

TEDOM



TEDOM COGENERATION

TEDOM a.s., Výčapy 195, 674 01 Třebíč
Czech Republic, www.tedom.com

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 ¹		standard	increased ¹	standard	increased ¹	
Micro 7 ²	6,5	16,0	18,4	27,0	66,3	76,4	93,3	103,4	24,1
Micro 20	20	41,0	47,8	31,0	64,0	74,1	95,0	105,1	64,5
Micro 30 ²	30	58,1	65,7	32,4	62,9	71,7	95,3	103,6	92,4
Micro 33 ²	33	63,7	71,8	32,5	62,8	70,7	95,3	103,3	101,5
Micro 50 ²	50	88,5	101,5	34,2	60,6	69,5	94,9	103,8	146
Cento 70	70	109	112	34,3	53,4	55,0	87,7	89,3	204
Cento 80	81	120	126	35,1	52,2	54,5	87,3	89,6	231
Cento 100	104	142	149	36,8	50,5	52,8	87,4	89,8	282
Cento 120	125	177	185	36,4	51,7	54,0	88,1	90,4	343
Cento 160	164	221	231	37,8	50,9	53,3	88,7	91,1	434
Cento 180	184	232	243	39,2	49,5	51,8	88,7	91,0	469
Cento 200	200	253	265	39,2	49,5	51,9	88,7	91,1	510
Cento 230	235	277	292	41,3	48,8	51,4	90,1	92,7	569
Cento 260	260	372	383	37,8	54,0	55,6	91,8	93,4	688
Cento 350	355	442	457	40,0	49,8	51,5	89,8	91,5	887
Cento 410	410	506	531	40,3	49,7	52,2	90,0	92,5	1017
Cento 500	500	589	619	41,5	48,9	51,4	90,4	92,9	1205
Cento 530	528	667	716	39,5	49,9	53,6	89,4	93,1	1337
Quanto 600	600	699	734	41,9	48,7	51,3	90,6	93,1	1433
Quanto 800	800	917	964	42,3	48,5	51,0	90,8	93,3	1891
Quanto 1000	999	1108	1166	43,0	47,6	50,1	90,6	93,1	2325
Quanto 1200	1200	1295	1364	43,7	47,1	49,6	90,8	93,3	2748
Quanto 1600	1560	1709	1797	43,3	47,5	49,9	90,8	93,2	3600
Quanto 2000	2000	2155	2271	43,7	47,1	49,6	90,8	93,3	4578
Quanto 3000	3333	3577	3740	43,6	46,8	48,9	90,3	92,5	7650
Quanto 4000	4500	4679	4904	44,3	46,0	48,3	90,3	92,6	10160
Quanto 10000	10426	9825	-	47,0	44,3	-	91,3	-	22176

Stated technical parameters apply to the 500 mg emissions limit. We also offer the version with NOx emissions below 100 mg.

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 30 ²	25	47,5	31,6	60,0	91,6	79,1
Cento 80	83	121	35,0	50,9	85,9	237
Cento 100	106	143	36,4	49,2	85,6	291
Cento 120	124	165	36,9	49,2	86,1	336
Cento 160	166	217	37,8	49,5	87,3	439
Cento 180	182	224	39,1	48,1	87,2	465
Cento 200	200	245	39,2	48,1	87,3	510
Cento 230	235	289	40,4	49,6	90,0	582
Flexi 250 ⁴	250	235	42,5	40,0	82,8	588
Flexi 265 ⁴	265	249	42,5	40,0	82,5	624
Cento 350	355	434	40,5	49,5	90,0	876
Cento 410	410	512	40,1	50,1	90,2	1022
Cento 500	500	594	41,3	49,1	90,4	1211
Cento 530	528	655	9,8	49,4	89,2	1325
Quanto 600	600	643	42,7	45,8	88,5	1405
Quanto 800	800	857	42,8	45,9	88,7	1868
Quanto 1200	1200	1283	43,0	46,0	89,0	2790
Quanto 1600	1560	1697	42,7	46,4	89,1	3654
Quanto 2000	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 ¹		standard	increased ¹	standard	increased ¹	
Micro 7	6,5	16,4	18,8	26,5	67,0	76,9	93,5	103,4	24,5
Micro 30	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. Product of Schnell Motoren