

# TEDOM



## CHP UNITS

Overview of manufactured types



## NATURAL GAS

CHP Unit type	Electrical Output (kW)	Heat Output (BTU/h)	Electrical Efficiency LHV (%)	Thermal Efficiency LHV (%)	Total Efficiency LHV (%)	Fuel Consumption (BTU/h)
Micro 35* SP	35	240,000	31.5	63.3	94.8	379,000
Micro 55*	55	342,000	33.8	61.6	95.4	555,000
Cento 100	93	502,000	33.9	53.6	87.5	935,000
Cento 150*	150	764,000	36.6	54.6	91.2	1,399,000
Cento 200	192	874,000	37.8	50.4	88.2	1,733,000
Cento 220	220	1,003,000	38.9	51.9	90.8	1,931,000
Cento 285*	285	1,440,000	37.0	54.8	91.8	2,627,000
Cento 375	375	1,631,000	39.4	50.2	89.6	3,248,000
Cento 555	555	2,474,000	38.8	50.7	89.5	4,883,000
Quanto 600	600	2,351,000	42.2	48.5	90.7	4,849,000
Quanto 800	800	3,115,000	42.4	48.4	90.8	6,432,000
Quanto 1200	1200	4,477,000	43.4	47.4	90.8	9,441,000
Quanto 1600	1560	5,913,000	43.0	47.7	90.7	12,389,000
Quanto 2000	2000	7,435,000	43.4	47.2	90.6	15,737,000

\* Combustion with the stoichiometric air-fuel ratio

## BIOGAS

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 35	27	166,000	32.0	57.7	89.7	288,000
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 220	220	976,000	38.1	49.6	87.7	1,969,000
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 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

## Propane

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 35	35	236,000	31.5	62.2	93.7	379,000
Micro 55	52	356,000	30.9	62.0	92.9	578,000

Larger units on request

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### Notes for data in all tables

Gas consumption is referenced for natural gas with heating value of 912.18 BTU/CF and at ambient conditions: 59 °F, 14.648 psi – with tolerance according – to ISO 3046-1. Gas consumption is referenced for biogas with methane volume 65 % (629.4 BTU/CF), at normal conditions (32 °F, 14.648 psi). Biogas mark means fuels incurred by biological decomposition – e.g. gas from water treatment plants, agricultural concerns or communal landfill sites. Gas consumption is referenced for propane (acc. to DIN 51622) (2,498 BTU/CF). Parameters of Propane CHP units are calculated for ambient temperature 86 °F and humidity of 75%. Referenced data is for general purposes only. Consult with TEDOM factory or country area authorized TEDOM representative for specific application assistance. All rights reserved specifications subject to change. TEDOM is a registered trademark of TEDOM a.s. It is possible to combine more units in one container. Technical specifications of these units and their configuration are available on request.