

DACHS SE

The compact energy center for heat,
Domestic water and electricity.



ECONOMICALLY & EFFICIENT

Full-service provider with all-round qualities



Dachs SE is the new all-round energy system for full supply of heat, electricity and hot water. With its performance and functionality, it is suitable both as an energy center for residential buildings and for properties with a high heating and hot water requirement, such as old buildings, administrative and office buildings or commercial enterprises.

Modular expandable



The basic system consisting of a Dachs heating and power plant, heat storage and hot water module covers the basic heat requirements of a residential building. If there is increased demand, e.g. in apartment buildings or for commercial use, the system can be expanded with a gas condensing boiler by 20 kW to 110 kW of heating output.

Comfortable control



The Dachs Energy Manager ensures intelligent and simple control of the Dachs SE. It is responsible for the designed for complete control of the heating center including all components such as hot water preparation, heating circuit control and additional heating. The controller also enables easy configuration via a 7" touchscreen operating display.

Intelligently networked



The Dachs energy manager also connects other devices such as battery storage, charging stations for e-mobility and a PV system and displays all energy flows in the property in a simple and transparent manner in the "DachsPortal". The Dachs can be controlled using a smartphone or PC and all switching times and target temperatures for the heating can be conveniently set. The Dachs can also be quickly integrated and controlled in a smart home or a building or energy management system via the local interface.

Modular heat supply with SE system technology

- + Integration into any existing heating system
- + Universally applicable thanks to modular extension
- + Prepared connections for hot water preparation, Heating circuits and gas condensing boiler on the heat storage tank
- + Plug & Play connection

System controller for convenient control and monitoring

- + Intuitive operating concept via 7" touchscreen
- + Various hydraulic configurations possible
- + Fast graphical parameterization of the heating Integrated Ethernet modem for transmission of Operating data

System advantages for planners and installers

- + Less time required for planning, assembly and Installation
- + Coordinated system components with clearly defined interfaces for hydraulics and exhaust gas routing provide security during planning and installation
- + Convenient setting of controller functions on site via touchscreen

- + Remote monitoring and configuration for optimal Control of service operations

More performance and service for operators

- + Energy center for electricity, heat and hot water
- + 3 power levels for power and heat optimized Operation
- + Adjustment of heat output to higher Heat requirement through installation of gas condensing boilers from 20 kW to 110 kW
- + Online access and setting options for heating parameters via the Dachs operator portal (Internet)
- + The Dachs operator portal provides convenient graphic overviews of heat and power generation, ecological balances, etc.

The Dachs can produce hydrogen

- + The Dachs 5.5 has received hydrogen certification from TÜV Süd. This means that the Dachs 5.5 can also be operated with natural gas mixed with up to 20 percent hydrogen by volume. This value is significantly higher than the current hydrogen share of the public natural gas supply.

PERFORMANCE DATA

DACHS SE

Badger	
Electrical power:	2.9 - 5.5 kW ¹⁾
Thermal performance:	7.5 - 14.8 kW ¹⁾
Fuel:	Natural gas, liquefied petroleum gas
Energy efficiency class of the combined system:	A+++
<small>1) Depending on fuel type A+++</small>	
Optional gas condensing boiler	
Thermal power: from 20 kW to 110 kW	
with badger:	up to 124.8 kW
Type:	Bread roll WGB
Exhaust system:	common exhaust system Dachs and Gas condensing boiler

Heat storage SE800 / SE800 HX	
Contents:	800 litres
Dimensions:	without (with) insulation
Diameter:	79.0 (99.0)cm
Height:	182.5 (188.0)cm
Tilting dimension:	186.5cm
Required room height:	200.0cm
System separation (only SE800 HX): as a pipe coil in the buffer tank for connection of max. 2 Dachs	
Domestic hot water module FWS40 Fresh Hydro	
Principle of hot water generation: Plate heat exchanger made of stainless steel	
Circulation:	optional in housing mountable
Discharge rate at 10° C to 45° C:	40 litres/min.

Energy label according to EU Regulation 811/2013

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The Badger. Simply generate electricity while heating.

BDR THERMEA GROUP