

D2862



Characteristics

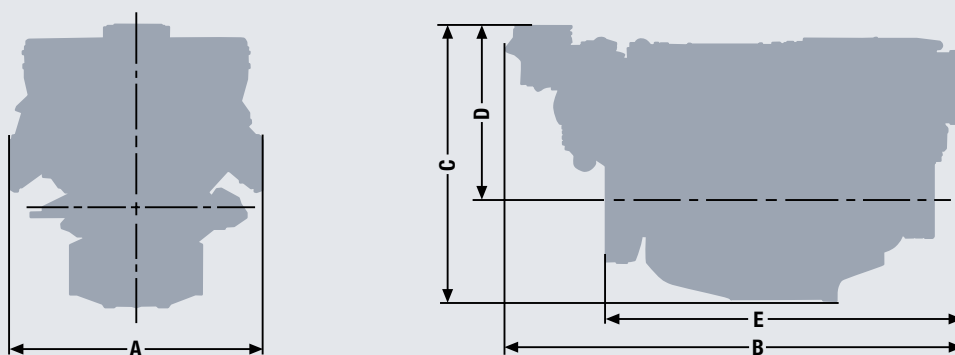
- Cylinders and arrangement: 12 cylinders in V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and wastegate
- Number of valves: 4 valves per cylinder
- Fuel system: Common Rail direct fuel injection with electronic control
- 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

Technical features

| 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 |
| Lowest specific fuel consumption | g/kWh | 207 | 200 |
| Classifiable | | ✓ | ✓ |
| Exhaust gas status | | IMO Tier II, 97/68/EC | IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC |

1) Rating according to DIN 3046-1

2) Until 09/30/2017



Dimensions

| Type designation | | LE 422/425 |
|---|----|------------|
| A-Overall width | mm | 1,153 |
| B-Overall length | mm | 2,130 |
| C-Overall height | mm | 1,230 |
| D-Top of engine to crankshaft centre | mm | 765 |
| E-Length of engine from front end to edge of flywheel housing | mm | 1,630 |
| Average weight of engine ready for installation (dry) | kg | 2,270 |

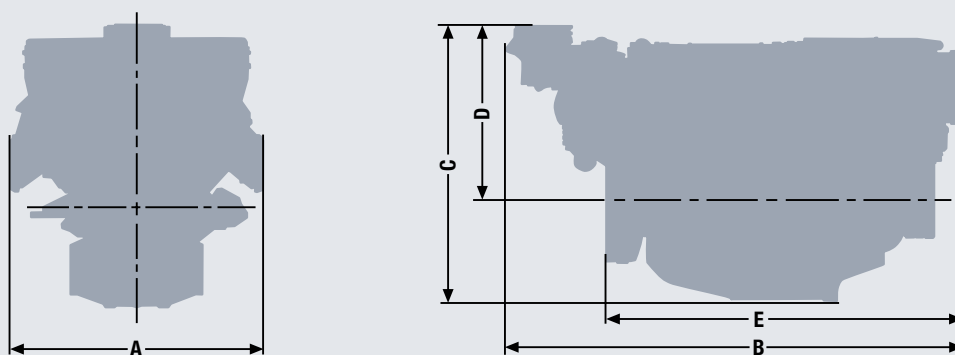
For detailed examinations of installation dimensions, please order drawings from our factory.

Technical features

| 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 |
| Lowest specific fuel consumption | g/kWh | 198 | 203 |
| Classifiable | | ✓ | ✓ |
| Exhaust gas status | | IMO Tier II, 97/68/EC | IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC |

1) Rating according to DIN 3046-1

2) Until 09/30/2017



Dimensions

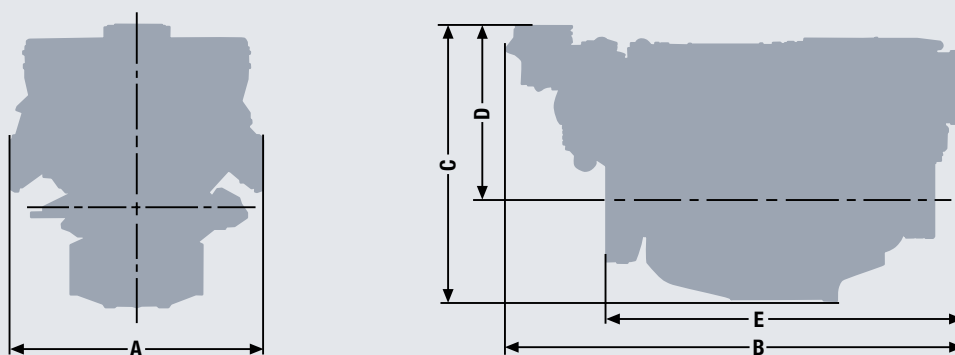
| Type designation | | LE 432/435 |
|---|----|------------|
| A-Overall width | mm | 1,153 |
| B-Overall length | mm | 2,130 |
| C-Overall height | mm | 1,230 |
| D-Top of engine to crankshaft centre | mm | 765 |
| E-Length of engine from front end to edge of flywheel housing | mm | 1,630 |
| Average weight of engine ready for installation (dry) | kg | 2,270 |

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

Technical features

| Type designation | | LE 463 | LE 466 | LE 483 |
|----------------------------------|---------|-----------------------|-----------------------|-----------------------|
| Displacement | l | 24.24 | 24.24 | 24.24 |
| Nominal rating ¹⁾ | kW (hp) | 1,029 (1,400) | 1,029 (1,400) | 1,066 (1,450) |
| Rated speed | rpm | 2,100 | 2,100 | 2,100 |
| Torque at rated speed | Nm | 4,680 | 4,680 | 4,847 |
| Maximum torque | Nm | 5,120 | 5,180 | 5,355 |
| at speed | rpm | 1,300–1,900 | 1,300–1,900 | 1,100–1,900 |
| Lowest specific fuel consumption | g/kWh | 200 | 203 | 209 |
| Classifiable | | ✓ | ✓ | ✓ |
| Exhaust gas status | | IMO Tier II, 97/68/EC | IMO Tier II, 97/68/EC | IMO Tier II, 97/68/EC |

1) Rating according to DIN 3046-1



Dimensions

| Type designation | | LE 463/466 | LE 483 |
|---|----|------------|--------|
| A-Overall width | mm | 1,153 | 1,153 |
| B-Overall length | mm | 2,130 | 2,139 |
| C-Overall height | mm | 1,230 | 1,272 |
| D-Top of engine to crankshaft centre | mm | 765 | 808 |
| E-Length of engine from front end to edge of flywheel housing | mm | 1,630 | 1,658 |
| Average weight of engine ready for installation (dry) | kg | 2,270 | 2,365 |

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