

Heat pumps in an air-water system

Maxi Air

Specification		Maxi Air 5	Maxi Air 7	Maxi Air 9	Maxi Air 11
Catalogue number	-	02-REG-MAXIAIR5	02-REG-MAXIAIR7	02-REG-MAXIAIR9	02-REG-MAXIAIR11
Heat power ¹⁾	kW	5,80	7,10	9,80	11,50
Power consumption of the compressor ¹⁾	kW	1,40	1,70	2,30	2,50
Coefficient of Performance ¹⁾	-	4,25	4,29	4,59	4,55
Temperature limits	°C	od -20 do +35			
Max. temperature of DHW	°C	50	50	50	50
Built-in electric heaters power	kW	2 x 4	2 x 4	2 x 4	2 x 4
Compressor type	-	Copeland ZH	Copeland ZH	Copeland ZH	Copeland ZH
Evaporator type	-	plate fin	plate fin	plate fin	plate fin
Expansion valve	-	electronically controlled	electronically controlled	electronically controlled	electronically controlled
Cooling factor	-	R407 C	R407 C	R407 C	R407 C
Automation	-	Siemens RVS 41	Siemens RVS 41	Siemens RVS 41	Siemens RVS 41
Dimensions (length x depth x width)	mm	1640 x 800 x 520			
Weight	kg	110	176	178	180

Maxi Air

- ✓ For heating a house
- ✓ A compact unit ready for installation on the outside of the building.
- ✓ Heat power from 5.8 kW to 11.5 kW.
- ✓ COP value from 4.25 to 4.55.
- ✓ Maximum temperature of DHW 55 °C.
- ✓ Modern Siemens controller with a room regulating unit and a possibility to be connected to the Internet (optional) – fixed IP required.
- ✓ Higher efficiency thanks to an electronically controlled injection of the cooling liquid to the evaporator.
- ✓ Possibility to be connected to any exchanger of a working installation.
- ✓ Integrated circulating pump.
- ✓ Very quiet operation thanks to the use of the new generation fans.
- ✓ Very efficient automatic evaporator defrost system.
- ✓ Works well also in the temperature below -15°C.

24*
months
warranty
for heat
pumps



Savings up to **75%** of costs
in relation to other energy sources

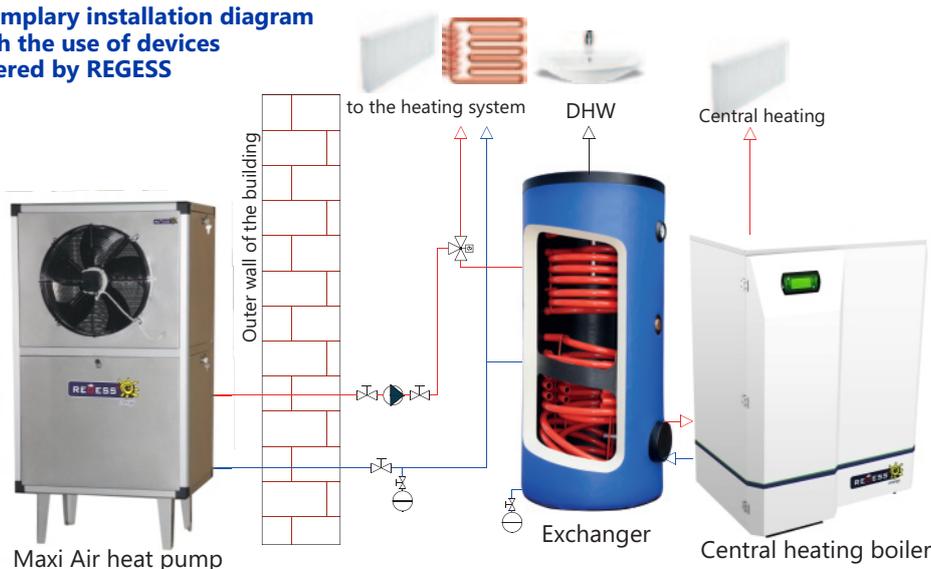
> **Energy**
almost
for free

you get up to 5 kW for the price of 1 kW²⁾

Standard equipment of Maxi Air heat pumps:

- ✓ integrated outdoor unit,
- ✓ SIEMENS controller,
- ✓ built-in electric heaters (power depending on the model),
- ✓ electronically controlled expansion valve (increases the efficiency and improves regulation and pump operation parameters).

Exemplary installation diagram with the use of devices offered by REGESS



MAXI AIR heat pumps is a product designed to be installed on the outside of the building. They are characterized by a very high COP which is the basis of ecological space and domestic hot water heating. The operation of the device is regulated by a compact Siemens controller and the heart of the device is a high quality Copeland ZH compressor guaranteeing many years of fault-free operation. We have obtained higher efficiency of the device thanks to the use of electronic control of liquid injection into the evaporator. Very quiet operation of the device resulting from the use of high-tech fans is one of the advantages of Maxi Air. In extreme situations, when the temperature drops below -15°C, the device is supported by electric heaters which work as an additional source.

* 2 years warranty to maintain technical parameters is granted provided that installation is made in accordance with the instruction manual by an authorized, trained installation personnel and a paid inspection is carried out after each subsequent year of operation.

¹⁾ depending on the pump model and weather conditions

²⁾ when heating the tank from the temperature +10°C to 45°C

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