



型号 MODEL	TOTEM 10	TOTEM 20	TOTEM 25	
除非特别标出电、热功数据均在以下条件得出：设备运行在额定功率下，进水温度70°C；甲烷压力：20mbar，低位热值为10.2 kWh/Nm³ 空气：25°C 101.3 kPa POWER @ data recorded at the rated electric power and water inlet of 70°C unless specified; methane @ 20mbar, the data related to LHV= 10.2 kWh/Nm³; air inlet @ 25°C and 101.3 kPa				
额定电功率 Rated electric power	kW	10.0	20.0	25.0
自用电 Self-consumption	kW	0.195	0.205	0.205
功率调节范围* Power modulation range	kW	≥ 5	≥ 7.5	
额定热功率 Rated thermal power	kW	21.6 (25.2 ^{**})	41.9 (48.5 ^{**})	50.2 (57.6 ^{**})
发电效率 Net electrical efficiency	%	29.6	31.2	32.5
总效率 Total efficiency	%	93.6 (104.3 ^{**})	96.5 (106.8 ^{**})	97.8 (107.4 ^{**})
燃料 Fuel		甲烷 methane		
燃料消耗 Fuel consumption	Nm³/h	3.31	6.28	7.54
能量消耗 Input power	kW	33.7	64.1	76.9

尺寸和重量 DIMENSIONS AND WEIGHT

高x宽x长(外壳尺寸-标准规格) h x w x l (rigged up with panels)	cm	128 x 79.5 x 192		
重量(含液体) Weight (fluid-filled)	kg	720	780	

水路 HYDRAULIC CIRCUIT

进水温度范围 Inlet water temperature range	°C	15÷70		
出水温度范围 Outlet water temperature range	°C	25÷80		
额定水流量 Rated water flow	l/h	2,500	4,000	5,000
最大压降 Maximum pressure drop	kPa	60		
最高排气温度 Maximum exhaust gas temperature	°C	77		
冷凝水 Condensate	kg/h	0 (1.37 ^{**})	0 (3.04 ^{**})	0 (3.14 ^{**})

发电机 ELECTRIC GENERATOR

类型 Type	三相异步 asynchronous three phase		
电压/频率 Voltage/frequency	V/Hz	400/50	
启动方式 Engine starter	启动马达 starter motor		
发电机连接方式 Electrical generator connection	三角连接 triangle		
电极 Poles	4	2	
绝缘等级 Insulation class	F		
效率等级 Efficiency class	IE3		

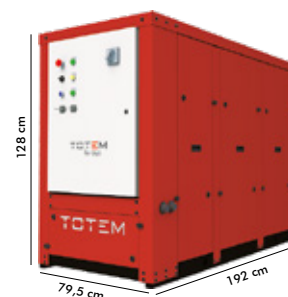
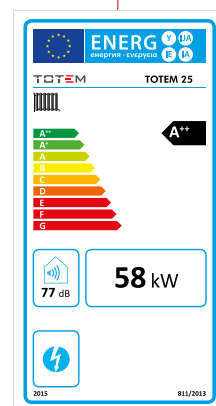
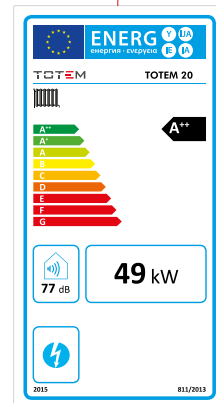
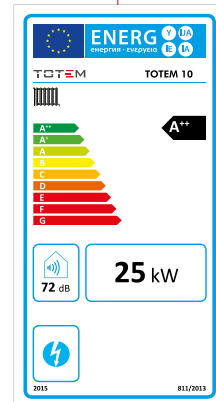
工作环境 WORKING CONDITIONS

环境温度 External air temperature	°C	-5÷40		
相对湿度 Relative humidity	%	0÷75		
噪声(开放空间1米距离) Acoustic impact Lp@1m distance in open field	dB(A)	56.7	61.1	
氮氧化物(NOx) Emissions NOx a 5% O ₂	mg/Nm³	≤10		
一氧化碳(CO) Emissions CO a 5% O ₂	mg/Nm³	≤10		
组装须知, 安装和售后 Precautions to be taken during assembly, installation or service	参照安装和使用手册 refer to installation and user manual			
技术相对偏差 Technical specifications tolerance	+/- 5%			

*根据当地电网并网要求 Subject to local grid connection technical requirements

**计算参考的进水温度为35度 Referred to the input water temperature 35°C

上述数据由米兰理工大学微燃机实验室(www.gecos.polimi.it)检测, 由TÜV莱茵公司认证上述数据及TOTEM所有产品质量。
Values measured at Micro-Cogeneration laboratory by Milan Polytechnic and validated by TÜV Rheinland. TOTEM micro-CHP units certified by TÜV Rheinland.

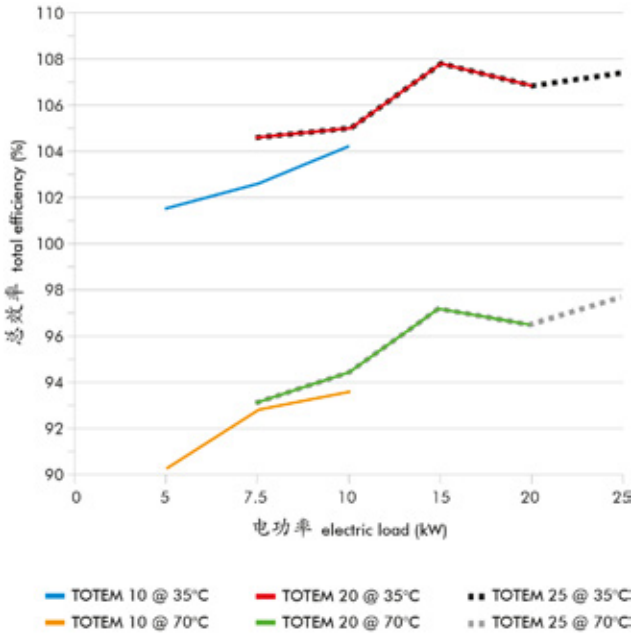


TOTEM CERTIFICATIONS

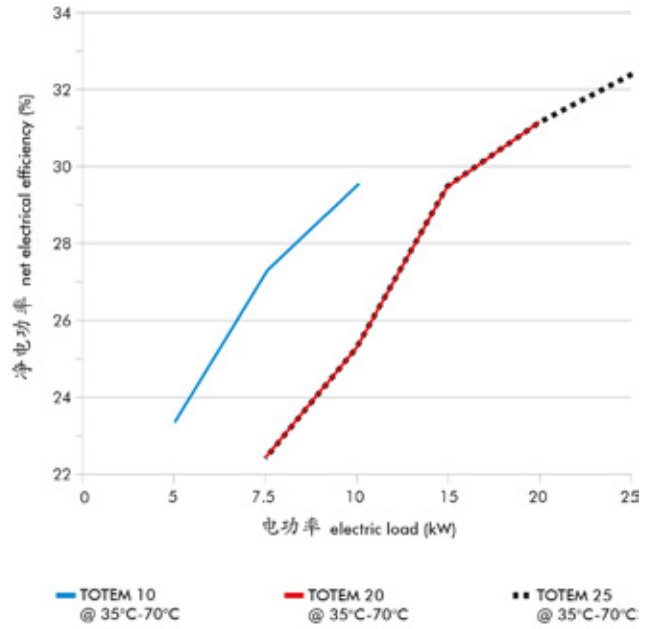


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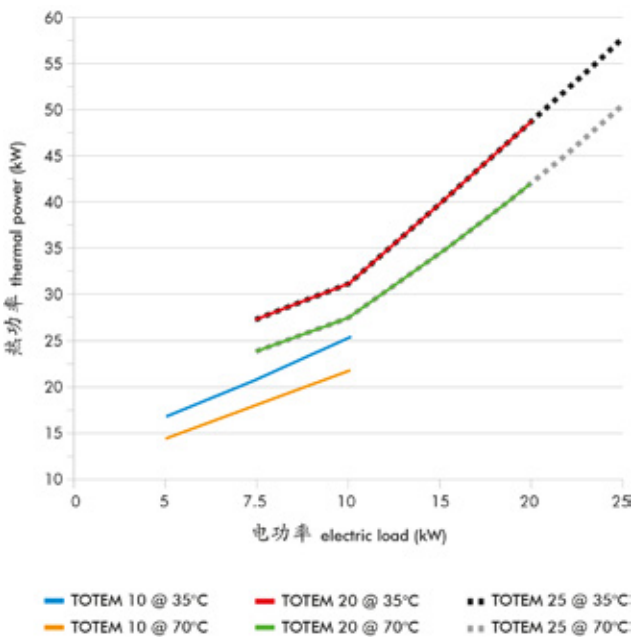
总效率与电功率 TOTAL EFFICIENCY VS ELECTRIC LOAD



净电效率与电功率 NET ELECTRICAL EFFICIENCY VS ELECTRIC LOAD



热功率和电功率 THERMAL POWER VS ELECTRIC LOAD



输入功率和电功率 INPUT POWER VS ELECTRIC LOAD

