Data sheet Hydrogen CHP

Our combined heat and power units (CHP) are available in various designs. The energy carrier is hydrogen, as an optional alternative methanol can also be used as a fuel.
A PEM fuel cell is used as the core element.
It converts the hydrogen into electricity and heat.
Both can be used via the classic power and heat coupling method.

Figure 1: Model BHKW 36

Applications

- Regular power generation
- Emergency power
- Power and heat coupling (70/ 55 °C)
- Peak shaving

Technical data

Model series	Max. electr. output [kW]	Technology	Version	Maße L x H x W [mm]
BHKW-H 5	5	PEM	Cabinet system	2400 x 1900 x 950
BHKW-H 36	36	PEM	Cabinet system	2400 x 1900 x 950
BHKW-H 72	72	PEM	Compact system	2850 x 1400 x 950
BHKW-H 144	144	PEM	Compact system	10 ft ISO Container
BHKW-H 180	180	PEM	Compact system	20 ft ISO Container
Large-scale systems	On request	On request	On request	On request

Your benefits

- **Full partial load capability 5-100%**
- **Robust industrial design**
- **No hazardous chemicals**
- **Quick start capability**
- **Plug- and-Use-systems**
- **No noise und no harmful emissions**
- **Very low maintenance**

Subject to technical changes