



TRIANCO
BRINGING HEAT TO LIFE

Electric Heating Solutions





Revolutionising heating with Trianco...

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Trianco website

With origins dating back to **1793**, Trianco has become known as the 'Rolls-Royce' of boilers having developed a reputation for its high quality products.

Originally known for its Solid Fuel and Oil Boilers, the recent increase in demand for carbon friendly product and homes has seen Trianco adapt its range to high quality, electric heating solutions for any situation.

With the increasing desire to combat climate change, the UK is moving to electric energy to heat homes and businesses.

WiFi and App controlled heating systems are becoming a more popular way to remotely manage heating and energy use in the home and Trianco has incorporated this technology into its electric products.

As the electricity grid becomes greener with increased use of renewables, it is inevitable that electric heating will become the cleanest heat source, enabling the move towards zero carbon. From 2025, gas boilers cannot be used in new build developments meaning the future of electric has never been brighter.



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.

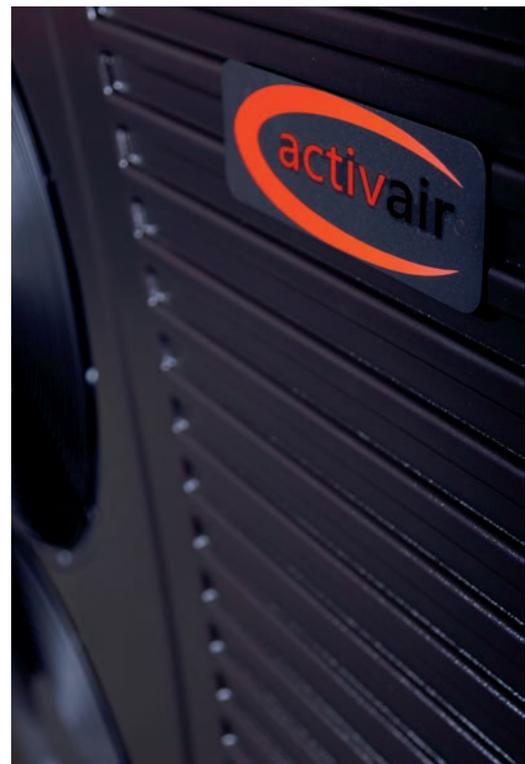
Activair works in a very similar way to a domestic refrigerator, utilising a working fluid driven around a refrigerant circuit containing four components - an evaporator, a compressor, a condenser and an expansion valve.

The refrigerant liquid circulating within the system has a boiling point as low as -40°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).



Activair Indoor Heat Pump



Scan me

Our Activair indoor wall hung Heat Pump is the green solution for modern apartments.

This unique system is a much simpler and cheaper way of installing heat-pumps into apartments against using HIUs central plant rooms and ground source heat-pumps.

Our system can give the best of both worlds with inside air cooling for the increasingly warmer summers whilst producing DHW.

NO large unit outside necessary!

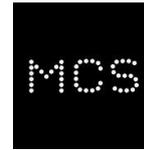


FEATURES:

- Intelligent touch screen controls.
- Wall hung & can be installed in an airing cupboard.
- Convenient installation.
- High efficiency heat exchanger.
- Will help towards achieving SAP rating for new developments.
- App & Remote monitoring
- Will interact with our Aztec Electric boiler



Activair High Temp Heat Pump



Our new Activair High Temp 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 a Smart App with remote monitoring via the built in 4G Data Transfer Unit.

FEATURES:

- High efficiency
- 9kW, 15kW & 22kW outputs suitable for DHW and heating
- Compact & unobtrusive
- Plastic weather proof casing
- Low energy costs
- Provides high savings on CO2 emissions
- Easy to install
- Flexible siting options
- High quality latest compressor technology
- Competitively priced
- Minimal maintenance
- Smart app controls
- Optional mounting plates for floor or wall
- Anti frost protection
- 5 year warranty



22kW model



We can also supply the following to complete the Air Source Heat Pump installation:-

- Pre-plumbed Heat Pump Cylinder
- Thermobox – The All-in-One Solution for Heating & DHW
- Sunamp Thermal Batteries (see page 10)



Activair Heat Pump Plus Pack

Combining the easy to install, Activair Heat Pump, with the Sunamp Thermino Thermal Batteries, the Activair Heat Pump Plus Pack provides the ultimate space saving solution for hot water.

This fully comprehensive package offers a one-stop-shop and one delivery solution for transitioning to renewable heating systems. External casing for full outdoor storage available.

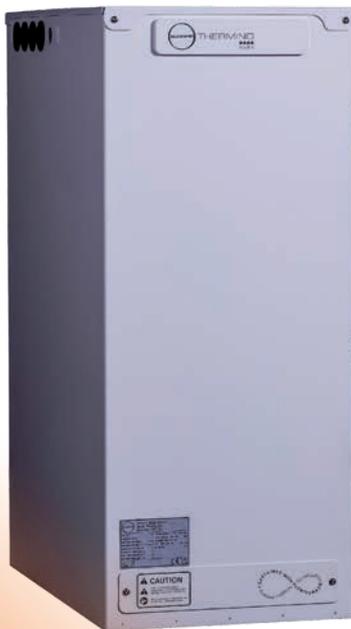
INCLUDES:

- Activair High Temp R290 ASHP 9kW, 15kW or 22kW
- Sunamp Thermino 210 or 300 HPPV Thermal Battery - Space saving thermal storage for Activair Heat Pumps linked to solar PV for greater protection against soaring energy costs.
- Installation Kit

Sunamp External Casing



PV Ready



Activair Heat Pump

Our 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



FEATURES:

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



Activair Heat Pump with Installation Pack

Our Activair Heat Pump with installation pack comes equipped with all the Activair Heat Pump features and most major installation components.

INCLUDES:

- 7kW & 12kW ASHP
- 170 / 250L Cylinder
- 60L Buffer
- 2x flexible hoses
- 2 x feet
- Wi-Fi control for immersion
- Glycol
- Filling loop
- 2 x Pumps





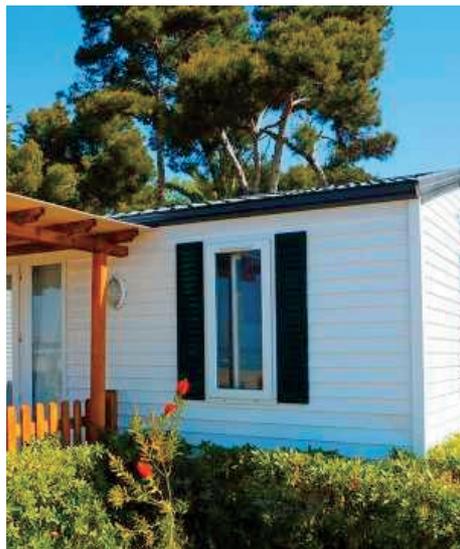
Aztec electric boilers have powered thousands of homes across the UK over the years and remain one of the most popular ranges available in the Trianco portfolio of heating products.

Designed with precision and engineered to perfection, the range is produced to a superb standard. Aztec is the preferred choice for many households that have no mains gas supply or are seeking an alternative to fuels such as oil or LPG.

Aztec boilers have minimum noise levels and efficiencies of 99.8%, they can work effectively alongside renewable technology and provide ample supply to radiators, just like any other conventional boiler.



Family homes



Holiday Homes & Caravans



Apartments & Flats

Product						Cylinder Required	Flow Rate ltrs per min	Wireless Stat App Controlled Included	Compatible with Smart Thermostat
Aztec Mini Combi (all outputs)	✓		✓	✓	✓		5	✓	✓
Aztec Maxi Combi	✓	✓	✓	✓	✓		10	✓	✓
Aztec System (all outputs)	✓	✓	✓	✓	✓	✓		✓	✓
Aztec Classic (all outputs)	✓	✓	✓	✓	✓	✓			✓
Aztec Water Heater (8kW)	✓			✓	✓		4		
Aztec Water Heater (12kW)	✓			✓	✓		5		
Aztec Instant Hot Tap				✓	✓				

Aztec Maxi Combi

Our new Aztec Maxi Combi is the ultimate space saving solution and ideal where space is at a premium.

The Aztec Maxi Combi provides both heating and hot water, removing the need for a cylinder for hot water storage saving valuable space. This compact boiler requires no extensive pipework or flue kit.

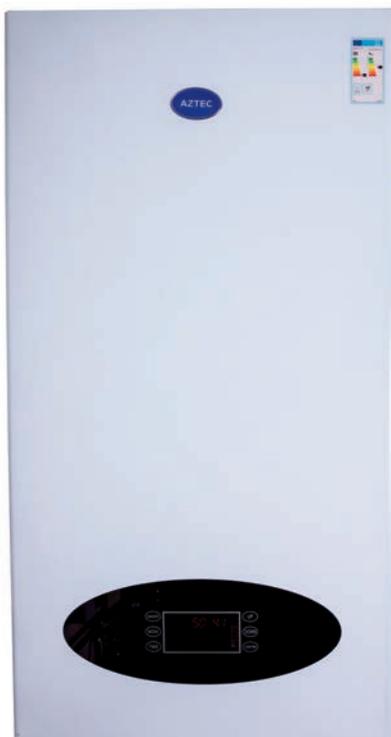
Designed for installation in a utility room or airing cupboard or will sit flush with kitchen wall cabinets

The Maxi Combi is fully controllable via supplied digital wireless programmer or via the internet using an app - on iOS devices search for 'My Smart Thermostat' in Apple Store for Android devices search for 'My Smart Thermostat' in Google Play.

Supplied with pressure reducing valve and isolation valve set.

FEATURES:

- Delivers DHW up to 10ltr per min
- No need for a cylinder
- Complete with pump, expansion vessel, automatic air vent and pressure gauge
- State of the art bespoke PCB
- No flue or fuel supply tank required
- No noxious gases
- Easy to install
- 99.8% efficient
- Virtually maintenance free
- External temperature control
- Low water pressure warning
- Resettable thermal safety cut-out
- Compatible with solar power
- 5 year warranty



Fully controllable via supplied digital programmer - control your heating from anywhere!



Aztec Mini Combi

Our new Aztec Mini Combi is ideal for compact projects such as apartments, cabins and garden rooms*. There is no need for extensive pipework or flues to outside walls and it is fully controlled via a supplied room thermostat/programmer which can be managed via an app on a mobile device.

Designed for installation in a utility room or larder cupboard or will sit alongside kitchen wall cabinets.

The Aztec Mini Combi gives immediate hot water supply, removing the need for an additional cylinder where space is at a premium.

The Mini Combi is fully controllable via supplied digital wireless programmer or via the internet using an app - on iOS devices search for 'My Smart Thermostat' in Apple Store for Android devices search for 'My Smart Thermostat' in Google Play

**subject to adequate power supply*

FEATURES:

- Complete with low energy pump, expansion vessel, automatic air vent and pressure gauge
- State of the art bespoke PCB
- Can be installed almost anywhere
- External temperature control
- No flue or fuel supply tank required
- No noxious gases
- Virtually maintenance free
- 99.8% efficient
- Low water pressure warning
- Resettable thermal safety cut-out
- Compatible with solar power
- 5 year warranty
- Controlled via app
- Digital display



Fully controllable via supplied digital programmer - control your heating from anywhere!



Aztec System

Our new Aztec System is a neat all in one, fit and forget electric boiler that packs in all the components required to create a full heating system - 8kW, 12kW & 14kW output.

Perfectly engineered, the unit incorporates ERP pump, auto air vent, 7ltr expansion vessel and pressure gauge. Ideal to easily fit alongside a cylinder

The Aztec system simplifies the install and removes the need for additional or unnecessary external plumbing or pipework

The system boiler is fully controllable via supplied digital programmer or via the internet using an app - on iOS devices search for 'My Smart Thermostat' in Apple Store for Android devices search for 'My Smart Thermostat' in Google Play (heating only)

*Fully controllable via supplied digital programmer - control your heating from anywhere!**



**Single channel controls only. Other digital controls may be required.*

FEATURES:

- Complete with pump, expansion vessel, automatic air vent and pressure gauge
- State of the art bespoke PCB
- Can be installed almost anywhere
- External temperature control
- No flue or fuel supply tank required
- No noxious gases
- Virtually maintenance free
- 99.8% efficient
- Low water pressure warning
- Resettable thermal safety cut-out
- Compatible with solar power
- 5 year warranty

Aztec Classic

Available in outputs of 6kW-12kW the Aztec Classic has furnished thousands of homes across the UK over the last decade.

Its compact, wall mounted and slim vertical design (only 164mm wide) is specifically aimed at small spaces and can even be sited in a small airing cupboard alongside a cylinder.

It can be installed in any type of property i.e. house, flat, mobile home or apartment and is particularly popular in retrofit and new build situations.

FEATURES:

- Slim design
- State of the art bespoke PCB
- Fully modulating Triac Technology
- Can be installed almost anywhere
- Outputs up to 12kW
- External temperature control
- No flue or fuel supply tank required
- No noxious gases
- Easy to install
- Virtually maintenance free
- 99.8% efficient
- Digital display
- Self diagnostic checking
- Soft switching to preserve element life and prevent interference
- Resettable thermal safety cut-out
- Compatible with solar power
- 5 year warranty



Aztec Classic Plus

Available in outputs of 6kW-12kW the Aztec Classic Plus is a modern twist on the popular Classic

Its compact, wall mounted and slim rectangular design is specifically aimed at small spaces and can even be sited in a wall cupboard.

It can be installed in any type of property i.e. house, flat, mobile home or apartment and is particularly popular in retrofit and new build situations.



FEATURES:

- Slim design
- State of the art bespoke PCB
- Fully modulating Triac Technology
- Can be installed almost anywhere
- Outputs up to 12kW
- External temperature control
- No flue or fuel supply tank required
- No noxious gases
- Easy to install
- Virtually maintenance free
- 99.8% efficient
- Digital display
- Self diagnostic checking
- Soft switching to preserve element life and prevent interference
- Resettable thermal safety cut-out
- Compatible with solar power
- 5 year warranty

Thermal Batteries

Electric PV Ready available in 150, 210 and 300 or the 210i Indirect with immersion backup.

The **Thermino ePV** is a direct cylinder alternative that delivers hot water more efficiently from solar PV. Grid electricity provides greater flexibility when needed.

PV ready heat batteries optimise self consumption of electricity generated for free. For even greater flexibility, Thermino ePV heat batteries use off peak electricity from the grid to top up the charge automatically when required.

They can also keep costs down by pre-heating water for a combi boiler or it can be used as a highly efficient stand-alone water heater to ensure instant, mains pressure hot water for all household taps and showers. Super-compact to free up valuable storage space and are the ideal replacement for traditional vented and unvented hot water cylinders and hot water only thermal stores.

The **Thermino 210i** is indirect cylinder alternative that works with boilers and comes with a standby internal electric heating element for greater flexibility.

Thermino i heat batteries are also designed to work with boilers and come complete with a back-up internal electric heating element. Thanks to best-in-class insulation, gas, oil, or LPG consumption will be reduced. Lower heat losses mean lower carbon emissions and lower energy use, to help save money and the planet too.



Aztec Instant Water Heater

Our Aztec Instant Hot Water Heaters are a simple solution when hot water is required but only a cold water supply and electricity is available.

Our small compact units with touch screen control combine 'state-of-the-art' looks with performance, available in 8 and 12kw versions. Endless constant hot water has never been easier to obtain.

FEATURES:

- Instant electric water heater
- On-demand hot water - never runs out
- Reduces water heating costs by as much as 50%
- Compact design saves space
- Unique gloss front cover, water splash proof and corrosion resistant
- Direct temperature setting, automatic thermostat, constant hot water, automatic memory function avoids repeated operation
- LED widescreen touch display screen for setting the temperature and outlet temperature. Power consumption and water consumption display
- Auto-detection fault codes displayed on screen



Infrared waves are one of the most power saving and efficient solutions for heating. Infrared heating is a clean and economical way to heat a room or even a whole house and not only is it easy to install, it is also around **30%** more efficient than standard electric heating

Infrared heating works by heating a body or object rather than warming up the surrounding air as with a normal convection system such as radiators or a fan heater.

With people increasingly looking for more efficient and cleaner ways of keeping themselves warm during cold winter nights, the popularity of infrared heating panels continues to increase.

Because infrared panels heat objects rather than the air, they generally provide warmth a good deal quicker than most convection systems.

They are cheap to buy and easy to install and can be used for particular rooms or for a whole house. Much like a flat screen TV, infrared heating panels can be simply attached to the wall of a room and there is no problem with needing to install the pipework that comes with something like gas central heating.

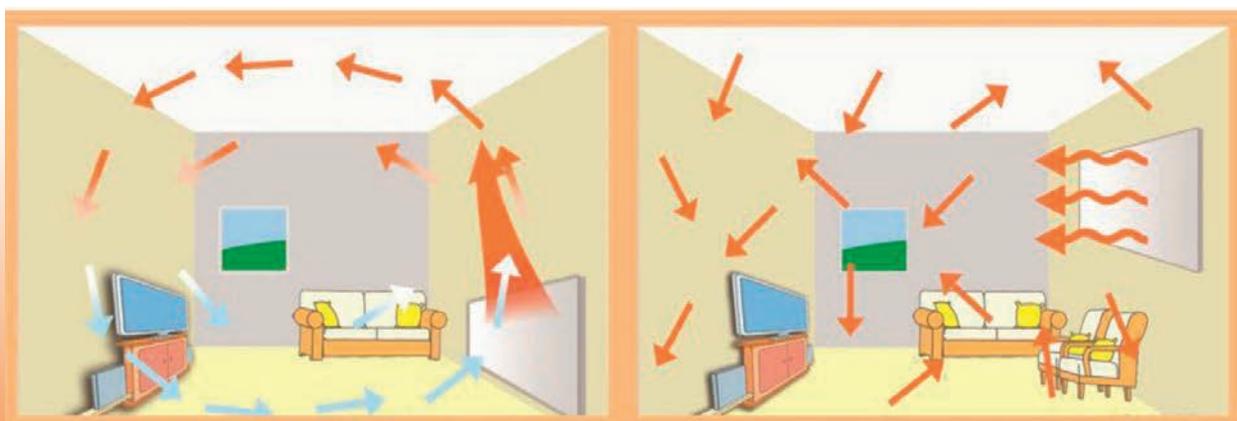
They are also lightweight and easy to move if you desire which makes them more flexible than more conventional heating systems.

Infrared heating is thought to be a lot healthier than convection systems and helps to keep damp walls dry. Our infrared panels can be regulated remotely and each panel is independently controlled making it easier to optimise the temperature of each room, further reducing costs.

Convection Heaters

VS

Infrared Heaters



Conventional radiators cause what is known as a convection current, where air circulates around the room. The hottest air bunches towards the top.

The panel bounces infrared rays all around the room, heating the objects they come into contact with, including the walls and people.

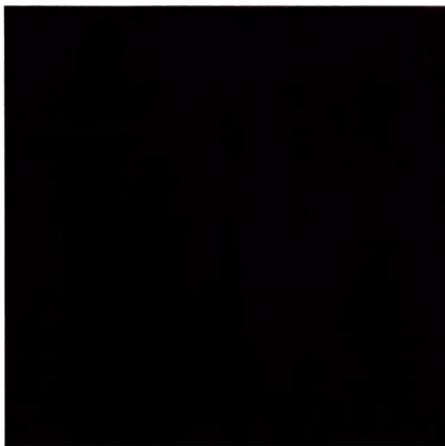
Aztec Infrared Panels

The Ceramic and Powder Coated panels are equipped with a dual-control thermostat which allows each room to be set to the desired temperature. For optimum output we recommend the panel surface temperature be set to the maximum mode of 95c , however the surface temperature of the panel can also be limited if required for safety*.

Each panel is supplied with a smart plug enabling remote activation via WiFi using a smartphone app enabling users to set each room temperature individually. The panels come with a bracket for wall mounting, but it is also possible to purchase wheels for freestanding on the floor.

The Infrared Ceramic Towel Rails are suitable for bathrooms. A WiFi fuse spur can be purchased as an additional extra for remote operation of the towel rails.

**Not available on towel rails.*



Dimensions & Specifications

	OUTPUT kW	HEIGHT (MM)	WIDTH (MM)	WEIGHT (KG)	DEPTH (MM)	CAN BE WALL HUNG	WATER CONTENT (ltr)	APP CONTROL
ACTIVAIR INDOOR HEAT PUMP	3	770	940	50	380	YES	0.56	YES
ACTIVAIR HEAT PUMP 7kW	7	770	940	78	380	YES	-	NO
ACTIVAIR HEAT PUMP 12kW	12	920	1100	91	400	YES	-	NO
ACTIVAIR HIGH TEMP HEAT PUMP 9kW	3-9	795	407	80	407	YES	-	YES
ACTIVAIR HIGH TEMP HEAT PUMP 15kW	5-15	928	458	160	458	YES	-	YES
ACTIVAIR HIGH TEMP HEAT PUMP 22kW	8-22	1330	540	202	540	YES	-	YES
SUNAMP THERMINO 150HPPV	7	640	365	139	575	NO	199	NO
SUNAMP THERMINO 210 HPPV	10.5	870	365	178	575	NO	301	NO
SUNAMP THERMINO 300 HPPV	14	1,050	365	233	575	NO	436	NO
AZTEC MAXI COMBI	8-12	950	500	50	320	YES	41	YES
AZTEC MINI COMBI	8-12	580	360	25	240	YES	0.8	YES
AZTEC SYSTEM	8-14	580	360	20	240	YES	0.8	YES
AZTEC CLASSIC -6	6	820	164	8.1	170	YES	2.1	YES

	OUTPUT kW	HEIGHT (MM)	WIDTH (MM)	WEIGHT (KG)	DEPTH (MM)	WALL HUNG	WATER CONTENT (ltr)	APP CONTROL
AZTEC CLASSIC 9, 11, 12	9-12	1070	164	10.6	170	YES	3.2	YES
AZTEC CLASSIC PLUS 6, 10, 12	6-12	530	350	12-13	160	YES	0.8	YES
SUNAMP THERMINO 150 ELECTRIC PV READY	7	640	365	139	575	NO	199	NO
SUNAMP THERMINO 210 ELECTRIC PV READY	10.5	870	365	178	575	NO	301	NO
SUNAMP THERMINO 300 ELECTRIC PV READY	14	1050	365	233	575	NO	436	NO
SUNAMP THERMINO 210i INDIRECT WITH IMMERSION BACKUP	10.5	870	365	187	575	NO	300	NO
AZTEC INSTANT WATER HEATER	8-12	390	250	4	75	YES	0.5	NO

MODEL	POWER (W)	HEATING AREA SQ.M (APPROX)	INSTALLATION	CONTROL	COLOUR	PANEL TEMP BACK/FRONT	RATIO INFRARED/ CONVECTION	DIMENSIONS (MM)	NET WEIGHT	IP PROTECTION
AZTEC INFRA P/COATED 400	400	8	Vertical or Horizontal	Thermostat & Smart App	White	40/40-95	85/15	800 x 370 x 15	6	IP33
AZTEC INFRA P/COATED 700	700	14	Vertical or Horizontal	Thermostat & Smart App	White	40/40-95	85/15	1100 x 470 x 15	10	IP33
AZTEC INFRA P/COATED 1000	1000	20	Vertical or Horizontal	Thermostat & Smart App	White	40/40-95	85/15	1200 x 570 x 15	13	IP33
AZTEC INFRA CERAMIC 500	500	10	Vertical or Horizontal	Thermostat & Smart App	White	40/40-95	85/15	603 x 603 x 17	12	IP33
AZTEC INFRA CERAMIC 550	550	11	Vertical or Horizontal	Thermostat & Smart App	White	40/40-95	85/15	903 x 453 x 17	14	IP33
AZTEC INFRA CERAMIC 1000	1000	20	Vertical or Horizontal	Thermostat & Smart App	White	40/40-95	85/15	1203 x 603 x 17	24	IP33
AZTEC INFRA CERAMIC 500	500	10	Vertical or Horizontal	Thermostat & Smart App	Black	40/40-95	85/15	603 x 603 x 17	12	IP33
AZTEC INFRA CERAMIC 1000	1000	20	Vertical or Horizontal	Thermostat & Smart App	Black	40/40-95	85/15	1203 x 603 x 17	24	IP33
AZTEC INFRA CERAMIC TOWEL 250	250	5	Vertical	On/Off Switch & Smart App	White & 2 S/Steel Rails	40/80	85/15	603 x 603 x 17	13	IP54
AZTEC INFRA CERAMIC TOWEL 300	300	6	Vertical	On/Off Switch & Smart App	White & 3 S/Steel Rails	40/80	85/15	903 x 453 x 17	15	IP54
AZTEC INFRA CERAMIC TOWEL 400	400	8	Vertical	On/Off Switch & Smart App	White & 3 S/Steel Rails	40/80	85/15	903 x 603 x 17	20	IP54



TRIANCO
BRINGING HEAT TO LIFE



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Registration no. 7321802

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Brochure production date **July 2023**.

