

Rolls-Royce diesel and gas engines

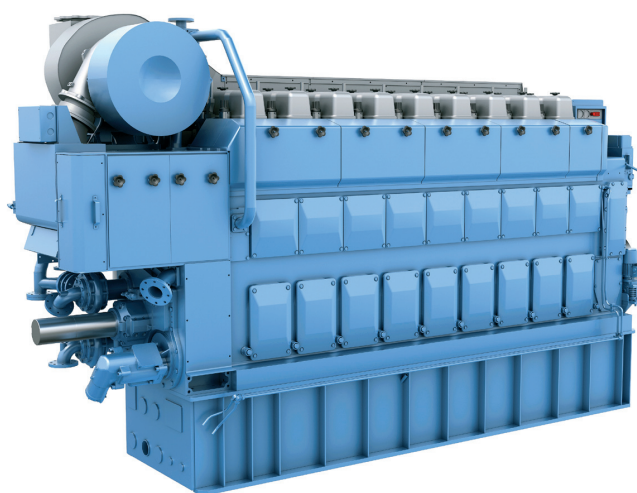
Bergen C25:33L - propulsion engine

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 loads
- Super silent resilient mounting
- 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 - propulsion type engine

Engine type		C25:33L6P	C25:33L8P	C25:33L9P	C25:33L6P	C25:33L8P	C25:33L9P
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	kW	1440/1500	1920/2000	2160/2250	1920/2000	2560/2665	2880/3000
Max.cont rating (MCR)	BHP (metric)	1959/2040	2611/2720	2938/3060	2610/2720	3480/3625	3915/4080
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.

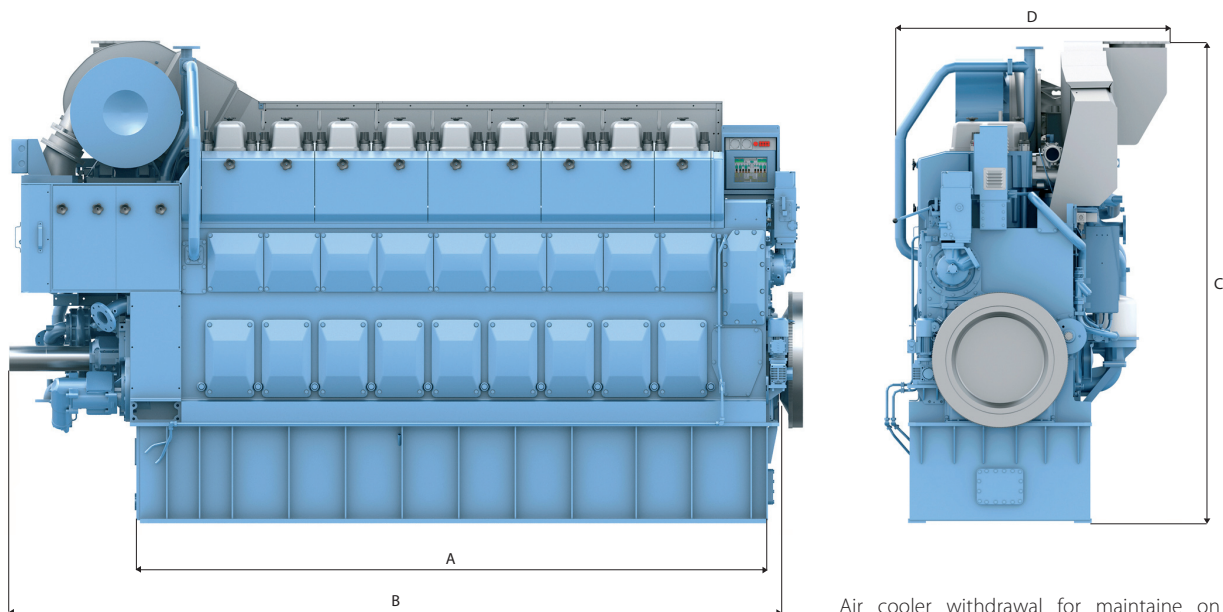
Waste heat recovery

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



Air cooler withdrawal for maintenance on request.

Principal dimensions

Cylinder dia. 250 mm. Piston stroke 330 mm.

All dimensions in mm.

Engine type	A	B	C	D	Weight dry engine**
C25:33L6P	3170	4036	3195	1748	17500 kg
C25:33L8P	3930	4796	3195	1748	20700 kg
C25:33L9P	4310	5176	3195	1842	23900 kg

Engine** = Engine and foundation.

Dimensions given apply for resiliently mounted engines.

Dimensions B excl. Flywheel.



Rolls-Royce

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