GOLDMAN ENERGY

TEDOM

Basic Technical Data

NATURAL GAS

MICRO Series

CHP Unit Type	Electrical Output (kW)	Heat Output (kW)	Electrical Efficiency (%)	Heat Efficiency (%)	Total Efficiency (%)	Power input in fuel (kW)
Micro T7	7	17.2	27.0	66.3	93.3	25.9
Micro T30	30	61.6	31.2	64.1	95.3	96.2
Micro T50	48	91.0	32.5	61.6	94.1	148

CENTO Series

CHP Unit Type	Electrical Output (kW)		Heat Output (kW)		Electrical Efficiency (%)		Heat Efficiency (%)		Total Efficiency (%)		Power input in fuel (kW)	
	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C
Cento M50	50	-	79	-	33.8	-	53.4	-	87.2	-	148	-
Cento M70	70	-	109	-	34.3	-	53.4	-	87.7	-	204	-
Cento T80	81	81	120	120	35.1	35.1	52.2	52.2	87.3	87.3	231	231
Cento T100	104	104	142	142	36.9	36.9	50.5	50.5	87.4	87.4	282	282
Cento T120	125	125	177	177	36.4	36.4	51.7	51.7	88.1	88.1	343	343
Cento T160	164	164	221	209	37.8	37.8	50.9	48.2	88.7	86.0	434	434
Cento T180	184	184	232	218	39.2	39.2	49.5	46.4	88.7	85.6	469	469
Cento T200	200	200	253	237	39.2	39.2	49.5	46.4	88.7	85.6	510	510
Cento L200	206	206	246	229	41.6	41.6	49.7	46.3	91.3	87.9	495	495
Cento L230	235	235	282	262	41.5	41.5	49.7	46.2	91.2	87.7	567	567
Cento L330	331	331	392	365	42.0	42.0	49.7	46.2	91.7	88.2	789	789
Cento L410	410	410	511	486	40.8	40.8	50.9	48.4	91.7	89.2	1004	1004
Cento L450	455	455	550	517	41.5	41.5	50.2	47.2	91.7	88.7	1097	1097
Cento L500	497	497	588	547	42.0	42.0	49.6	46.2	91.6	88.2	1184	1184

QUANTO Series

CHP Unit Type	Electrical Output (kW)		Heat Output (kW)		Electrical Efficiency (%)		Heat Efficiency (%)		Total Efficiency (%)		Power input in fuel (kW)	
	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C
Quanto D400	400	400	456	431	42.1	42.1	48.0	45.4	90.1	87.5	950	950
Quanto D580	600	600	698	658	41.9	41.9	48.7	45.9	90.6	87.8	1433	1433
Quanto D770	800	800	918	862	42.2	42.2	48.4	45.5	90.6	87.7	1895	1895
Quanto D1200	1200	1200	1295	1189	43.7	43.7	47.1	43.3	90.8	86.9	2748	2748
Quanto D1600	1560	1560	1709	1576	43.3	43.3	47.5	43.8	90.8	87.1	3600	3600
Quanto D2000	2000	2000	2155	1977	43.7	43.7	47.0	43.2	90.7	86.9	4578	4578
Quanto D3000	3333	-	3577	-	43.6	-	46.8	-	90.3	-	7650	-
Quanto D4000	4300	-	4580	-	43.8	-	46.7	-	90.5	-	9812	-
Quanto RR9000	9425	-	8745	-	45.9	-	42.6	-	88.5	-	20522	-

* For Quanto CHP Units we offer also configuration with total ef ficiency up to 98%. More information on request.

LPG

MICRO Series

CHP Unit Type	Electrical Output (kW)	Heat Output (kW)	Electrical Efficiency (%)	Heat Efficiency (%)	Total Efficiency (%)	Power input in fuel (kW)
Micro T7	7	17.7	26.5	67.0	93.5	26.4
Micro T30	30	63.3	30.7	64.8	95.5	97.7

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BIOGAS

MICRO Series

CHP Unit Type	Electrical Output (kW)	Heat Output (kW)	Electrical Efficiency (%)	Heat Efficiency (%)	Total Efficiency (%)	Power input in fuel (kW)
Micro T30	25	47.5	31.6	60.0	91.6	79.1
Micro T30*	30	61	30.7	62.4	93.1	97.7

*Stoichiometric mixture

CENTO Series

CHP Unit Type	Electrical Output (kW)		Heat Output (kW)		Electrical Efficiency (%)		Heat Efficiency (%)		Total Efficiency (%)		Power input in fuel (kW)	
	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C
Cento T80	83	83	121	121	35.0	35.0	50.9	50.9	85.9	85.9	237	237
Cento T100	106	106	143	143	36.4	36.4	49.2	49.2	85.6	85.6	291	291
Cento T120	124	124	165	165	36.9	36.9	49.2	49.2	86.1	86.1	336	336
Cento T160	166	166	217	206	37.8	37.8	49.5	46.9	87.3	84.7	439	439
Cento T180	182	182	224	211	39.1	39.1	48.1	45.3	87.2	84.4	465	465
Cento T200	200	200	245	230	39.2	39.2	48.1	45.2	87.3	84.4	510	510
Cento L200	206	206	235	218	40.5	40.5	46.3	43.0	86.8	83.5	508	508
Cento L230	235	235	269	249	40.5	40.5	46.4	43.0	86.9	83.5	580	580
Cento L330	331	331	375	348	40.9	40.9	46.3	43.0	87.2	83.9	810	810
Cento L410	410	410	487	462	40.8	40.8	48.6	46.1	89.4	86.9	1004	1004
Cento L450	455	455	526	493	41.4	41.4	47.9	44.9	89.3	86.3	1098	1098
Cento L500	497	497	562	521	41.9	41.9	47.4	44.0	89.3	85.9	1186	1186

QUANTO Series

CHP Unit Type	Electrical Output (kW)		Heat Output (kW)		Electrical Efficiency (%)		Heat Efficiency (%)		Total Efficiency (%)		Power input in fuel (kW)	
	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C	OM/SE	C
Quanto D400	400	400	425	395	42.8	42.8	45.5	42.3	88.2	85.0	935	935
Quanto D580	600	600	646	596	42.7	42.7	46.0	42.4	88.7	85.1	1405	1405
Quanto D770	800	800	859	792	42.7	42.7	45.9	42.3	88.6	85.1	1871	1871
Quanto D1200	1200	1200	1344	1251	42.1	42.1	47.1	43.9	89.2	86.0	2852	2852
Quanto D1600	1560	1560	1771	1644	41.8	41.8	47.4	44.0	89.2	85.8	3734	3734
Quanto D2000	2000	2000	2157	2025	42.8	42.8	46.3	43.4	89.1	86.2	4667	4667

OM – Open module, **SE** – Sound enclosure, **C** – CHP unit configuration containerized

Notes for data in all tables:

Gas consumption is referenced for natural gas with heating value 34 MJ at ambient conditions (15°C, 101.325 kPa) with tolerance according to ISO-3046-1.

Gas consumption is referenced for biogas with methane volume 65%, at normal conditions (0 °C, 101.325 kPa).

Biogas refers to gas produced by biological decomposition – e.g. gas from water treatment plants, agricultural concerns or communal landfill sites.

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Referenced data is for general purposes only. Consult with Goldman Energy for specific application assistance.

Combining more than 1 unit per container is possible. Contact Goldman Energy for further information.

Technical specifications of these units and their configurations are available on request.

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