TESY
It's impressive



AQUATHERMICA PRO WITH A HEAT EXCHANGER

AQUATHERMICA PRO 200 S





TIN Code	306268
Capacity	194 L
Range	194
Height	1.622 m
Energy class	A+
Maximum operational temperature	75 °C
Maximum working pressure	8 bar
Diameter	630 mm

Heating time	7:11 h:min
Declared load profile	L
Electric heating element power	1.5 kW
Min. ÷ max temperature heat pump air intake (90% R.H.)	-7 ÷ 43 °C
Frequency	50 Hz
Annual electricity consumption in kWh under average climate conditions	679 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	2.5 + 6.5 (e-heater) = 9 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 m³/h
Motor protection	Internal thermal circuit breaker with automatic reset
Condenser	Wrapped externally not in contact with water
Transport weight	110.8 kg
Automatic anti-Legionnella disinfection cycle	YES
Minimum height of the premise	1785 mm

Defrosting	Active with 4-way valve
CoP (DHW)	3.6
Degree of Protection	IPX4
Refrigerant	R290
Refrigerant charge	150

Inspired by nature. Powered by technology

TESY AquaThermica Pro is a floor standing air-to-water heat pump for domestic hot water engineered for high energy efficiency, smart performance, and eco-conscious operation. Designed for domestic hot water production, it is available in 200L and 260L capacities

Using the natural R290 (propane) refrigerant, AquaThermica Pro achieves ultra-low Global Warming Potential (GWP) and zero Ozone Depletion Potential (ODP). It can heat water up to 65°C using only the heat pump, offering up to 75% energy savings versus conventional electric water heaters. Its high Coefficient of Performance (COP)—up to 3.8—makes it one of the most efficient systems in its class.

- Floor-standing "air-water" heat pump for domestic hot water production.
- The AquaThermica Pro 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 **R290** / propane/
- Electric heating element 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
- Temperature range of the incoming air from -7°C to +43°C
- **Up to 75%** reduced electricity consumption
- **Lateral 45° air ducts** for installation in rooms as low as 2 meters
- **Quiet operation**: just 34 dB(A) at 1 meter
- **DRY CHECK** Check the magnesuim anode without draining the water.
- **Electronic Expansion Valve (EEV)** for precision refrigerant control
- **Microchannel condenser** and dual temperature sensors for performance and efficiency
- 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
- Easy-to-use electronic panel

Serie information

AquaThermica Pro 200 S

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Key Features:

- Heat exchanger for system compatibility
- Lateral 45° air ducts for installation in rooms as low as 2 meters
- Quiet operation: just 34 dB(A) at 1 meter
- Electronic Expansion Valve (EEV) for precision refrigerant control
- Microchannel condenser and dual temperature sensors for performance and efficiency
- The highest energy efficiency class A+ in its category
- Operates within a wide temperature range of the incoming air starting from -7° 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
- Can be connected to other renewable energy sources like PV panels, solar systems or boilers.
- Programmable with a user-friendly control panel
- Smart operation modes: Boost, Eco, Intelligent, Vacation, High-Demand
- Anti-legionella function, Dry Check MG anode, and modular service design

Compact, quiet, and eco-friendly, AquaThermica Pro is the ideal solution for modern homes looking to combine comfort, sustainability, and long-term savings.