

Biogas

Basic Technical Data

| | CHP Unit type | Electrical Output (kW) | Heat Output (BTU/h) | Electrical Efficiency LHV (%) | Thermal Efficiency LHV (%) | Total Efficiency max. LHV (%) | Fuel Consumption (BTU/h) |
|--------|---------------|------------------------|---------------------|-------------------------------|----------------------------|-------------------------------|--------------------------|
| MICRO | Micro 35 | 27 | 166,000 | 32.0 | 57.7 | 89.7 | 288,000 |
| | | | | | | | |
| CENTO | Cento 100 | 94 | 502,000 | 33.7 | 52.7 | 86.4 | 952,000 |
| | Cento 200 | 191 | 891,000 | 36.8 | 50.3 | 87.1 | 1,771,000 |
| | Cento 375 | 375 | 1,628,000 | 38.7 | 49.2 | 87.9 | 3,306,000 |
| | Cento 555 | 555 | 2,395,000 | 38.3 | 48.4 | 86.7 | 4,944,000 |
| QUANTO | Quanto 600 | 600 | 2,201,000 | 41.7 | 44.8 | 86.5 | 4,910,000 |
| | Quanto 800 | 800 | 2,904,000 | 41.9 | 44.6 | 86.5 | 6,514,000 |
| | Quanto 1200 | 1200 | 4,204,000 | 42.8 | 44.0 | 86.8 | 9,564,000 |
| | Quanto 1600 | 1560 | 5,603,000 | 42.3 | 44.5 | 86.8 | 12,584,000 |
| | Quanto 2000 | 2000 | 7,036,000 | 42.7 | 44.0 | 86.7 | 15,989,000 |

Notes on data in all tables

The data presented in the document are for information only.
The gas consumption with a tolerance according to ISO 3046-1.
The term biogas also includes other fuels resulting from the biological decomposition, e.g. the sewage or landfill gas.
The stated parameters may vary with regard to the technical and design development or innovations.
The manufacturer reserves the right to change.

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Energy utilization of biogas



Work with a proven supplier of CHP units for biogas plants.

TEDOM Biogas CHP Units

High performance range

27 kW – 2000 kW

Wide portfolio

10 biogas fueling models

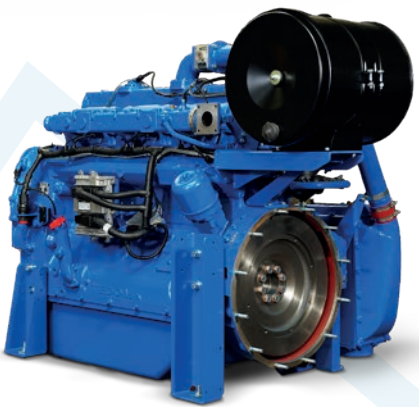
Various design options

- Open module
- Sound enclosure
- Container



Benefits from biogas utilization

- Proven solution for various sources of biogas: agriculture, sewage gas, landfill gas.
- Our Quanto series CHP units feature predominantly a high electrical efficiency of up to 43%.
- The Cento series is equipped with the engine of TEDOM's own brand which shows a long-term reliability even with a lower-quality biogas.
- We deploy the German MAN and MWM engines for the CHP units with an output over 200 kW.



TEDOM engine
with a power output ranging
from 80 to 200 kW

Selected references:



Biogas Plant
Suchohrdly (CZ)



Biogas Plant
React Yonezawa (JPN)



Biogas Plant
Lutych (BE)



Biogas Plant
Przybroda (PL)

33+
years of
experience
with the cogeneration
production

10
CHP unit types
running on biogas
in the offer

4 800+
biogas fueling
CHP units
sold worldwide

55+
export
countries