

## D2842

### Engine description

#### Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Exhaust turbocharger with intercooler, boost pressure control with waste gate
- Number of valves: 2 valves per cylinder
- Fuel system: Direct fuel injection with Bosch injection pump
- Engine block: High-strength casting with integrated oil and water ducts and replaceable cylinder liners
- Engine lubrication: Closed system with forced feeding, oil cooling and filtering
- Type of cooling: Seawater cooled heat exchanger
- Engine control: Electronic injection control for LE 410  
Electronic engine monitoring unit
- Fuel: DMX fuel to ISO 8217, DIN EN 590
- Average TBO: 10,000–12,000 operating hours
- Oil change interval: 400 operating hours

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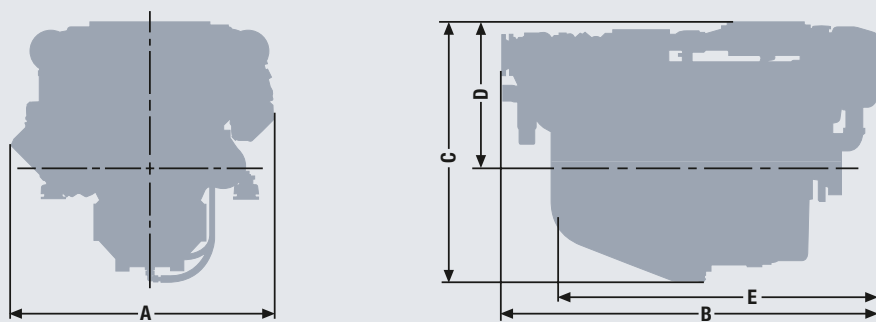
## Technical data

### Technical features D2842

Type designation		LE 410 <sup>EDC</sup>
Displacement	l	21.93
Nominal rating <sup>1)</sup>	kW (hp)	749 (1,019)
Rated speed	rpm	2,100
Torque at rated speed	Nm	3,406
Maximum torque	Nm	3,700
at speed	rpm	1,400–1,800
Specific fuel consumption <sup>2)</sup>	g/kWh	222
Fuel consumption <sup>2)</sup>	l/h	198
Classifiable		✓
Exhaust gas status		IMO Tier 2, RCD 94/ 25/EC

1) Rating according to DIN 3046-1

2) Consumption at rated power



### Dimensions D2842

Type designation		LE 410 <sup>EDC</sup>
A-Overall width	mm	1,227
B-Overall length	mm	1,795
C-Overall height	mm	1,216
D-Top of engine to crankshaft centre	mm	685
E-Length of engine from front end to edge of flywheel housing	mm	1,492
Average weight of engine ready for installation (dry)	kg	1,860

For detailed examinations of installation dimensions, please order drawings from our factory.

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## Power charts

D2842 LE 410<sup>EDC</sup>

