

ROTEX HPSU compact indoor unit

ROTEX HPSU compact outdoor unit



ROTEX HPSU compact

The all-rounder for greater convenience

The complete solution with compact dimensions and pioneering technology – heating and cooling with the highest levels of efficiency.

ROTEX HPSU compact – high class efficiency

The ROTEX HPSU compact combines highly efficient heat pump technology with an innovative thermal store in the smallest of spaces. The entire heating centre only takes up 0.36 m² (HPSU compact 304/308) or 0.62 m² (HPSU compact 508/516). Electronic management of both heat pump and thermal store (ISM = Intelligent Store Management) maximises energy efficiency at the same time as heating and domestic hot water (DHW) convenience. The HPSU compact is “Smart Grid Ready”, which means that it has already reduced its energy costs to meet anticipated future requirements. DHW heating employs the instantaneous water heating principle and is characterised by the highest standards of hygiene.

Perfect climate: Heating in winter – cooling in summer

The HPSU compact is not only designed for heating, but also for cooling when combined with an underfloor heating system. Your customised climate 365 days a year.

Low expenditure – high yield

Solar energy and heat pump complement each other ideally here. At peak levels, 80% of the solar energy that has been captured can be converted into usable heat. In conjunction with a ROTEX solar thermal system, the ROTEX HPSU compact becomes an unbeatable “solar heater”.

Your benefits with the ROTEX HPSU compact air-to-water heat pump

Outstanding efficiency

- Use of free, renewable, environmental energy from the sun and air

Innovative technology

- Intelligent Store Management (ISM) for maximum energy efficiency and highest levels of heating and DHW convenience
- Intuitively operated electronic control unit
- Smart Grid Ready
- Quiet outdoor unit thanks to „silent mode“

DHW hygiene

- Highest levels of hygiene thanks to separation of tank water and DHW
- No deposits, no legionella

Meets your needs

- Heating, cooling and domestic hot water
- Economical and quiet to run
- Compact dimensions, straightforward installation – in the smallest of spaces
- Flexible application, direct combination with solar thermal system or existing heating systems possible



The RoCon hybrid control unit

Apart from heat pump control functions, the hybrid control unit also takes on complete management of the thermal store – the heart of the hybrid heating system. This comprehensive hybrid management system ensures the highest levels of system efficiency and convenience for central heating, domestic hot water and cooling. Straightforward and consistent regulation of the ROTEX HPSU compact, with intuitive menu navigation and control via smartphone with the ROTEX app.



The hybrid heating centre – open to all energy types

The HPSU compact internal unit can furthermore be used as an efficient thermal store for additional heat sources. Apart from a solar thermal system, it can also be backed up for example by oil, gas and pellet boilers or wood burning stoves with back boilers. If you do not intend to install a solar thermal system immediately, one can be retrofitted quickly and easily at any time.