



# TRIANCO

BRINGING HEAT TO LIFE

## Activair Heat Pumps



A<sup>+</sup>



Offering a choice of affordable and sustainable heating products is paramount to Trianco. Our Activair air to water heat pumps were the first renewable offering launched under the Trianco brand and have since provided energy saving solutions to hundreds of homes across the UK.

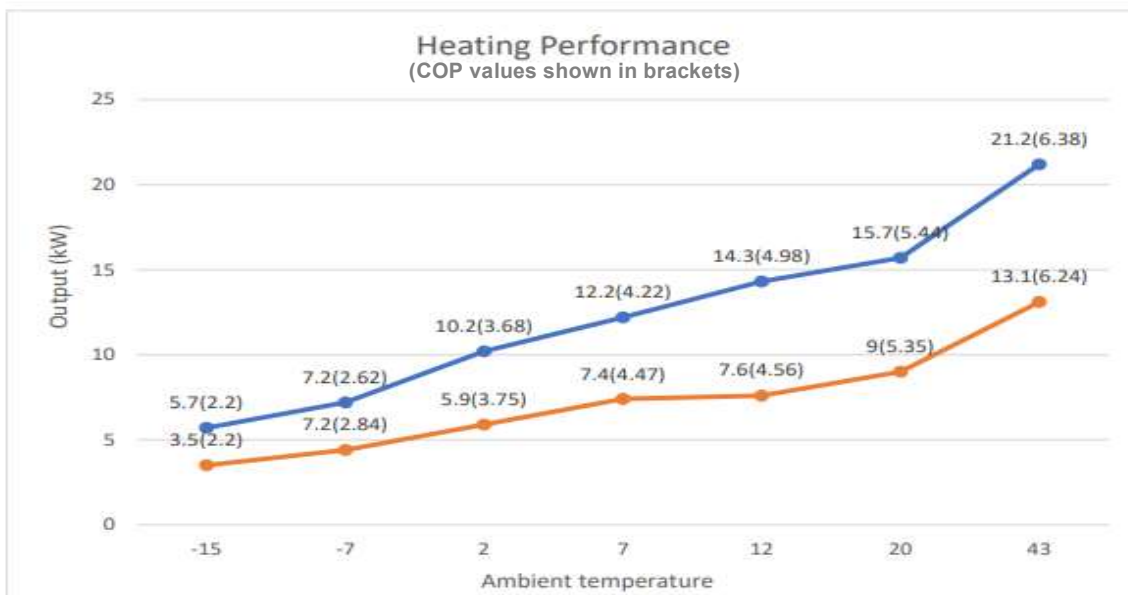
Activair works in a very similar way to a domestic refrigerator, utilising a working fluid driven around a refrigerant circuit containing four components - an evaporator, a compressor, a condenser and an expansion valve. The refrigerant liquid circulating within the system has a boiling point as low as  $-40^{\circ}\text{C}$  and evaporates when absorbing heat from ambient air. This means it's possible to extract considerable heat from extremely low temperatures. The resulting refrigerant gas is then compressed, adding more heat energy and raising its temperature. This heat is then passed via the heat exchanger into your home for use in your hot water cylinder.

It is vitally important when designing heating systems to ensure the heating flow temperature is kept as low as possible. This will enable the Heat Pump to run at optimum efficiency.

The coefficient of performance, or COP, of a heat pump is the ratio of the output heat to the input supplied. An air source heat pump operating at COP of 3.0 will provide 3kW of heat output for every 1kW of unit input (energy consumed).

## Heating Performance

Output Statistics							
Ambient Temperature	-15	-7	2	7	1	20	43
Activair 7kW	3.5	4.4	5.9	7.4	7.6	9	13.1
Activair 12kW	5.7	7.2	10.2	12.2	14.3	15.7	21.2



## Activair Heat Pump

Our new Activair Heat Pump is easy to install, offers exceptional fuel savings and significantly reduces the emission of harmful greenhouse gases, lowering the impact on the environment and growing effects of climate change.

Activair is fully controllable via supplied digital programmer.

### Activair Heat Pump features:

- High efficiency
- 7kW & 12kW suitable for DHW and heating
- Compact & unobtrusive
- Durable weather proof casing
- Low energy costs
- Provides high CO2 emissions savings
- Easy to install
- Flexible siting options
- High quality latest compressor technology
- Competitively priced
- Minimal maintenance
- Digital programmer
- Optional stainless steel mounting plates
- Anti frost protection
- 2 year warranty



### Dimensions & Specification

Model	Output kW (Heating)	Depth (mm)	Width (mm)	Height (mm)	Weight (Kg)
Activair 7kW	7	380	940	770	78
Activair 12kW	12	400	1100	920	91



Installation packs are also available which include Cylinder, Buffer, flexible hoses, feet, WIFI controls for immersion, Glycol, 2 x Wilo pumps and filling loop



**TRIANCO**  
BRINGING HEAT TO LIFE

**TR Engineering Limited**

Thorncliffe, Chapelton, Sheffield S35 2PH

Tel: +44 (0)114 257 2300

Fax: +44 (0)114 257 1419

Email: [info@trianco.co.uk](mailto:info@trianco.co.uk)

[www.trianco.co.uk](http://www.trianco.co.uk)

TR Engineering Limited is a company registered in England and Wales  
Registration no. 7321802

Copyright of all contents of this leaflet is vested in TR Engineering Limited.  
Any part may not be reproduced without permission.

The contents of this leaflet are accurate at the date of printing but, because TR  
Engineering has a policy of continual development, it may be superseded and  
should be disregarded if specifications or appearances are changed.

The statutory rights of the customer are not affected. E&OE's.

Brochure production date 29 August 2019 - v1.

