HELIOTHERM
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 CO2 savings at minimal energy costs.

*** SCOP** (**S**easonal **C**oeffizient **O**f **P**erformance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

The advantages

HIGH EFFICIENT SCOP* 6,4 INNOVATIVE MODULATING TECHNOLOGY

- **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

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The Heat Pump

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

web control®

twin-x
Optimized refrigerant cycle

dsi TECHNIK
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

Presented by your local Heliotherm competence partner.

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