

Medium-speed commercial marine liquid fuel engines

C25:33 IN-LINE GENERATING SET

A compact, powerful and reliable engine with low emissions and proven cost-effective operation.

Proven quality

The Bergen C-engine has been in service for decades and proven its reliability and high performance over time. The modularised design with a power pack that includes cylinder head, liner, piston and three-piece connecting rod makes service easy and cost-effective. Variable Valve Timing ensures high efficiency levels and excellent transient performance also at part load operation.

Your benefits

- World leading fast load response
- Stable frequency
- Super silent resilient mounting
- Certified to meet IMO Tier II requirements (except on 720/750 rpm)
- Competitive fuel and lubricating oil consumption
- No leakage of fuel to lubricating oil system
- Possibility of single bearing alternator
- High power to weight ratio
- Power pack unit for easy service
- Proven low life cycle cost
- Service friendly
- 24/7 support

Technical data for bergen C-engine at 900 and 1000 rpm

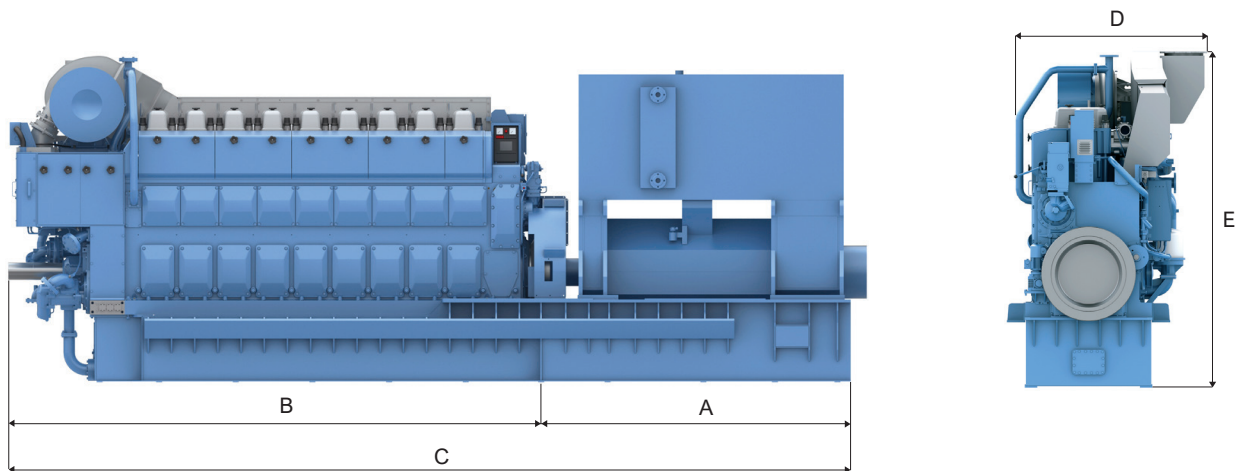
Engine type		C25:33L6A	C25:33L8A	C25:33L9A
Number of cylinders		6	8	9
Engine speed	RPM	900/1000	900/1000	900/1000
Mean piston speed	m/sec.	10/11	10/11	10/11
Max.cont rating (MCR)	kW	1920/2000	2560/2665	2880/3000
Max.cont rating altern, (h=0.96)	kW	1843/1920	2457/2558	2764
Max.cont rating altern, (Cosφ=0.8)	kVA	2304/2400	3071/3197	3455
Mean effective pressure (BMEP)	bar	26.4/24.7	26.4/24.7	26.4/24.7
Specific energy consumption	g/kWh	182/185	182/185	182/185
Specific lubricating oil consumption	g/kWh	0.7	0.7	0.7
Cooling water temp. engine outlet	°C	90	90	90

Engine ratings are according to ISO 3046/1. The above figures are based on conditions of 0-45°C ambient air temperature and max. 32°C seawater temperature. Specific fuel oil consumption is based on MDO with a net calorific value of 42.7 MJ/kg and no engine driven pumps. If engine driven pumps, add 0,5% for each pump.

Heavy fuel operation: The engines are designed for operations on Heavy fuel with viscosity up to 700 cSt at 50°C ISO 8217 RMH77. Ratings will be specified subject to type of application.

Waste heat recovery: Necessary data for arranging waste heat recovery plants (exhaust gas and cooling water) are available upon request.

Note: Due to continuous development, some data may be changed without notice.



Principal dimensions

Cylinder dia. 250 mm. Piston stroke 330 mm. All dimensions in mm.

ENGINE TYPE	A	B	C	D	E	ENGINE**	ALTERNATOR	TOTAL
C25:33L6A	2799	4176	6975	1898	3195	21500 kg	9985 kg	31485 kg
C25:33L8A	2999	4936	7935	1898	3195	27800 kg	12200 kg	40000 kg
C25:33L9A	2999	5316	8315	1992	3230	31000 kg	12200 kg	43200 kg

Dimensions given apply for resiliently mounted engines. Choice of alternator may effect the given dimensions and weights.

Engine** = weight engine and foundation.

Weight dry engine.