

# Regulus

## RTC 20e Heat Pump

air-to-water, inverter model  
for buildings of heat loss  
up to 18 kW



SCOP  
4,84

A+++



**COOLING**  
IN SUMMER

**HEATING**  
IN WINTER

# REGULUS RTC 20e

## HEAT PUMP

### for heating & cooling

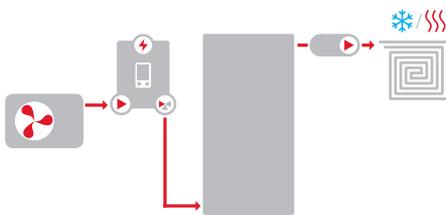


- High COP, low noise
- Three-phase power supply
- Suitable also for use with a PV system
- Up to 10 year warranty on compressor
- MAX. flow temperature 55°C
- Can be installed without a thermal store

		RTC 20e
HEATING OUTPUT		9.2-18.5 kW
COOLING OUTPUT		5.5-16.0 kW
SCOP		4.84
ENERGY EFFIC. CLASS		A+++
FOR BUILDINGS CODE	with a heat loss up to with a heat demand up to	18 kW 47 000 kWh 19439

#### CONNECTION VARIANTS

### A) RegulusBOX & PS thermal store



#### BOX PS set for RTC 20e

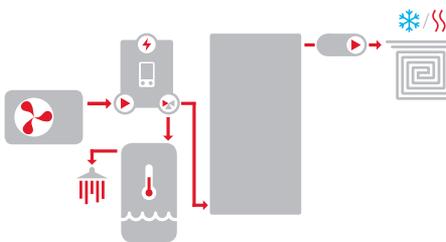
Code 20000

For heating only, no DHW.

PS 200 IZ - thermal store for heating/cooling, 204l volume, 560 mm diameter with insulation, 1480 mm high.

*More information on the indoor unit can be found on the rear page.*

### B) RegulusBOX, PS thermal store & HSK hot water storage tank



#### BOX PS set for RTC 20e

Code 20000

#### HSK 220 TV

Code 19617

#### Insulation for HSK 220 TV

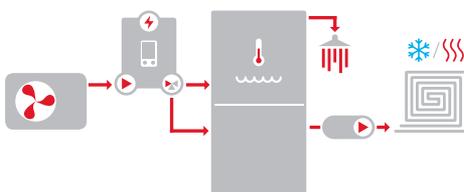
Code 19619

HSK 220 TV - hot water storage tank, only DHW heating in stainless-steel DHW heat exchanger, 222l volume, 710 mm diameter with insulation, 1105 mm high.

PS 200 IZ - thermal store for heating/cooling, 204l volume, 560 mm diameter with insulation, 1480 mm high.

*More information on the indoor unit can be found on the rear page.*

### C) RegulusBOX & HSK thermal store



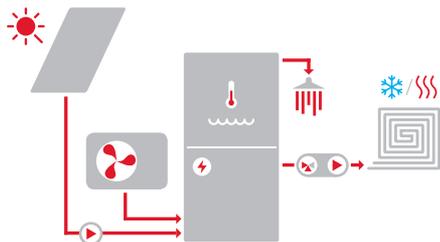
#### BOX HSK set for RTC 20e

Code 20001

HSK 350 K P-B - thermal store with DHW heating in a stainless-steel heat exchanger, 340l volume, 750 mm diameter with insulation, 1655 mm high.

*More information on the indoor unit can be found on the rear page.*

## D) Pump station with IR controller, HSK 390 thermal store & solar thermal system



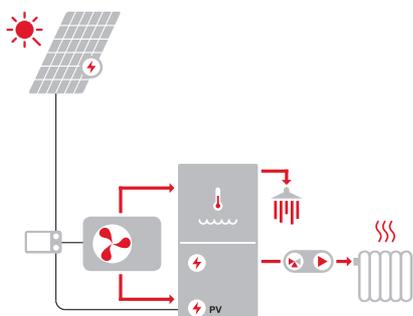
**SOL HSK 390 RTC**

Code

19737

HSK 390 PR - thermal store with DHW heating in a stainless-steel heat exchanger, with a solar heat exchanger, 394l volume, 750 mm diameter with insulation, 1905mm high.

## E) Pump station with IR 14 FV3F controller



**CSE IR 14 RTC FV3F**

Code

20002

Universal application, the controller needs to be fitted into a fuse box which is equipped according to documentation.

## F) Pump station with IR 14 controller



**CSE IR 14 RTC**

Code

18145

Universal application, the controller needs to be fitted into a fuse box which is equipped according to documentation.

Recommended connection with a thermal store (PS, DUO, HSK).

If you wish to receive an offer, do not hesitate to contact us by e-mail at: [sales@regulus.eu](mailto:sales@regulus.eu)

### ACCESSORIES

	Braided hose 1" F x 1" M-500 mm - 2 pcs are needed to connect a heat pump - for other hose lengths see the Catalogue	Code	15496
	Heating cable for RTC, 5m total length (1m non-heating end) - for condensate drain pipe, if it runs in such a manner that freezing is possible	Code	18491
	RS 10 room temperature sensor, design ABB Time, white, two-wire connection.	Code	16167
	RC 25 room unit with a temperature&humidity sensor, temperature setting knob, mode selection button, backlit, indicator, two-wire connection - CIB	Code	18540

For more accessories please consult the Catalogue.

# RegulusBOX RTC 3/3S

## Indoor hydraulic unit for RTC 20e heat pump

- A hot water storage tank can be connected, 3-way valve inside. (min. surface area of DHW heat exchanger is 2.5 sqm)
- 2-12 kW electric boiler, pressure transducer, circulation pump
- Smart controller permitting connection to the Internet, with a control display that can be moved to a living area where it can act as a room temperature & humidity sensor.
- With RTC heat pumps, cooling into floor, walls or ceiling is possible.
- Control of a second heating circuit is possible.



Included in supply:



## INSTALLATION EXAMPLE



**SIMPLE INSTALLATION  
AND COMMISSIONING**



**EASY  
WIRING**



**INSTALLATION TIME  
SUBSTANTIALLY  
REDUCED**



**MINIMUM SPACE  
REQUIREMENTS**

# Pump station and IR 14 Controller

The pump station contains a Wilo pump with speed control and flow rate information, Magnet Filterball, thermometer, insulation, 15 m long communication cable. The smart controller IR 14 permitting connection to the Internet controls heat pumps (also in series), two heating circuits, DHW heating and recirculation, solar thermal system, utilization of a PV system and other heat sources.

*If you wish to receive an offer, do not hesitate to contact us by e-mail at [sales@regulus.eu](mailto:sales@regulus.eu).*

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**regulus.eu**