

D2862

Engine description

Characteristics

- Cylinders and arrangement: 12 cylinders in V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and wastegate
- Number of valves: 4 valves per cylinder
- Fuel system: Common Rail direct fuel injection with electronic control
- 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: Plate heat exchanger seawater cooled
- Engine control: Electronic injection control (EDC)
Electronic engine monitoring including diagnostic unit
- Fuel: DIN EN 590
- Average TBO: 12,000 operating hours
- Oil change interval: 500 operating hours

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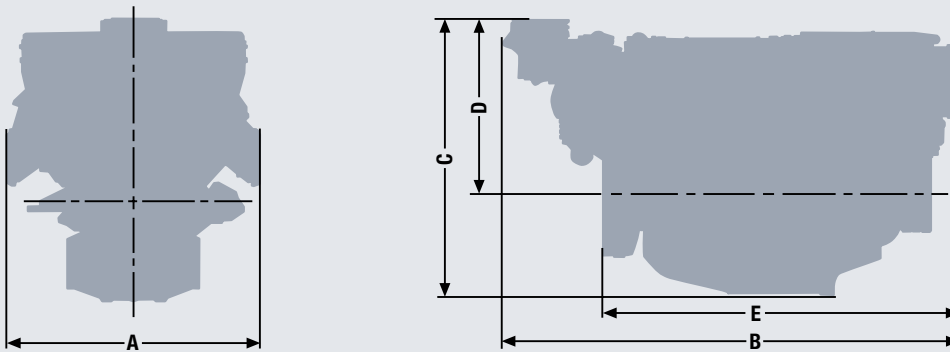
Technical data

Technical features D2862

Type designation		LE 422	LE 425
Displacement	l	24.24	24.24
Nominal rating ¹⁾	kW (hp)	749 (1,019)	749 (1,019)
Rated speed	rpm	2,100	2,100
Torque at rated speed	Nm	3,406	3,406
Maximum torque	Nm	3,780	3,770
at speed	rpm	1,300–1,900	1,100–1,900
Specific fuel consumption ²⁾	g/kWh	207	215
Fuel consumption ²⁾	l/h	185	192
Classifiable		✓	✓
Exhaust gas status		IMO Tier 2, RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3, RCD 94/25/EC, 97/68/EC

1) Rating according to DIN 3046-1

2) Consumption at rated power



Dimensions D2862

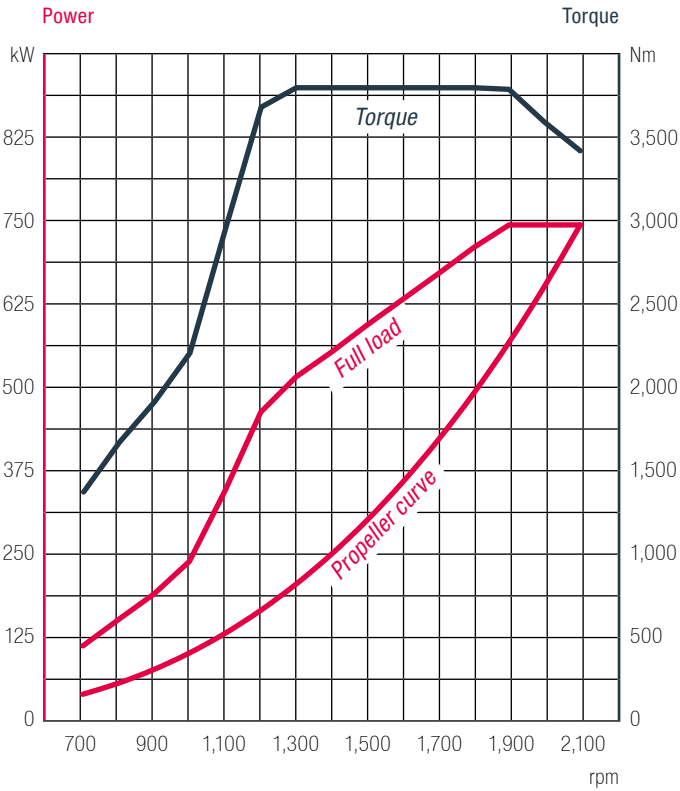
Type designation		LE 422/425
A-Overall width	mm	1,270
B-Overall length	mm	2,230
C-Overall height	mm	1,280
D-Top of engine to crankshaft centre	mm	815
E-Length of engine from front end to edge of flywheel housing	mm	1,614
Average weight of engine ready for installation (dry)	kg	2,270

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

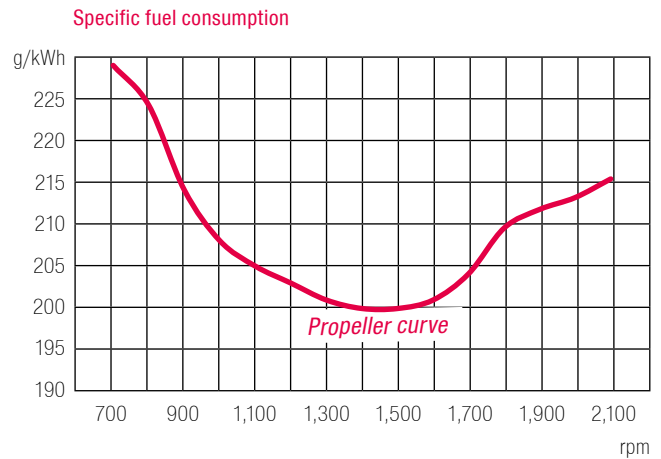
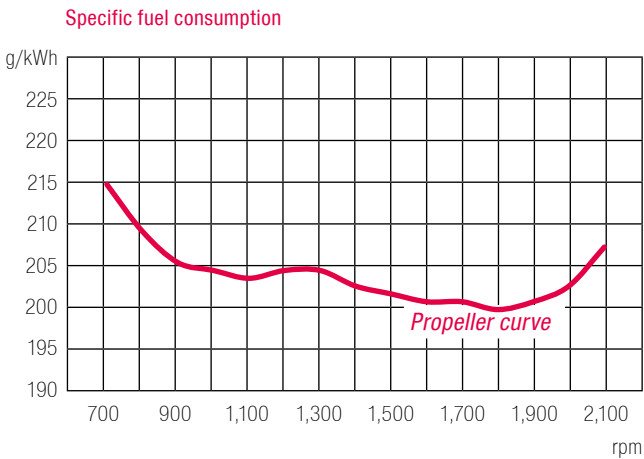
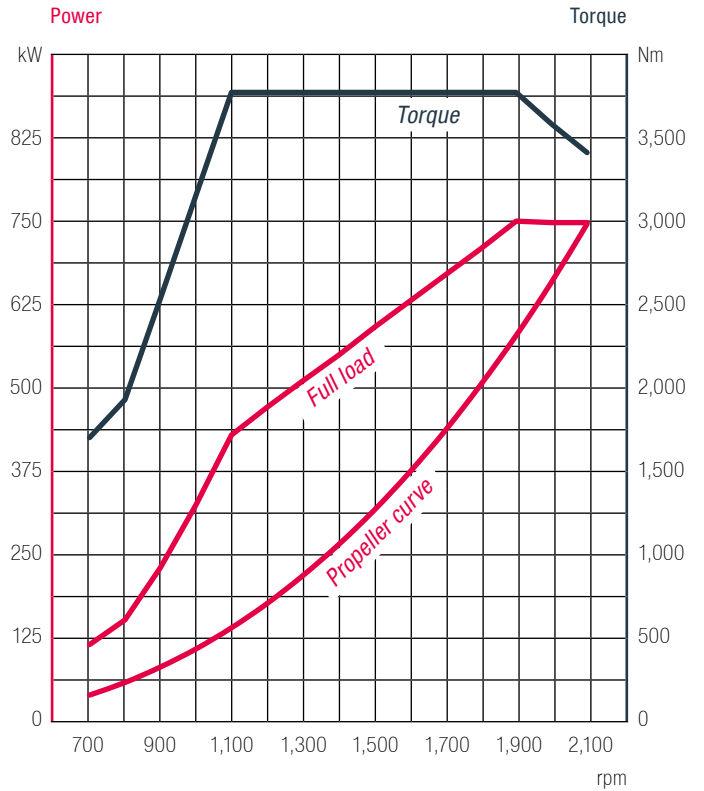
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Power charts

D2862 LE 422



D2862 LE 425



D2862

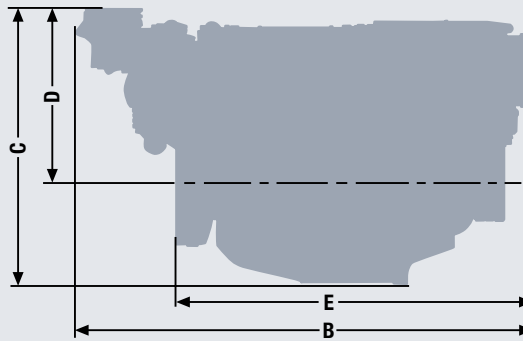
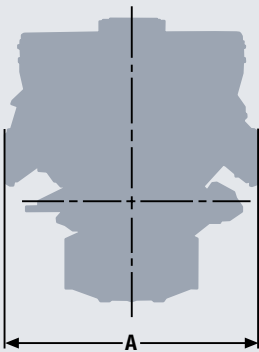
Technical data

Technical features D2862

Type designation		LE 432	LE 435
Displacement	l	24.24	24.24
Nominal rating ¹⁾	kW (hp)	882 (1,200)	882 (1,200)
Rated speed	rpm	2,100	2,100
Torque at rated speed	Nm	4,010	4,010
Maximum torque	Nm	4,450	4,450
at speed	rpm	1,300–1,900	1,400–1,900
Specific fuel consumption ²⁾	g/kWh	211	208
Fuel consumption ²⁾	l/h	222	218
Classifiable		✓	✓
Exhaust gas status		IMO Tier 2, RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3, RCD 94/25/EC, 97/68/EC

1) Rating according to DIN 3046-1

2) Consumption at rated power



Dimensions D2862

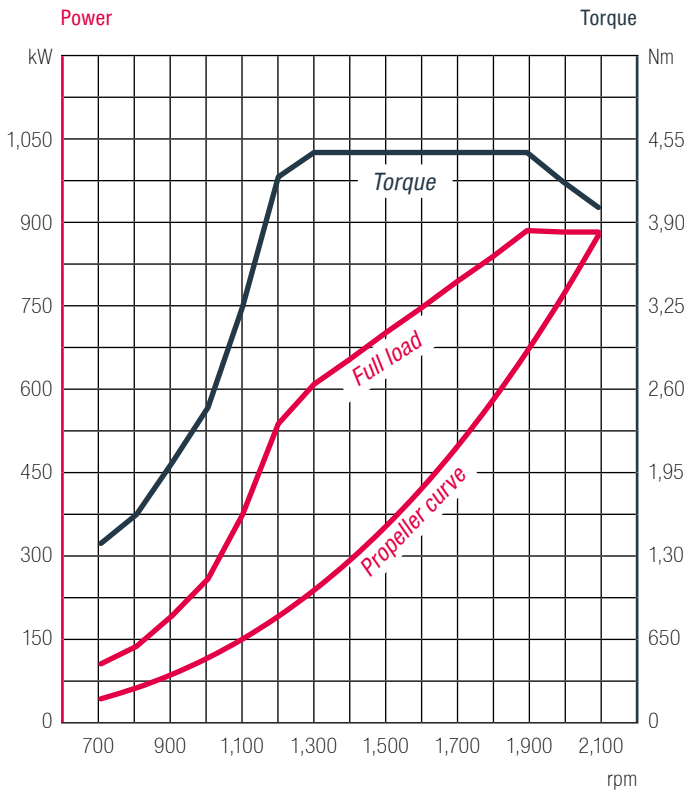
Type designation		LE 432/435
A-Overall width	mm	1,270
B-Overall length	mm	2,230
C-Overall height	mm	1,280
D-Top of engine to crankshaft centre	mm	815
E-Length of engine from front end to edge of flywheel housing	mm	1,614
Average weight of engine ready for installation (dry)	kg	2,270

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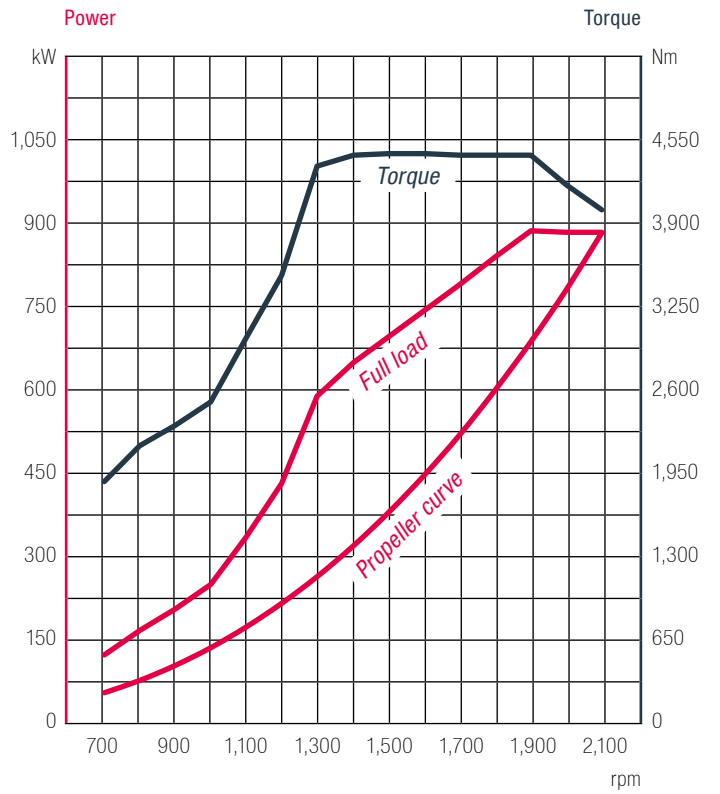
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Power charts

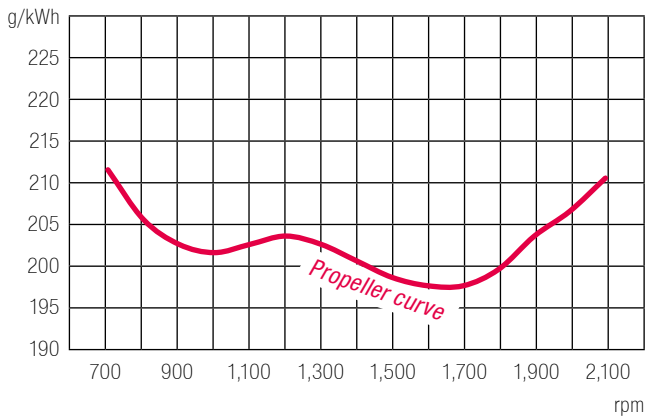
D2862 LE 432



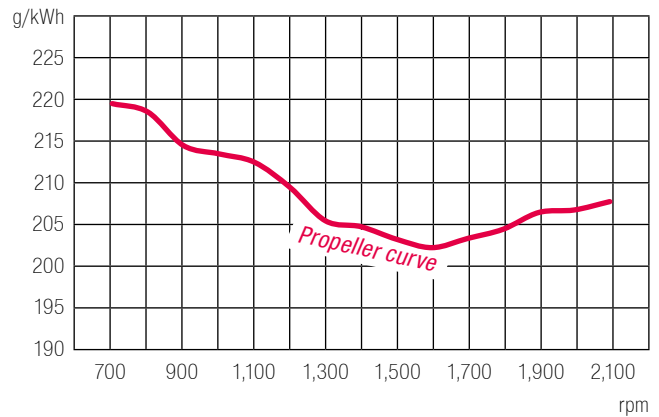
D2862 LE 435



Specific fuel consumption



Specific fuel consumption



D2862

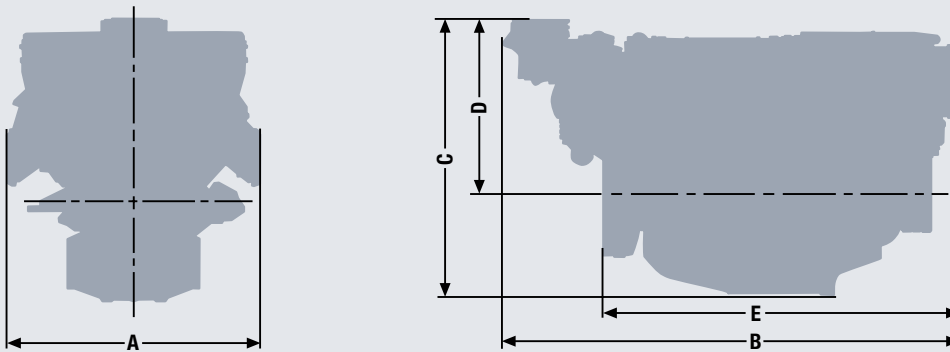
Technical data

Technical features D2862

Type designation		LE 463	LE 466
Displacement	l	24.24	24.24
Nominal rating ¹⁾	kW (hp)	1,029 (1,400)	1,029 (1,400)
Rated speed	rpm	2,100	2,100
Torque at rated speed	Nm	4,680	4,680
Maximum torque	Nm	5,120	5,180
at speed	rpm	1,300–1,900	1,300–1,900
Specific fuel consumption ²⁾	g/kWh	210	209
Fuel consumption ²⁾	l/h	257	256
Classifiable		✓	✓
Exhaust gas status		IMO Tier 2, RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3, RCD 94/25/EC, 97/68/EC

1) Rating according to DIN 3046-1

2) Consumption at rated power



Dimensions D2862

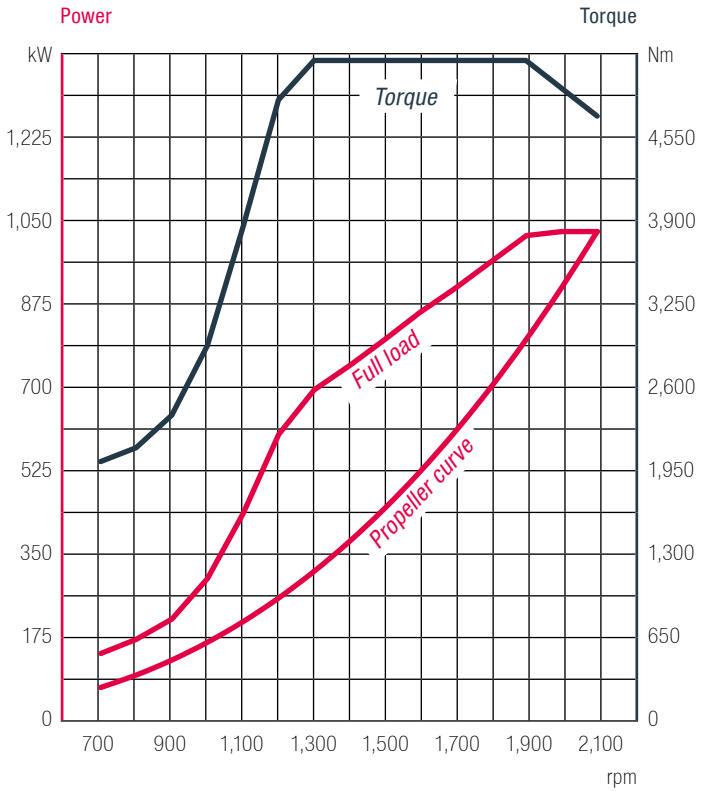
Type designation		LE 463/466
A-Overall width	mm	1,270
B-Overall length	mm	2,230
C-Overall height	mm	1,280
D-Top of engine to crankshaft centre	mm	815
E-Length of engine from front end to edge of flywheel housing	mm	1,614
Average weight of engine ready for installation (dry)	kg	2,270

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

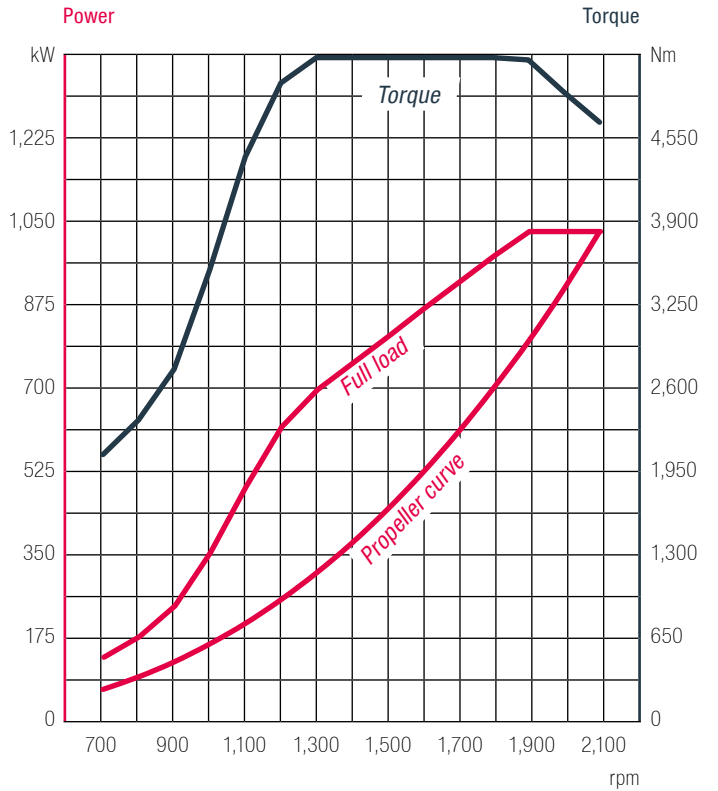
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Power charts

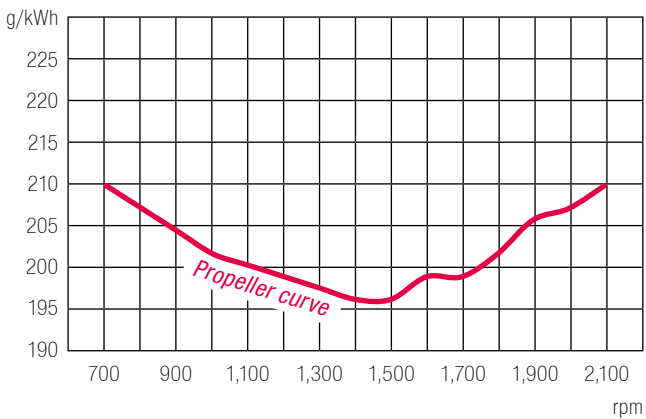
D2862 LE 463



D2862 LE 466



Specific fuel consumption



Specific fuel consumption

