

# Sustainable heating and cooling innovations

Climate comfort made simple.





# Creating a comfortable indoor climate all year round

Our aim is to bring the world's best quality air conditioning and heat pump products to all of our customers.

As a UK based air conditioning and heat pump supplier with over 20 years' experience, Air Conditioning Sales UK has earned a reputation for quality and service. We provide custom design and installation services for residential and commercial properties. Our goal is to provide each customer with an optimal solution based on their unique needs.

With our passion and dedication, we will help reduce your home's running costs and create a more comfortable environment.

## Our mission

We are committed to providing high quality, reliable, competitively priced products, as well as impeccable customer service.

## Decarbonisation and the drive towards Net Zero by 2050 will soon become a reality.

In October 2021, the UK Government launched the 'Heat and Buildings Strategy' which outlines their plan to decarbonise all heat in buildings. This strategy involves phasing out the use of fossil fuels to heat buildings by 2035, whilst increasing the application of low carbon products, fuels and energy sources.

"We are committed to helping the nation achieve Net Zero targets through our team of skilled experts. Our goal is to provide our customers with the most innovative, advanced heating and hot water solutions."

*Chas Byrne*

Chas Byrne  
CEO - Air Conditioning Sales UK



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# Let's build a greener future, together

Empowering sustainable living. Providing eco-friendly solutions to our customers.

The majority of carbon dioxide in the atmosphere comes from fossil energy sources used to heat and supply hot water. Nature must be protected by replacing oil, coal, and gas with renewable energy sources.

ACS harnesses the renewable energy of nature and combines it with innovative technologies to produce clean energy. We provide smart solutions that are efficient and beneficial to everyone.

Air to water heat pumps convert heat from the outside air into hot water supplies, hot water filled radiators and underfloor heating. Due to the fact that air contains heat, even at sub zero temperatures (-25°C), this type of heating system is perfect for use in the UK's relatively moderate climate and will provide you with heat all year around.





# Helping you and the environment, the future is now

Air to water heat pumps offer homeowners a number of benefits over other types of heating systems:



## Cost Savings

Installing an air source heat pump for your home offers efficient heating by extracting heat from the air, leading to lower running costs and reduced energy bills.



## High Efficiency

With proper usage and depending on various factors, you can use up to 5 times less energy while heating your home compared to any other heating system.



## Versatile

Compatible with underfloor heating and low surface temperature radiators, offering flexibility for your home heating needs.



## Operates Quietly

Versati is ideal for installation in urban or noise sensitive environments without disruption. The unit keeps the noise level below 59 dB.



## Quick Installation

– Installation of Versati air source heat pumps is generally quick and straightforward, typically completed within 2-4 days.



## Sustainable

Air source heat pumps harness natural energy for sustainable heating and hot water supply.



## System Compatibility

Effortlessly blend into home climate systems and can be controlled with a variety of accessories, including smart home technologies.



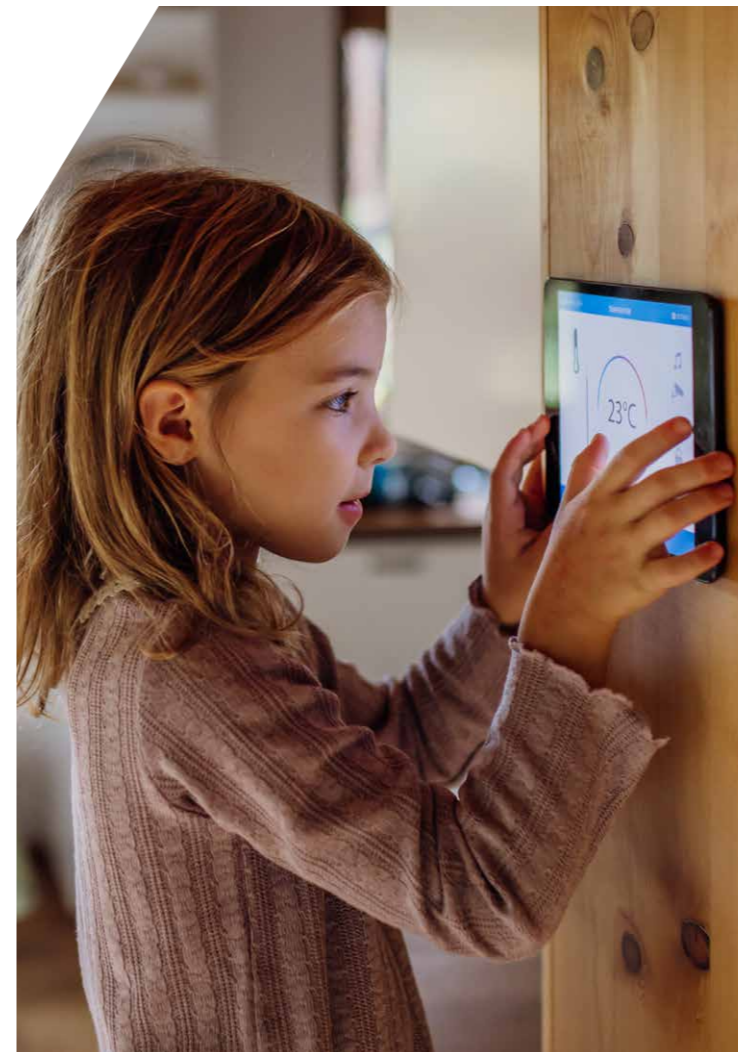
## Extended Lifespan

Versati offers a significantly longer service life than conventional domestic boilers, averaging between 20 to 25 years, ensuring enhanced durability and reliability.



## Low Maintenance

The robust design with few moving parts, requiring minimal upkeep. Regular servicing and warranty adherence ensure optimal performance and longevity.





# Next-gen green energy technology systems

Our trusted partner Gree.  
We have built a strong partnership with Gree over the last 20 years.

In 1991, Gree Electric Appliances Inc. of Zhuhai was founded. The company integrates R&D, manufacturing, marketing, and services in its air conditioning and heat pump business. "Master of Core Technology" is Gree's business concept and "Building a Centennial Enterprise" is its development goal. Due to its excellent product quality, advanced technologies, and unique sales model, it leads the industry.

Among Chinese HVAC manufacturers, Gree is the only one to have been honoured as a "World Brand". More than 160 countries and regions are served by its business. Gree's annual production capacity of RAC and CAC is over 60 million sets and 5.5 million sets, respectively.

Gree's commitment is to provide high-tech and high-quality products to global users. Seven of its production bases are in China, and two others are in Brazil and Pakistan. It has more than 70,000 employees.

**Action makes the future and innovation makes achievement.**

Looking forward, Gree will firmly commit to their business philosophy of passion, innovation, and realisation. Their aim is to build a century's standing air conditioning and heat pump enterprise, to create a better life for human beings.



**In 2021, Gree was the number one brand of air conditioners in the world.**



**15,000+**  
Engineers



**126**  
Research Institutes



**1,045**  
Labs



**79,900**  
Technology Patents



**1**  
National Technology R&D Centre



**40,714**  
Invention Patents





# The Versati IV Monobloc

Gree Versati air to water heat pump range is part of a new generation of heating and air conditioning systems designed to heat or cool the home and to produce hot water.

The Versati IV Monobloc ranges from 4 to 16kW on a 240v single phase supply. This high efficiency heat pump operates at outside temperatures as low as -25°C.

Gree heat pumps provide significant savings on heating expenses compared with electrical heaters. For example, The Versati 12 kW system has a COP of 4.94 which means that for every 1 kW consumed, it returns 4.94 kW of energy, i.e. 3.94 kW more than a conventional electrical heating system which has a maximum COP of 1.

Providing a perfectly controlled living environment, the Gree Versati IV heat pumps are suitable for heating and cooling homes, as well as for preparing hot water. Powerful energy performance is ensured by the patented Gree two-stage compressor and the latest inverter technology. Versati IV has intelligent controls and the latest generation of components, making it eligible for government subsidies.

## Eco-friendly

Versati adopts R32, an eco-friendly refrigerant that is harmless to the environment. With advanced heat pump technology and powerful hardware, Versati has been able to reduce CO2 emissions significantly. In keeping with our commitment to protecting the environment, it is an eco-friendly product.

## High efficiency

Compared to traditional compressors, DC inverter compressors have the advantages of high performance and high efficiency:

- / By adopting DC inverter technology, the compressor regulates its output according to the heating requirements to achieve higher efficiency
- / The DC Inverter compressor optimises its output to ensure efficient operation
- / Using stepless power regulation technology, the DC Inverter compressor achieves stepless output regulation between 20Hz and 120Hz
- / The 180 degree sine wave current output uses low start-up current, small torque pulse and free speed regulation between 900 and 6600 rpm. It enables the system to meet the temperature requirements of various circumstances, significantly lowers the power consumption and is easy to use

The Gree Versati IV Monobloc heat pump is easy to install because it is an outdoor unit only. With an output of 4 to 16kW, these heat pumps can be combined with LT floor heating or fan coil units and radiators.

The high temperature output of the Versati III will allow for a retrofit installation to be possible which will accommodate most wet radiator systems.

The Gree Versati III can be combined with most hot water storage tanks, making it the perfect solution to accommodate your domestic hot water requirements.



**Gree's two-stage compressor & inverter tech: powerful energy performance.**



## Eco-friendly R32

CO<sub>2</sub> emission reduced by 75% or above



## A+++

Average climate Scop35°C



## A7W35

COP up to 5.4



## Operation Temperature

-25°C ~ 48°C



## Outlet Water Temperature

5°C ~ 65°C





# Air conditioning systems

Gree developed R290 air conditioners which is eco-friendly to the environment, and completed the first production line for R290 air conditioners in the world. It has played the demonstration effects for the application of environment-friendly technologies in Chinese or even global air conditioning industry, which has been appraised as "world-leading" level.



## Wall Mounted

Gree have manufactured this R32 Eco-friendly elegant unit which is quiet in design and features round edges which make it very stylish.

It has an ioniser filter which is one of the most advanced air cleaning technologies in the world. The ioniser filter releases ions which clean the air from dust and odours, it gathers house dust, pollen and small particles that are responsible for allergies and it eliminates indoor air pollution in your home. At the same time it generates ions in order to create a safe, healthy and relaxing environment.

This product features remote control, timer, i feel function and has seven adjustable fan speeds.



## Console Floor

The Gree Console floor or under ceiling mounted unit provides high performance from a compact unit where space restrictions allow for these units to be discreetly positioned. At only 600mm high it can be installed under most window areas, suitably matched for various residential applications from conservatories and bedrooms to living areas. The floor heating function allows air flow directly towards the floor, ensuring warm feet with the I Feel function.

The product includes a remote control, it has adjustable fan speeds for rapid heating and cooling. The high efficiency air filters remove odours and particles. It has excellent performance due to high efficiency DC Inverter compressor.

## Portables

The Gree heat pump portable air conditioner 12000BTU/ 3.5kw with A+ energy efficiency will provide comfort heating and cooling all year round. It has a unique stylish design and can be easily moved with its flexible castors in the office or at home. The Gree portable is suitable for small areas up to 30 square metres and is perfect for homes, server rooms, small offices, conservatories and more. The remote control allows you to operate the unit from the comfort of your armchair or office desk. It comes complete with a single hose exhaust system.

It also dehumidifies up to 1.8 litre of moisture per hour which in turn reduces dust, smoke and pollen leaving a cleaner environment for all. It comes complete with built-in timer and memory function.





### Ceiling Cassette U-Match

This Gree compact cassette unit is ideal for office and domestic environments where space is an issue, these units can be recessed into the ceiling void to utilise space.

This Gree product features a remote control, timer function, auto clean function and has adjustable fan speeds for rapid heating and cooling. The high efficiency air filters remove odours and particles to provide a cleaner and healthier environment.

Gree's U-Match Series has adopted the new eco-friendly R32 refrigerant which is 68% lower GWP than that of R410A These environmentally friendly, energy efficient units come in various sizes to match a wide variety of climate control challenges.

### Ducted U-Match

This Gree ducted unit is ideal for office and domestic environments where space is an issue, these units can be recessed into the ceiling void to utilise space.

This Gree product features a remote control, timer function, auto clean function and has adjustable fan speeds for rapid heating and cooling. The high efficiency air filters remove odours and particles to provide a cleaner and healthier environment.

Gree's U-Match Series has adopted the new eco-friendly R32 refrigerant which is 68% lower GWP than that of R410A These environmentally friendly, energy efficient units come in various sizes to match a wide variety of climate control challenges.



### Wall Mounted U-Match

This Gree wall mounted unit is ideal for office and domestic environments where space is an issue.

This Gree product features a remote control, timer function, auto clean function and has adjustable fan speeds for rapid heating and cooling. The high efficiency air filters remove odours and particles to provide a cleaner and healthier environment.

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### Floor Standing

The Gree Freshwind T-Fresh unit is a great option where wall and ceiling mounted types are not possible. It is designed for larger areas such as an office, bedroom, meeting and living room. The circulating air flow with its turbo heating and cooling reaches every corner of the room efficiently. The Gree floor standing unit additionally has an energy mode which will automatically adjust operational status according to your specific requirements. It additionally dehumidifies 5 litres per hour creating a cleaner environment to work or relax in.

This unit has a side-drawing filter design which is more convenient for cleaning and maintenance.

### Recreational Vehicle Air Conditioning & Heating

The innovative, stylish, robust built GREE Roof Top Slimline Air Conditioner is specifically designed for the RV industry and uses R410A refrigerant. This roof mounted air conditioning system will comfortably cool and heat your vehicle within a very short time. As the indoor air distributor is very flat, it does not obstruct in free movement within the vehicle.

**Wifi connectivity – GREE+ App Control\***



### Dehumidifiers

Gree has cleverly designed this compact sleek design of dehumidifier which will sit discreetly in any room. Its innovative technology allows you to manage dehumidity levels using a control pad with LED display. This dehumidifier can be used to obtain healthy levels of moisture in our homes and office spaces.

The Gree dehumidifier is excellent for targeting condensation, damp, mould and excess moisture making you enjoy fresh air under any environment. It can extract 16 litres of water per day and is collectable via a large 3.5L internal tank.







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