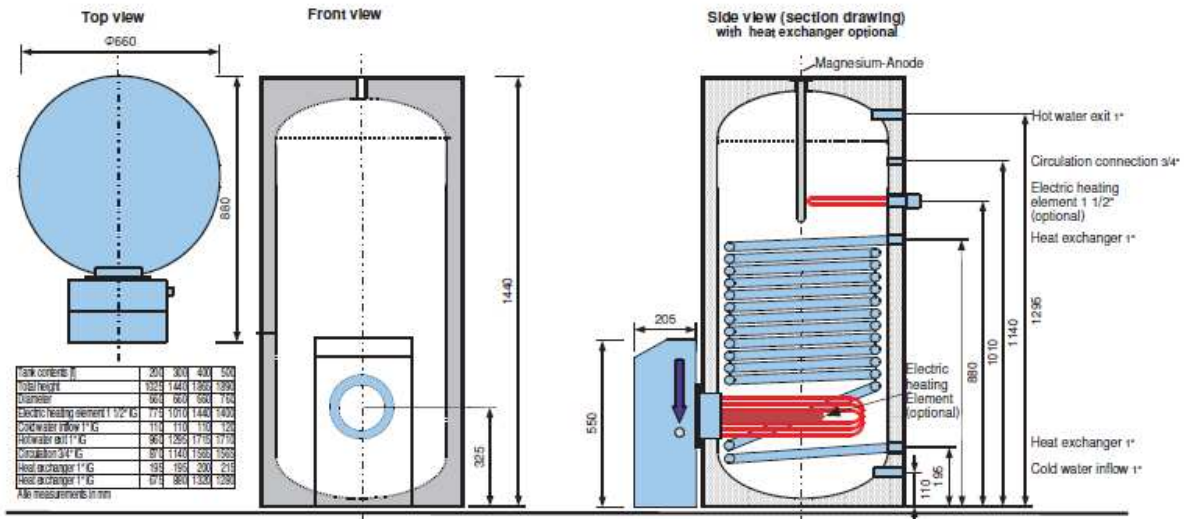


HWBW-K Premium domestic hot water heat pump using the underfloor heating return



Hot water heat pump uses the underfloor heating return as heat source. The pressure resistant tank is made of ST 37-2, special enamelled according to DIN 4753 with magnesium anode and PU-rigid foam insulation. The model with a suffix „T“ has an internal straight-tube heat exchanger in addition for connection with a solar heating system or a solid fuel boiler. The heat pump includes a high efficiency, suction gas cooled compressor, stainless steel 1.4401 copper welded evaporator. The heat pump is designed to fulfill all required EU-standard safety regulations. It is controlled by the Hautec heat pump for the heating system in connection with the hot water temperature sensor (HBF02), the internal software modification or otherwise controlled automatically by an built-in thermostat (HBER). It is easy to assemble and has some optional accessories. The equipment is available with R134a refrigerant. For fault free operation, at least 80 m² of the underfloor heating circuit must be available as a source on demand.

Hot water



HWBW-K

HWBW-K Premium domestic hot water heat pump using the underfloor heating return

Type		HWBW K 200M	HWBW K 300M	HWBW K 400M	HWBW K 500M	HWBW K 300 T26	HWBW K 400 T38	HWBW K 500 T40
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant filling weight	kg	0,43	0,43	0,43	0,43	0,43	0,43	0,43
Heating capacity W20/W45 (EN 255)	kW	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Power consumption W20/W45 (EN 255)	kW	0,40	0,40	0,40	0,40	0,40	0,40	0,40
COP W20/W45 (EN 255)		>4,0	>4,0	>4,0	>4,0	>4,0	>4,0	>4,0
Heating up-time from 15 to 45 °C at source 20°C	h	5,0	7,0	9,0	11,0	7,0	9,0	11,0
Heating up-time from 15 to 55 °C at source 20°C	h	7,8	9,2	11,5	14,5	9,2	11,5	14,5
Source min. volume flow	m ³ /h	0,52	0,52	0,52	0,52	0,52	0,52	0,52
Source nominal volume flow	m ³ /h	1,03	1,03	1,03	1,03	1,03	1,03	1,03
Source internal pressure drop	hPa	60	60	60	60	60	60	60
Source connection dimensions	Inch	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Source entrance min.	°C	15	15	15	15	15	15	15
Source entrance max.	°C	40	40	40	40	40	40	40
Tank volume	l	200	300	400	500	300	400	500
Tank temperature max.	°C	65	65	65	65	65	65	65
Tank connection dimensions water	Inch	1	1	1	1	1	1	1
SOLAR heat exchanger Connection dimensions	Inch					1	1	1
SOLAR heat exchanger Square	m ²					2,6	3,8	4,0
SOLAR heat exchanger volume	l					12	18	18,5
SOLAR internal pressure drop	hPa					80	90	100
Nominal voltage	V	230	230	230	230	230	230	230
Fuse (delay)	A	10	10	10	10	10	10	10
Measurement height	mm	1025	1440	1865	1890	1440	1865	1890
Measurement width	mm	660	660	660	760	660	660	760
Measurement depth	mm	880	880	880	980	880	880	980
Weight (with tank)	kg	103	110	130	137	125	145	168