

SENSOR

HELIO THERM
The Heat Pump

Solid Water / Water Heat Pump Modulating | 40 | 80 | 120 kW



Air



Ground



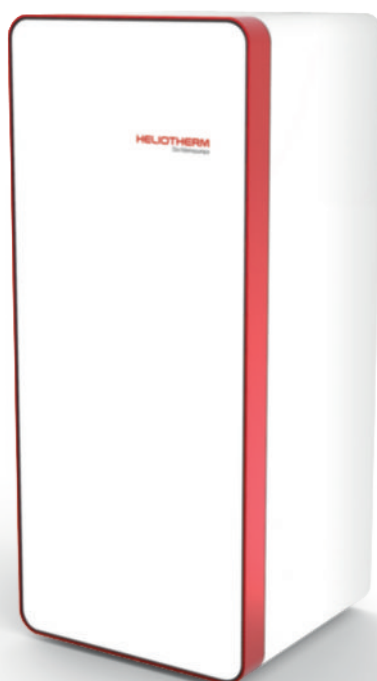
Water



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 **Water / Water heat pump** Sensor Solid M Compact Design achieves high heating demands due to its up to 120 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 CO₂ 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 40 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

Wasser / Wasser WP Modulierend | 40 | 80 | 120 kW

HELIO THERM
The Heat Pump



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



Optimized refrigerant cycle



dsi-Technology®

Sensor Solid Water	Unit	30S40W-M-Solid	60S80W-M-Solid	100S120W-M-Solid
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Heating performance data

acc. to EN 14825 (climate zone: colder)

Nominal heating capacity (W10/W35)	kW	39,8	79,5	120,5
Cooling capacity	kW	34,2	66,5	101,0
Power consumption	kW	5,8	13,0	19,5
COP (W10/W35)		6,9	6,1	6,2
SCOP		8,4	8,0	8,5
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%	Unit	30S40W-M-Solid	60S80W-M-Solid	100S120W-M-Solid
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Cooling capacity W10/W18	kW	29,8	59,2	105,5
EER W10/W18		9,3	8,1	7,7
Cooling capacity W10/W7	kW	30,3	60,9	100,5
EER W10/W7		7,4	6,3	6,6
Weight	kg	220	520	630

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Presented by your local Heliotherm competence partner.

