

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 ¹			standard / increased ¹		standard / increased ¹		
Micro 7 ^{2,3}	6,5	16,0	18,4	27,0	66,3	76,4	93,3	103,4	24,1
Micro 20 ^{2,3}	20	42,0	48,2	30,5	64,0	73,6	94,5	104,1	66,5
Micro 30 ^{2,3}	30	58,1	65,7	32,4	62,9	71,1	95,3	103,6	92,4
Micro 33 ^{2,3}	33	63,7	71,8	32,5	62,8	70,7	95,3	103,2	101,5
Micro 50 ^{2,3}	50	88,5	101,5	34,2	60,6	69,5	94,9	103,8	146
Cento 80 ⁴	81	120	126	35,1	52,2	54,5	87,3	89,6	231
Cento 100 ⁴	104	142	149	36,9	50,5	52,9	87,4	89,8	282
Cento 120 ⁴	125	177	185	36,4	51,7	54,0	88,1	90,4	343
Cento 130 ³	133	191	196	37,8	54,2	55,7	92,0	93,5	352
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 210	210	267	279	38,6	50,5	52,7	90,2	92,4	529
Cento 260 ³	260	371	382	37,8	54,0	55,5	91,8	93,3	687
Cento 350	355	442	457	40,0	49,8	51,5	89,8	91,5	887
Cento 430	430	609	640	37,0	52,5	55,2	89,6	92,2	1160
Cento 530	528	672	705	39,3	50,0	52,4	89,3	91,7	1344
Quanto 600	600	681	717	42,3	48,0	50,6	90,3	92,9	1418
Quanto 800	800	904	952	42,5	48,0	50,6	90,5	93,1	1882
Quanto 1000	999	1155	1216	42,0	48,5	51,1	90,5	93,1	2379
Quanto 1200	1 200	1355	1428	42,6	48,1	50,7	90,7	93,3	2818
Quanto 1600	1 560	1788	1884	42,2	48,4	51,0	90,6	93,2	3696
Quanto 2000	2 000	2251	2372	42,6	48,0	50,6	90,6	93,2	4690
Quanto 3000	3 333	3577	3740	43,6	46,8	48,9	90,3	92,5	7650
Quanto 4000	4 500	4679	4904	44,3	46,0	48,3	90,3	92,6	10160

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	28	54,7	31,0	60,6	91,6	90,3
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
Flexi 250 ⁵	250	235	42,5	40,0	82,5	588
Flexi 265 ⁵	265	249	43,0	40,0	83,0	624
Cento 350	355	419	40,1	47,3	87,4	885
Cento 430	430	527	39,5	48,4	87,9	1087
Cento 530	528	613	40,2	46,6	86,8	1315
Quanto 600	600	639	42,9	45,6	88,5	1400
Quanto 800	800	843	43,1	45,4	88,5	1856
Quanto 1000	999	1089	42,6	46,4	89,0	2346
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

1. With additional exhaust heat exchanger.
2. Seasonal space heating energy efficiency A++ classified unit.
3. Stoichiometric combustion, NOx emissions under 100 mg/Nm³. Values of under 100 mg of NOx/Nm³ are possible with all the other products when SCR technology is used. Technical parameters available on request.
4. Alternatively, it is possible to supply a version for the combustion of the stoichiometric mixture. Technical parameters available on request.
5. Product of Schnell Motoren GmbH.

Notes for data in all tables

Referenced data is for general purposes only.
 The specified technical parameters apply for emission limits in accord with European legislation. A version with different emission limits is available on request.
 Gas consumption is referenced with tolerance according to ISO 3046-1.
 The term biogas also includes other fuels resulting from biological decomposition - such as e.g. sewage or landfill gas.
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