

Technical Data *

Electric gross capacity [kW]	150
Electric net capacity [kW]	130
Electric on-site power [kW]	< 20
Flow / return temperature [°C]	90/70 or 80/60 **
Reference temperature flue gas [°C]	150

Dimensions and technical connections

Dimensions	2 pcs. 40' Container **
Foundation load	≤ 40 t
Connection to heating system	min. DN65
Voltage / Frequency	400 VAC / 50 Hz
Communication	2 Mbit/s internet connection

Plant capacity depending on the heat source *

	Water content [%]	10	20	35	50
Calorific value [kWh/kg]		4,5	4	3	2,2
Fuel consumption [kg/h]		136	158	223	350
Fuel input capacity [kW]		612	632	669	753
Thermal useable power [kW]		287	298	328	392
Electric gross efficiency [%]		24,5	23,7	22,4	19,9
Electric net efficiency [%]		21,2	20,6	19,4	17,3
Thermal efficiency [%]		46,9	47,2	49,0	52,1
Overall efficiency [%]		71,4	70,9	71,4	72,0

Core elements of the micro gas turbine



1. Compressor wheel



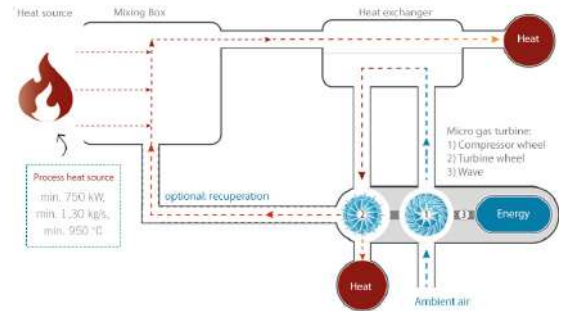
2. Turbine wheel



3. Air bearing



4. Powerhead



Process diagram ClinX HEAT

Heat source of the client

Energy content min. 750 kW
 Mass flow min. 1.30 kg/s
 Temperature ~ 950 °C
 Total dust content < 10 mg/m³

Fulfilled emission limit values***

Total dust	< 20 mg/m ³
Carbon monoxide	< 400 mg/m ³
Noise	65 dB(A) in 10 m

* At following conditions:

Ambient air temperature: 15 °C.

Humidity: 80%.

Elevation: standard elevation zero.

** Customizable specific to customer requirements.

*** According to 1. German Federal Immission Control Act, Technical Instructions on Air Quality Control ("TA-Luft") and Noise prevention ("TA-Lärm"). Reference oxygen content: 13%.

Technical changes reserved.