

— Decarbonising spaces with

Packaged Heat Pump Air Conditioning

Striving towards your NetZero ambitions through sustainable HVAC and building decarbonisation solutions.

Innovative conditioned air technology for decarbonising and achieving NetZero.

As a leader in climate control solutions, we are proud to present our revolutionary packaged heat pump air conditioners. Designed with cutting-edge technology and a commitment to the environment, our HVAC systems offer unmatched efficiency, zero carbon emissions, and seamless installation, all while providing superior heating and cooling.



We understand the importance of reducing carbon footprints and achieving net zero goals. Our packaged heat pump air conditioners harness renewable energy, offering exceptional performance with minimal environmental impact. With over 400% efficiency, these units provide significant utility bill savings, making them an economical and eco-friendly choice.



Internal View

Room/Space Coverage

3.1kW = 18m²
3.6kW = 24m²



External View

Running Cost

Let's take a 20 room residential space based on the following:

20

Units

5

Days Per Weeks

6

Hour Daily Run Time

£0.245

Cost per / kWh

Single daily energy consumption for 6 hours
4.32kWh

Total daily energy consumption for 20 units
86.4kWh

Daily Running Costs of 20 units

£21.17

Yearly Running Costs of 20 Units

£5,504

EPC Advantage

For buildings striving to meet net zero goals and improve their Energy Performance Certificate (EPC) ratings, a packaged heat pump air conditioner is an excellent choice. Its high efficiency and reliance on electric power contribute to significant reductions in carbon emissions, aiding in the decarbonization of buildings. Improved EPC ratings can enhance property values and appeal to environmentally conscious tenants and buyers, ensuring compliance with future regulatory requirements and sustainability standards.

Applications

- **Residential spaces**
- **High Rise**
- **Offices**
- **Accommodation Blocks**
- **Hotels**
- **Garden Buildings**
- **Modular Buildings**
- **Office Pods**
- **Portable Buildings**
- **Listed Buildings**



Saving energy & costs for your clients.



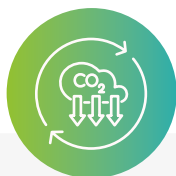
A+ Efficient Conditioning

Achieve efficiencies over 400% with minimal input (0.72 kW) compared to output (3.1 kW), leading to substantial utility bill savings. This high efficiency reduces overall energy consumption, making it both economical and sustainable.



Go Carbon Neutral

Operate exclusively on electricity and renewable sources like solar or wind power, ensuring zero direct carbon emissions. This aligns them perfectly with carbon neutrality goals, reducing reliance on fossil fuels and supporting sustainable practices for buildings aiming to minimize environmental impact.



Decarbonise

Ideal for buildings aiming to achieve net zero goals and improve EPC ratings. They significantly reduce carbon emissions through high efficiency and electric power reliance, enhancing property value and compliance with sustainability standards.



Eco-Friendly Refrigerant

Utilises propane, a natural refrigerant with a low GWP of 3. R290 is non-toxic, has no ozone depletion potential, and supports sustainability goals by reducing greenhouse gas emissions while enhancing heat pump performance.

Low-costs with rapid project completion.



Low Installation Costs

Eliminate the need for costly refrigerant pipework and certified F-gas engineers. General builders, electricians, or maintenance teams can install them without specialized certification, reducing complexity and installation expenses.



Quick Installation time

Install swiftly in under 4 hours, minimising disruption for retrofitting existing and outfitting new builds in residential and commercial settings. This efficiency accelerates timelines, enhances operations, and suits sectors like hospitality, healthcare, education, and residential spaces.



No Outdoor Condenser

Eliminates unsightly outdoor units, maintaining building aesthetics and adhering to urban restrictions on external modifications. Optional H2O models further enhance versatility by requiring no building penetration, making them ideal for diverse installation scenarios without compromising architectural integrity.



Minimal Maintenance

Packaged heat pumps have fewer moving parts than most traditional systems. This reduces the chances of mechanical failures and the need for regular maintenance. As a result, downtime for servicing can be kept to a minimum, which can result in significant savings over time.

The Hub Gibraltar

An impressive 143 packaged heat pump air conditioning units were installed across various studio apartments at The Hub in Gibraltar to provide low-cost cooling in the summer and heating in the winter providing full automatic cool and heat 24/7, in a very challenging climate.



The air conditioner without an outdoor unit.



Full WiFi Control at your fingertips

Seamless control via tablet or smartphone through Wi-Fi. Turn the unit on/off, set programs, and adjust temperatures from your device. Central control by a receptionist ensures rooms are conditioned before guests arrive, with a lock feature preventing unauthorised adjustments. Enjoy smart, effortless comfort being in control.

Hyper-compact plastic free design.

Crafted with a 100% metal body, this unit is strong, sturdy, and impeccably consistent. Its dimensions have been reduced and optimized to incorporate all necessary functions within a hyper-compact design. The depth? Just 16 centimeters. This ultra-thin profile minimises aesthetic impact both indoors and out, seamlessly blending with any design.

LST
Low Surface
Temperature

27
Internal
dB(A)

Where style meets comfort & efficiency.



Optimised power, reduce consumption and noise

With DC Inverter technology, power is optimized to provide maximum comfort with lower energy consumption and noise. With the 'Dual Power' option, the unit quickly reaches the desired temperature. Additionally, the external grills are foldable: they open when the unit is operating and close when it's off, minimising dust, noise, and pollution, thereby maximising well-being.



Working together to decarbonise your building through efficient HVAC technologies.

Reach out to Powrmatic to arrange a digital or in-person consultation, or a site visit, for expert assistance with selecting and applying our solutions to meet your project requirements. Our tailored solutions will help you cut carbon emissions and work towards your net zero goals. Let us support your sustainable climate control initiatives.

UK Office

Hort Bridge
Iminster
Somerset
TA19 9PS

+44 (0) 1460 53535

info@powrmatic.co.uk
www.powrmatic.co.uk/zero

Ireland Office

Powrmatic Ireland
45 Broomhill Close
Tallaght
Dublin 24

tel: +353 (0) 1452 1533

info@powrmatic.ie
www.powrmatic.ie



POWRMATIC

Powrmatic pursues a policy of continuous improvement in both design and performance of its products and therefore reserves the right to change, amend or vary specifications without notice. Whilst the details contained herein are believed to be correct they do not form the basis of any contract and interested parties should contact the Company to confirm whether any material alterations have been made since publication of this brochure.

Issue 1.0