

Products

Home Energy offers a number of high-quality sustainable energy products capable of being custom fit for your situation and needs. They include:

- **Wind Power:** the Energy Ball® is a spherical wind turbine that generates electricity noiselessly from the wind and is available in two versions: The Energy Ball® V100 and the Energy Ball® V200.
- **Solar Power:** Solar panels that generate electricity from solar energy.
- **Solar Heat:** Solar collectors with vacuum glass tubes that use sun light to heat water for use in all home utilities, swimming pools, and/or for heating rooms, even under cloudy conditions.
- **Bio Heat:** A combustion system using biomass (wood chips or pellets/ other bio-mass by-products) that serves as a central home heating system, all in-home hot water utilities, and/or heated swimming pools.

• Durable •

• Natural •



HomeEnergy

Home Energy would like to introduce its affordable, innovative products that enable private customers and businesses to generate their own energy.

You can now choose to provide for your own sustainable energy requirements, reduce your fossil fuel use, and at the same time take some personal initiative toward a healthier future of our planet.

Your choice: Home Energy.



Your choice



HomeEnergy



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Bio Heat

Heating installation

Your choice

Bio Heat Heating installation

Warmth from nature

Home Energy Bio Heat is the perfect sustainable solution for central heating that burns wood pellets, wood chips, or other bio-mass pellets as fuel.

Bio Heat is a CO₂-neutral and cost-effective system when compared to gas or oil fired systems. The transfer of the wood pellets or wood chips from the storage space to the Bio Heat boiler fire box is fully automatic; on average the supply of fuel needs to be replenished no more than once a year. With the purchase of a Bio Heat system heating becomes cost-effective. Further, you will be self sufficient in your own heating needs for the next 20 years, while practicing personal sustainable heating.

The Home Energy Bio Heat systems are characterised by perfection. The use of the most modern technology results in the most efficient combustion with a very low emission of fine particles. The system is very simple to operate and very user-friendly.

The controls of the Home Energy Bio Heat system make it possible to regulate 6 water circuits (zones). This makes it possible to heat utility water for personal use, and to simultaneously heat different rooms at independent temperatures. Examples include: floor heating, hot water heating for the bathroom and shower, room heating in bedrooms and other living areas. Bio Heat can also be used to provide sustainable energy, and cost-effective heating for swimming pools or Jacuzzis.

Specifications

Sustainable heating with Bio Heat

The Bio Heat systems from Home Energy are available in a range of different capacities.

When the right system size with a capacity appropriate for your requirements is chosen, the system does not need to be turned off completely. This low level of operation saves fuel and limits wear and tear of metal fatigue.

A built-in cleaning system is activated automatically and removes fly ash and fine particles from the heat exchanger ensuring the over-all health of the system and optimal efficiency. Resulting ash in the two ash trays need only be emptied once or twice a year.

The Home Energy Bio Heat systems can be positioned anywhere in your existing boiler room, in the garage or in the cellar. Convenient in size, the Bio Heat central heating boiler unit only takes up about 1.5 m². Free access is required for an ample supply of fresh combustion air. All combustion gasses must be exhausted properly, and there must be room for the supply of wood pellets.

The wood pellets or wood chips can be stored in various methods in bulk; in a separate storage area, in an underground tank or in a (bag) silo. Fuel should be stored at a distance of no more than 20 m from the boiler.

In addition to the automatic feed of wood pellets, it is also possible to opt to do a manual refill of the Bio Heat every other day.

Generally the Home Energy Bio Heat system is used to replace an existing central heating system. When this is the case, installation will require only minor adjustments to the existing infrastructure of radiators and pipes.

Specifications for the various Bio Heat systems

Type		HE 100	HE 200	HE 300	HE 400	HE 500
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
Working pressure	Bar	3.0	3.0	3.0	3.0	3.0
Max. permitted 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

Your choice

