

L35/44DF CD



The 35/44DF CD engine embodies the principle of Continuous Development, as reflected in its name. Building on a foundation of proven performance, this model incorporates the latest technological advancements to meet the dynamic needs of today's energy landscape. Our focus is on maximizing both CAPEX and OPEX efficiency, while ensuring readiness for future environmental and regulatory challenges such as Fit for 55, defossilization, and CO₂ reduction.

Key benefits at a glance

- Exceptional power density (fewer gensets required)
- Genset-optimized plant equipment
- Highest power output in the auxiliary genset market
- Engineered and continuously developed to ensure the best-in-class methane slip performance in the auxiliary genset market
- Fully matured and field-proven components
- Advanced cybersecurity capabilities
- Full digitalization and seamless connectivity

L35/44DF CD

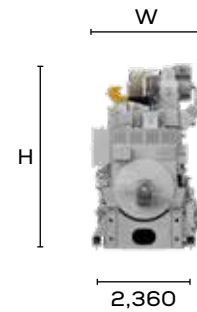
GenSet

Dimensions

Cyl. No.	6	7	8	9
A (mm)	6,270	6,900	7,480	8,110
B ¹ (mm)	3,900	4,100	4,400	4,600
C ¹ (mm)	10,170	11,000	11,880	12,710
W (mm)	2,958	3,108	3,108	3,108
H (mm)	4,631	4,867	4,867	4,867
Dry mass ¹ (t)	76	84	91	96

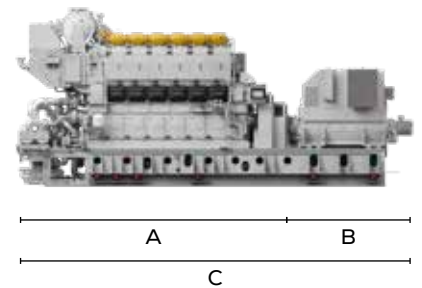
¹ Depending on alternator used

Dimensions and weight specifications apply to genset and are for guidance only (weight given is dry weight without oil, coolant or fuel)



Output

Speed (rpm)	720	750
Frequency (Hz)	60	50
6L35/44DF CD (kW)	3,242	3,242
7L35/44DF CD (kW)	3,783	3,783
8L35/44DF CD (kW)	4,323	4,323
9L35/44DF CD (kW)	4,864	4,864



Based on nominal generator efficiencies of 96.5 %
 LHV of fuel gas ≥ 28,000 kJ/Nm³
 (Nm³ corresponds to one cubic meter of gas at 0 °C and 1.013 bar)
 Last updated May 2025

General

- Engine cycle: four-stroke
- No. of cylinders: 6L, 7L, 8L, 9L
- Bore: 350 mm – Stroke: 440 mm
- Power output: 560 kW/cyl @ 720/750 rpm
- Main gas fuels: natural gas, bio gas
- Main liquid fuels: HFO, DMA, DMB, biofuel
- Pilot fuel: DMA, synthetic diesel

Compliance with emission regulations

- IMO Tier III (gas mode)
- IMO Tier III (diesel mode with SCR)
- IMO Tier II and IMO Tier III with LP-SCR

Main features

- Tailor-made for auxiliary genset applications
- Adaptive combustion control, cylinder skip-firing in gas operation, and cylinder pressure monitoring
- Latest SaCoS engine control system (from 2025)
- Low methane slip
- Design based on proven 32/44CR and 35/44DF
- Optimized CAPEX and OPEX

SCR = Selective Catalytic Reduction

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