

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.

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Product portfolio



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.
BIEM637	637	682	1.589	40,1	42,9	83,0
BIEM835	835	924	2.091	39,9	44,2	84,1
BIEM888	888	881	2.116	42,0	41,6	83,6
BIEM1063	1.063	1.205	2.606	40,8	46,2	87,0
BIEM1185	1.185	1.175	2.821	42,0	41,7	83,7
BIEM1468	1.468	1.481	3.526	41,6	42,0	83,6
BIEM1634	1.634	1.645	3.870	42,2	42,5	84,7
BIEM2193	2.193	2.137	5.159	42,5	41,4	83,9
BIEM2723	2.723	2.741	6.449	42,2	42,5	84,7

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.
LC312	637	692	1.600	39,8	43,3	83,1
LC316	835	936	2.106	39,6	44,4	84,1
LC412	844	853	2.025	41,7	42,1	83,8
LC320	1.063	1.122	2.629	40,4	42,7	83,1
LC416	1.134	1.134	2.700	42,0	42,0	84,0
LC420	1.407	1.422	3.375	41,7	42,1	83,8
LC1634	1.634	1.705	3.916	41,7	43,5	85,3
LC2179	2.179	2.273	5.222	41,7	43,5	85,3
LC2723	2.723	2.841	6.527	41,7	43,5	85,2

Data for landfill gas refer to:
50 vol % CH₄ and 27 vol % CO₂ and 23 vol % N₂

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.
NM312	635	728	1.570	40,4	46,4	86,8
NM316	835	994	2.089	40,0	47,6	87,6
NM412	889	901	2.076	42,8	43,4	86,2
NM320	1.063	1.208	2.605	40,8	46,4	87,2
NM416	1.185	1.201	2.768	42,8	43,4	86,2
NM420	1.481	1.502	3.460	42,8	43,4	86,2
NM612	1.996	1.850	4.444	44,9	41,6	86,5
NM616	2.663	2.482	5.970	44,6	41,6	86,2
NM620	3.329	3.102	7.462	44,6	41,6	86,2
NM624	3.994	3.684	8.884	45,0	41,5	86,4

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