

HVAC solutions from the experts...



working towards
a better environment


Weatherite
AIR CONDITIONING LIMITED

 **BRITISH MANUFACTURER**
FOR OVER 40 YEARS

...innovative,
energy saving,
sustainable
solutions in air
conditioning and
air handling.

Manufacturing products that affect the environment is a responsibility Weatherite Air Conditioning Ltd takes very seriously.

As one of the UK's leading manufacturers of HVAC, made to measure equipment, we continually strive to stay one step ahead in a highly competitive global market place.

The expertise we have gained developing highly advanced cooling solutions for well over 40 years, ensures that we meet our customers' exact requirements - every time.



Our philosophy of continual investment in our production facilities guarantees the development of innovative, energy efficient, long lasting products, supported by first class customer service. The investment we make in training and personal development also demonstrates our belief that our people are paramount to the continued success of the organisation.

Our success is also attributed to our ability to respond rapidly to the needs of each of our customers. Rather than supplying an 'off-the-shelf' product, which may or may not offer exactly the right solution we design, manufacture, test and pre-commission our equipment to match our customers' specific requirements, guaranteeing the most cost effective, energy-efficient, purpose-built solution.

We work with some of the UK's most prestigious companies and have developed close relationships in many cases, over a number of years. Never taking anything for granted, we understand that one mistake can result in lost business in the highly competitive market in which we compete. This is at the forefront of every action we take and every decision we make.

State-Of-The-Art Manufacturing Capabilities.

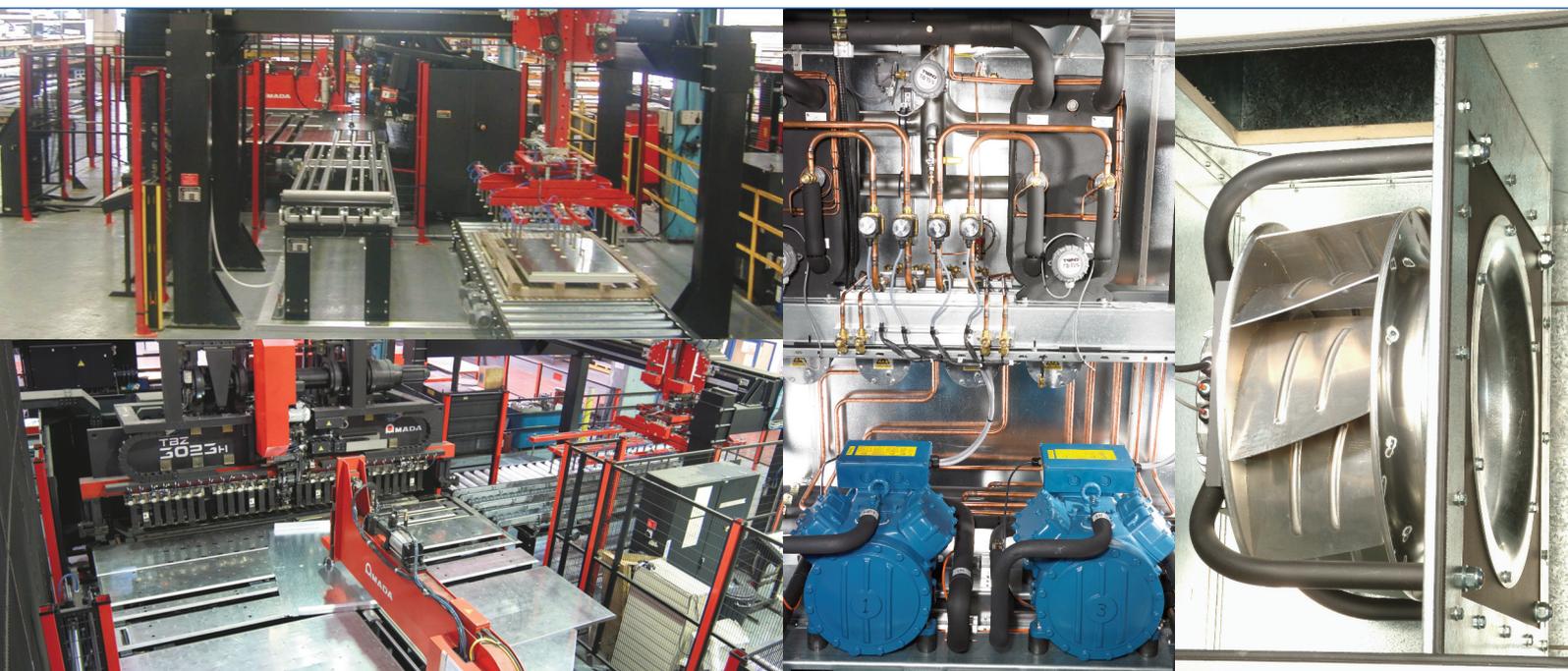
Extensive and continual investment in our manufacturing capabilities and production processes ensures we produce high quality, innovative, energy efficient products.

However, investment in our manufacturing infrastructure is only part of the Weatherite

story. Investment in the latest manufacturing technologies and materials, ensures we continue to improve our products, production processes and testing procedures.

All our sales and design systems are also fully integrated with the production facilities, improving our efficiency even further.

In order to remain a leading-edge manufacturer, we continually review and invest in all aspects of the business, placing a high priority on our manufacturing capabilities.



Research and Development

Competing in an ever changing, highly competitive, global marketplace demands that our R&D programmes are constantly reviewed and updated as technological advances are developed and introduced.

Innovative product design and development is crucial to Weatherite's continued success. We have highly skilled, dedicated teams who work closely with our sales, operations, contracts and maintenance personnel, to ensure we remain at the cutting edge of the global HVAC industry.

Technology plays a key part in our continuous research and development programmes. With energy saving and environmental considerations driving today's agenda, we are proud of our record.

Energy efficiency is also key to our R & D activities, with the incorporation of the latest technology including high efficiency motors, low energy EC fan technology and variable speed drives and we will continue to work closely with our supplier partners to deliver the best possible solutions.

Our Product Solutions



As one of the UK's leading air conditioning and air handling equipment manufacturers, Weatherite offers a comprehensive range of products to suit almost any application.

- **Packaged Rooftop Equipment**
- **Data Centre Cooling Equipment**
- **Air Handling Units**
- **Heat Recovery Equipment**
- **Air Cooled Condensing Units**
- **Packaged Heat Pumps**
- **Packaged Air Cooled Chillers**
- **Packaged Plantrooms**
- **Hydrocarbon Packaged Equipment**
- **Replacement Solutions**
- **Refurbishment Solutions**

Packaged Rooftop Equipment

The Weatherite range of energy efficient, high quality, fully packaged rooftop units have been specifically designed to meet the needs of today's fast track construction industry.

Each of our packaged rooftop air conditioning units are designed, manufactured, tested and pre-commissioned within our state-of-the-art manufacturing plant, prior to delivery and installation.



Because we specialise in made-to-measure solutions, all our rooftop units are manufactured to exactly the right specification to suit each individual application – ensuring that what's installed will deliver exactly the right energy saving, high performance, high efficiency, long lasting solution.

With over 40 years experience, the Weatherite name offers unrivalled expertise in the field of rooftop packages and, unlike many of our competitors, we can, if required, offer a complete one-stop-shop solution from start to finish including design, manufacture, installation and maintenance.

All our packaged rooftop units incorporate the latest technology including:

- High efficiency EC fans.
- Variable speed drives.
- High efficiency scroll compressors.
- IE2 motors.
- High efficiency gas burners.
- Latest BMS control systems incorporating web server for remote interrogation.

High Quality Service

Because we build, test and pre-commission before delivering to site, installation times, disruption, downtime and associated costs are all kept to an absolute minimum.

Data Centre Cooling Equipment

'It is estimated that by 2020, the IT sector will be the Worlds most energy consuming industry, as technological advances continue unabated'.

Operating 24 hours a day, 365 days a year, Data Centres consume vast amounts of energy and generate a significant amount of heat. This heat needs to be effectively controlled to ensure the efficient, reliable, safe and continual operation of these mission critical IT environments.



With over 35 years experience cooling IT critical environments, Weatherite Air Conditioning Ltd can provide exactly the right equipment for your cooling needs..... delivering a highly efficient, low energy, low PUE solution.

Our range of Data Centre cooling solutions include:

- Direct Outside Air Free Cooling
- Indirect Adiabatic Cooling
- Direct Adiabatic Cooling
- High Efficiency In-Row Cooling
- Large Capacity Cooling Systems
- Direct Replacement CRAC Units
- Air Containment

We design, manufacture and, if requested, install and maintain all our cooling equipment. Typical applications include:

- New build data centres
- Expansion programmes
- Replacement cooling solutions
- Refurbishment/upgrade of existing kit
- We design the 'right' cooling solution for 'each' individual application

Air Handling Units

High Efficiency Air Handling Units

Weatherite's high efficiency air handling units are precision manufactured, each one made to measure, ensuring they deliver exactly the right solution for each specific application.

As you would expect from one of the UK's leading air handling unit suppliers, we offer a high level of flexibility in terms of configuration, capacity and componentry - tailored to meet each individual application.



We offer a comprehensive range of made to measure, technically advanced AHU's in a range of configurations ensuring we can deliver exactly the right solution.

All our air handling units are designed and manufactured to the highest standards within our own production plant where they are fully tested and pre-commissioned prior to delivery, to ensure they provide air tight, thermally efficient, continuous operation. This is combined with the latest high efficiency components including the latest in fan, drive and motor technology resulting in:

- Substantial operating efficiencies
- Excellent energy saving capabilities
- Extended operational longevity
- Reduced carbon emissions
- Providing flexibility for growth
- Reduced running costs and maintenance frequencies

These factors mean that our air handling units deliver extremely short pay back advantages for all our customers.

Our AHU's are installed across a diverse range of applications including retail, health, data centres, leisure, education, commercial and pharmaceuticals.

Outstanding Service

Our units are also designed with ease of service and maintainability as a key priority and, as you would expect, we offer a complete 24 hour emergency support service, if the client requires it.

Heat Recovery Equipment

Commercial Heat Recovery Systems

Weatherite designs and manufactures high efficiency commercial heat recovery systems providing fresh air and improved climate control, whilst also saving energy by helping reduce the heating or cooling requirements of your building.



All our heat recovery systems are individually designed and built to deliver exactly the right solution to ensure optimum, prolonged performance. Our equipment also incorporates the very latest in heat recovery technology to deliver energy efficiency savings and CO₂ emission reductions.

At the heart of every heat recovery system is the heat exchanger and we can tailor the solution to suit the efficiency required by the client. Plates, wheels, heat pipes and run around heat recovery can be incorporated, together with the very latest technology in terms of EC plug fans, inverter drives, motors and the latest remote interrogation control systems.

Custom Design and Build

Because we design and build each of our heat recovery units to order, we can incorporate left or right hand configurations, horizontal and/or vertical duct outlets, integrated intelligent controls and high efficiency filters to deliver exactly the right solution for each application.

Air Cooled Condensing Units

This series of Weatherite weatherproof air cooled condensing units provides a comprehensive range of solutions.

All models provide excellent efficiency and sound ratings, are easy to install, saving on installation costs and down time and fan motors and blades are carefully selected to deliver maximum performance, at minimum sound levels.

High efficiency scroll compressors are also used throughout the range, ensuring maximum energy efficiency and optimal operating levels.



Packaged Heat Pumps

High Efficiency Heat Pumps

Weatherite Air Conditioning's Commercial Packaged Heat Pumps are ideal for installation in new buildings as well as for refurbishment projects.

All of our packaged heat pumps are designed and manufactured to suit each individual application, ensuring the right solution is delivered every time.

Housed within weatherproof double skinned boxed construction, offering excellent thermal and acoustic capabilities, our Packaged Heat Pumps also boast high efficiency components including:

- The latest scroll compressors
- E.C plug fans
- Fully web enabled control systems, allowing remote monitoring of the system

Our Packaged Heat Pumps are used across all industry sectors including retail, commercial, financial, manufacturing, education, health and leisure.

Packaged Air Cooled Chillers

High Efficiency Air Cooled Chillers

Weatherite Air Conditioning's Packaged Air-Cooled Chillers offer the very latest in quality, performance, innovation, energy efficiency and sustainability.



Our Chillers boast exceptionally quiet performance and incorporate the latest technology including;

- High efficiency plate heat exchangers
- Coated condenser fins for added protection
- Optimised condensers
- High efficiency scroll compressors for HFC refrigerants and semi hermetic for HC refrigerants
- Precise digital control systems

Our Air-Cooled Chiller range also offers hydronic pack solutions.

High Quality Design and Manufacture

Weatherite Air Conditioning's Chillers are designed with serviceability in mind, ensuring efficient, speedy, comfortable maintenance and are designed, manufactured and fully tested in our factory before being delivered to site for final installation and commissioning.

Because we manufacture all our Packaged Air-Cooled Chillers in our purpose built factory, we can offer exactly the right solution, particularly if clients are looking to implement a Chiller replacement programme or have a particular space problem.

Packaged Plantrooms

Pre-fabricated, off-site construction

Demand for off-site manufacture of packaged plantrooms / energy centres within the construction industry has steadily increased over recent years.

More and more new build and refurbishment projects are also being designed with pre-fabricated, off-site plant - providing the optimum solution more cost effectively.



Work on configuring and building the plantroom can also commence in tandem with the main construction work and will be unaffected by on-site influences such as weather, health and safety issues and unforeseen disruption. A construction site is far from ideal to construct and install a plantroom and the benefits of undertaking the work within a clean and dedicated factory environment speak for themselves.

Bespoke Plantrooms - Multiple Services

At Weatherite, we design, build, test and pre-commission made to measure packaged plantrooms to suit each clients specific requirement and, with over 40 years expertise, we will deliver a highly efficient, energy saving, quality solution - incorporating the very latest component innovation and energy saving capabilities.

Our range of Packaged Plantroom solutions can incorporate a range of services to suit the client including:

- Heating plant
- Hot water generation
- Cooling and refrigeration
- Switchgear, distribution
- Chiller plant
- Pump rooms
- Generator plant
- Water filtration
- Air handling plant
- Steam plant for heating or process systems
- Combined heat & power (CHP) or combined cooling, heat & power (CCHP)

Hydrocarbon Packaged Equipment

Hydrocarbon Packaged Cooling Solutions

Weatherite Air Conditioning has been one of the UK's driving forces in designing and manufacturing innovative, high quality, energy efficient, long lasting packaged cooling equipment for commerce and industry for over 40 years.



As part of our continuous development programme, we have designed, manufactured and installed a series of rooftop 'free-cool' packaged air conditioning systems and numerous chillers for air conditioning and process applications, utilising Hydrocarbon natural refrigerant, at a number of locations across the UK.

The global drive to be more energy efficient and environmentally friendly means that companies across the world are now becoming more active in reduce their carbon emissions associated with ozone depleting and global warming substances.

Replacement Air Conditioning Solutions

'Replacement Solutions from the Experts'

Air handling and air conditioning equipment installed some 15-20 years ago, in many instances is now coming to the end of its useful life.

The result is creating on going problems for managers responsible for their continued operation and performance deficiencies. Frequent breakdowns and spiralling energy costs are just some of the issues that create a nightmare scenario.

Faced with these on-going problems, end users and FM providers need to find an effective solution. For many, the high cost of installing a completely new system is exacerbated by the additional infrastructure costs involved and associated down time.



However, substantial savings can be achieved in equipment, installation and on-going energy costs by using Weatherite's 'Direct Replacement Units' incorporating the very latest in component technology.

We will provide a comprehensive survey of your existing plant and retain as much of the existing infrastructure as possible, only replacing worn out equipment where necessary.

We will then supply 'direct replacement' units, designed and manufactured to fit directly into the footprint of the old, worn out units. This means that existing ductwork and services can usually be utilised, saving thousands of pounds on new ductwork requirements, ancillary equipment and labour costs.

Incorporating the very latest high efficiency technology including:

- High efficiency EC fans
- Variable speed drives
- High efficiency scroll compressors with HFC refrigerants
- High efficiency IE2 motors
- High efficiency gas burners
- BMS controls to interface with existing system
- Units double skinned configuration for exceptional weatherproofing

Because Weatherite Air Conditioning builds, tests and pre-commissions all of its equipment before delivering to site, installation times are also kept to an absolute minimum.

Refurbishment Solutions

Can your cooling / heating plant be refurbished?

That's one of the first questions asked when having to consider upgrading your HVAC plant.

Hopefully, we have the right answer.



With years of expertise in the field, our specialist Refurbishment Teams can, depending on the condition of the plant in question, refurbish the equipment in situ. The solution will provide the client with a cost-effective, much improved and, in almost every case, a much more energy efficient solution.

Our refurbishment solutions not only apply to Weatherite manufactured equipment but also to any relevant equipment previously supplied by other manufacturers.

An initial site survey, undertaken by our experienced engineers, will provide the client with the most effective option whilst also outlining a proposed programme of works. Once agreed, work can commence.

Advantages:

- Cost - In most cases the cost of refurbishing equipment will undoubtedly be less than replacing it and solutions can be geared around the clients budget.
- Timing - Refurbishment is usually a quicker option, minimising downtime and possible disruption.
- Improved operational efficiencies.
- Less upheaval - as existing services are often unaltered.
- Opportunity to upgrade refrigerant in line with F Gas regulations.

Before making any decisions just call the Weatherite refurbishment hotline on 0121 665 2266 and we will discuss your requirements.

Our commitment to quality and to the environment

Weatherite Air Conditioning's reputation has been built on delivering the highest quality products at competitive prices, supported by excellent customer service. We recognise that customers need to be assured that they are dealing with highly responsible, professional and experienced people at all times.

Our staff are fully trained to all industry-recognised standards, whilst continual, in-house, training programmes provide employees with personal development to keep them up to speed with any industrial, technological and legislative changes.

Our investment in our people is mirrored by the investment we make in the plant and the processes we use - from our latest manufacturing systems, inspection and testing capabilities to the sophisticated diagnostic equipment used by the engineers in the field.

As you would expect, we are fully ISO 9001 accredited, which ensures we control and continually improve our key processes via this internationally recognised quality management standard.

However, our commitment to quality doesn't stop with the products we manufacture.

The Weatherite Group

Our philosophy is simple - to continue to invest in the development of the products and services we offer our customers and to deliver excellence throughout the whole Weatherite Group.

It is important to remain at the forefront of technological advances and the Weatherite Group will continue to invest in our state-of-the-art manufacturing facilities, plus the most advanced production equipment and support services.

Our people are our greatest asset. They provide the skills, knowledge, expertise and enthusiasm to drive the Weatherite Group forward, within an ever-challenging business environment. We will continue to invest in their future personal development and their working environment.

We also pride ourselves on being an ISO 14001 accredited company.

Energy saving and environmental issues are key elements driving the air movement industry today. Weatherite's continual commitment to developing the latest energy efficient, environmentally sensitive solutions has always been paramount in helping our customers reduce energy bills, whilst also minimising the impact on the environment.



Weatherite Group of companies:

Weatherite Air Conditioning Limited

Weatherite Service & Maintenance Limited

Weatherite Aluminium Solutions Limited





Weatherite

AIR CONDITIONING LIMITED



Weatherite Air Conditioning Ltd

has established itself as one of the UK leaders in the manufacture of quality air conditioning and air handling equipment for all sectors of industry. By combining innovative product design with state-of-the-art manufacturing facilities, a total commitment to quality and customer service that's second to none, we aim to stay one of the UK leaders.

Our success and continued growth is a direct result of our ability to respond to the needs of our customers and to the ever changing market place in which we operate.



BRITISH MANUFACTURER
FOR OVER 40 YEARS



Members of



Contact Details

For further information please contact the sales team on **+44 (0)121 665 2266**, email **sales@weatheritegroup.com** or visit our website **www.weatheritegroup.com**

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