

The ACOND logo is positioned in the top right corner of the image. It features the word "ACOND" in a bold, blue, sans-serif font. A small red triangle is placed above the letter "A".

**ACOND®**

A photograph of an ACOND heat pump unit is centered in the upper half of the page. The unit is a rectangular, light grey box with a large front grille of horizontal slats. The "ACOND" logo is visible on the right side of the unit. The background shows a white wall, a window with a wooden frame, a large dark vase with flowers, and a mossy rock.

# **ACOND**

# **Heat Pumps**

**INTRODUCING THE REVOLUTION IN AIR  
SOURCE HEAT PUMP DESIGN &  
TECHNOLOGY**

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# ABOUT ACOND

**When designing the ACOND PRO we asked you what you desired from an Air Source Heat Pump.**

With that in mind we developed the quietest heat pump on the market. Giving you high cost savings, reliability, a long lifespan and warranty, all within a reasonable price. The ACOND PRO whispers, giving you peace and quiet, without any negative effects for your neighbours. As a standalone outdoor unit that doesn't require any indoor space, the ACOND PRO fits nicely to the side of the house or garden.

The ACOND PRO is not just the perfect solution for new buildings, because it provides an outstanding hot water supply. It can also be used in retro-fit homes as an alternative to your current heating system.

## Revolutionary Technology

Our heat pumps are incredibly quiet, in fact the quietest on the market! The ACOND PRO heat pump combines great performance, energy efficiency and sustainability, with an energy efficiency class of A+++.

## Market Leading Performance

The ACOND PRO stands as one single outdoor unit that combines heating, cooling and hot water in a single solution. It is also equipped with the latest heat pump technology, making it the quietest on the market. The R290 low GWP refrigerant and Scroll compressor enables market leading performance and efficiency. The unit is also encased in Stainless Steel guaranteeing a long-life span.

# ACOND HEAT PUMPS



## REVOLUTIONARY TECHNOLOGY

The R290 refrigerant and Scroll compressor enables market leading performance and efficiency. The unit is also encased in Stainless Steel guaranteeing a long-life span.



## EXTREMELY QUIET

With sound power as low as 48dB(A) the ACOND PRO system can be flexibly positioned. Meaning it can even be used in densely built-up terraced housing estates



## REMOTE CONTROL

All ACOND heat pumps connect directly to the manufacturer's control room, allowing us to take care of everything! The Smart phone app allows you to access the controls on the go!



A+++

The ACOND PRO has an efficiency rating of A+++ at both 35°C and 55°C.



## SINGLE OUTDOOR UNIT

The ACOND PRO stands as one single outdoor unit that combines heating, cooling and hot water in a single solution.

# MARKET LEADING

## INVERTER CONTROL TECHNOLOGY

The development of inverter control technology started more than two decades ago in Japan. Since then manufacturers of compressor units for cooling and heating equipment have been working on perfecting variable output technology.

ACOND have perfected this technology and applied it to the new range of ACOND PRO heat pumps. These heat pumps have the capacity to continuously modulate heating/cooling output across a range of 30%-100%.

This level of control enables the output of the system to be matched perfectly to the demand of the property. Heat pumps, in general, are sized to cater for the full load of a property. A fixed output heat pump will be turned on and off continuously with the compressor always operating at 100% of its capacity regardless of demand. The use of inverter technology allows the units to vary its output to match the demand of the property. When demand is low, the output of the heat pump is reduced to match the requirement of the property, therefore significantly reducing the number of on/off cycles.

The lifespan of a compressor is limited by the number of times the compressor is switched on and off. ACOND inverter technology significantly reduces the mechanical load applied through cycling and vastly extends the lifespan of the equipment.

### This technology has several notable advantages including:

**Increased Coefficient of Performance (CoP)**

Inverter control allows demand to be matched by supply through speed modulation of the compressor resulting in a greater CoP

**Reduced energy consumption**

Plus a reduced mechanical load, increasing lifespan, with no requirement for a buffer tank.

# RESIDENTIAL SYSTEMS

# RETROFITS

## AN ENVIRONMENTALLY FRIENDLY AND LOW-COST WAY TO HEAT YOUR HOME.

Whether it's a one-bedroom apartment or a large family home, ACOND heat pumps have been installed in homes of all sizes, providing renewable heating and hot water. The ACOND systems are built to last and deliver outstanding comfort.



ACOND air source heat pumps are ideal to retrofit to homes. An Acond Air Source Heat Pump can significantly reduce running costs and dependency on fossil fuels. Operating at best at low temperatures, a heat pump will provide a much more comfortable living environment

### PERFECT SOLUTION

ACOND technology has been applied to many residential projects including social housing, state-of-the-art eco homes and renovations and retrofits of every size and style.



*“The quietest heat pump currently on the market”*

### HIGH PERFORMANCE

With a five-year warranty as standard and some of the highest seasonal co-efficient performance (sCOP) ratings available, you can be assured that when you choose ACOND, you're choosing a best in class system.

### LONGEVITY

Unlike traditional boilers, heat pumps do not rely on any form of combustion and as such the lifespan of a heat pump is expected to exceed 20 years. The unit is also encased in Stainless Steel guaranteeing a long-life span.

### WHY ACOND?

ACOND have designed this unit to blend seamlessly into the home, with its stainless steel exterior it guarantees a long life with high-efficiency heating at an affordable cost.

- **REVOLUTIONARY** - Delivering high water temperatures up to 70°C
- **SUSTAINABILITY** - Environmentally sustainable and future proof
- **LIFETIME SUPPORT** - You can always call on us for technical support
- **DURABILITY** - Outstanding quality, with a stainless steel exterior
- **EXTREMELY QUIET** - Used in densely built-up terraced housing estates
- **INDUSTRY LEADING** - Energy-efficient range of heat pumps
- **LONG WARRANTY** - 5-year as standard, plus 10 years on compressor
- **SMART TECHNOLOGY** - With a high tech engineer control panel

# ACOND PRO

The ACOND PRO heat pump combines great performance, energy efficiency and sustainability, with an energy efficiency class of A+++.

The PRO's revolutionary technology is cleverly assembled inside a single unit keeping noise to a minimum. Making it the quietest heat pump on the market with an acoustic output of just 48 dB(A).



## PRO R

The PRO R Air source heat pump is designed to provide an efficient, low-carbon solution for space heating, cooling and domestic hot water.

- » Acoustic output of 49.3dBA
- » Air temperature operating range from -22°C to 35°C
- » Water output temperature capacity between 20°C to 70°C
- » Maximum heating capacity at 35°C, with outside temperatures of 15°C is 18.8kW



## PRO N

The PRO N model, is a compact monobloc heat pump that uses a variable speed scroll compressor with a R290 refrigerant.

- » Acoustic output of 48.4dBA
- » Air temperature operating range from -22°C to 35°C
- » Water output temperature capacity between 20°C to 70°C
- » Maximum heating capacity at 35c, with outside temperatures of 15c is 8.9kW

# EFFICIENCY

## PERFORMANCE

ACOND have designed this unit to blend seamlessly into the home, with its stainless-steel exterior and market leading refrigerant and compressor, it guarantees high efficiency heating, cooling and hot water at an affordable cost.

COP A7/W35

4.9

Performance parameters, reference water temperature 35°C

COP A7/W55

3.28

Performance parameters, reference water temperature 55°C

sCOP

4.74

Parameters for colder climate, Equithermal regulation

\* All figures are based on the ACOND PRO N model.

## What is sCOP?

Seasonal Co-efficient of Performance (sCOP) represents the ratio between the total produced heat and the total electricity consumption over a heating season. This is in contrast to the COP (Coefficient of Performance) heating factor, which is specified for particular temperature conditions.

48.4 dBA

The acoustic power values were measured during A7/W55 conditions.

## ACOUSTIC PRESSURE

The acoustic pressure levels are subject to change dependant on the heat pump position.



**ACOND** **THERMAL**  
**Earth**



## GET IN TOUCH

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