

# Energy utilization of **biogas**



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

# TEDOM Biogas CHP Units

## High performance range

94 kW – 1560 kW

## Wide portfolio

9 biogas fueling models

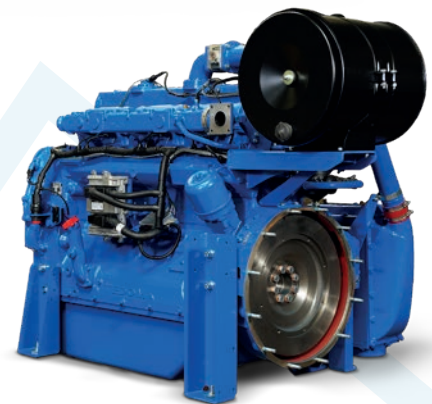
## Various design options

- ▣ 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  
Long Green Farms (MD)**



**Biogas Plant  
Dickinson College Farm (PA)**

**34+**  
years of  
experience  
with the cogeneration  
production

**9**  
CHP unit types  
running on biogas  
in the offer

**4 800+**  
biogas fueling  
CHP units  
sold worldwide

**55+**  
export  
countries

# 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)	
CENTO	Cento 100	94	502,000	33.7	52.7	86.4	952,000
	Cento 150	140	730,000	34.2	52.3	86.5	1,396,000
	Cento 200	190	887,000	36.8	50.3	87.1	1,764,000
	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

### 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.

04/2026