

Krasna Hora, Central Bohemia Biogas plant

The biogas plant in Krásná Hora nad Vltavou was put into operation in 2008. It processes annually 15 500 m³ of bovine dung and further processes corn silage in the amount of 8 820 tons per year and grass silage in the amount of 8 750 tons per year, for a total of 33 070 tons of organic waste per year. Hourly production of biogas changes from 250 to 270 m³/h that is produced in a two stage digester type circle in the circle. The produced gas is burned in a cogeneration unit type Jembacher, KH - JMS312 GS total output of 526 kWe.

The produced electricity is partly used in the company for its own consumption in the amount of around 10% and the rest is delivered to the public network. The heat produced is used for own business.

Technology at a glance

- Biogas production: 250 - 270 m³/h
- Installed power: 526 kW
- Digester type and volume (m³): Two-stage fermentation: circle in the circle type
- Type of waste used: 15 500 tons/year of bovine dung, 8 820 tons/year of corn silage, 8 750 tons/year of grass silage
Amount of waste/raw material used as substrate (t/year): 33 070 t organic wastes
- Operating hours: 8 500 hours per year



Information on financing

Year of realisation: 2008

Total investment costs: € 2,77 million

Feed-in tariff electricity: 15,25 cent/kWh

More information

Potravinářská komora

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