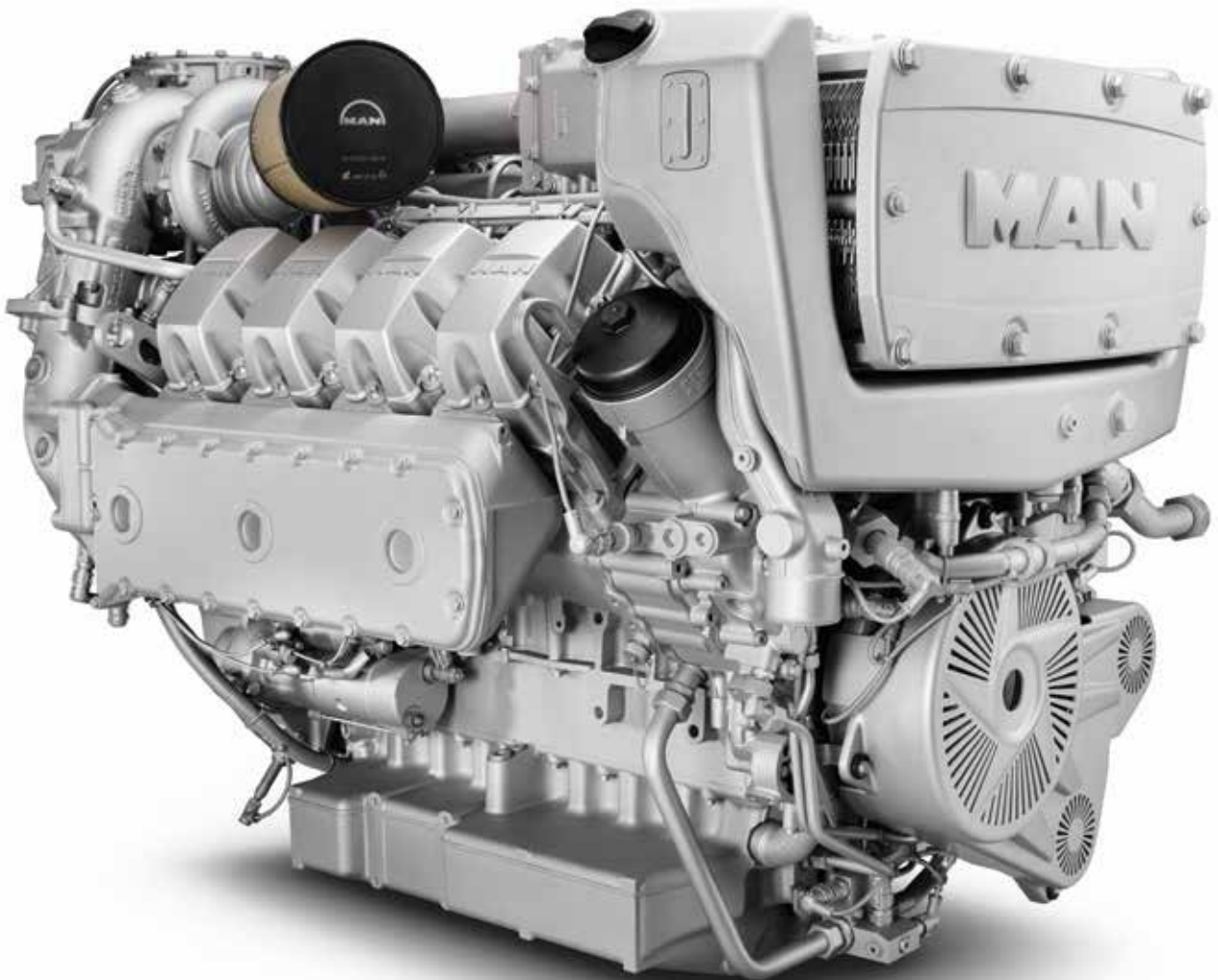


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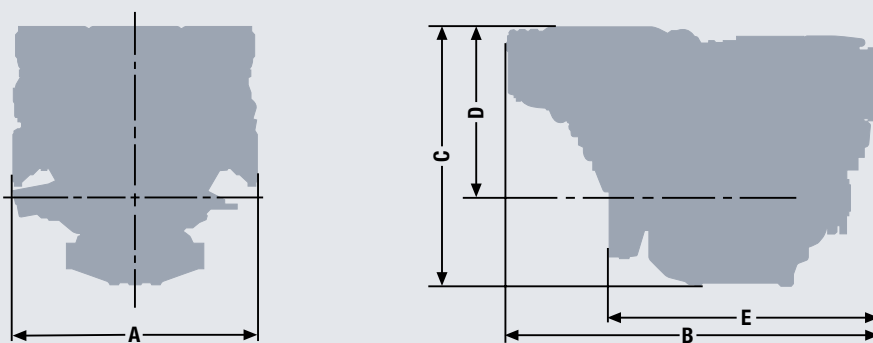
Characteristics

- Cylinders and arrangement: 8 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
- 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,
Electronic engine monitoring including diagnostic unit
- Fuel: DIN EN 590

Technical features

Type designation		LE 422	LE 425	LE 443
Displacement	l	16.16	16.16	16.16
Maximum output ¹⁾	kW (hp)	588 (800)	588 (800)	662 (900)
Rated speed	rpm	2,100	2,100	2,100
Torque at rated speed	Nm	2,674	2,674	3,010
Maximum torque	Nm	2,950	2,980	3,327
at speed	rpm	1,300–1,900	1,400–1,900	1,400–1,900
Lowest specific fuel consumption	g/kWh	198	209	207
Classifiable		✓	✓	–
Exhaust gas status		IMO Tier II, 97/68/EC	IMO Tier II, EPA Tier 3, RCD 2013/53/EC, 97/68/EC	IMO Tier II, 94/68/EC

1) Rating according to DIN 3046-1



Dimensions

Type designation		LE 422/425/443
A-Overall width	mm	1,153
B-Overall length	mm	1,745
C-Overall height	mm	1,243
D-Top of engine to crankshaft centre	mm	765
E-Length of engine from front end to edge of flywheel housing	mm	1,177
Average weight of engine ready for installation (dry)	kg	1,780

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