ERA pro

Efficient. Reliable. Affordable.



**10 years** compressor warranty / **5 years** warranty on the whole heat pump

The **ERA**pro heat pump meets the strictest requirements for safe operation and environmentally friendly.

**erahp.eu**

# Heat Pumps
## air-to-water **ERA**pro

**Premium air-to-water heat pump (monoblock) with R290 refrigerant for heating, cooling and water heating for new buildings and renovations.**

**The heat pump adapts its performance to the actual needs of the house and thus achieves high operating efficiency.**

- **High energy efficiency**
- **Quiet operation**
- **Wi-Fi**
- **Innovative design**
- **Technical support available**

# Main parameters and features

**Heat Pump**
air-to-water **ERA**pro

seasonal heating factor (SCOP)
**up to 5.18**

**up to 5x**
**cheaper to operate**
than with electric heating

**up to 5x**
**lower energy consumption**
than with a gas boiler

High energy efficiency (ERP)
**A+++**
at 35°C

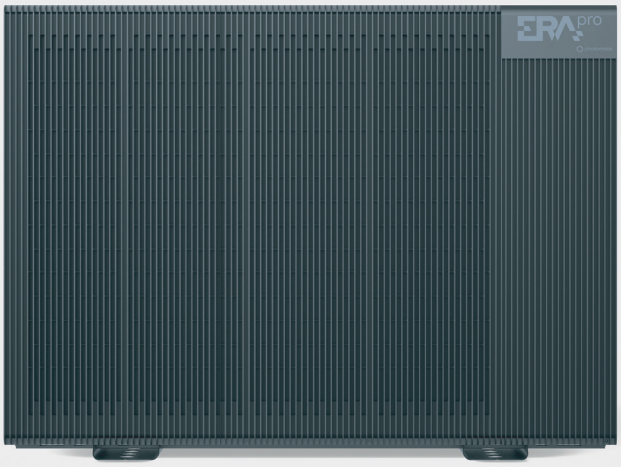
Intelligent algorithm for efficient heat pump control.
Advanced defrost technology.

Extremely quiet

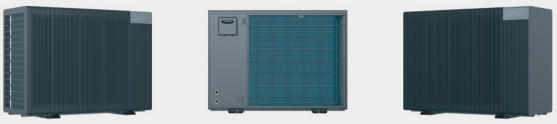
Sound pressure
**36 db** (A)
at a distance of 1m

**26 db** (A)
at a distance of 3m

(According to EN12102, ERApro 6kW unit)



Refrigerant
**R290**
Natural gas with no impact on climate change
GWP = 3.
The R290 refrigerant leak detector monitors the refrigerant circuit for leaks.
Alarm when gas is detected.



App for convenient control from
**mobile or tablet**
Easy control and monitoring of operating parameters from anywhere





Indoor units with
**touchscreen display**
Convenient, intuitive control and adjustment of all parameters.
Control of up to two heating systems without the need for accessories.
Display size 7".
Information on consumption and energy produced.
Wi-fi connection.

# Indoor units designed for installation with a heat pump ERA[pro]

Variable combinations for easier installation to meet customer needs and requirements.



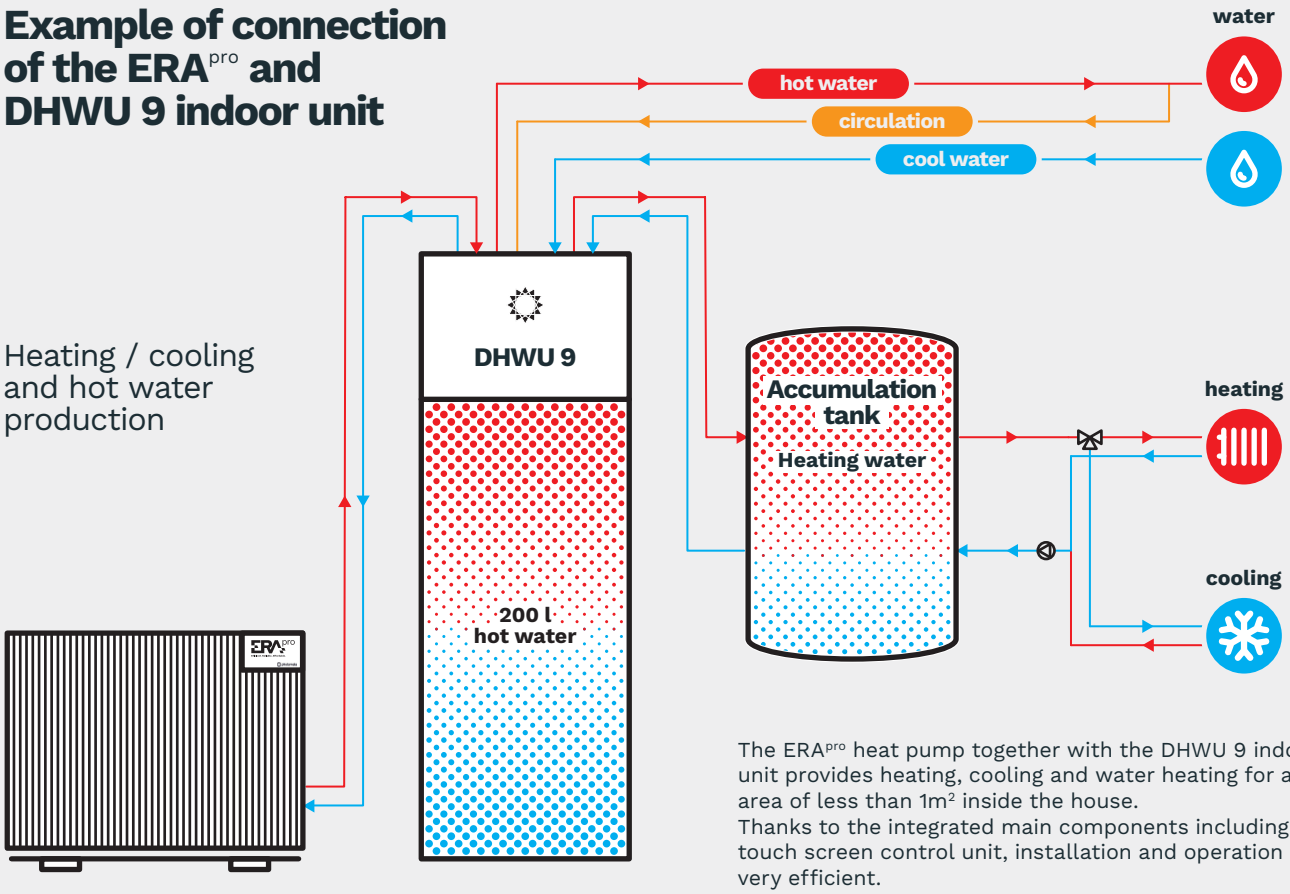




| Model → | CU 1 | HU 9 | DHWU 9 |
|---|---|---|---|
| Water heating control | YES | YES | YES |
| Heating | 2 circuits | 2 circuits | 2 circuits |
| Cooling | 1 circuit | 1 circuit | 1 circuit |
| Auxiliary source control | YES | YES | YES |
| Integrated auxiliary power supply | NO | YES / 9kW | YES / 9kW |
| Power supply | 1× 230 V | 3× 400 V | 3× 400 V |
| Circuit breaker | 1 x 10 A/B | 3 x 16 A/B | 3 x 16 A/B |
| Connection dimensions | - | 1 ¼“ | 1 ¼“ |
| Dimensions (W × H × D) | 390mm × 420mm × 100mm | 418mm × 750mm × 310mm | 640mm × 1950mm × 750mm |
| Weight | 7,5kg | 35kg | 125kg |
| Hot water tank | - | - | 200l - steel |

# Example of connection of the ERA$^{pro}$ and DHWU 9 indoor unit

Heating / cooling and hot water production




The ERA$^{pro}$ heat pump together with the DHWU 9 indoor unit provides heating, cooling and water heating for a floor area of less than 1m$^2$ inside the house.
Thanks to the integrated main components including the touch screen control unit, installation and operation is very efficient.

| | ERA$^{pro}$ 6 kW | ERA$^{pro}$ 9 kW | ERA$^{pro}$ 13 kW | ERA$^{pro}$ 16 kW |
|---|---|---|---|---|
| Energy efficiency at 35°C / 55°C | A+++ / A++ | A+++ / A++ | A+++ / A++ | A+++ / A++ |
| SCOP EN 14825, average climate, 35°C / 55°C | 5,13 / 3,70 | 5,11 / 3,77 | 5,18 / 3,82 | 5,10 / 3,80 |
| Seasonal heating ηs efficiency 35°C / 55°C, average climate | 202,3 / 145,2 | 201,4 / 147,9 | 204,4 / 149,8 | 201,1 / 149,2 |
| Power A7/W35 (kW) | 6 | 9 | 13 | 16 |
| Prated EN 14825, 35°C (kW) | 4,8 | 7,1 | 10 | 12,9 |
| Maximum output temperature (°C) | 75 | 75 | 75 | 75 |
| Heating operating conditions (°C) | -25 ~ +43 | -25 ~ +43 | -25 ~ +43 | -25 ~ +43 |
| Cooling operating conditions (°C) | +10 ~ +43 | +10 ~ +43 | +10 ~ +43 | +10 ~ +43 |
| Sound power dB(A)* | 47 | 53 | 54 | 54 |
| Sound pressure 1m dB(A)* | 36 | 42 | 43 | 43 |
| Sound pressure 3m dB(A)* | 26 | 32 | 33 | 33 |
| Power supply (V) | 230 | 230 | 400 | 400 |
| Circuit breaker (A) | 1x 16 A/C | 1x 20 (16)** A/C | 3x 10 A/C | 3x 10 A/C |
| Refrigerant | R290 | R290 | R290 | R290 |
| Refrigerant amount (kg) | 0,75 | 0,90 | 1,05 | 1,28 |
| Dimensions (mm) width / height/ depth | 1102×1021×557 | 1102×1021×557 | 1377×1021×557 | 1377×1021×557 |
| Weight without packaging (kg) | 130 | 135 | 190 | 195 |
| Wifi connection | YES | YES | YES | YES |

* according to EN 12102, location Q=1  ** when changing settings