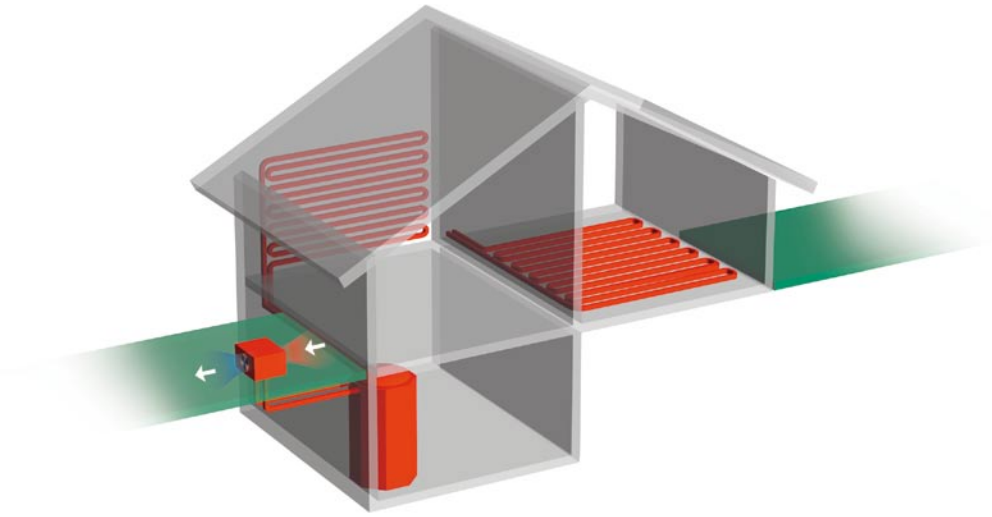
AIR HEAT PUMP

SPLIT SYSTEM

Area of application

The split air heat pump for the use of **natural, cost-free** and **renewable** solar energy is perfectly suitable for:

- **Single and multi-family homes**
- **Small properties and remodels**
- **Year-round use** for space heating and domestic hot water production



Air evaporator

High capacity evaporator for external installation in corrosion resistant aluminium design with plastic coating. **Extremely quiet** due to an optimized axial fan.

Principle

With the split air heat pump the evaporator and its fan are located outside of the house while the heat pump unit is located in the furnace area inside the house. **Heat is extracted from the air** by means of a fan and an air heat exchanger **- even at temperatures of -15 °C**. The heat pump raises the temperautre level of the collected heat for it then to be transferred to the heat distribution system.

Special characteristics

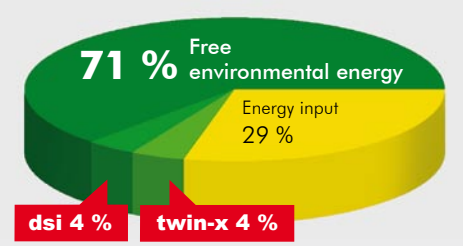
High efficiency decreases operating costs due to:
- **Heliotherm twin-x tech-nology®** for even more efficient use of the stored solar energy
- **Heliotherm dsi-technology®** (electronic injection system with automatic adjustment to individual operating conditions)

Quieter operation due to the new Heliotherm-DSG shell and an optimized fan technology

Heliotherm web control® regulation system for worldwide remote control over the Internet

The **Heliotherm tele control remote maintenance system** offers reliability and easy customer control

International quality inspection seal



Advantages: split air heat pump

- **Minimal space requirement**
- **Universally applicable, simple supplemental installation**
- **Maintenance-free and thus low operating costs**
- **High operational reliability due to a closed circuit**
- **Extemely environmentally friendly**
- **Exceptionally quiet due to an optimized fan technology**

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TECHNICAL DATA

HEAT PUMP	HP10L -WEB	HP12L -WEB	HP16L -WEB	HP20L -WEB
Heat output A2/W35*	9,9 kW	12,2 kW	14,8 kW	20,7 kW
Power input A2/W35	2,5 kW	3,1 kW	3,8 kW	5,8 kW
Working medium	R410a	R410a	R410a	R410a
Design compressor	Scroll	Scroll	Scroll	Scroll
Evaporator design	disk pack	disk pack	disk pack	disk pack
Dimensions in cm	138x46x52	138x46x52	138x46x52	138x46x52

* Performance ratings after EN255. Heating temperature difference at aforementioned operating point of 9,9 Kelvin. For interpretation the exact system data must be calculated.

Condenser design: plate heat exchanger

Service / Maintenance

Specially trained and competent regional affiliates ensure reliable and consistent service.

Financial incentives

Heat pump are considered a renewable energy source and are thereby often financially subsidized by national, regional and county agencies as well as energy suppliers. Further information regarding subsidy programs may be acquired through your Heliotherm-supplier.

Heliotherm ranks high amongst the leading European manufacturers of heat pump system technology. Heliotherm's 20 years of experience contribute to the development and production of high quality heat pumps. Over 12,000 satisfied customers attest to our success. We offer to our success. We offer to our customers reliable and innovative products with the highest performance ratings.

Certificated quality

twin-x

Heliotherm twin-x cooling technology®:
Patented technology for better use of stored solar energy - SPF > 5

web Control

Internet-controller Heliotherm web control®:
- Worldwide remote control
- Internet-compliable regulation equipment
- Easy operation

tele Control

Heliotherm tele control
Internet remote control system:
New remote operation and diagnostic system in conjunction with online data recording and trend analysis

dsi TECHNIK

Electronic injection system
Heliotherm dsi-Technik®:
Heliotherm **dsi-technology®** is an electronic injection system which regulates heat pump settings to optimise efficiency. Dsi® automatically adjusts to changing operatingconditions thus significantly lowering operating costs.

Your partner for **reliable planning, consultation and installation!**