

Regulus

**HEAT PUMPS
SPECIAL OFFER**




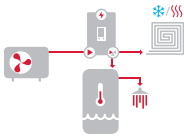
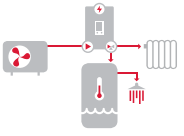
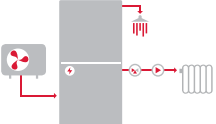
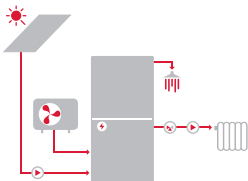
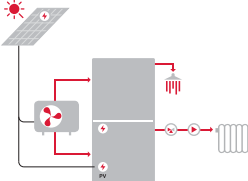
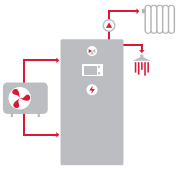
AUTUMN 2020



**Seasonal Sets
with heat pumps
for family homes**



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SYSTEMS FOR SPACE HEATING / COOLING NO HOT WATER STORAGE TANK

A set for heating and cooling by a heat pump without DHW heating. The set is intended primarily for replacing solid fuel boilers where DHW heating remains unchanged. However, a suitable hot water storage tank can be added to the system at any time in the future. The smart controller ensures the operation of the heat pump, controls the heating / cooling of the building according to the outside temperature and the user's requirements and is able to optimize the heating system and the operation of the heat pump with respect to other sources (stoves, fireplace inserts). Web access to the controller is an invaluable tool for more complex settings and troubleshooting.



Air-to-water inverter heat pump for space heating&cooling

THE SET INCLUDES:

- RTC inverter heat pump incl. connecting hoses
- RegulusBOX, room sensor
- 25l expansion vessel for heating, incl. equipped bracket



SET	CODE
RTC 6i BOX	18603
RTC 12i BOX	18604

SYSTEMS FOR SPACE HEATING, NO HOT WATER STORAGE TANK

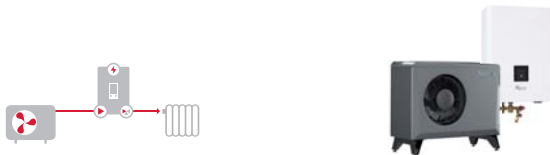
A set for heating by a heat pump without DHW heating. The set is intended primarily for replacing solid fuel boilers where DHW heating remains unchanged. However, a suitable hot water storage tank can be added to the system at any time in the future. The smart controller ensures the operation of the heat pump, controls the heating of the building according to the outside temperature and the user's requirements and is able to optimize the heating system and the operation of the heat pump with respect to other sources (stoves, fireplace inserts). Web access to the controller is an invaluable tool for more complex settings and troubleshooting.



Air-to-water inverter heat pump for space heating

THE SET INCLUDES:

- EcoAir 600M inverter heat pump incl. connecting hoses
- RegulusBOX, room sensor
- 25 l expansion vessel for heating, incl. equipped bracket



SET	CODE
EA 614M BOX	18502
EA 622M BOX	18600

Air-to-water on/off heat pump for space heating

THE SET INCLUDES:

- EcoAir heat pump including pump station
- PS 200 N+ thermal store, w. insulation
- IR 12 smart controller including room sensor
- Electric heating elements
- Expansion vessel for heating, including service valve
- Insulated pump station with mixing valve for heating system



SET	CODE
EA 406 PS	17911
EA 408 PS	15401
EA 410 PS	15402
EA 415 PS	16405

SYSTEMS FOR SPACE HEATING&COOLING AND DHW HEATING



The heat pump is connected directly to a heating system (no thermal store) and to the domestic hot water storage tank.

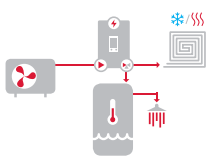
After the heat pump and the hot water storage tank are connected, the heat pump ensures the complete heating needs of the building – space heating&cooling and DHW heating. This is a very compact solution with minimum space requirements and, above all, highly comfortable hot water heating. A sufficient supply of hot water contributes to the fact that the tank doesn't need to be heated to high temperatures. Normally, hot water will be produced by a heat pump only, moreover with a high C.O.P., i.e. more efficiently.

Space heating&cooling and hot water heating are controlled by a smart controller that responds to both outdoor temperature and user requirements. As standard, the controller is equipped with a web server that allows easy setup from anywhere.

Single-phase inverter air-to-water heat pump for space and DHW heating

THE SET INCLUDES:

- RTC inverter heat pump incl. connecting hoses
- RegulusBOX, room sensor
- NBC 170 HP hot water storage tank, safety kit
- 25l expansion vessel for heating, incl. equipped bracket
- 8l expansion vessel for drinking water, incl. bracket

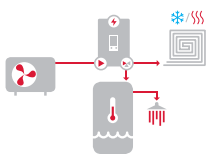


SET	CODE
RTC 6i BOX 170	18605
RTC 12i BOX 170	18606

Single-phase inverter air-to-water heat pump for space heating&cooling and DHW heating

THE SET INCLUDES:

- RTC 6i inverter heat pump incl. pump station
- IR 14 smart controller in fuse box, including room sensor
- RDC 300 hot water storage tank
- 3-way valve w. fittings to connect a hot water storage tank
- Ready to connect THERM EL5/9 electric boiler
- 25l expansion vessel for heating, incl. equipped bracket



SET	CODE
RTC 6i 300 EL RZV	18219

i The set features the controller installed in the fuse box. Besides the controller, the fuse box contains also a main switch, a heat pump circuit breaker, or a circuit breaker and contactor for an el. heating element. Everything is electrically connected and terminated in terminal blocks.

SYSTEMS FOR SPACE AND DHW HEATING



The heat pump is connected directly to a heating system (no thermal store) and to the domestic hot water storage tank.

After the heat pump and the hot water storage tank are connected, the heat pump ensures the complete heating needs of the building – space and DHW heating. This is a very compact solution with minimum space requirements and, above all, highly comfortable hot water heating.

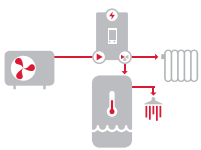
A sufficient supply of hot water contributes to the fact that the tank doesn't need to be heated to high temperatures. Normally, hot water will be produced by a heat pump only, moreover with a high C.O.P., i.e. more efficiently.

Space and hot water heating are controlled by a smart controller that responds to both outdoor temperature and user requirements. As standard, the controller is equipped with a web server that allows easy setup from anywhere.

Three-phase inverter air-to-water heat pump for space and DHW heating

THE SET INCLUDES:

- EcoAir 600M inverter heat pump incl. connecting hoses
- RegulusBOX, room sensor
- NBC 170 HP hot water storage tank, safety kit
- 25l expansion vessel for heating, incl. equipped bracket
- 8l expansion vessel for drinking water, incl. bracket

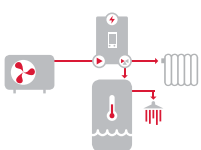


SET	CODE
EA 614M BOX 170	18601
EA 622M BOX 170	18602

Three-phase inverter air-to-water heat pump for space and DHW heating

THE SET INCLUDES:

- EcoAir 614M inverter heat pump incl. pump station
- IR 12 smart controller in fuse box, including room sensor
- RDC 250 hot water storage tank
- 3-way valve w. fittings to connect a hot water storage tank
- Ready to connect THERM EL5/9 electric boiler
- 25l expansion vessel for heating, incl. equipped bracket



SET	CODE
EA 614M 250 EL RZV	18148

i The set features the controller installed in the fuse box. Besides the controller, the fuse box contains also a main switch, a heat pump circuit breaker, or a circuit breaker and contactor for an el. heating element. Everything is electrically connected and terminated in terminal blocks.

SYSTEMS FOR SPACE AND DHW HEATING

The heat pump is connected to a combination thermal store that ensures both space heating and DHW heating for domestic use.

The thermal store is divided into two thermally independent spaces by a separating metal sheet. The lower section can be heated only to the temperature needed for space heating. The upper section is constantly maintained at the desired hot water temperature. This solution is very efficient for systems with heat pumps as the temperature in the lower section may be even by tens of degrees Celsius lower than in the upper section.

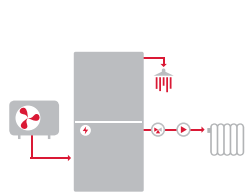
Space and hot water heating in the integrated hot water storage tank / heat exchanger are controlled by a smart controller that responds to both outdoor temperature and user requirements. As standard, the controller is equipped with a web server that allows easy setup from anywhere.



Air-to-water heat pump for space and DHW heating

THE SET INCLUDES:

- EcoAir heat pump incl. pump station
- DUO 390/130 P thermal store with immersed DHW tank
- IR 12 smart controller including room sensor
- Electric heating elements
- Expansion vessel for heating, including service valve
- Insulated pump station with mixing valve for heating system

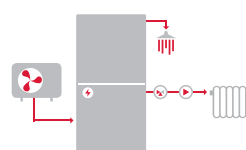


SET	CODE
EA 406 DUO*	17831
EA 408 DUO	14285
EA 410 DUO	15400
EA 415 DUO	16407

Air-to-water heat pump for space and DHW heating

THE SET INCLUDES:

- EcoAir heat pump incl. pump station
- HSK 390 P thermal store with integrated DHW stainless-steel heat exchanger
- IR 12 smart controller including room sensor
- Electric heating elements
- Expansion vessel for heating, including service valve
- Insulated pump station with mixing valve for heating system



SET	CODE
EA 406 HSK*	17832
EA 408 HSK	16576
EA 410 HSK	16577
EA 415 HSK	16578

Sets with EcoAir heat pump contain also 3-way zone valves for controlled DHW heating.

SYSTEMS FOR SPACE AND DHW HEATING with SOLAR THERMAL SYSTEM

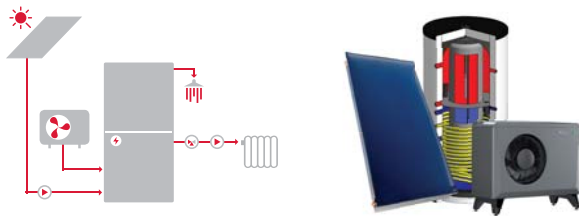
Both the heat pump and the solar thermal system are connected to a combination thermal store which is moreover equipped with a solar heat exchanger.



Air-to-water heat pump & solar thermal system for space and DHW heating

THE SET INCLUDES:

- EcoAir heat pump including pump station
- Two KPG1 solar collectors, 4.78 sqm, 3.77 kW output
- DUO 390/130 PR thermal store with immersed DHW tank & solar heat exchanger
- Electric heating elements
- CSE SOL W P solar pump station
- IR 14 smart controller including room sensor
- 18l solar expansion vessel, 60l expansion vessel for heating, incl. service valves
- Solarten 25l (antifreeze solar fluid)
- Anti-scald valve
- Insulated pump station with mixing valve for heating system

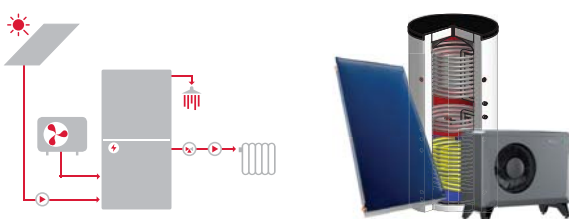


SET	CODE
EA 408 SOL DUO	16579
EA 410 SOL DUO	16581
EA 415 SOL DUO	16582

Air-to-water heat pump & solar thermal system for space and DHW heating

THE SET INCLUDES:

- EcoAir heat pump including pump station
- Two KPG1 solar collectors, 4.78 sqm, 3.77 kW output
- HSK 390 PR thermal store with integrated stainless-steel DHW heat exchanger and a solar one
- Electric heating elements
- CSE SOL W P solar pump station
- IR 14 smart controller including room sensor
- 18l solar expansion vessel, 60l expansion vessel for heating, incl. service valves
- Solarten 25l (antifreeze solar fluid)
- Anti-scald valve
- Insulated pump station with mixing valve for heating system



SET	CODE
EA 408 SOL HSK	16583
EA 410 SOL HSK	16584
EA 415 SOL HSK	16585

i It is necessary to order sloping roof anchors or flat roof supports.
We also recommend air vent valves and pre-insulated stainless steel pipes.

SYSTEMS FOR SPACE AND DHW HEATING working with PV SYSTEM

The brain of the whole system is the smart controller IR FV that controls the consumption of surplus electricity from your photovoltaic system (PV) through an electric heating element and a heat pump. If electrical appliances in the house consume all the energy produced by the PV, everything works as in a normal house without an IR FV controller.

The uniqueness of the solution becomes apparent when your household does not consume all the energy produced by the PV system and there is a surplus of electricity which you would otherwise deliver virtually for free to the power grid of your electricity supplier. The system effectively converts excess electrical energy into heat and stores it in a thermal store. From there, heat is used for water or space heating only when necessary.

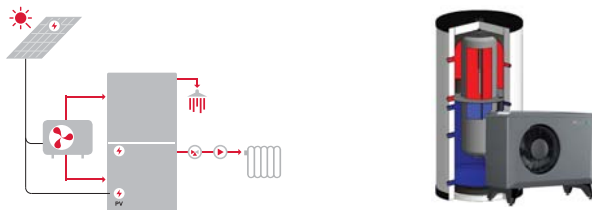
Other heat sources can also be connected to the thermal store and combined with an advantage. In addition to the specially placed heating element for the PV system it is possible to install additional electric heating elements in the thermal store for hot water and space heating.



Single-phase inverter air-to-water heat pump for space and DHW heating

THE SET INCLUDES:

- RTC 6i single-phase inverter heat pump incl. pump station
- DUO 1000 P thermal store with immersed DHW tank
- IR 14 FV smart controller that also controls consumption of surplus electricity from PV panels through el. heating element and heat pump
- Electric heating elements
- 3-way zone valves for controlled DHW heating
- 100l expansion vessel for heating, including service valve
- Insulated pump station with mixing valve for heating system

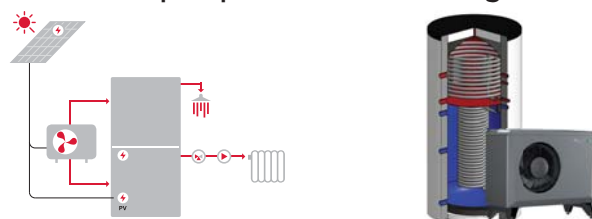


SET	CODE
RTC 6i DUO FVE	18613

Three-phase inverter air-to-water heat pump for space and DHW heating

THE SET INCLUDES:

- EcoAir 614M three-phase inverter heat pump incl. pump station
- HSK 1000 PV thermal store with 2 integrated stainless-steel DHW heat exchangers
- IR 12 FV smart controller that also controls consumption of surplus electricity from PV panels through el. heating element and heat pump
- Electric heating elements
- 3-way zone valves for controlled DHW heating
- 150l expansion vessel for heating, including service valve
- Insulated pump station with mixing valve for heating system



SET	CODE
EA 614M HSK PVE	17326

i Note: The set is suitable for PV systems up to 5.1 kWp, for PV systems of higher outputs it is necessary to increase the volume of the thermal store according to the NZU requirement (180 l/kWp).

SYSTEMS FOR SPACE AND DHW HEATING in multi-energy thermal stores

The multi-energy thermal store is a thermal store with integrated hot water heating in a heat exchanger (coil or plate one), which further contains an electric heating element used as an auxiliary source to the heat pump and a smart controller with a colour touch screen.



Air-to-water heat pump with multi-energy thermal store

THE SET INCLUDES:

- EcoAir heat pump
- EcoZenith i250 multi-energy thermal store for both space and DHW heating, integrated controller, el. heating element
- 40l expansion vessel for heating, incl. equipped bracket
- Insulated pump station for heating system



SET	CODE
EZ 406 SET	15839
EZ 408 SET	15840
EZ 410 SET	15841

A solar thermal system set can also be ordered with EcoZenith i250 multi-energy thermal store.



SET	CODE
SOL EZ/EH	16575

The set contains two KPG1 solar collectors, CSE SOL W SRS T-E solar pump station with controller, plate heat exchanger and other necessary solar thermal system components.

Air-to-water inverter heat pump with multi-energy thermal store










THE SET INCLUDES:

- EcoAir air-to-water inverter heat pump
- EcoZenith i350 multi-energy thermal store for both space and DHW heating, integrated controller, el. heating element, expansion vessel



SET	CODE
EZ 614 SET	17327
EZ 622 SET	17328

ACCESSORIES

		CODE
	Room unit w. display	16888
	Heating cable for EcoAir	3.5 m 16168
		5 m 18104
	Wall support for EcoAir	17458
	Internet module for EcoZenith	17257
	Expansion vessel for drinking water	13755
	- 8 l for DUO & HSK tanks	13756
	- 12 l for RDC hot water storage tanks	7766
	Bracket with 3/4" connection valve	13793
	Electronic anode rod for DUO	9174
	Electronic anode rod for RDC	15167
	Backup 2kW electric heater for el. socket	15181
	Pump station for DHW recirculation	11285
	Three-way zone valve for sets with DUO and HSK tanks	12699
	Zone valve connection fitting <i>(2 valves are required for controlled hot water heating)</i>	