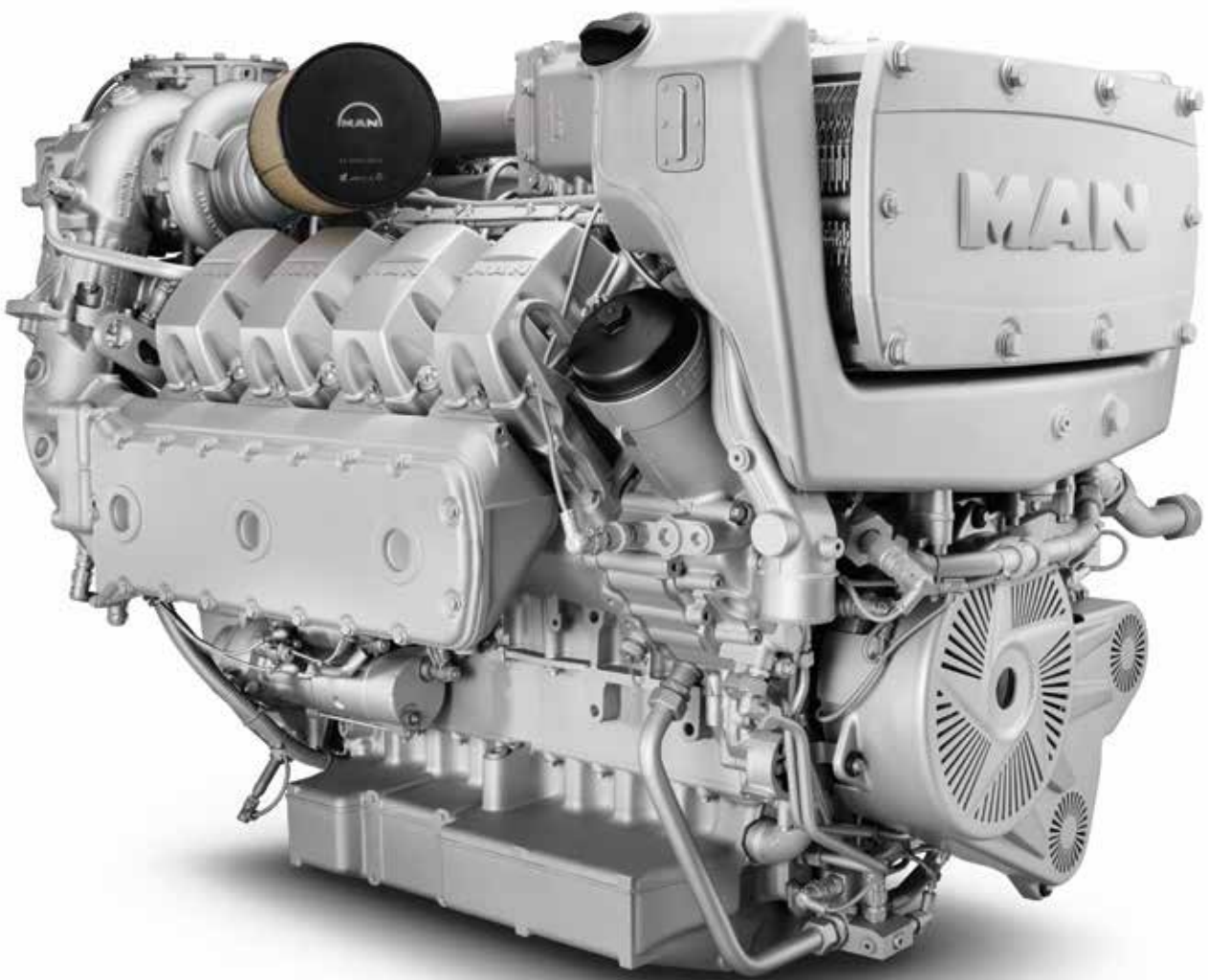


D2868



heavy duty

Characteristics

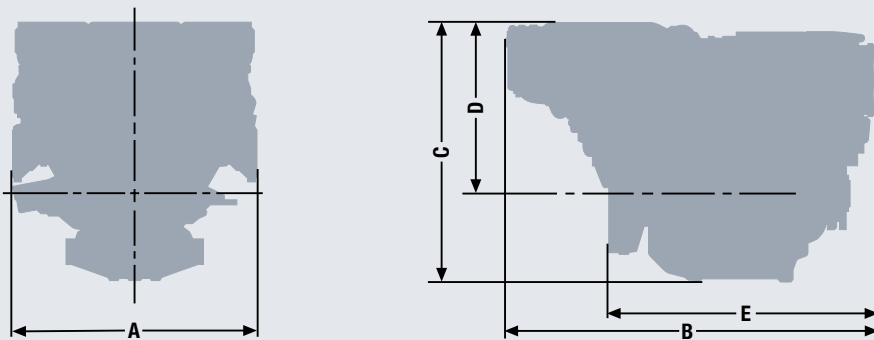
- Cylinders and arrangement: 8 cylinders in V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and waste gate
- Number of valves: 4 valves per cylinder
- Fuel system: Common Rail direct fuel injection
- Engine block: High-strength 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

D2868

Technical features

Type designation		LE 421	LE 424	LE 431
Displacement	l	16.16	16.16	16.16
Nominal rating ¹⁾	kW (hp)	441 (600)	441 (600)	500 (680)
Rated speed	rpm	1,800	1,800	1,800
Torque at rated speed	Nm	2,340	2,340	2,653
Maximum torque	Nm	2,630	2,630	2,985
at speed	rpm	1,100–1,600	1,100–1,600	1,100–1,600
Lowest specific fuel consumption	g/kWh	197	206	199
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, 97/68/EC

1) The rating is according to DIN 3046/1



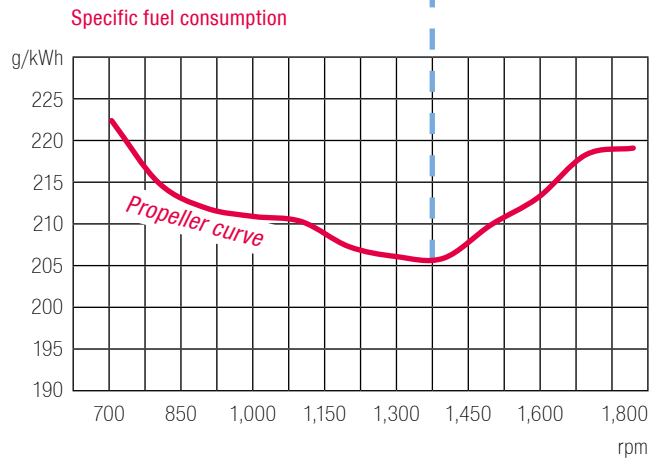
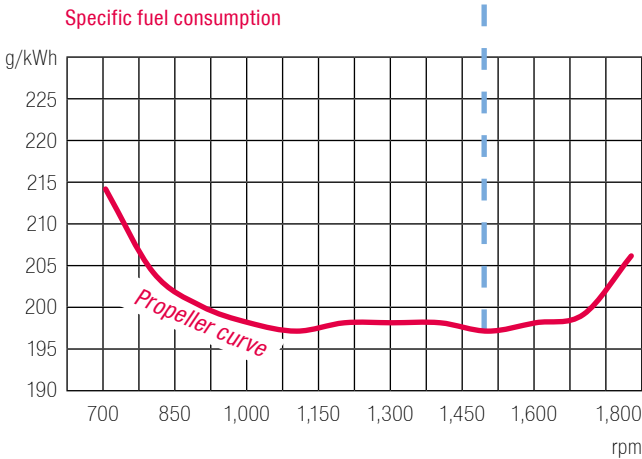
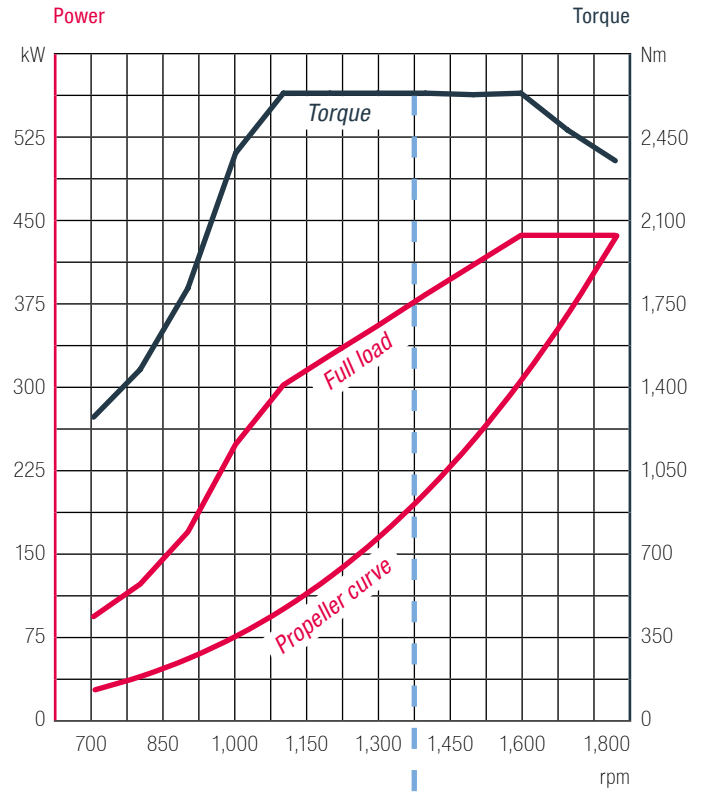
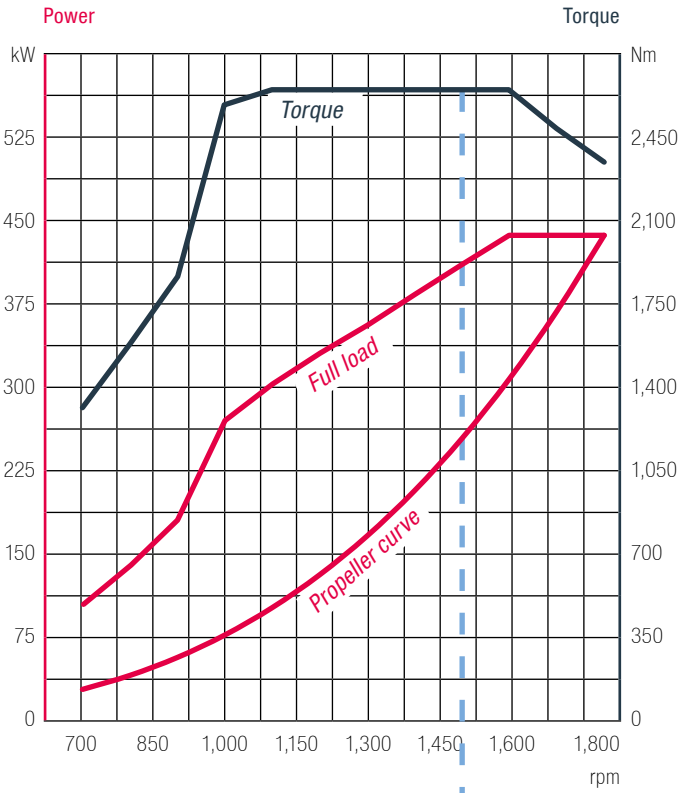
Dimensions

Type designation		LE 421/424/431
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	1,243
Average weight of engine ready for installation (dry)	kg	1,780

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

D2868 LE 421

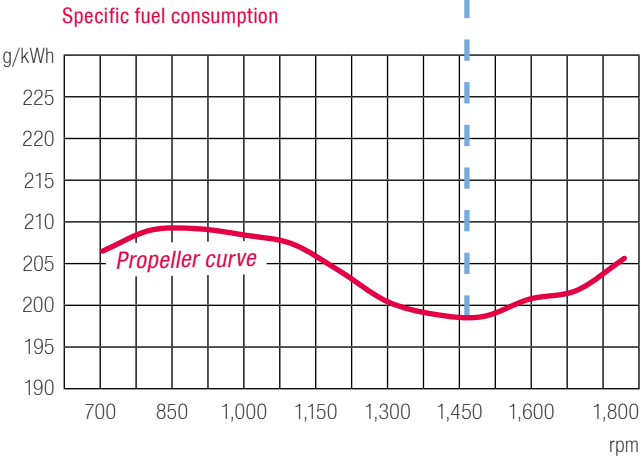
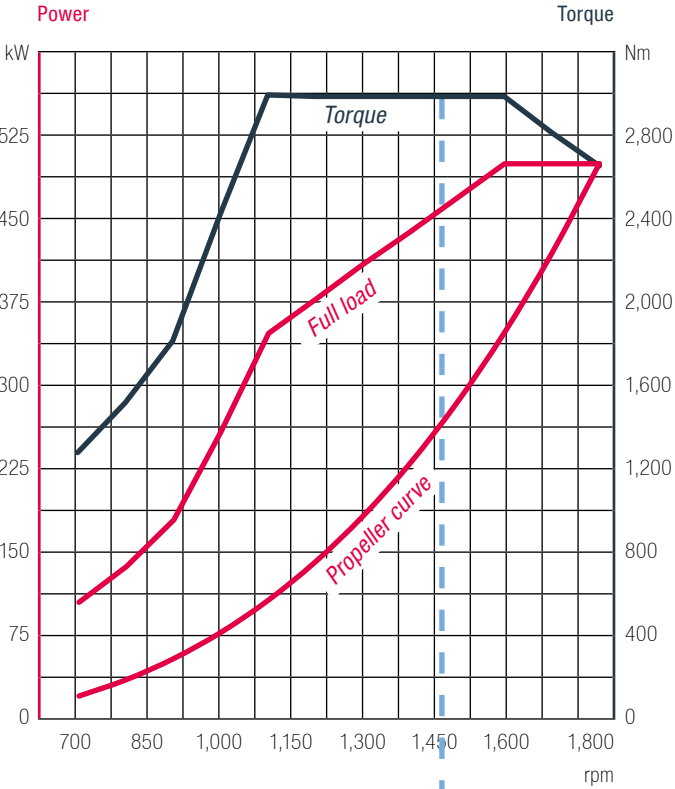
D2868 LE 424



--- Maximum torque at most fuel efficient operating point

D2868

D2868 LE 431



--- Maximum torque at most fuel efficient operating point