



Ecopower Series

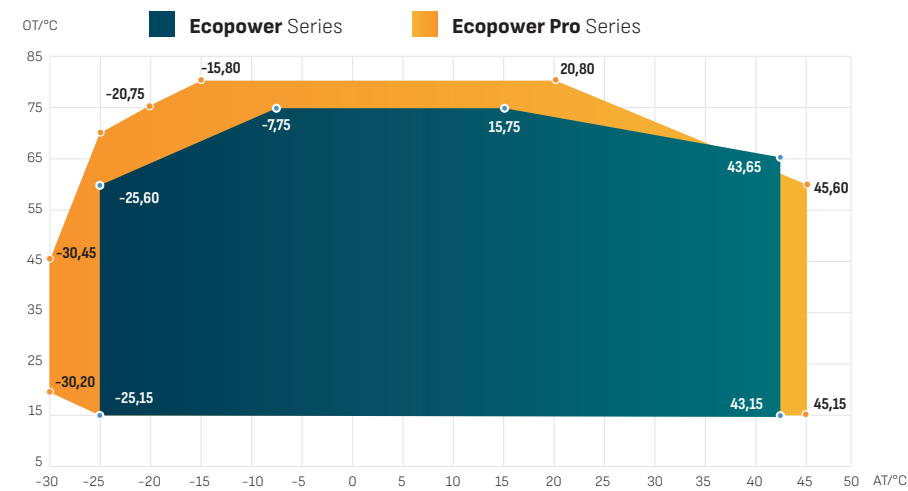
- A+++ at 35°C, A++ at 55°C
- Max water outlet temperature 75°C
- Sound pressure(1m): 42 dB(A)~47 dB(A)
- Plastic casing design
- Plug-in main-board



Ecopower Pro Series

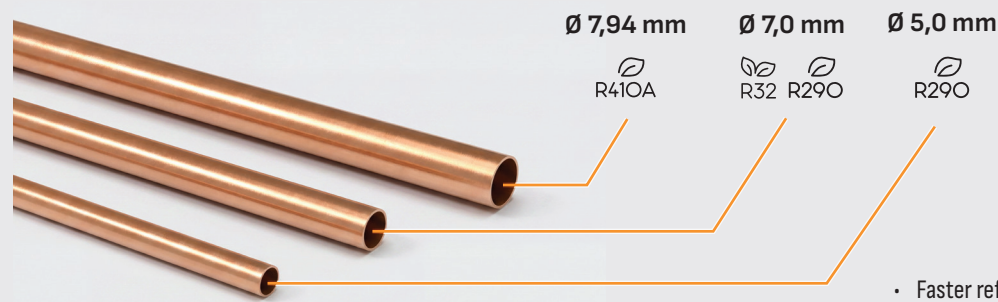
- A+++ at both 35°C & 55°C Max water outlet temperature 80°C
- Sound pressure(1m): 39 dB(A)~42 dB(A)
- Aluminium-alloy casing design
- Better cooling capacity
- Plug-in main-board
- Integrated component design
- Built-in electricity meter, water flowmeter, gas separator & safety valve.
- Self-developed AI technology & User APP & Service APP

1. Wider Operation, Higher Efficiency



- New back-electromotive-force(EMF) fan motor to meet performance requirements.
- Deliver up to 30% higher COP than standard heat pumps at ambient temperature -15°C.

2. 20% Higher Heat Exchange Efficiency



- Faster refrigerant flow
- Higher heat transfer coefficient
- Better energy efficiency

3. Low-Noise Design: Suspended Chassis



The suspended chassis places the refrigeration cycle system on elastic supports, effectively reducing noise and vibration for Cooper&Hunter EcoPower Pro series, while the 1st generation only the compressor on the suspended chassis.

4. Low-Noise Design: One Key Silent Mode

The minimum noise level of 6kW can reach as low as 31.3dB(A) @Night mode, meeting the requirements of German TALarm standard, one key Silent Mode and Night Mode.



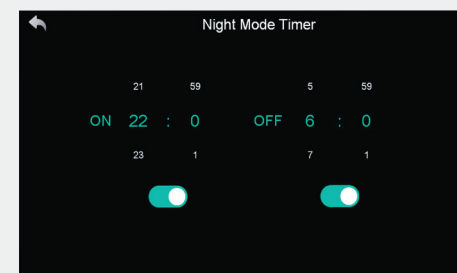
20dB(A)
Rustle of Leaves

30dB(A)
Soft Whisper

31.3dB(A)
Ecopower Pro

40dB(A)
Refrigerator

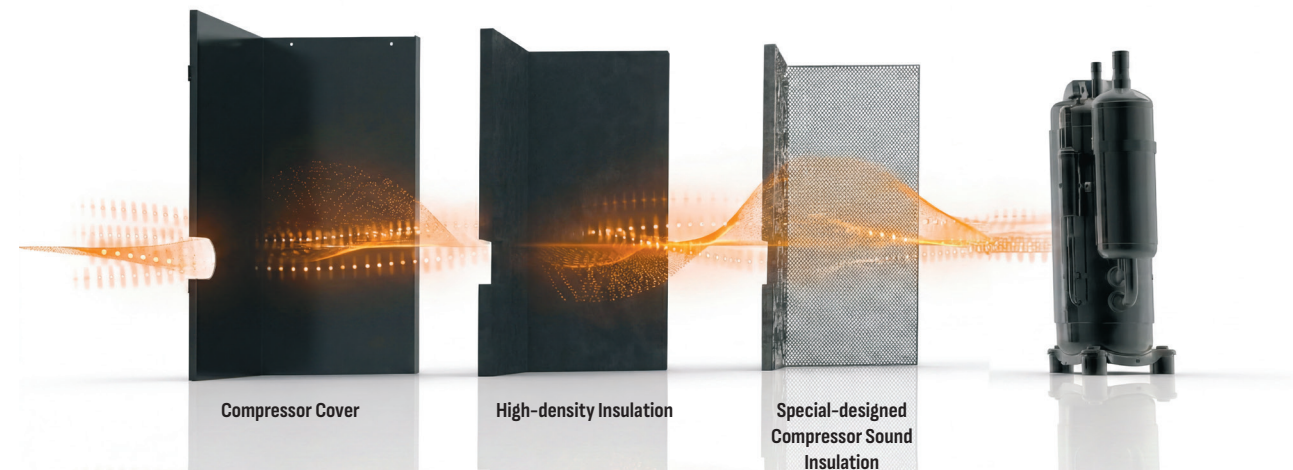
70dB(A)
Car



5. Low-Noise Design: Composite Noise Reduction

Three-Layer Noise Reduction of Compressor:

- Sound insulation cover (outer) + high-density sound-absorbing insulation(middle) + special sound insulation (inner).
- The design not only reduces the compressor whistle noises when it's at high frequency, but also controlled down the vibrations, overall to achieve a more gentle & soft sound.



6. Easy Maintenance

Only side panel is required to open to connect terminals and replace main board.

Built-in gas separator & pressure relief valve which is not needed again in outside water circuit.

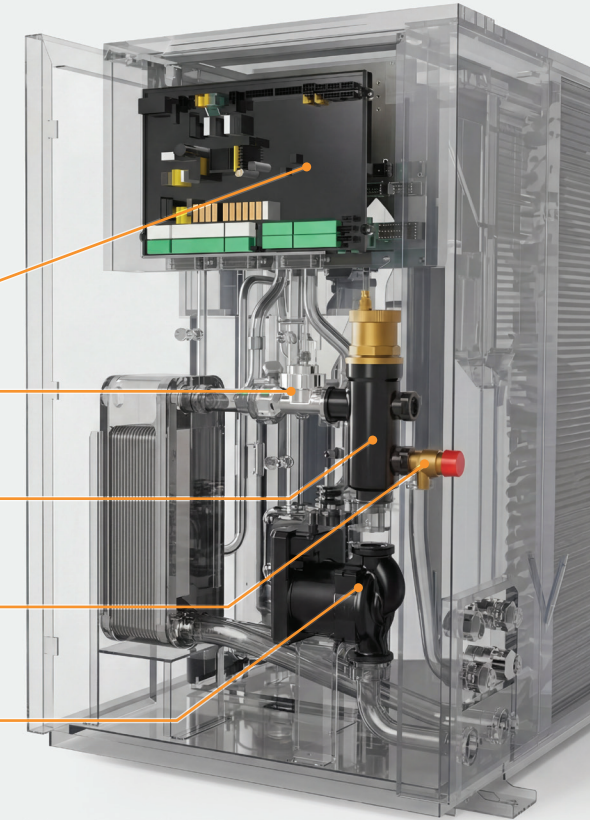
Main Board

Flow Meter

Gas Separator

Relief Valve

Water Pump



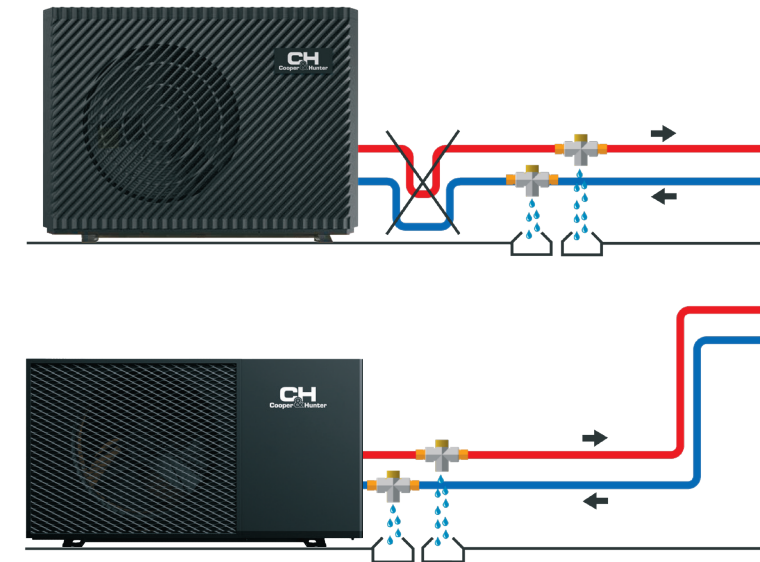
7. Full Drainage Design

• Water System Drainage

Compared to 1st generation, the new generation can do full drainage design & avoid system damaged.

• Condensate Drainage Methods

Both direct drainage & centralized drainage are available.



8. Anti-freezing Protections

- Level-1 anti-freezing
- Level-2 anti-freezing
- Low water outlet temp. protection
- Excessive temp. difference protection



Anti-freezing
Protection



Low Water
Protection



Temp. Difference
Protection