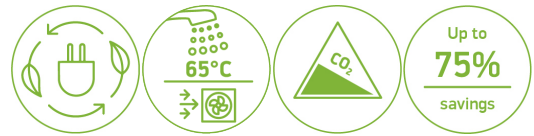




AQUATHERMICA ECO WITH A HEAT EXCHANGER

AQUATHERMICA ECO 200 S



TIN Code	305765
Range	194
Height	1720 mm
Energy class	A+
Maximum operational temperature	75 °C
Maximum working pressure	8 bar
Diameter	630 mm
Heating time	6:33 h:min



Declared load profile	L
Electric heating element power	1.5 kW
Min. ÷ max temperature heat pump air intake (90% R.H.)	-10 ÷ 43 °C
Frequency	50 Hz
Annual electricity consumption in kWh under average climate conditions	702 kWh
Power supply	1/N/220-240 V
Compressor	Rotary
Min. ÷ max temperature installation site	-4 ÷ 40 °C
Compressor protection	Thermal circuit breaker with automatic reset
Maximum current in HP	3.1 + 6.5 (e-heater) = 9.6 A
Required overload protections	16A T fuse/ 16 A automatic switch characteristic C (to be expected during installation on power supply systems)
Fan	Centrifugal
HP Maximum settable temperature	65 °C
Internal protection	Single safety thermostat with manual reset on a resistive element
Nominal air capacity	360 m ³ /h
Motor protection	Internal thermal circuit breaker with automatic reset
Condenser	Wrapped externally not in contact with water
Transport weight	121 kg
Automatic anti-Legionella disinfection cycle	YES
Minimum height of the premise	1785 mm
Defrosting	Active with 4-way valve



CoP (DHW)	3.5
Degree of Protection	IPX4
Refrigerant	R513a
Refrigerant charge	1100
CO2 equivalent (CO2e)	0.693
Average heat pump consumption [Condition EN16147:2017 A7/W55]	0.403 kW



Floor-standing "air-water" heat pump for domestic hot water production.

The AquaThermica Eco range includes models with a volume of 200 and 260 liters with and without a heat exchanger

Greater energy efficiency and performance are guaranteed by environmentally friendly refrigerant R513a.

Electric heater for faster heating and reaching a high temperature of 75°C.

Automatic "Antilegionella" function and self-diagnosis system

Floor standing models

Energy class A+

Reduced CO2 emissions

Electronically regulated expansion valve with stepper motor

Water tank capacity from 200 to 260 L

Temperature range of the incoming air from -10°C to +43°C

Up to 75% reduced electricity consumption

Connection to solar and photovoltaic panels

Easy-to-use electronic panel

Up to 65°C DHW temperature with operation of only the heat pump unit

Connection to solar and photovoltaic panels

EEV Electronically regulated expansion valve with step motor

Easy-to-use electronic panel

Serie information

AquaThermica Eco 200 S

An environmentally friendly product, operating with renewable energy sources resulting in lower CO2 emissions*.

- The highest energy efficiency class A+ in its category.
- Operates within a wide temperature range of the incoming air starting from -10° C to 43 °C.
- Heats up water to 65° C with the heat pump only.
- Electric heating element for faster heating up and reaching of higher temperature of 75 °C
- Highly efficient** with a precisely balanced refrigerant cycle, due to an electronically commutated motor



and an electronic expansion valve.

- Ecological refrigerant R513a
- Up to 75% lower electricity consumption***.
- Can be connected to other renewable energy sources like PV panels, solar systems or boilers.
- Programmable with a user-friendly control panel
- Automatic anti-legionella cycle
- Self-diagnostic system

* According to the European Market and Statistical Report on the European Heat Pump Association 2020.

** AquaThermica is in Energy efficiency class A+

*** Compared to a 200l TESI electric water heater with a load profile L.