Introduction

Home Energy; decentralised power generation is now available!

Home Energy has launched a modular and expandable system of sustainable power generation for private households and small businesses. These are affordable, innovative products to generate sustainable electricity and heat, making the user self-supporting (to some extent).

We offer a large range of high-quality renewable energy products, specifically aimed at your situation and needs, including:

- Central Heating units running on biomass (wood pellets; pellets); savings around 38%;
- Solar collectors especially designed to optimize heat production even at low levels of sunlight., resulting in an annual efficiency of 70-80% (ipv andersom 80-70!) in both summer and winter;
- PV Panels: electricity generators using solar energy;
- Energy Ball V100, small wind turbine with an unique and very appealing look, very quiet and with the potential to generate up to 15% of the annual electricity need of an average household (*).

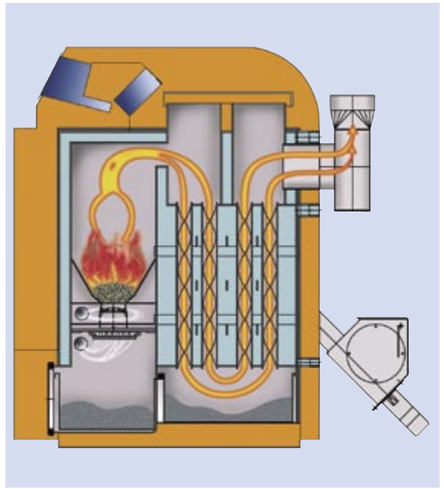
(*) figures based on average electricity usage per household in the Netherlands

BioCv

The sustainable solution for a fully automatic central heating system running on wood pellets or wood shavings. You will be saving on heating costs and you can be assured of comfortable and independent heating for the next 20 years.

Benefits of BioCv

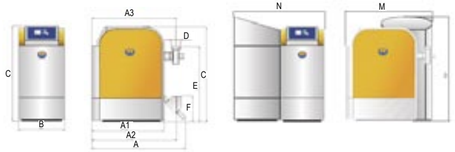
- CO2-neutral fuel
- Up to 40% savings on heating costs, compared to gas or oil
- Fully automatic fuel supply
- Modulated combustion
- Only 0.5% of ashes
- Double ashpan
- Self-cleaning
- Fills only 1.5 m2 of space
- Distance from heater to fuel storage ranging from 1 to 20 metres



Specifications

Technical specifications

		10	20	30	45	60
Power range	kW	2,9-12,1	5,3-20	6,4-31,6	11,8-47	11,8-62
Central Heater weight	kg	261	310	310	518	518
Max. allowed supply pressure	mbar	0,10	0,10	0,10	0,10	0,10
Working pressure	bar	3,0	3,0	3,0	3,0	3,0
Max. allowed water temp.	°C	95	95	95	95	95
Water capacity	L	55	76	76	178	178
Power supply	V/Hz	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Technical adjustments reserved						

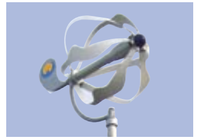


Dimensions (mm)

		10	20	30	45	60
A	Total length	1315	1315	1315	1560	1560
A1	Boiler length	865	940	940	1160	1160
A2	Boiler length + distance to heart of BSD	1120	1120	1120	1400	1400
A3	Boiler length + distance to heart of flue	955	1030	1030	1300	1300
B	Width (max. due to access)	590	590	590	750	750
C	Height	1168	1268	1268	1480	1480
D	Flue diameter	130	130	130	150	150
E	Height to top of flue	925	1025	1025	1300	1300
F	Height to top of BSD	435	435	435	480	480
G	Height to water connection (1")	891	991	991	1200	1200
H	Height to water return (1")	701	801	801	1015	1015
J	Height to water supply and drain (1/2")	264	264	264	264	264

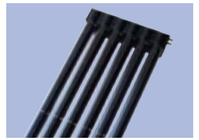
Flexible in fuel transport via
Suction system
Flexible worm wheel
Direct supply

Storage options in
Basement, attic
Underground tank
Free-standing bag silo



Wind energy

Biomass



Solar heat

Solar power

HomeEnergy Indicator

Home Energy

Home Energy uses an extensive and professional dealer network to provide consumers with tailor made advice and practical information on the latest available technologies and solutions in renewable energy.
See also our web site for a list of suppliers and installers.

Home Energy supports local councils and authorities, not only in their efforts to apply renewable energy themselves, but also to promote and introduce the concept to their residents.

Energy saving and decentralized production of renewable energy will increase in importance in the years to come. This has been predicted by a recent British study-Potential for Microgeneration-Study and Analysis (12/2005). One of the conclusions is that microgeneration will increase its share to 30-40% in 2050 of the total electricity requirements.

Microgeneration is the collective name for a broad range of small scale sustainable and less sustainable methods of energy generation (wind, sun, biomass, micro waterpower, natural gas, etc.) Most often this is used in a combination in electricity and heat generation, energysavings measures and one or more methods of energy storage.

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