

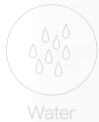
**Basic Comfort** Air Source Heat Pump - Split Design Modulating | 8 | 12 | 20 kW



Air



Ground



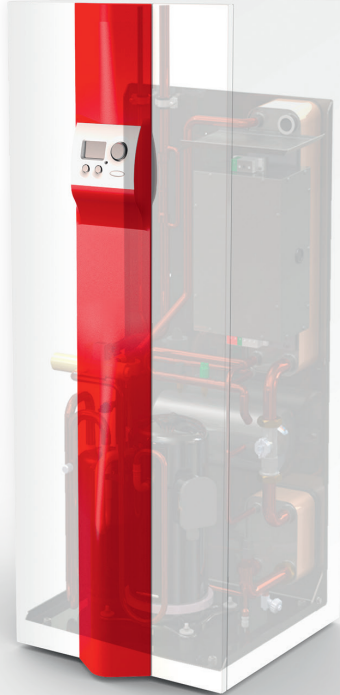
Water



Brine



PV



Modulating



PV-ready



Cooling



The **Heliotherm Basic Comfort Air / Water** heat pump Split Design adapts automatically to the building's heating requirements and ensures maximum heating and living comfort for the single or multi-family home. The attractively priced Basic Comfort Split achieves a solid base for efficient and **environmentally friendly** heating, domestic hot water and cooling (optional).

The accessible use of **self-generated electricity** from a **photovoltaic system**, allows you to use the energy as efficiently and cost effective as possible. The **possible combinations** of adapting the heat pump to varied buffer storage units and heat distribution systems allow the **flexibility** needed for planning an ideal heating system. **Active cooling** is an additional reversible operation in the Sensor Comfort Split heat pump that provides for pleasant room climate temperatures during the summer season.

\* **COP** (Coefficient Of Performance)

The COP is a measure of the amount of power input to a system compared to the amount of power output by that system = The present coefficient of performance (COP) of a heat pump is the heat output ratio to the drive performance.

**The advantages**

- ✓ High efficiency through innovative **modulation technology**
- ✓ **Compatible** with modern **building management** systems
- ✓ Connection-ready to a PV system  
→ **the own use of electricity**
- ✓ Integrated **high efficiency pump A+**
- ✓ Safe and **almost maintenance-free** operation is obtained through the scroll compressor's innovative technology
- ✓ **Continuous monitoring**  
→ automatic optimizing of refrigerant cycle (**RPM**)
- ✓ **Including flexible connecting tubes**

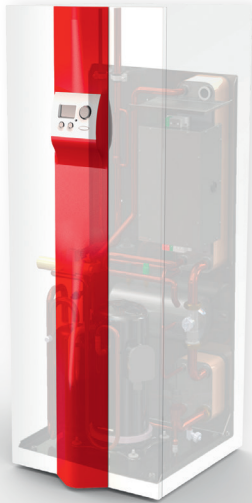


# Basic Comfort

Air Source HP - Split Design Modulating | 8 | 12 | 20 kW

**HELIO THERM**

The Heat Pump



- **Fully modulating**
- **dsi-Technology®**
- Calorimeters
- **twin-x-Technology®**
- Scroll Compressor



web control®



Optimized refrigerant cycle



dsi-Technology®

| Basic Comfort                            | Unit      | HP08L-M-BC    | HP12L-M-BC    | HP20L-M-BC    |
|--|-----------|---------------|---------------|---------------|
| Heating capacity at A7/W35 (10%)         | kW        | 4,8           | 7,3           | 11,6          |
| COP at A7/W35                            |           | 5,3           | 5,3           | 5,2           |
| Heating capacity at A2/W35 (30%)         | kW        | 6,0           | 9,5           | 15,5          |
| COP at A2/W35                            |           | 4,3           | 4,2           | 4,2           |
| <b>Heating capacity at A-7/W35 (50%)</b> | <b>kW</b> | <b>8,3</b>    | <b>12,2</b>   | <b>18,5</b>   |
| COP at A-7/W35                           |           | 3,3           | 3,3           | 3,1           |
| Max. outlet heating temperature          | °C        | 62            | 62            | 62            |
| Dimensions (H x W x D)                   | cm        | 170 x 60 x 67 | 170 x 60 x 67 | 170 x 60 x 67 |
| Weight                                   | kg        | 175           | 180           | 185           |

| Option reversible cooling   | Unit | HP08L-M-R-BC | HP12L-M-R-BC | HP20L-M-R-BC |
|-----------------------------|------|--------------|--------------|--------------|
| Cooling capacity at A35/W18 | kW   | 10,3         | 12,2         | 18,2         |
| EER at A35/W18              |      | 4,2          | 4,4          | 4,2          |
| Cooling capacity at A35/W7  | kW   | 10,0         | 12,3         | 18,1         |
| EER at A35/W7               |      | 3,8          | 3,7          | 3,9          |
| SEER at A35/W18 (EN 14825)  |      | 6,3          | 5,9          | 6,2          |

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