

Hot-air heating using pellets



The EcoTec Air is a unique, patented hot-air boiler which is pellet-fuelled.

It is ideal for farms or for heating large buildings, such as engineering workshops, large storage buildings and meeting halls etc.

The boiler can quickly heat large premises up to 4000 m³ in size.



- The cost of pellets is around 40% that of oil
- Fully automatic – switches on and off independently
- Heats up quickly
- A low investment means a quick pay-off
- Low operating costs
- No risk of freezing because no water is used
- The boiler has vertical pipes and a large ash box to keep maintenance to a minimum

System for heating large premises with solid fuel

Boilers above 60 kW

Must be installed in a separate boiler room

Boilers below 60 kW

(Swedish rules)

The boiler can be installed in an area classed as a fire compartment* with an approved chimney. If more than one fire compartment is used, there must be insulated air ducting between the compartments.

*A fire compartment is an area where a fire can burn for a stipulated period without spreading to other areas of the building.

The combustion air can be brought in at burner height if there are no flammable liquids stored on the premises.

The combustion air can be brought in at burner height if there are no flammable liquids stored on the premises. Buildings where the businesses use flammable materials must have a separate boiler room. The return air and the combustion air must not be brought through the premises.

If flammable liquids are stored on the premises, the combustion air and return air must be brought in at least 2 metres above the floor.

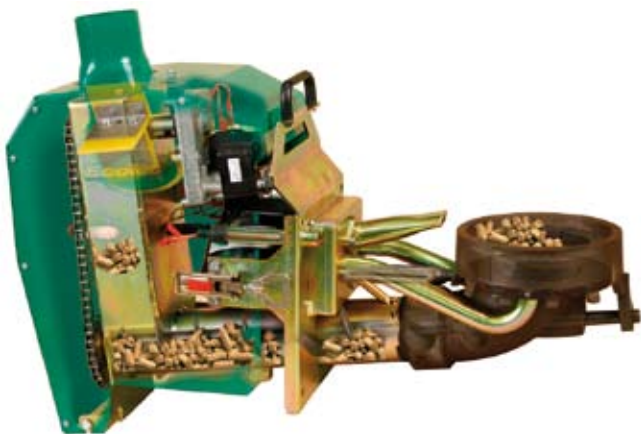
The pellet burner is patent pending and meets the environmental requirements of the Swedish National Board of Housing, Building and Planning.

Why choose a BioLine pellet burner?

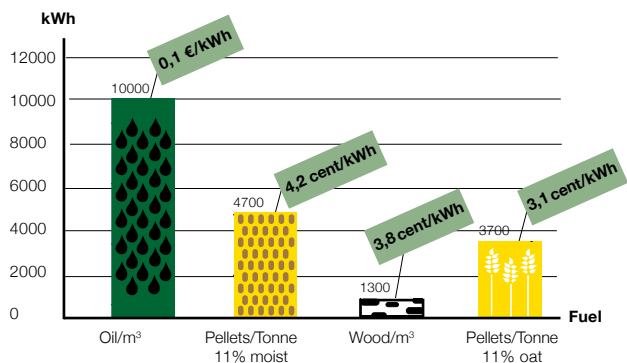


Quite simply because it is equipped with the latest technology for underfeed combustion!

This means, amongst other things, that it is easy to maintain without constant visits to the boiler room. All the fuel, even the smallest of particles, is forced upwards and into the combustion zone, where it is fully combusted before the ash particles leave the burner dish. As a result, the burner is not as sensitive to chips in the pellets, an unavoidable occurrence when the pellets are blown into the silo from a bulk tanker. The design allows the EcoTec pellet burner to handle pellets with a high ash content.



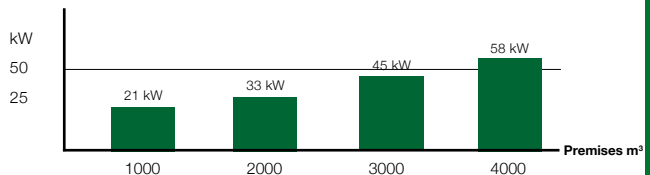
Energy values for usable fuels Jan 2007



Heat requirements of the premises

minimum ventilation 4 m ceiling height and ventilation for production

The size of the burner unit and the fan is designed to meet the heating requirements.



Technical data

	25 kW	50 kW
Weight	300 kg	400 kg
Height	1950 mm	2220 mm
Width	600 mm	925 mm
Depth	1300*mm	1500*mm
Lowest ceiling height	2300 mm	2800 mm
Flue height	1441 mm	1700 mm
Ext. flue diameter	160 mm	160 mm
Ext. ventilation connection	315 mm	400 mm
Boiler airflow output	1300**m ³ /h	2600**m ³ /h
Boiler air pressure output	300 Pa	530 Pa
Boiler hot air temperature output	60-75°C	70-80°C
Ash box volume	33 litres	53 litres
Power supply	230 VAC	400 VAC
Max. electrical power required incl. burner	1700 W	2600 W

* incl. burner and flue ** hot air

