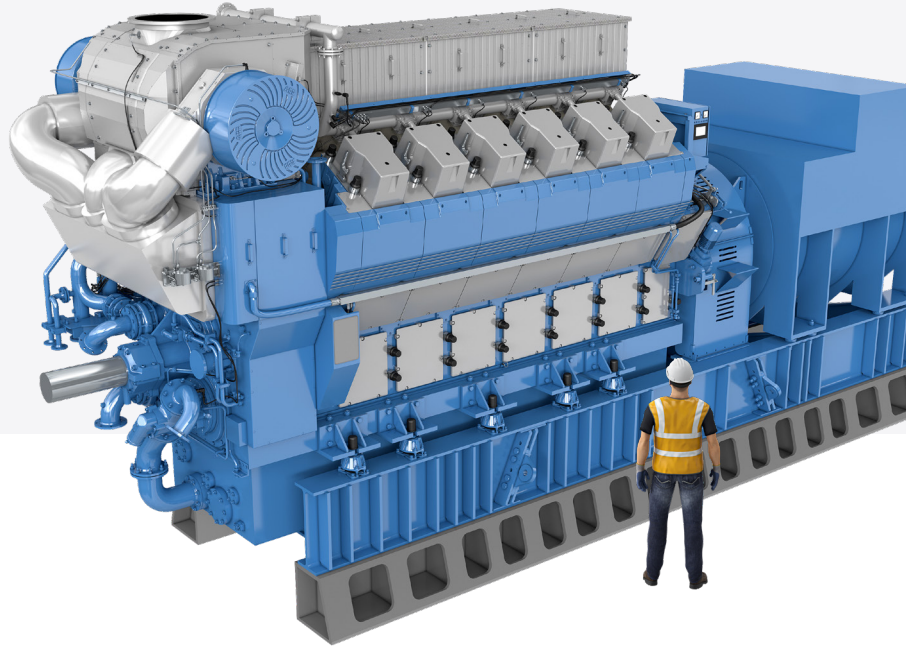


B33:45V

Generator Set

Liquid Fuel

6.9 - 9.2 MW



Cost Effective Operation & Design

Developed with input from operators, designers, and shipbuilders, the **Bergen B33:45V** combines modular, lightweight construction with high power per cylinder to save space and reduce costs.

With service intervals up to 25,000 hours, it offers proven reliability and low maintenance downtime. The engine meets IMO Tier II without aftertreatment and achieves Tier III with SCR, adapting easily to environmental regulations. Fast load response and low vibration ensure smooth operation.

Featuring 24/7 support, and a network of global service partnerships, Bergen's flexible B3X platform allows easy fuel conversion between liquid and gas for future-proof versatility. Built in Europe with premium components, it's trusted worldwide for efficiency and sustainability.

Product Range

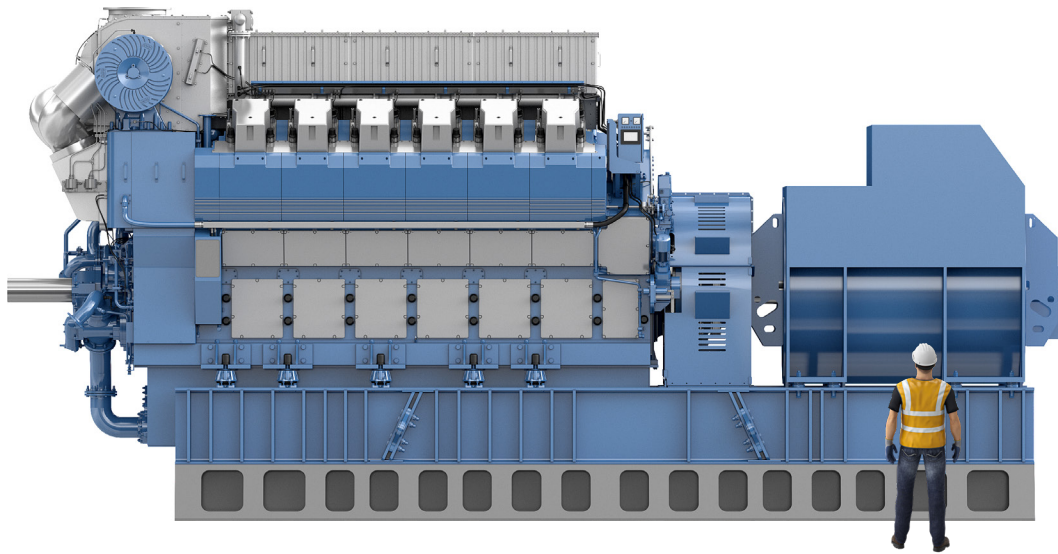
B33:45V Generator Set

Max Cont Rating altern, h=0.96 (kW)



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)
B33:45V12 A	7,155	3,280	4,590	72,875	4,095	35,000	11,250	107,875
B33:45V16 A	8,400	3,660	5,010	99,700	4,500	31,000	12,900	130,700

Technical Data

	720 r/min		750 r/min	
	B33:45V12 A	B33:45V16 A	B33:45V12 A	B33:45V16 A
Number of Cylinders	12	16	12	16
Cylinder Diameter (mm)	330	330	330	330
Piston Stroke (mm)	450	450	450	450
Engine Speed (r/min)	720	720	750	750
Mean Piston Speed (m/s)	10.8	10.8	11.2	11.2
Max. Cont Rating (MCR, kW)	7,200	9,600	7,200	9,600
Max. Cont Rating Altern, h=0.96 (kWel)	6,910	9,215	6,910	9,215
Max. Cont Rating altern, Cos f=0.8 (kVa)	8,640	11,520	8,640	11,520
Max. Cont. Rating altern, Cos f=0.9 (kVa)	7,680	10,240	7,680	10,240
Mean Effective Pressure (BMEP, bar)	25.98	25.98	24.94	24.94
Specific Lubricating Oil Consumption (g/kWh)	0.5	0.5	0.5	0.5
Specific Fuel Consumption (g/kWh)	173	176	173	176
Cooling Water Temp. Engine Outlet (°C)	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.