



HIGH-TEMPERATURE BRINE-TO-WATER HEAT PUMP: UNIVERSAL DESIGN - MAX. FLOW TEMPERATURE 70 °C

HIGHER FLOW TEMPERATURES FOR HEATING AND DOMESTIC HOT WATER PREPARATION

Usually, when a heating system is modernised, a new, more efficient heat generator must be integrated into an existing heat distribution system. More often than not, the necessary flow temperatures are not known at all or only approximately. Dimplex high-temperature brine-to-water heat pumps always guarantee cosy heat: whether with the maximum flow temperature of 70 °C or with subsequently lowered flow temperatures after renovation measures have been carried out.

LOW-TEMPERATURE HEATING SYSTEMS AND DOMESTIC HOT WATER UP TO 60 °C

High-temperature brine-to-water heat pumps are also suitable for new buildings. Excellent COPs can be achieved in combination with underfloor heating. High-temperature heat pumps are the first choice for builders who want to rely on modern heat pump technology whilst not forgoing high hot water temperatures.



HIGH-TEMPERATURE HEAT PUMP

- ✓ Maximum flow temperature of 70 °C
- ✓ Hot water temperatures up to 60 °C with heat-pump-only operation
- ✓ High COPs through economiser
- ✓ Universal design for customisation of the distribution system
- ✓ Can be used for heating, domestic hot water and swimming pool water preparation

UNIVERSAL DESIGN FOR FLEXIBLE USE

Due to their universal design with integrated heat pump manager, the heat pumps can be adapted to numerous customer requirements: These heat pumps can be used as monovalent heat pump heating systems or in combination with other heat generators, if necessary, they can supply several heating circuits at different temperature levels and they can even be used for domestic hot water and swimming pool water preparation. The control panel is removable and can be installed at the optimal operating height using our wall mounting set.

DEVICE INFORMATION HIGH-TEMPERATURE BRINE-TO-WATER HEAT PUMPS:

Order reference		SIH 6ME	SIH 9ME	SIH 11ME	SIH 6TE	SIH 9TE	SIH 11TE
Design		universal	universal	universal	universal	universal	universal
Connection voltage	V	230	230	230	400	400	400
Maximum flow temperature	°C	70	70	70	70	70	70
Heat output according to EN 14511 at B0/W35	kW	6	8,9	10,7	6,1	8,9	10,9
COP according to EN 14511 at B0/W35	-	4,1	4,0	4,5	4,5	4,4	4,5
COP according to EN 14511 at B0/W45	-	3,2	3,3	3,5	3,5	3,4	3,5
Width	mm	650	650	650	650	650	650
Height	mm	805	805	805	805	805	805
Depth	mm	462	462	462	462	462	462

GROUND OR WASTE HEAT AS HEAT SOURCE

Dimplex brine-to-water heat pumps utilise the ground as their heat source, which stores enormous amounts of energy generated through precipitation and solar radiation. Two different systems are available for extracting energy from the ground on a permanent basis: ground heat collectors, which are installed close to the surface, and borehole heat exchangers, which are installed deep underground. Apart from using the ground as the heat source, the brine-to-water heat pump also offers the possibility to directly feed existing waste heat (e.g. from production processes) into the brine circuit. The high-temperature brine-to-water heat pump can raise this otherwise wasted energy to a considerably higher and thus usable temperature level.