

# SENSOR

**HELIO THERM**  
The Heat Pump

Solid Brine / Water Modulating | 30 | 60 | 100 kW



Air



Ground



Water



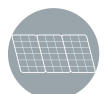
Brine



PV



Modulating



PV-ready



Cooling

**A+++**  
**ENERGY**

The comfortable **Sensor Solid M Series large heat pump** adjusts automatically to the building's heating requirements, assuring efficient operation and cost-effective savings.

The **Brine / Water heat pump** Sensor Solid M Compact Design achieves high heating demands due to its up to 100 kW capacity. An ideal solution for spacious residential buildings, hotels and commercial buildings.

The building's greater or lesser heating demand is detected by the ambient temperature. The innovative modulation technology adjusts the heat pump to the required heat output. Therefore, resulting in higher efficiency and substantial CO<sub>2</sub> savings at minimal energy costs.

\* **SCOP** (Seasonal Coefficient Of Performance)  
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

## The advantages

- ✓ **Performance range** from 30 to 120 kW for optimum energy supply in buildings with higher heating demand
- ✓ **Maximum efficiency** through fully automatic adjusted heating > also in partial load operation
- ✓ Safe and virtually **maintenance-free operation** is obtained through the scroll compressor's innovative technology
- ✓ **Quiet** and low vibration during operation due to **optimized acoustic case** design
- ✓ User-friendly & **innovative regulator** Remote Control for weather data based operation



# Solid

## Brine / Water Modulating | 30 | 60 | 100 kW

**HELIO THERM**  
The Heat Pump



- **dsi-Technology®**
- **twin-x-Technology®**
- DC compressor
- Tempered Glass
- **Fully modulating**



web control®



Optimized refrigerant cycle



dsi-Technology®

| Sensor Solid M Brine | Type | 30S40W-M-Solid | 60S80W-M-Solid | 100S120W-M-Solid |
|----------------------|------|----------------|----------------|------------------|
|----------------------|------|----------------|----------------|------------------|

### Heating performance data

acc. to EN 14825 (climate zone: colder)

|                                   |    |               |                |                |
|-----------------------------------|----|---------------|----------------|----------------|
| Nominal heating capacity (B0/W35) | kW | 30,1          | 58,5           | 91,9           |
| Cooling capacity                  | kW | 24,3          | 45,3           | 73,3           |
| Power consumption                 | kW | 5,9           | 12,3           | 18,6           |
| COP (B0/W35)                      |    | 5,2           | 4,8            | 4,9            |
| SCOP                              |    | 5,6           | 5,9            | 6,4            |
| Outlet heating temperature        | °C | 62            | 62             | 62             |
| Dimensions (H x W x D)            | cm | 72 x 69 x 161 | 121 x 92 x 170 | 121 x 92 x 170 |

| Performance data for cooling 100% | Type | 30S40W-M-Solid | 60S80W-M-Solid | 100S120W-M-Solid |
|-----------------------------------|------|----------------|----------------|------------------|
|-----------------------------------|------|----------------|----------------|------------------|

|                          |    |      |      |       |
|--------------------------|----|------|------|-------|
| Cooling Capacity B10/W18 | kW | 29,8 | 59,2 | 105,5 |
| EER B10/W18              |    | 9,3  | 8,1  | 7,7   |
| Cooling Capacity B10/W7  | kW | 30,3 | 60,9 | 100,5 |
| EER B10/W7               |    | 7,4  | 6,3  | 6,6   |
| Weight                   | kg | 220  | 520  | 630   |

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Presented by your local Heliotherm competence partner.

