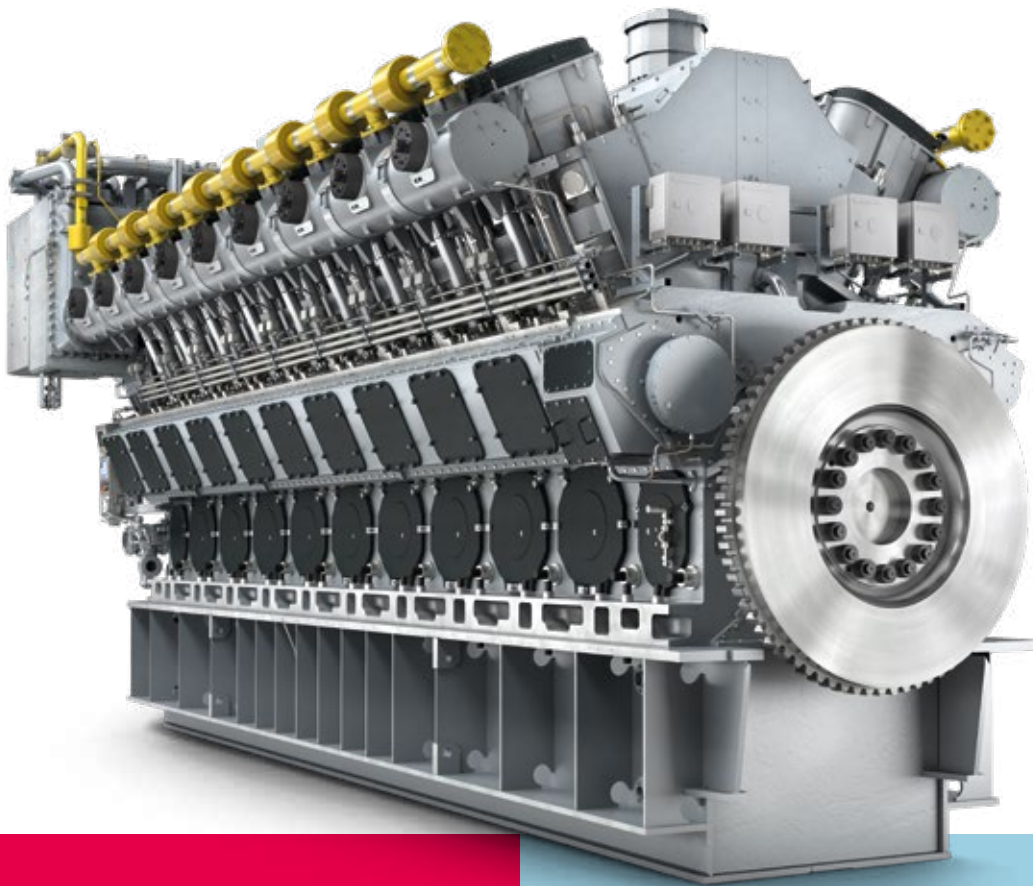


V51/60G



The 51/60G gas engine is a perfect component for power plants, achieving an efficiency of approximately 50 % in single cycle and starting time below 5 min. Building on the experience of its predecessors, the 51/60G with two-stage turbocharging is even more efficient and powerful.

Benefits at a glance

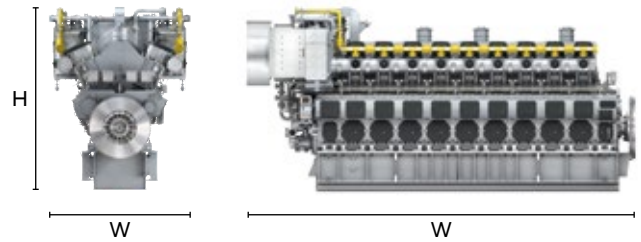
- Excellent efficiency of > 50 %, even in part load
- High reliability and fuel flexibility
- No derating due to high altitude or high temperatures

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V51/60G

Dimensions

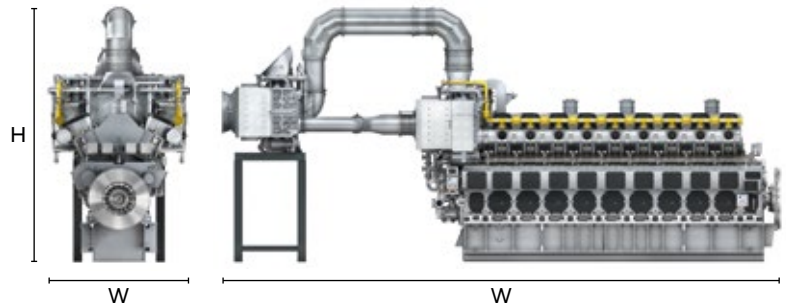
Cyl. No.	18
L (mm)	13,148
H (mm)	6,530
W (mm)	4,700
Engine weight (t)	310



With two-stage turbocharging

Dimensions

Cyl. No.	18
L (mm)	19,100
H (mm)	9,023
W (mm)	4,700
Engine weight (t)	345



Output

Engine model

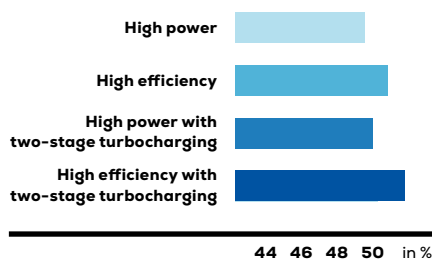
	18V51/60G and 18V51/60G with two-stage turbocharging	
	High efficiency	High power
Output mech. (kW)	18,900	20,700
Speed (rpm)	500 / 514	500 / 514
Frequency (Hz)	50 / 60	50 / 60

Values according to ISO 3046-1:2002; ISO 15550:2002. Last updated January 2024

General data

- Engine cycle: four-stroke
- No. of cylinders: 18 V
- Bore: 510 mm – Stroke: 600 mm

Fuel efficiency comparison



Power-to-weight ratio (MCR)

- SaCoS_{one} safety and control system on engine, developed in-house

Turbocharging system

- High efficiency constant pressure
- TCA series exhaust turbocharging system
- Individual engine / turbocharger optimization matching
- No derating due to high altitude or high temperatures due to two-stage turbocharging

Fuel & gas system

- Individual cylinder low pressure gas admission system (5 bar(g) at inlet of gas valve unit)
- Automatic adjustment of engine operation to variable gas qualities (ACC)

Fuels

- Various gaseous fuels, like natural gas
- E-methane and up to 25 % hydrogen blending

Applications

- Base load and balancing plants
- CHP plants

Contact

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