TEDOM
YANMAR GROUP

Hydrogen
H_2
READY

CHP UNITS

Overview of manufactured types

tedom.com

Micro, Cento and Quanto 60 Hz series

Natural Gas

Hydrogen H_2 READY

	CHP Unit type	Electrical Output (kW)	Heat Output (BTU/h)	Electrical Efficiency LHV (%)	Thermal Efficiency LHV (%)	Total Efficiency LHV (%)	Fuel Consumption (BTU/h)
MICRO	Micro 35* SP UL LISTED	35	240,000	31.5	63.3	94.8	379,000
	Micro 55* UL LISTED	55	342,000	33.8	61.6	95.4	555,000
CENTO	Cento 100	93	502,000	33.9	53.6	87.5	935,000
	Cento 150 UL LISTED	144	720,000	35.7	52.4	88.1	1,375,000
	Cento 200	192	874,000	37.8	50.4	88.2	1,733,000
	Cento 285* UL LISTED	285	1,440,000	37.0	54.8	91.8	2,627,000
	Cento 375 UL LISTED	375	1,631,000	39.4	50.2	89.6	3,248,000
	Cento 555 UL LISTED	555	2,474,000	38.8	50.7	89.5	4,883,000
QUANTO	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	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

Propane and larger units on request.

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Notes on data in all tables

The data presented in the document are for information only.
Technical parameters are valid for emission limits according to the European legislation, which stipulates max. NO_x 250 mg/Nm³ for CHP units above 1 MW in the fuel input. The stated NO_x a CO emission limits apply at a concentration of 5% O_2 in exhaust gases.
The gas consumption with a tolerance according to ISO 3046-1.
The term biogas also includes other fuels resulting from biological decomposition, e.g. the sewage or landfill gas. The stated parameters may vary with regard to technical and design development or innovations. The manufacturer reserves the right to changes.

TEDOM USA Inc. 3668 Crescent Court E Whitehall 18052, Lehigh County Pennsylvania USA, **tedom.com/us**