

Medium-speed power generation

B33:45L LIQUID FUEL

600 MW per cylinder in a compact design, with class leading efficiency levels and low life-cycle costs.

Defined by our customers

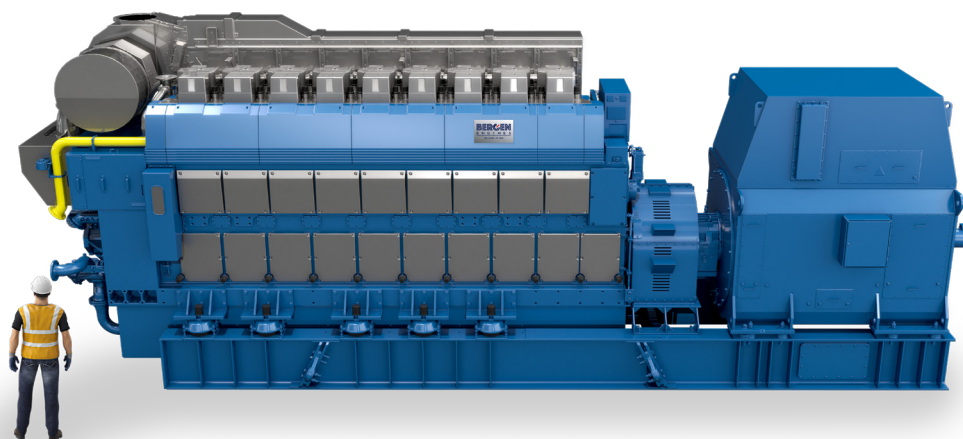
Close dialogue with our customers and the service organisation has given valuable input to the development of more efficient solutions – both for assembly and maintenance. The result is a robust and powerful engine, delivering up to 600kW per cylinder, with world class efficiency and reduced life-cycle costs.

Our latest engine series is built on more than 70 years of experience. Our legacy, with all its valuable knowledge and experience, has been an important foundation for the development and testing of new technologies. The B33:45 liquid fuel engine is designed to produce up to 5.4 MW of mechanical power with optimised combustion technology and excellent load responsiveness. The design has been driven by

stringent requirements for lower exhaust emissions, highest possible electrical and heat recovery efficiency, coupled with extreme reliability.

Your benefits

- World class efficiencies
- 600 kW mechanical output per cylinder
- World class fuel consumption
- Exceptionally low emissions
- Simple, modular and robust design
- Low lifecycle costs
- Excellent load responsiveness
- Convertible to gas fuel operation

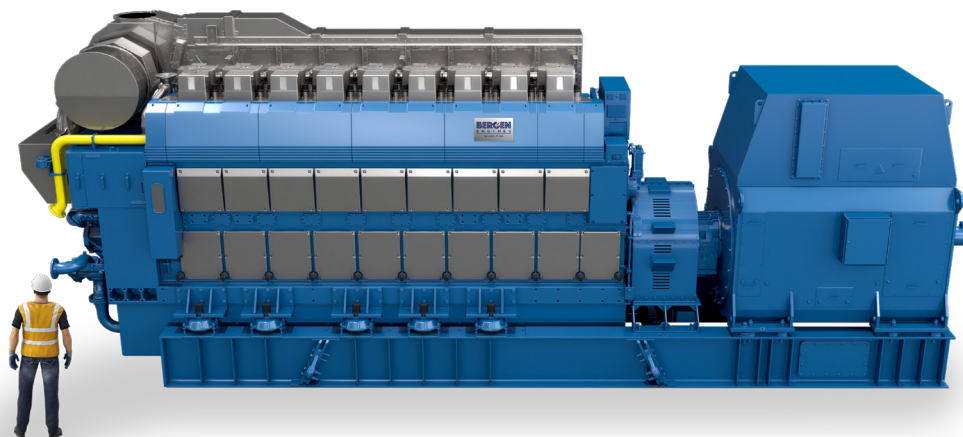


Main dimensions - cylinder diameter 330 mm, piston stroke 450 mm

Weight and dimensions	Weight kg	Length	Width	Height
B33:45L6 A	66200	9280	2600	4110
B33:45L8 A	87500	10240	3000	4260
B33:45L9 A	92400	11250	3400	4170
Technical data	Unit	B33:45L6 A	B33:45L8 A	B33:45L9 A
Number of cylinders		6	8	9
Engine speed	r/min	750	750	750
Electrical output	kW	3170	4230	4760
Charge air cooler HT	kW	850	1150	1280
Charge air cooler LT	kW	250	320	400
Lube oil cooler	kW	390	520	580
Jacket water cooler	kW	460	610	690
Exhaust mass	kg/h	21700	28900	32600
Exhaust gas temperature	°C	300	300	300
Nom. el. efficiency	%	47.7	47.7	47.7

General conditions

- Depending on type of generator the weight, performance and dimensions may change
- All technical data is valid at 100% load, with no engine driven pumps
- Engine power definition is according to ISO 3046-1 (ICFN)
- Generator standard IEC 60034-1, power factor 1
- Specific fuel oil consumption is measured at test bed according to ISO 3046-1, using diesel oil with a net heating value of 42.7 MJ/kg
- The information herein is subject to change without notice and the given data does not carry any contractual value. Bergen Engines assumes no responsibility for any errors that may appear



Main dimensions - cylinder diameter 330 mm, piston stroke 450 mm

Weight and dimensions	Weight kg	Length	Width	Height
B33:45L6 A	66200	9280	2600	4110
B33:45L8 A	87500	10240	3000	4260
B33:45L9 A	92400	11250	3400	4170
Technical data	Unit	B33:45L6 A	B33:45L8 A	B33:45L9 A
Number of cylinders		6	8	9
Engine speed	r/min	720	720	720
Electrical output	kW	3170	4220	4760
Charge air cooler HT	kW	850	1150	1280
Charge air cooler LT	kW	250	320	380
Lube oil cooler	kW	390	520	580
Jacket water cooler	kW	460	610	690
Exhaust mass	kg/h	21700	28900	32600
Exhaust gas temperature	°C	300	300	300
Nom. el. efficiency	%	47.6	47.6	47.7

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