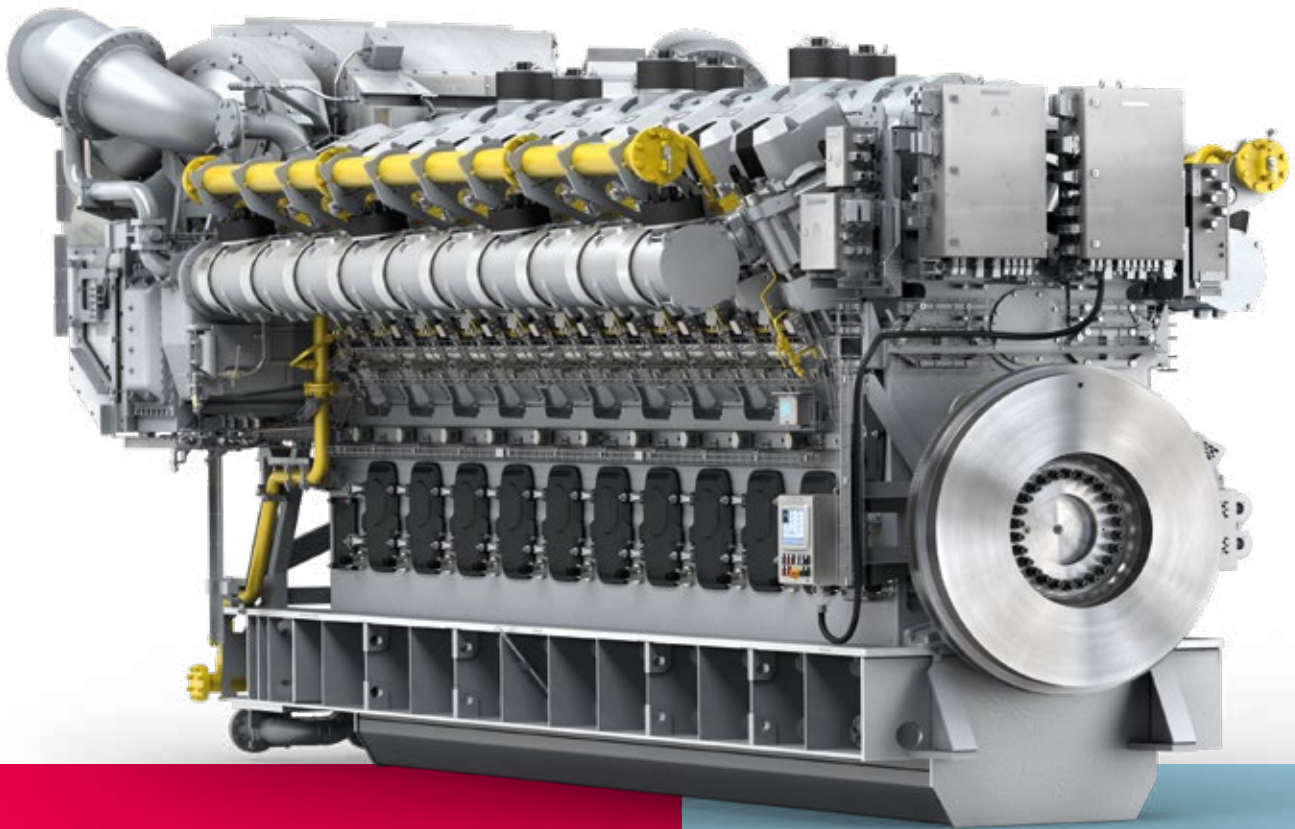


V35/44G



The dynamic 35/44G gas engine sets new standards in energy density (up to 640 kW per cylinder) and delivers 100 % load in under 2 minutes. Its two-stage turbocharging version reaches over 50 % efficiency in a compact design.

Benefits at a glance

- Fast start-up
- Highest efficiency
- Optimized for different climatic zones
- Standardized CHP design
- Compact engine design

Everllence

V35/44G

Dimensions

Cyl. No.	20
L (mm)	9,564
H (mm)	4,592
W (mm)	4,448
Engine weight (t)	113.5

Output

Cyl. No.	20
Output mech. (kW)	10,200 / 10,600
Speed (rpm)	720 / 750
Frequency (Hz)	60 / 50

With two-stage turbocharging

Dimensions

Cyl. No.	12	20
L (mm)	9,028	11,549
H (mm)	5,200	5,200
W (mm)	4,925	4,925
Engine weight (t)	106.2	146.0

Output

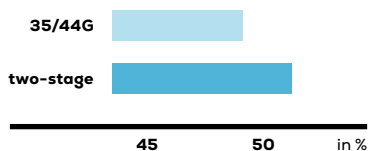
Cyl. No.	12	20
Output mech. (kW)	7,368 / 7,680	12,280 / 12,800
Speed (rpm)	720 / 750	720 / 750
Frequency (Hz)	60 / 50	60 / 50

Values according to ISO 3046-1:2002; ISO 15550:2002. Last updated August 2019

General data

- Engine cycle: four-stroke
- No. of cylinders: 12 V, 20 V
- Bore: 350 mm – Stroke: 440 mm

Fuel efficiency comparison



Power-to-weight ratio (MCR)

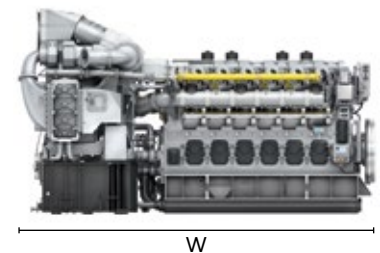
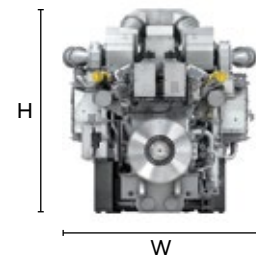
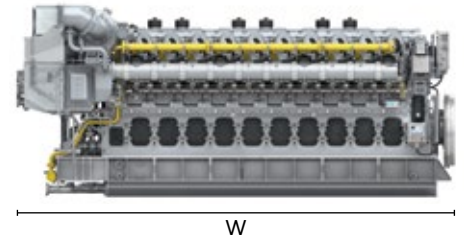
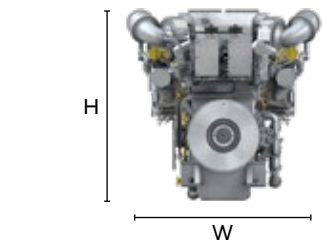
- SaCoS_{one} safety and control system on engine, developed in-house

Turbocharging system

- V35/44G with high efficiency constant pressure
- TCR and TCX series exhaust turbocharging system
- Individual engine / turbocharger optimization matching

Fuel & gas system

- Individual cylinder low pressure gas admission system (5 bar(g) at inlet of gas valve unit)



Starting system

- Pressurized air starter (turbine type)

Applications

- Various gaseous fuels, like natural gas, hydrogen-enriched natural gas
- LNG, biogas
- CHP plants
- Base load and peaking plants
- Hybrid power plants

Contact

Everllence
 86224 Augsburg, Germany
 P + 49 821 322-0
info@everllence.com
www.everllence.com