

TCG 4170 V20

THE SMART CHOICE



More Efficiency. Lower Costs.

Experience the next generation of power solutions designed for maximum efficiency and flexibility. Whether you're scaling up or optimizing performance, the TCG 4170 V20 is engineered to help you achieve your energy goals faster and more cost-effectively.

Not just a generator set. A smart choice.

Electrical power	2.5 MW
Electrical efficiency	Up to 46.0%
Overall efficiency	89.1% / 89.6%*
General overhaul	Up to 80,000 oh
Available frequency	50 Hz, 60 Hz**

NO_x ≤ 500 mg/Nm³ exhaust gas dry at 5% O₂. According to ISO 8528-1 at U = 0.4 kV, cosphi = 1.0 for 50 Hz, a methane number of MN 80. Exhaust gas cooled to 120 °C

* Jacket water outlet @ 88 °C ** 60 Hz available in 2026

TCG 4170 V20 Made to Perform

- ▶ Outstanding electrical efficiency of up to 46.0% while maintaining optimal cogeneration performance
- ▶ Full load in under five minutes and maximum load step performance of 60%
- ▶ Delivery of full power at up to 45 °C intake air temperature
- ▶ New TCS control system offered in various configurations and custom solutions
- ▶ Fuel flexibility including natural gas, propane, hydrogen blends, and others
- ▶ Low lifecycle costs thanks to optimized maintenance and long service intervals
- ▶ Combination of performance, flexibility, and reliability for long-term value



VisionLink®

Smarter equipment.
Better decisions.
Maximum uptime.



Overview in real time

Monitor genset parameters and schedule maintenance with ease.

Early issue detection

Identify potential failures before they cause costly downtime.

High operational efficiency

Use performance data to optimize machine output and boost productivity.

Remote diagnostics

Resolve issues without site visits and reduce maintenance interruptions.

READY▶

for your future projects

The values given in this documents are for information purposes only and not binding.

Caterpillar Energy Solutions GmbH

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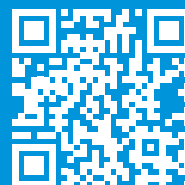
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