

Energy efficient split solution

METROAIR Split

METROAIR Split is a combination heating system that heats smaller homes and produces domestic hot water. The system is specially developed for the demanding Scandinavian climate.

The system consists of an outdoor unit METROAIR L and an indoor unit SHK 200S with a built-in control unit.

Advantages with METROAIR Split

- Heating, cooling and domestic hot water production for smaller homes.
- Energy efficient with SCOP of up to 4.8 at 35 °C (METROAIR Split 6, average climate zone).
- Suitable for the cold, northern European climate - utilizes the energy from the outdoor air down to -20 °C.
- User friendly control unit.



Package energy label A+++/A for METROAIR Split 6, 8 and 12 at space heating (35 °C) and production of domestic hot water.

Control unit is integrated into the indoor section from June 2019.

Two quality products - one high performance

METROAIR Split is a system solution from METRO THERM, where we have combined two quality products in one high performance solution with a SCOP of up to 4.8. The solution consists of an outdoor unit that utilizes the energy from the outdoor air to produce domestic hot water and heat for the home, an indoor unit with a 180 liter hot water tank and integrated control unit. In addition to heating and hot water production, METROAIR Split can also cool the home.

Advantages with METRO THERM heat pumps

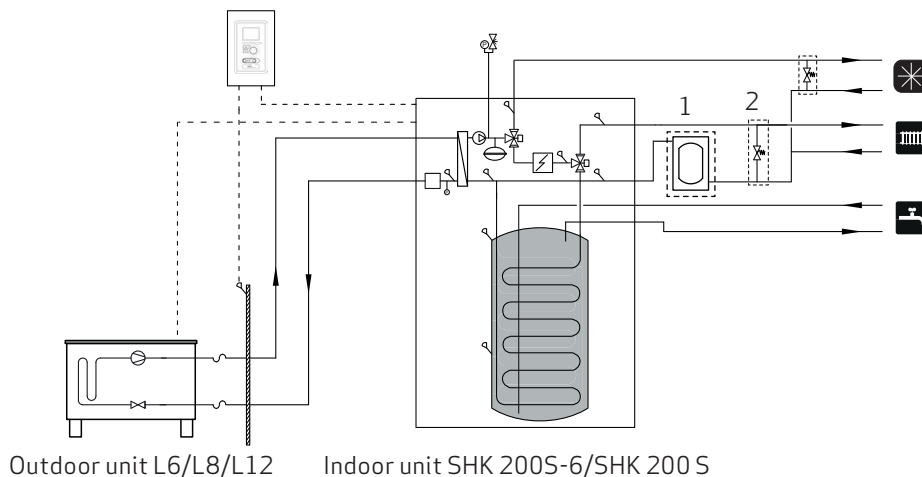
METROAIR Split utilized the energy from the outdoor air from -20°C. It is important that METROAIR Split is connected to a low temperature heating system such as water borne radiators or underfloor heating. The radiators should be dimensioned for low temperatures - we recommend a maximum of 55°C.

METROAIR Split 6, 8 and 12



LEGEND

- 1. Buffer tank
- 2. Safety valve



Technical data

Indoor unit	SHK 200S(-6)	Outdoor unit	L6	L8	L12
Height	1600	Refrigerant R410A	1,5 kg	2,55 kg	2,9 kg
Min. height for installation	1750	Max. refrigerant pipe (one way)	30 m	30 m	30 m
Width	600	Compressor effect 7/45 heating	1,5-6 kW	3-8 kW	3,5-12 kW
Depth	600	Compressor effekt 35/18 cooling	2,1-7,1 kW	3-9,2 kW	3,3-12 kW
Weight	165	Performance data, EN14511 (output, kW/input, kW/COP)			
Volume hot water	180	7/45°C	2,67/0,5/5,32	3,86/0,83/4,65	5,21/1,09/4,78
Low energy circulation pump	Yes	2/35°C	2,32/0,55/4,2	5,11/1,36/3,76	6,91/1,79/3,86
Safety valve	Yes	-7/35°C	4,6/1,79/2,57	6,6/2,46/2,68	9,0/3,27/2,75
Expansion vessel	10	SCOP* - 55/35°C	3,46/4,8	3,25/4,38	3,38/4,43
Electric heater	9	Pdesign - 53/35°C	5,3/4,8	7,0/8,2	10,0/11,5
Volt	3x400	Energy label - product label, 55/35°C	A++/A++	A++/A++	A++/A++
Hot water tank	Enamelled	Energy label - package label, 55/35°C	A+++/A++	A+++/A++	A+++/A++
V40 volume	230 liter	Temperature range, heating with compressor (surrounding temperature)	+15 - +43°C	-20 - +43°C	-20 - +43°C
Energy label	A++	Temperature range, cooling (surrounding temperature)	+15 - +43°C	+15 - +43°C	+15 - +43°C
Consumption profile	A/XL	Max. sound effect level (EN12102) at air 7°C	51 L _w (A)	55 L _w (A)	58 L _w (A)
		Height x width x depth	595 x 780 x 340 mm	595 x 780 x 340 mm	845 x 970 x 370 mm
		Weight	46kg	60kg	74 kg

* According to EN14528 - Average climate

METROAIR Split	6	8	12
VVS-nr.	346642812	346620008	346620012
METRO-nr.	180000028	180000017	180000032