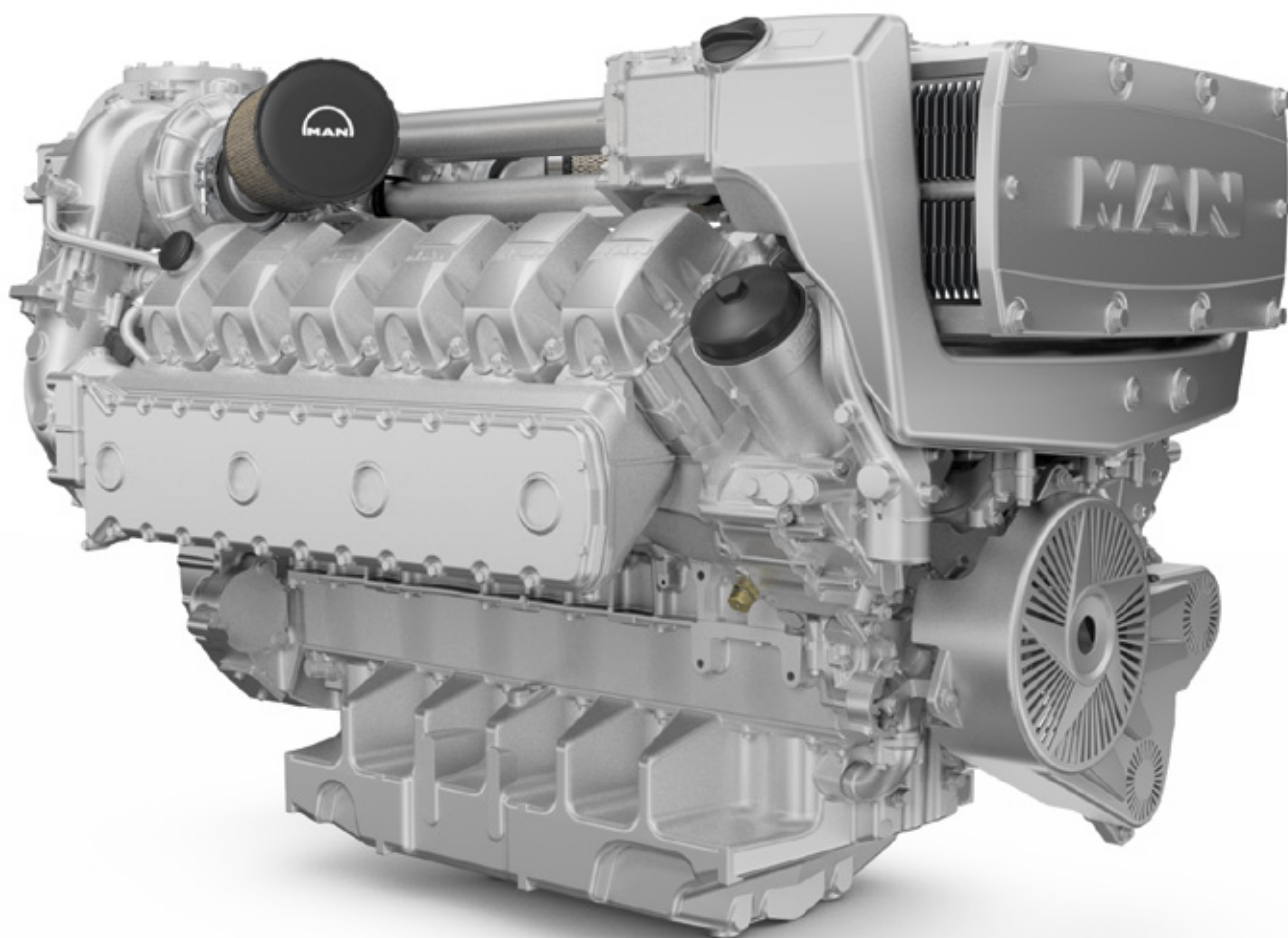




D2862

Engine description

Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and waste gate
(1-stage: D2862 LE 446/426, 2-stage: D2862 LE 456/436)
- Number of valves: 4 valves per cylinder
- Fuel system: Common Rail direct fuel injection with electronic control
- 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

D2862

Technical data

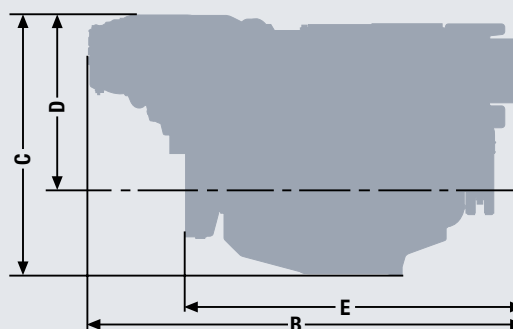
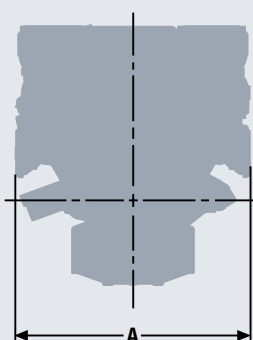


Technical features D2862

Type designation		LE 446	LE 426	LE 456	LE 436
Displacement	l	24.24	24.24	24.24	24.24
Maximum output to DIN ISO 3046-1	kW (hp)	1,029 (1,400)	1,140 (1,550)	1,213 (1,650)	1,324 (1,800)
Rated speed	rpm	2,300	2,300	2,300	2,300
Maximum torque	Nm	4,680	5,180	5,510	6,010
at speed	rpm	1,200–2,100	1,200–2,100	1,200–2,100	1,200–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	267	299	323	351
Classifiable		✓	–	✓	–
Exhaust gas status		IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3, RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC

1) Tolerance +5% according to DIN ISO 3046-1

2) For private use only



Dimensions D2862

Type designation		LE 446/426	LE 456/436
A-Overall width	mm	1,270	1,150
B-Overall length	mm	2,230	2,255
C-Overall height	mm	1,280	1,350
D-Top of engine to crankshaft centre	mm	815	885
E-Length of engine from front end to edge of flywheel housing	mm	1,614	1,667
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.

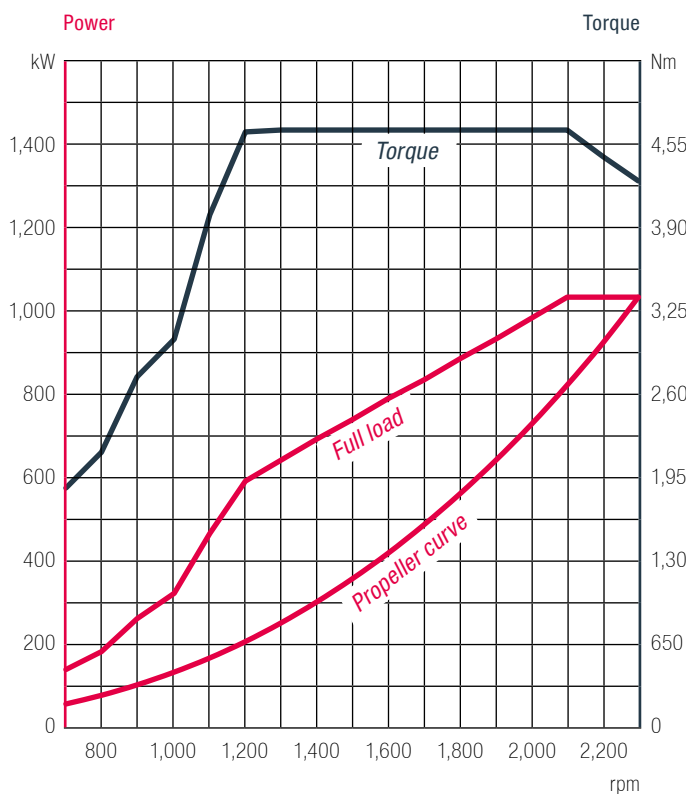
D2862

Power charts

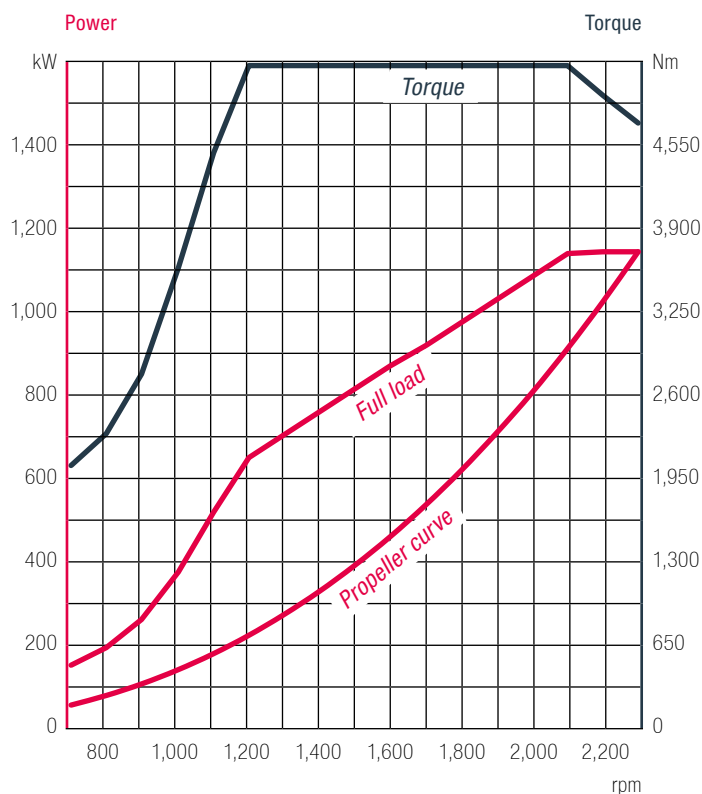


light duty

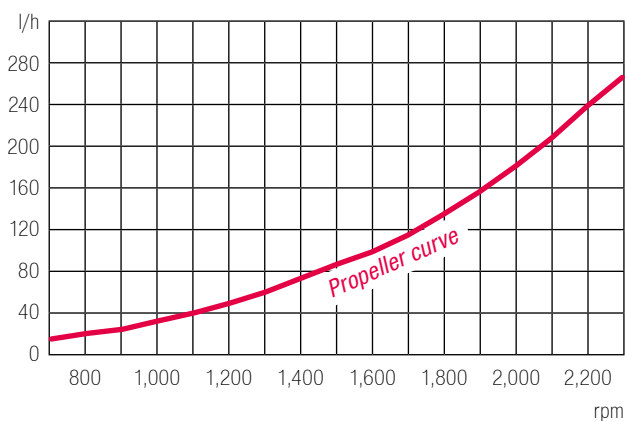
LE 446



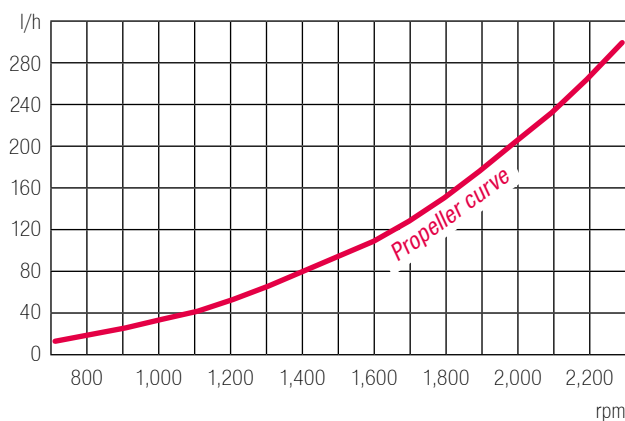
LE 426



Absolute fuel consumption



Absolute fuel consumption

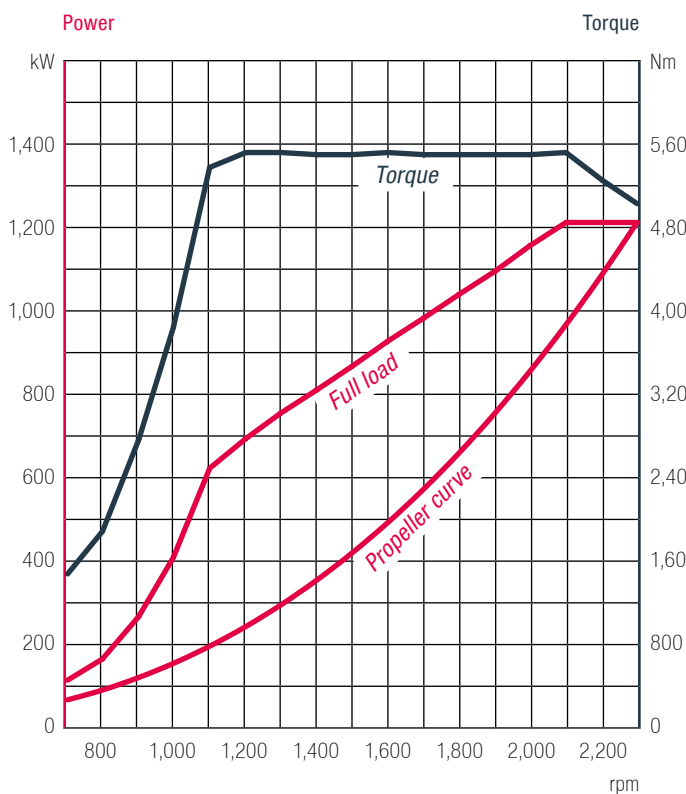


D2862

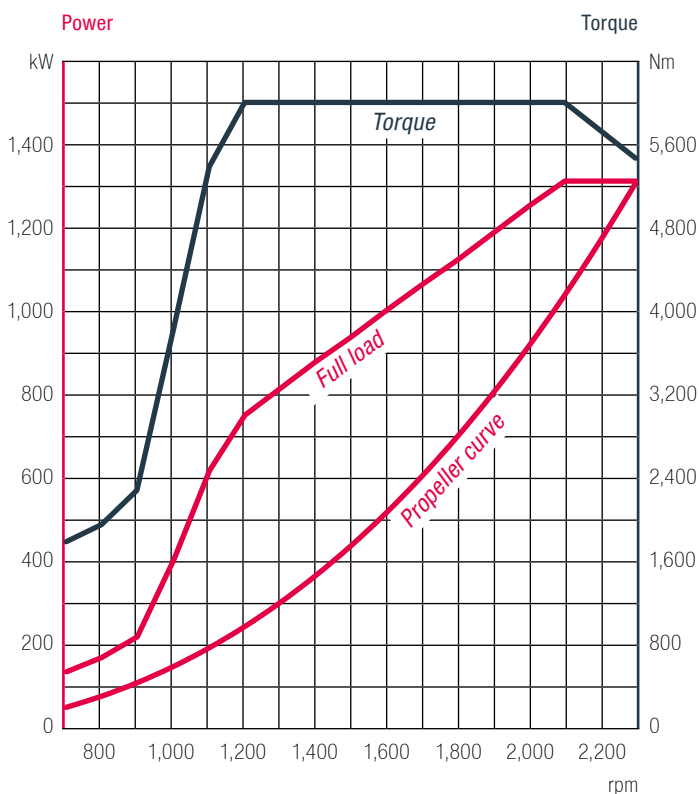
Power charts



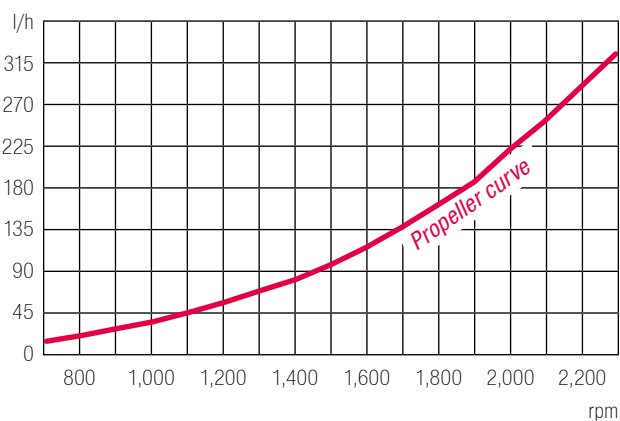
LE 456



LE 436



Absolute fuel consumption



Absolute fuel consumption

