

**TEDOM**



# TEDOM COGENERATION

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## CHP UNITS

Overview of manufactured types

## NATURAL GAS – Basic Technical Data

CHP Unit type	Electrical Output (kW)	Heat Output (kW)		Electrical Efficiency (%)	Heat Efficiency (%)		Total Efficiency (%)		Power input in fuel (kW)
		standard / increased <sup>1</sup>			standard / increased <sup>1</sup>		standard / increased <sup>1</sup>		
Micro T7 <sup>2</sup>	6,5	16,0	18,4	27,0	66,3	76,4	93,3	103,4	24,1
Micro T30 <sup>2</sup>	30	59,4	69	32,0	63,3	73,6	95,3	105,6	93,8
Micro T33 <sup>2,3</sup>	33	63,7	74,2	32,5	62,8	73,1	95,3	105,6	101,5
Micro T50 <sup>2</sup>	48	91,0	106,8	32,5	61,6	72,2	94,1	104,7	148
Cento M70	70	109	–	34,3	53,4	–	87,7	–	204
Cento T80	81	120	126	35,1	52,2	54,5	87,3	89,6	231
Cento T100	104	142	149	36,8	50,5	52,8	87,4	89,8	282
Cento T120	125	177	185	36,4	51,7	54,0	88,1	90,4	343
Cento T160	164	221	231	37,8	50,9	53,3	88,7	91,1	434
Cento T180	184	232	243	39,2	49,5	51,8	88,7	91,0	469
Cento T200	200	253	265	39,2	49,5	51,9	88,7	91,1	510
Cento L230	235	277	292	41,3	48,8	51,4	90,1	92,7	569
Cento L330	326	384	404	41,4	48,8	51,3	90,2	92,7	787
Cento L410	410	506	531	40,3	49,7	52,2	90,0	92,5	1017
Cento L500	500	589	619	41,5	48,9	51,4	90,4	92,9	1205
Quanto D600	600	699	734	41,9	48,7	51,3	90,6	93,1	1433
Quanto D800	800	917	964	42,3	48,5	51,0	90,8	93,3	1891
Quanto D1000	999	1108	1166	43,0	47,6	50,1	90,6	93,1	2325
Quanto D1200	1200	1295	1364	43,7	47,1	49,6	90,8	93,3	2748
Quanto D1600	1560	1709	1797	43,3	47,5	49,9	90,8	93,2	3600
Quanto D2000	2000	2155	2271	43,7	47,1	49,6	90,8	93,3	4578
Quanto D3000	3333	3577	3740	43,6	46,8	48,9	90,3	92,5	7650
Quanto D4000	4500	4679	4904	44,3	46,0	48,3	90,3	92,6	10160
Quanto M10000	10426	9825	–	47,0	44,3	–	91,3	–	22176

We offer the version with NOx emissions below 100 mg/m<sup>3</sup> for the selected units.

## BIOGAS – Basic Technical Data

CHP Unit type	Electrical Output (kW)	Heat Output (kW)	Electrical Efficiency (%)	Heat Efficiency (%)	Total Efficiency (%)	Power input in fuel (kW)
Micro T30 <sup>2</sup>	25	47,5	31,6	60	91,6	79,1
Micro T30 <sup>2,4</sup>	30	61	30,7	62,4	93,1	97,7
Cento T80	83	121	35,0	50,9	85,9	237
Cento T100	106	143	36,4	49,2	85,6	291
Cento T120	124	165	36,9	49,2	86,1	336
Cento T160	166	217	37,8	49,5	87,3	439
Cento T180	182	224	39,1	48,1	87,2	465
Cento T200	200	245	39,2	48,1	87,3	510
Cento L230	235	289	40,4	49,6	90,0	582
Cento L330	331	403	40,6	49,5	90,1	815
Cento L410	410	512	40,1	50,1	90,2	1022
Cento L500	500	594	41,3	49,1	90,4	1211
Quanto D600	600	643	42,7	45,8	88,5	1405
Quanto D800	800	857	42,8	45,9	88,7	1868
Quanto D1200	1200	1283	43,0	46,0	89,0	2790
Quanto D1600	1560	1697	42,7	46,4	89,1	3654
Quanto D2000	2000	2138	43,0	46,0	89,0	4651

## LPG – Basic Technical Data

CHP Unit type	Electrical Output (kW)	Heat Output (kW)		Electrical Efficiency (%)	Heat Efficiency (%)		Total Efficiency (%)		Power input in fuel (kW)
		standard / increased <sup>1</sup>			standard / increased <sup>1</sup>		standard / increased <sup>1</sup>		
Micro T7	6,5	16,4	18,8	26,5	67,0	76,9	93,5	103,4	24,5
Micro T30	30	60,9	70,5	31,5	64,0	74,1	95,5	105,6	95,2

LPG fuel option is also for units Cento T80, T100 and T120. Parameters on request.

### Notes for data in all tables

Gas consumption is referenced with tolerance according to ISO 3046-1.  
 Biogas mark means fuels incurred by biological decomposition – e.g. gas from water treatment plants or sewer gas.  
 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.

1. With additional exhaust heat exchanger
2. Seasonal space heating energy efficiency A++ classified unit
3. In Start program
4. Stoichiometric mixture