

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 light grey, rectangular box with a large front grille consisting of horizontal white 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 black vase with flowers, and a rock with moss.

ACOND

Heat Pumps

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

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ABOUT ACOND

When designing the ACOND we asked you what you desired from an Air Source Heat Pump. So 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 whispers, giving you peace and quiet, without any negative effects on your neighbours. As a standalone outdoor unit that doesn't require any indoor space, the ACOND fits nicely to the side of the house or garden.

The ACOND is not just the perfect solution for new buildings, as it provides an outstanding hot water supply for all residential property types. It can also be used in retrofit 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 heat pump combines great performance, energy efficiency and sustainability, with an energy efficiency class of A+++.

Market Leading Performance

The ACOND 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 twin rotatory 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 twin rotatory 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 46dB(A) the ACOND 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!



SINGLE OUTDOOR UNIT

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



A+++

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

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-heat pumps. These air source 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.

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 75°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, up to 7 years available
- **SMART TECHNOLOGY** - With a high tech engineer control panel

ACOND GRANDIS

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

The GRANDIS'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 46 dB(A).



GRANDIS R

The GRANDIS 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 47.7 dBA
- » Air temperature operating range from -22°C to 35°C
- » Water output temperature capacity between 20°C to 75°C
- » Maximum heating capacity at 55°C, with an outside temperature of 15°C is 16.1kW

GRANDIS N

The GRANDIS N model, is a compact monobloc heat pump that uses a variable speed twin rotatory compressor with a R290 refrigerant.

- » Acoustic output of 46.1 dBA
- » Air temperature operating range from -22°C to 35°C
- » Water output temperature capacity between 20°C to 75°C
- » Maximum heating capacity at 55°C, with an outside temperature of 15°C is 6.8kW



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
5.5

Performance parameters,
reference water
temperature 35°C

COP A7/W55
3.2

Performance parameters,
reference water
temperature 55°C

sCOP
5.38

Parameters for colder
climate, Equithermal
regulation

* All figures are based on the ACOND GRANDIS N model.



ACOUSTIC PRESSURE

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

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.

46.1 dBA

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

HIGH PERFORMANCE

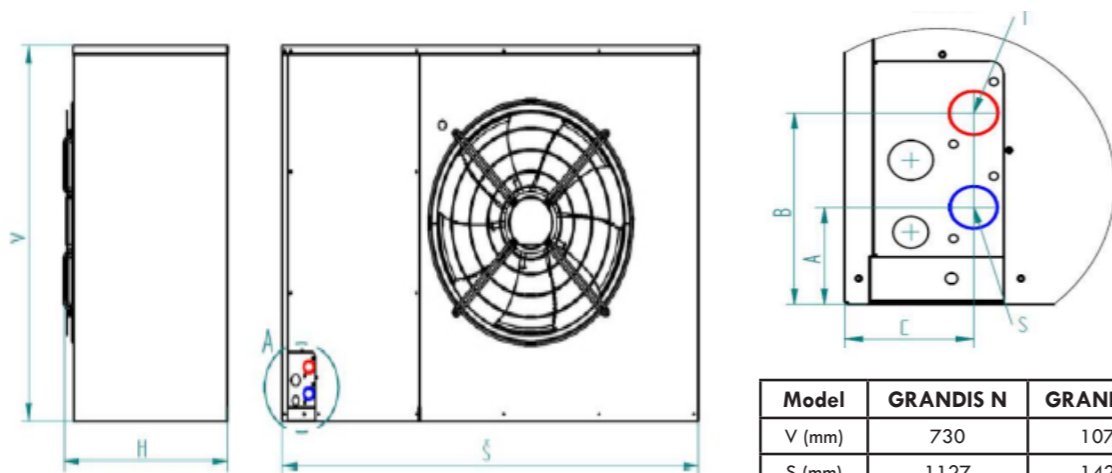
TECHNICAL DATA

Performance			
		GRANDIS N	GRANDIS R
Heating Capacity	kW	1.5 - 7	3 - 16
Cooling Capacity	kW	3 - 7	6 - 14
COP A7/W35	kW	5.54	5.52
COP A7/W55	kW	3.26	3.38
SCOP W35	kW	5.38	5.58
SCOP W55	kW	4.05	4.21
Seasonal Heating Energy Efficiency - Radiators	%	159	165
Seasonal Heating Energy Efficiency - UFH	%	212	220
Energy Class		A+++	A+++

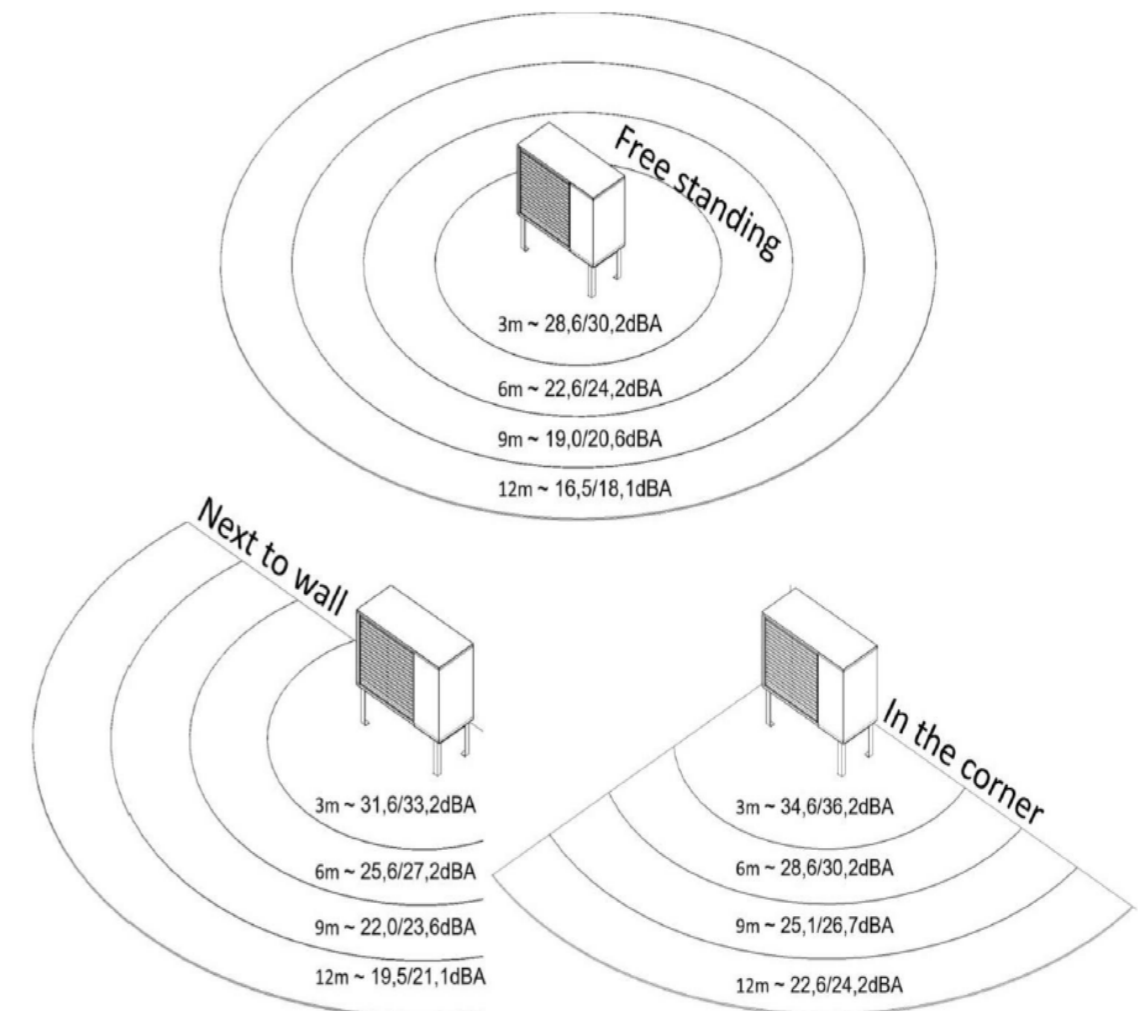
SOUND PARAMETERS

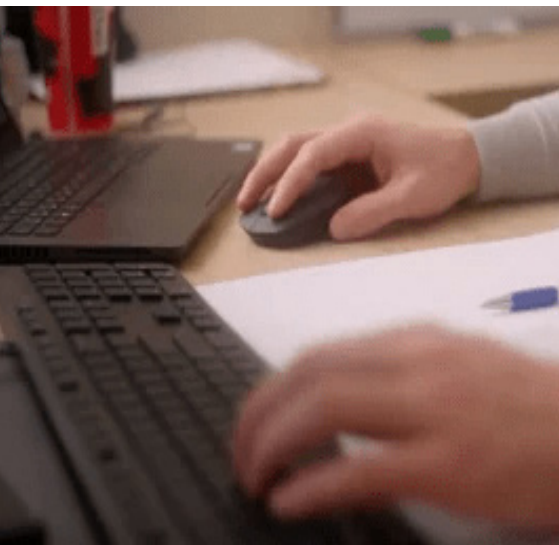
		GRANDIS N	GRANDIS R
Sound Pressure at A7/W55	db(A)	46.1	47.7
Sound Pressure at 3m	db(A)	28.6	30.2
Sound Pressure at 6m	db(A)	22.6	24.2

DIMENSIONS



Model	GRANDIS N	GRANDIS R
V (mm)	730	1070
S (mm)	1127	1426
H (mm)	498	557
A (mm)	107	78
B (mm)	183	154
C (mm)	82	92
Weight (Kg)	110	185





ACOND **THERMAL**
Earth



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