



INDOOR INSTALLATION



OUTDOOR INSTALLATION



ELECTRICAL PANEL
TECHNICAL ROOM

- **HEAT PUMP UNIT TO PRODUCE HOT WATER UP TO 65°C WITH EXTERNAL TEMPERATURE OF -20 °C**
- **OPERATING LIMITS FROM -20°C UP TO 42°C (AMBIENT TEMPERATURE)**

Characteristics

- Maximum safety under all working conditions. These heat pumps can produce hot water up to 65°C. They can also operate with outside temperatures ranging between -20°C and 42°C, always ensuring continuous operation.
- Available in 3 sizes and two versions
- Outdoor or indoor installation
- Possible plants layout : no. 70 - 71 - 72 - 74 (ref. to technical / installation manual)

Main characteristics:

- Water filter
- Safety valve
- Scroll type compressors
 - High level of reliability
 - High efficiency
- Electronic regulator capable of managing a double function- controlling the heat pump and managing the hydraulic system components (Storage system, domestic hot water (DHW) storage, a three-way valve (1 max), mixing valve (1 max),

pumps (3 max), probes, etc.).

- Platetype exchanger externally insulated with a closed cell cover that minimises heat loss. Optimised for enhanced efficiency
- Electric resistor for platetype exchanger.
- PLUG-FAN fan with highhead and particularly silent operation
- The units are characterised by being very compact and are varnished with polyester powders to protect them against atmospheric agents.

Accessories

- **VT:** Anti-vibration mountings, set of four vibration-damping components to fit under the steel base of the unit.
- **S...S:** Domestic hot water (DHW) storage; available in three different capacities: 300, 400 and 500 litres (**S300S**, **S400S** and **S500S**).
- **RXS:** Electric resistors for domestic hot water (DHW) storage; available in two models: single-phase, 3 kW (**RXS3M**), or three-phase, 3 - 6 - 8 kW (**RXS3T**, **RXS6T**, **RXS8T**).
- **S...I:** Storage system; available in four different capacities: 200, 300, 400 and 500 litres (**S200I**, **S300I**, **S400I** and **S500I**).
- **TASRP:** Room temperature probe, it allows users to set the room air value, with a correction of $\pm 3^{\circ}\text{C}$.
- **TADSRP:** Room temperature probe with display, it offers all the same functions available with Elesta control electronics.
- **QLT:** (**Obligatory accessory**) Electrical panel of the technical room containing the Elesta control electronics, and the power and safety components necessary for the unit to function; this accessory is available in different presentations (wired according to the type of unit chosen):
 - **QLT10RT**, electrical panel for **SRP10** with domestic hot water (DHW) storage managed by a three-phase resistor;
 - **QLT10T**, electrical panel for **SRP10**, three-phase standard;
 - **QLT14RT**, electrical panel for **SRP14** with domestic hot water (DHW) storage managed by a three-phase resistor;
 - **QLT14T**, electrical panel for **SRP14**, three-phase standard;
 - **QLT14RM**, electrical panel for **SRP14** with domestic hot water (DHW) storage managed by a single-phase resistor;
 - **QLT14M**, electrical panel for **SRP14**, single-phase standard;
- **QLT19RT**, electrical panel for **SRP19** with domestic hot water (DHW) storage managed by a three-phase resistor;
- **QLT19T**, electrical panel for **SRP19**, three-phase standard;
- **FV:** (**Obligatory Accessory**) Flange for airside channeling, needed for indoor installation;
- **COVE:** (**Obligatory accessory**) Upper metal cover, needed for Outdoor installation, painted with polyester powders to protect units against atmospheric agents;

SRP Unit	Compatibility of accessories			
	10T	14M	14T	19T
Compulsory accessories:				
QLT M (single-phase units without domestic water resistors)		✓		
QLT RM (single-phase units with domestic water resistors)		✓		
QLT T (three-phase units without domestic water resistors)	✓		✓	✓
QLT RT (three-phase units with domestic water resistances)	✓		✓	✓
FV	✓	✓	✓	✓
COVE	✓	✓	✓	✓
Optional accessories:				
TASRP	✓	✓	✓	✓
TADSRP	✓	✓	✓	✓
VT 9	✓	✓	✓	✓
S300S	✓	✓	✓	✓
S400S - S500S	✓	✓	✓	✓
S200I - S300I - S400I - S500I	✓	✓	✓	✓
RXS3M		✓		
RXS3T - RXS6T - RXS8T	✓		✓	✓
Compatibility between domestic hot water (DHW) tanks and electric resistors for domestic water storage (RXS)				
	RXS3M	RXS3T	RXS6T	RXS8T
S300S	✓	✓	✓	
S400S	✓		✓	✓
S500S	✓		✓	✓

Is there a version marked by the initials V1, equipped with simplified electronics can handle the drive and the production of hot water;

With the SRP - V1 is no longer necessary accessories QLT, and TDASRP TASRP; for remote control of this version is available PR3 and accessory kits are 2 pumps (for KPSRP14 SRP10-14 / KPSRP19 for SRP19) Optional accessories only at the factory.

Example of commercial code:

SRP 14 ° ° ° T - V1 (with simplified electronic version)

Choice of Unit

Field configurer:

1 2 3
|
Code

4 5
|
Size

6
|
Ventilation

7
|
Soft start kit

8
|
Supplementary
elect. resistance

9
|
Power supply

By suitably combining the numerous options available, it is possible to configure each model in such a way as to meet the most particular of system requirements.

Code:
SRP

Size:
10 - 14 - 19

Ventilation:
° - Standard

Soft-start:
(standard for the single-phase version)

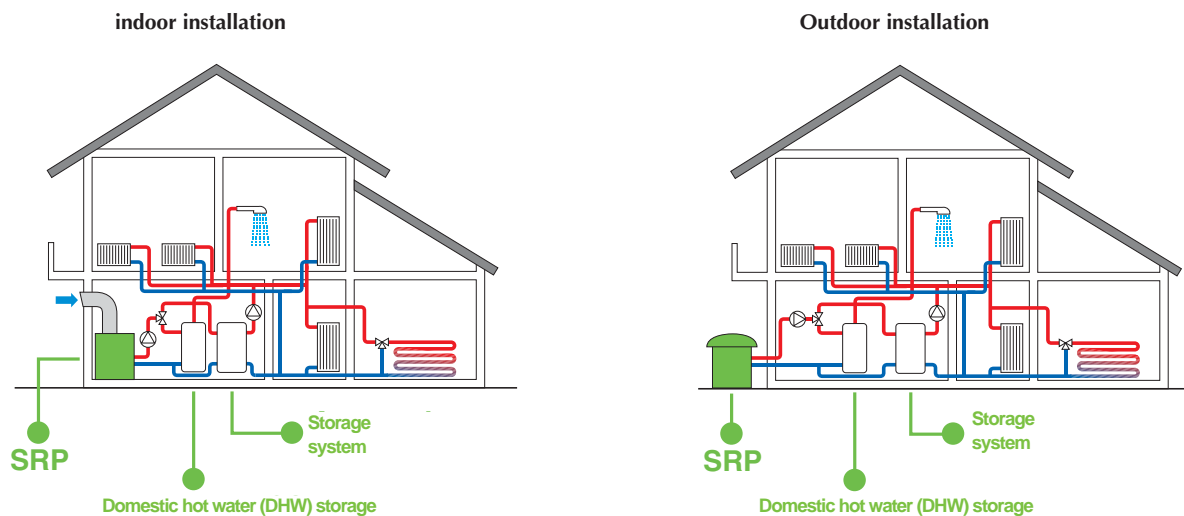
- ° - Standard
- S - With Soft-Start kit
(to be assembled in the factory)

Supplementary elect. resistors:
° - Standard (without supplementary electric resistors)
R - With supplementary electric resistors

Power supply: *
M - 230V~50Hz
T - 400V 3N~ 50Hz

* Single-phase supply available only for SRP 14M.

Installation example



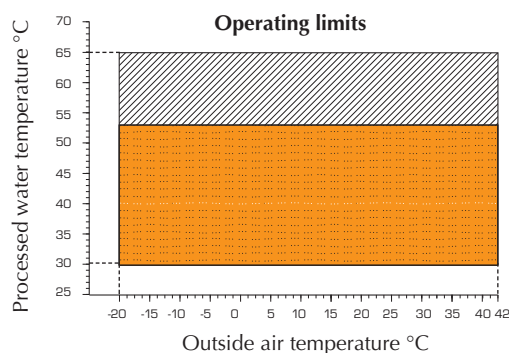
Technical data

Mod.		SRP10T	SRP14M	SRP14T	SRP19T
Heating capacity (kW)		10	14.0	14.1	19.1
Total power input (kW)	400V 3N~ 50Hz	2.6	/	3.4	4.72
	230V ~ 50Hz	/	3.66	/	/
Total current input (A)	400V 3N~ 50Hz	5.9	/	7.3	11.7
	230V ~ 50Hz	/	22,0	/	/
Starting current with soft start (A)	400V 3N~ 50Hz	30	/	46	73
	230V ~ 50Hz	/	45	/	/
Starting current (A)	400V 3N~ 50Hz	43	/	67	105
COP (kW/kW)		3.85	3.82	4.15	4.05
Water flow rate (l/h)		1720	2410	2425	3285
Pressure drops (kPa)		12,5	24,0	24,0	30,0
♪ Sound pressure - db(A)		34.7	35.5	35.5	41.0
♪ Sound power - db(A)		66.7	67.5	67.5	73.0
Air flow (m ³ /h)		3500	3500	3500	5000
Hydraulic connections	(IN)	1"¼	1"¼	1"¼	1"¼
	(OUT)	1"¼	1"¼	1"¼	1"¼
Supporting electric resistors (kW)		8.2	11.5	11.5	15.5

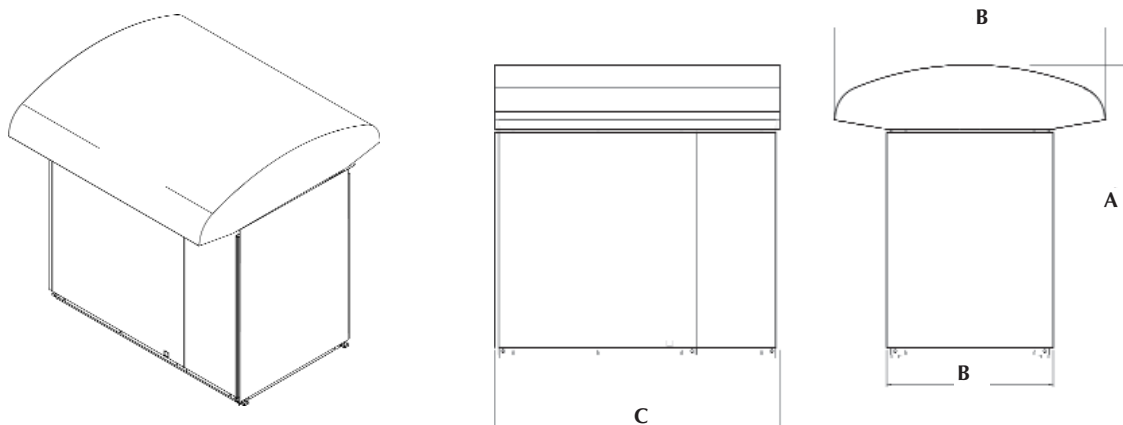
Performance values refer to the following conditions:

- Heating:
 - water outlet temperature 35 °C
 - outside air temperature 7 °C (D.B.), 6°C W.U.;
 - Δt = 5 °C.
- ♪ Sound pressure measured in a free field with a front distance of 10m and direction factor = 2 In compliance with the ISO 3744 standard
- ♪ Sound power: Aermec determines the value, based on the measurements taken, in compliance with the ISO 9614 - 2 standard

Data stated according to EN14511: 2004



Dimensions (mm)



			SRP10 T	SRP14 M/T	SRP19 T
Height	A	Outdoor Installation	1427	1427	1427
		Indoor installation	1115	1115	1115
Width	B	Outdoor installation	1322	1322	1322
		Indoor installation	812	812	812
Depth	C		1392	1392	1392
Weight	kg	Outdoor installation	284	297	315
		Indoor installation	242	255	273

The technical data in this document are not binding. Aermec S.p.A. shall have the right to introduce at any time whatever modifications deemed necessary for the improvement of the product.

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