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 |

## Information

AquaThermica Pro 200 S

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 -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 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 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
- 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

**Inspired by nature. Powered by technology**

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 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.

**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.***