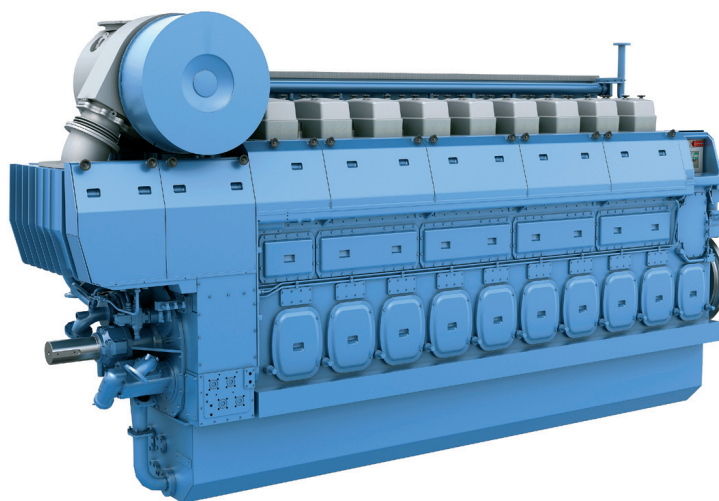


Rolls-Royce diesel and gas engines

Bergen B32:40 - 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
- 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 Bergen B-engine with 750 rpm - propulsion type engine

Engine type		B32:40L6P	B32:40L8P	B32:40L9P	B32:40V12P	B32:40V16P
Number of cylinders		6	8	9	12	16
Engine speed	RPM	750	750	750	750	750
Mean piston speed	m/sec.	10	10	10	10	10
Max.cont rating	kW	3000	4000	4500	6000	8000
Max.cont rating (MCR)	BHP (metric)	4080	5440	6120	8160	10080
Mean effective pressure (BMEP)	Bar	24.9	24.9	24.9	24.9	24.9
Specific fuel consumption	g/kWh	185	185	185	185	185
Specific lubricating oil consumption	g/kWh	0.8	0.8	0.8	0.8	0.8
Cooling water temp. engine outlet	°C	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.

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.

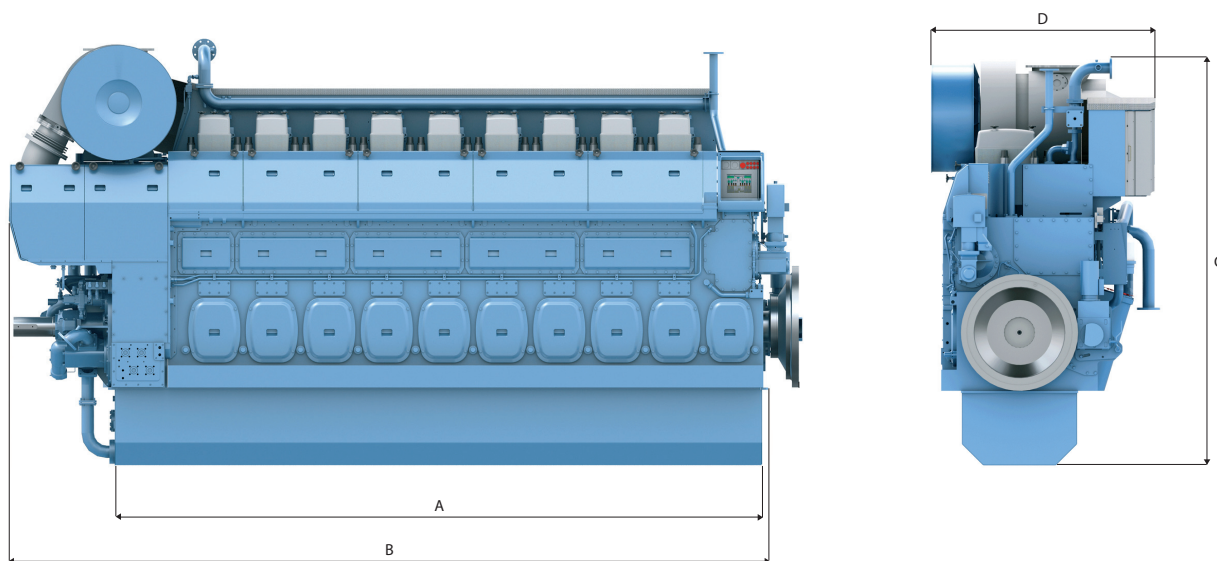
Waste heat recovery

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

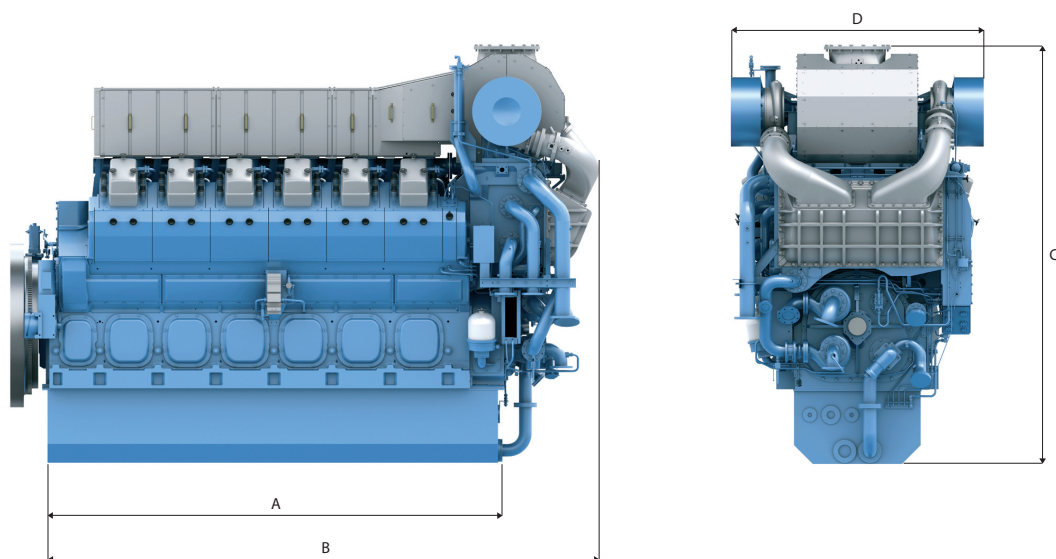


Principal dimensions

Cylinder dia. 320 mm. Piston stroke 400 mm.
All dimensions in mm.

Engine type	A	B	C	D	Weight dry engine**
B32:40L6P	4390	5383	3778	1882	33200 kg
B32:40L8P	5430	6422	3898	1955	40000 kg
B32:40L9P	5950	6942	3899	2003	45900 kg
B32:40V12P	4951	6040	4470	2712	53700 kg
B32:40V16P	6201	7698	4380	3192	62900 kg

Engine** = Engine and foundation.
Dimensions given apply for resiliently mounted engines.
Dimensions B excl. flywheel.



Rolls-Royce

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