configurations simplify ship design and yard installation.
- Proven Reliability & European Quality**
 Trusted by leading owners and navies for over 80 years.



Weight & Dimensions

	Engine Length (mm)	Engine Width (mm)	Engine Height (mm)	Engine Weight (dry, kg)	Alternator Length (mm)	Alternator Weight (dry, kg)	Total Length of Generator Set (mm)	Total Weight of Generator Set (dry, kg)
B33:45L6 A	5,890	2,710	4,100	45,159	3,885	17,000	9,775	65,159
B33:45L8 A	6,985	2,985	4,370	59,974	3,835	20,700	10,820	80,674
B33:45L9 A	7,510	2,985	4,385	65,966	3,730	25,000	11,240	90,966

Technical Data

	720 r/min			750 r/min		
	B33:45L6 A	B33:45L8 A	B33:45L9 A	B33:45L6 A	B33:45L8 A	B33:45L9 A
Number of Cylinders	6	8	9	6	8	9
Cylinder Diameter (mm)	330	330	330	330	330	330
Piston Stroke (mm)	450	450	450	450	450	450
Engine Speed (r/min)	720	720	720	750	750	750
Mean Piston Speed (m/s)	10.8	10.8	10.8	11.2	11.2	11.2
Max. Cont Rating (MCR, kW)	3,600	4,800	5,400	3,600	4,800	5,400
Max. Cont Rating Altern, h=0.96 (kWel)	3,455	4,610	5,185	3,455	4,610	5,185
Max. Cont Rating altern, Cos f=0.8 (kVa)	4,320	5,765	6,480	4,320	5,765	6,480
Mean Effective Pressure (BMEP, bar)	25.98	25.98	25.98	24.94	24.94	24.94
Specific Lubricating Oil Consumption (g/kWh)	0.5	0.5	0.5	0.5	0.5	0.5
Specific Fuel Consumption (g/kWh)	173	175	173	175	174	173
Cooling Water Temp. Engine Outlet (°C)	90	90	90	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, using diesel-oil with a net heating value of 42.7 MJ/kg and no engine driven pumps.
- Specific lub. Oil consumption is for guidance only.

DISCLAIMER

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