

# Rolls-Royce diesel and gas engines

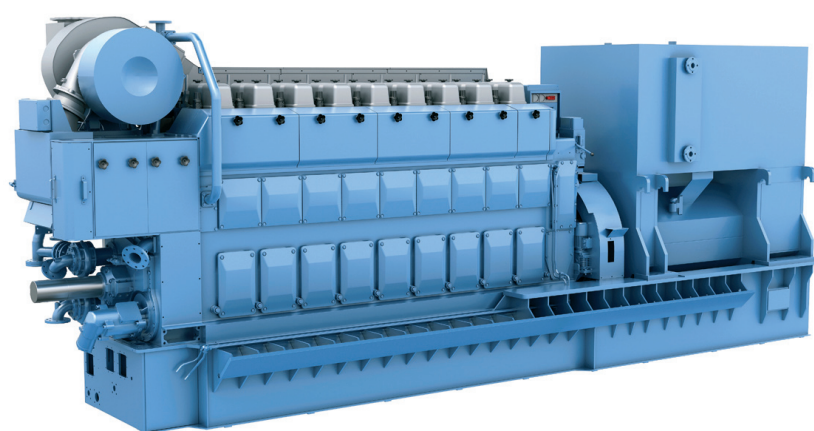
Bergen C25:33L - auxiliary engine

## Features

- Compact and powerful
- Low fuel oil consumption
- No leakage of fuel to lubricating oil system
- Designed for start & stop on HFO
- Service friendly
  - Easily detachable cylinder unit
- Impulse type turbo charging system
  - Optimum response at all engine load points
- Super silent resilient mounting
- Designed for single bearing alternators
- Stable frequency
- Available for clean design as an option

## Choose Rolls-Royce engines for cost-effective operation.

For more than sixty years of operation, we have produced four stroke medium speed engines for marine propulsion, marine auxiliary and power generation to customers world wide.



## Technical data for the Rolls-Royce C-engine with 720 to 1000 rpm - auxiliary type engine

Engine type		C25:33L6A	C25:33L8A	C25:33L9A	C25:33L6A	C25:33L8A	C25:33L9A
Number of cylinders		6	8	9	6	8	9
Engine speed	RPM	720/750	720/750	720/750	900/1000	900/1000	900/1000
Mean piston speed	m/sec.	7.9/8.3	7.9/8.3	7.9/8.3	10/11	10/11	10/11
Max.cont rating (MCR)	kW	1440/1500	1920/2000	2160/2250	1920/2000	2560/2665	2880/3000
Max.cont rating altern, (h=0.95)	kW	1370/1425	1825/1900	2050/2135	1843/1920	2458/2560	2765/2880
Max.cont rating altern, (Cosφ=0.8)	kW <sub>a</sub>	1710/1780	2280/2375	2560/2670	2304/2400	3072/3200	3456/3600
Mean effective pressure (BMEP)	Bar	22.6/24.7	22.6/24.7	22.6/24.7	26.4/24.7	26.4/24.7	26.4/24.7
Specific fuel consumption	g/kWh	182/183	182/183	182/183	188/190 *	188/190 *	188/190 *
Specific lubricating oil consumption	g/kWh	0.7	0.7	0.7	0.7	0.7	0.7
Cooling water temp. engine outlet	°C	90	90	90	90	90	90

Engine ratings are according to ISO 3046/1. They also meet conditions of max.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 1 g/kWh for each pump.

\* Fuel consumption for Clean Design

## Heavy fuel operation

The engines are designed for operations on Heavy fuel with viscosity up to 55 cSt at 100°C ISO 8217 RMH55. Ratings will be specified subject to type of application.

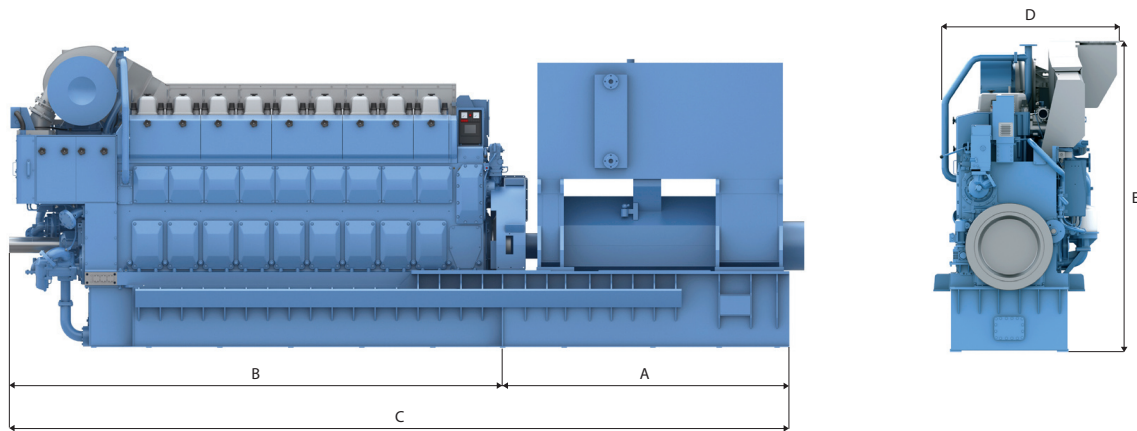
## Waste heat recovery

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 change without notice.

# Fact Sheet



## 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.



**Rolls-Royce**

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