Solarico®

ENERGY SYSTEMS

Innovative
Composite
New Generation

UniQube Heat Pump

Solar Storage Tank
Domestic Water Heater
Stratified Separator Storage Tank

A+

A+
A
B
C
D
E
F

UniQube
Heat Pump

Solar Storage Tank
Domestic Water Heater
Stratified Separator Storage Tank

■ **HIGH C.O.P.**
C.O.P. (coefficient of performance) is a rating which tells us how much heat is produced compared to the amount of electricity used.

■ **MANUFACTURED ACCORDING TO HIGHEST EU STANDARDS**
Manufactured in Europe according to highest standards.

■ **SIMPLE INSTALLATION AND CONTROL**
Heat pumps for sanitary water are simple to install into your area and they're even simpler to control. You'll have virtually no work with them.

■ **HEAT TRANSMITTER**
Coiled in the inside of buffer water container, it has a lifespan that is practically unlimited, since it is not in direct contact with sanitary water.

■ **ENERGY CLASS A**
Heat pumps for sanitary water with the A Energy Class are placed among the best energy efficient machines on the European market.

TOUCHSCREEN INTELLIGENT CONTROL
The UniQube Heat Pump is controlled with a friendly and logical user interface on a comfortably big touchscreen.
Options for connection to different heating systems (heating oil, wood, pellets or solar system).
Options for connection to photovoltaic.

C.O.P. 4.1

A DHW HEATING ENERGY CLASS

30 YEAR WARRANTY ON HOT WATER TANK

CONTROL OF SOLAR SYSTEM

NEW

TÜV HESSEN

ISO 9001
LL-C (Certification)

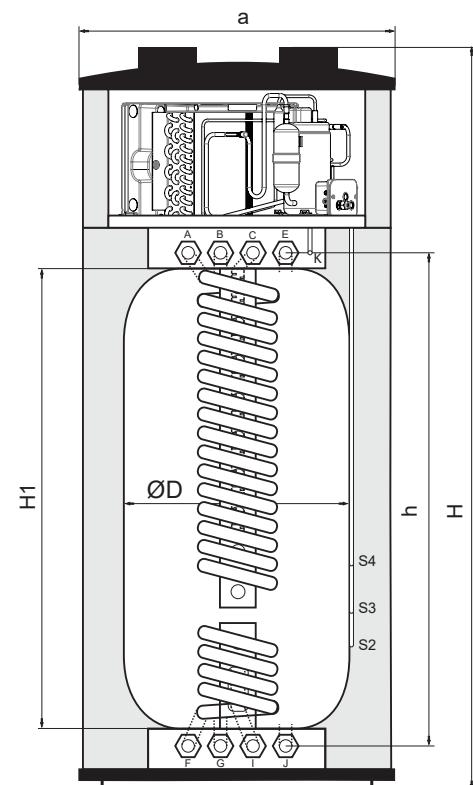## For your home: 6 functions heat pump integrated tank

Heat pump integrated UniQube enables savings of up to 70% per year and can operate at external air temperatures of -10 °C. An additional space can be cooled or ventilated with this model. Tank inside is fully equipped model, combining functions of stratification, hygienic water heater, buffer, hydraulic separator, solar storage tank and solar support for the heating system. It is 1 piece solution for high effi-ciency central heating systems.

solarico®

UNIQUBE MODEL - SOLAR STORAGE TANK, DOMESTIC WATER HEATER, STRATIFIED SEPARATOR STORAGE TANK		
TYPE SQ-BPSW		**310**
D (diameter)	(mm)	620
H1 (height)	(mm)	1300
h (connectors)	(mm)	1470
Connections C, E, I, J		5/4"
H (height)	(mm)	2000
a (width)	(mm)	734
max. working temp.	(°C)	90
max. working pressure	(bar)	6
max. test pressure	(bar)	9
Net tank capacity	(liters)	290
Approx. weight	(kg)	119
S2 Solar sensor position	(mm)	1110
S3 Heating sensor position	(mm)	910
S4 DHW sensor position	(mm)	710
Pivot measurement	(mm)	2130
Solar heat exchanger		
Connections F, G		5/4"
max. working pressure	(bar)	10
max. test pressure	(bar)	15
capacity	(liters)	5
output area	(m²)	1,2
Water heat exchanger		
Connections A, B		5/4"
max. working pressure	(bar)	10
max. test pressure	(bar)	15
capacity	(liters)	15
output area	(m²)	3,8

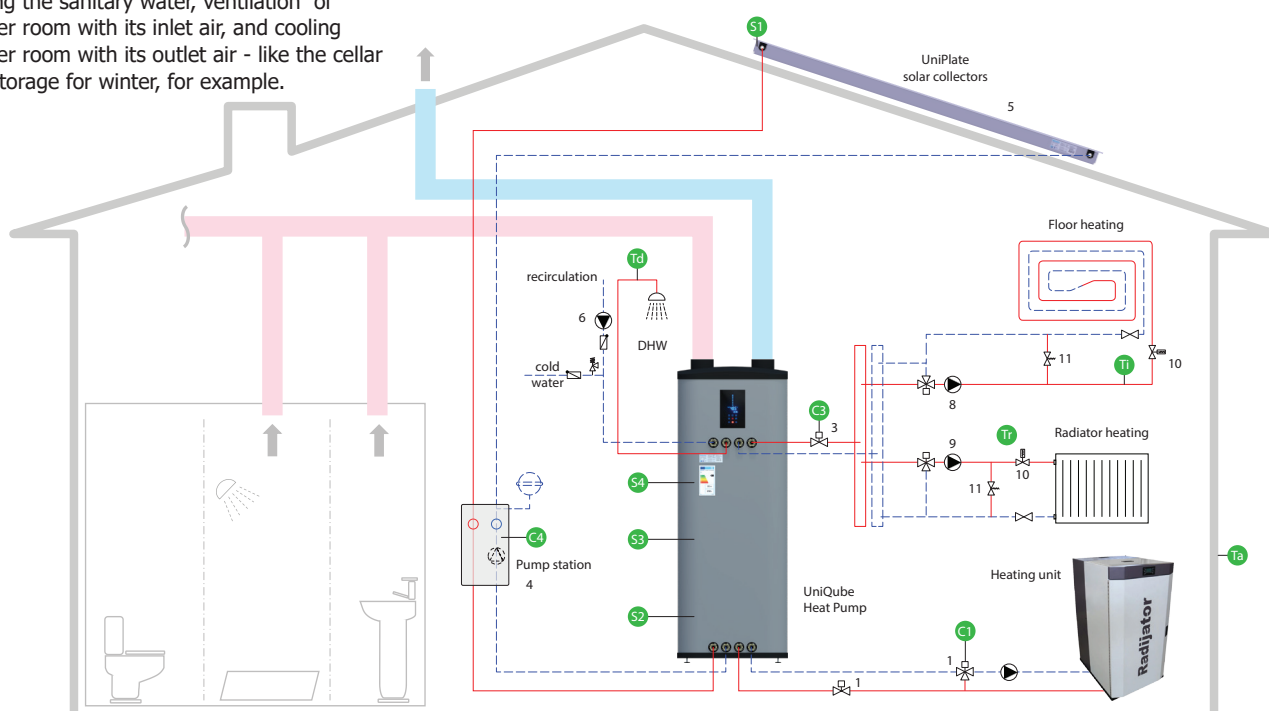| UNIQUBE HEAT PUMP UNIT		
TYPE DHWHP-O		**3000**
Operational area of the compressor	°C	-3~35
Max. temperature of output water	°C	55
Heat output	W	2800
C.O.P. A20/W15-W45		4.1
Type of compressor		Hitachi - rotary
Compressor consumption	W	695
Rated current of the compressor	A	3.2
Refrigerant		R134a
Electricity supply		230 V / 1 Ph / 50 Hz
Required fuse	A	16
Noise level	dB(A)	48
Airflow	m³	500
Available pressure	Pa	60
Diameter of air pipe	mm	150
Max. length of air pipe	m	10
Net weight of heat pump unit	kg	40
Use of hot water cycle		XL
Sanitary water heating energy class		A

A - Cold water in
B - Hot water out
C - Heating in
E - Heating out
F - Solar in
G - Solar out
I - Boiler in
J - Boiler out
K - Condensate drainage
S2 - Solar sensor
S3 - Heating sensor
S4 - DHW sensor

UniQube Heat Pump
Heart of your System

UTILISING INLET/OUTLET AIR
Heating the sanitary water, ventilation of another room with its inlet air, and cooling another room with its outlet air - like the cellar with storage for winter, for example.

Solarico®

UniQube
Heart of your energy systems