

Additional product portfolio

Container CHPs



- Highly efficient 150 – 2,000 kWel
- Advanced, ready-to-operate container modules
- Integrated flare and compressor solutions

Gas technology



- High-temperature flare stations, emergency flare stations
- Compressor stations 50-5,000 m³/h
- Gas drying stations
- Gas treatment

Bonus40



- Gas and exhaust gas purification system for reducing formaldehyde emissions
- Gas ultrapurification using activated carbon
- Exhaust gas purification using catalysts

Pro2 is your premium system partner for decentralised energy technology and bioenergy. Pro2-technologies for power and heat generation are among the most advanced in the industry internationally. In addition to this technology, Pro2 also offers a Premium Service characterised by high-performance solutions and expertise in maintaining and monitoring your plant.

Pro2 plants supply people and machines throughout the world with energy – from global power companies to municipal administrations, agriculturists and industrial companies.

Pro2 Anlagentechnik GmbH Schmelzerstraße 25 · 47877 Willich
Tel.: 02154-488-0 · Fax: 02154-488-115 · E-Mail: info@pro2.com



Powered by 

Pro2 co-generation power plants

- Biogas
- Landfill gas
- Natural Gas
- Sewage Gas
- Mine Gas



Pro2's state-of-the-art technologies take advantage of the fermentation process in organic raw materials and waste products to generate energy using a fuel that is both economical and environmentally friendly.

Biogas/sewage gas

ENGINE	OUTPUT			EFFICIENCY		
Type	kW el.	kW therm.	kW primary	% electr.	% therm.	% total
BIEM400	400	385	941	42,5	40,9	83,4
BIEM600	600	588	1.413	42,5	41,6	84,1
BIEM800	800	783	1.882	42,6	41,6	84,2
BIEM1200	1.200	1.213	2.858	42,0	42,4	84,4
BIEM1560	1.560	1.600	3.745	41,7	42,7	84,4
BIEM2000	2.000	2.000	4.762	42,0	42,0	84,0

Data for biogas/sewage gas refer to:
65 vol % CH₄ and 35 vol % CO₂

Landfill gas



Landfill gas is formed in landfill sites. This gas is either disposed of in an eco-friendly manner in Pro2 degassing stations and with high-temperature flares or it is used to generate heat and electricity in Pro2 complete plants.

ENGINE	OUTPUT			EFFICIENCY		
Type	kW el.	kW therm.	kW primary	% electr.	% therm.	% total
LC2016V8	400	385	941	42,5	40,9	83,4
LC2016V12	600	588	1.413	42,5	41,6	84,1
LC2016V16	800	783	1.882	42,6	41,6	84,2
LC2020V12	1.200	1.213	2.858	42,0	42,4	84,4
LC2020V16	1.560	1.600	3.745	41,7	42,7	84,4
LC2020V20	2.000	2.000	4.762	42,0	42,0	84,0

Data for landfill gas refer to:
50 vol % CH₄ and 27 vol % CO₂ and 23 vol % N₄

Natural gas/mine gas



Pro2 CHP plants ensure high overall efficiency and guarantee profitable power generation

ENGINE	OUTPUT			EFFICIENCY		
Type	kW el.	kW therm.	kW primary	% electr.	% therm.	% total
NM2016V8	400	427	948	42,2	45,0	87,2
NM2016V12	600	654	1.430	42,0	45,7	87,7
NM2016V16	800	855	1.891	42,4	45,2	87,6
NM2020V120LS	1.125	1.385	2.791	40,3	49,6	89,9
NM2020V12	1.200	1.197	2.750	43,7	43,5	87,2
NM2020V160LS	1.500	1.704	3.721	40,3	45,8	86,1
NN2020V16	1.560	1.592	3.606	43,3	44,0	87,3
NM2020V20	2.000	1.990	4.583	43,6	43,4	87,0

Data for natural gas/mine gas refer to:
Methane number MN > 80