

# aroTHERM plus air source heat pumps



## Overview

Released in June 2020, the aroTHERM plus is Vaillant's solution for thinking about tomorrow, today. The ambitious aims of the Paris Climate Agreement can only be achieved when environmental friendliness is combined with outstanding performance.

The aroTHERM plus air-to-water heat pump provides outstanding performance, while reducing its impact on the environment by using R290, a natural refrigerant that has a Global Warming Potential of just three. It also has a higher flow temperature that means an electric immersion heater for Legionella protection isn't necessary.

Available in 3.5, 5, 7, 10, and 12kW outputs.

## Key features and benefits

- **Quiet operation**  
Sound power as low as 54 dB\* for easier planning and more flexible siting options, making it suitable for high density housing, such as terraces.  
\*based on 3.5/5kW aroTHERM plus
- **Low energy consumption**  
With the highest ErP rating of A+++ and an impressive SCOP up to 5.03, the aroTHERM plus delivers excellent energy efficiency
- **Low Global warming potential (GWP)**  
aroTHERM plus uses monobloc technology with a hermetically sealed refrigerant circuit using natural refrigerant R290 to deliver an exceptionally low GWP of just 3
- **Quality by design**  
Suitable for installations less than 150m away from the sea with salt resistant construction C5 class
- **Ability to cascade up to seven aroTHERM plus heat pumps**  
Suitable for larger domestic and commercial properties
- **Compatible with VRC 700, VRC 700f and sensoCOMFORT**



NOTE: VRC 700 / VRC 700f / sensoCOMFORT are not included with the aroTHERM plus packs - see pages 21 - 28 for details.  
For hybrid packs and prices please contact your Regional Business Manager.

aroTHERM plus with appliance interface			
Description	Article number	ErP rating A+++ to D	Term group
aroTHERM plus 3.5kW and heat pump interface	0010037211	A+++	Renewables
aroTHERM plus 5kW and heat pump interface	0010037212	A+++	Renewables
aroTHERM plus 7kW and heat pump interface	0010037213	A+++	Renewables
aroTHERM plus 10kW and heat pump interface	0010037214	A+++	Renewables
aroTHERM plus 12kW and heat pump interface	0010037215	A+++	Renewables

aroTHERM plus with hydraulic module			
Description	Article number	ErP rating A+++ to D	Term group
aroTHERM plus 3.5kW, hydraulic module and fittings	0010037206	A+++	Renewables
aroTHERM plus 5kW, hydraulic module and fittings	0010037207	A+++	Renewables
aroTHERM plus 7kW, hydraulic module and fittings	0010037208	A+++	Renewables
aroTHERM plus 10kW, hydraulic module and fittings	0010037209	A+++	Renewables
aroTHERM plus 12kW, hydraulic module and fittings	0010037210	A+++	Renewables

aroTHERM plus with uniTOWER			
Description	Article number	ErP rating A+++ to D	Term group
aroTHERM plus 3.5kW, uniTOWER free standing combined tower unit and fittings	0010037201	A+++	Renewables
aroTHERM plus 5kW, uniTOWER free standing combined tower unit and fittings	0010037202	A+++	Renewables
aroTHERM plus 7kW, uniTOWER free standing combined tower unit and fittings	0010037203	A+++	Renewables
aroTHERM plus 10kW, uniTOWER free standing combined tower unit and fittings	0010037204	A+++	Renewables
aroTHERM plus 12kW, uniTOWER free standing combined tower unit and fittings	0010037205	A+++	Renewables

aroTHERM plus hybrid system packs for use with a Vaillant boiler			
Description	Article number	ErP rating A+++ to D	Term group
aroTHERM plus 3.5kW, heat pump interface, decoupler module, VR 10 and VR 32/2	0010037934	A+++	Renewables
aroTHERM plus 5kW, heat pump interface, decoupler module, VR 10 and VR 32/2	0010037935	A+++	Renewables
aroTHERM plus 7kW, heat pump interface, decoupler module, VR 10 and VR 32/2	0010037936	A+++	Renewables
aroTHERM plus 10kW, heat pump interface, decoupler module, VR 10 and VR 32/2	0010037937	A+++	Renewables
aroTHERM plus 12kW, heat pump interface, decoupler module, VR 10 and VR 32/2	0010037938	A+++	Renewables

aroTHERM plus hybrid system packs for use with an incumbent boiler			
Description	Article number	ErP rating A+++ to D	Term group
aroTHERM plus 3.5kW, heat pump interface, decoupler module and VR 10	0010037939	A+++	Renewables
aroTHERM plus 5kW, heat pump interface, decoupler module and VR 10	0010037940	A+++	Renewables
aroTHERM plus 7kW, heat pump interface, decoupler module and VR 10	0010037941	A+++	Renewables
aroTHERM plus 10kW, heat pump interface, decoupler module and VR 10	0010037942	A+++	Renewables
aroTHERM plus 12kW, heat pump interface, decoupler module and VR 10	0010037943	A+++	Renewables

Accessories		
Description	Article number	Term group
aroTHERM connection kit for ground install	0010027971	Renewables
aroTHERM connection kit for ground install extension	0010027972	Renewables
aroTHERM connection kit for wall install	0010027974	Renewables
aroTHERM straight pipe connection kit	0010027976	Renewables
750mm flexihose for air-to-water heat pump (pair)	0020165288	Renewables
Snow Spacer	0010027984	Renewables
Wall bracket for insulated wall (Only 3.5kW, 5kW and 7kW)	0020250224	Renewables
Wall bracket for non-insulated wall (Only 3.5kW, 5kW and 7kW)	0020250225	Renewables
Anti-vibration feet large	0020250226	Renewables
Anti-vibration rubber feet (small)	0020252091	Renewables
Coding resistor active cooling	0020269259	Renewables
Discharge vessel	0020145563	Renewables
aroTHERM 45 litre buffer	0010038365	Renewables
aroTHERM heat exchanger module	0020222285	Renewables
aroTHERM inline 6kW back-up heater	0020222286	Renewables
VR 10 temperature sensor	306787	Renewables
VR 32 eBUS coupler	0020139895	Commercial
WH40 low-loss header (flow rates up to 3,000 litres per hour)	306720	Commercial
WH95 low-loss header (flow rates up to 8,000 litres per hour)	306721	Commercial
VR 32/B eBUS coupler (includes housing)	0020235465	Domestic
Ball filter valve 28mm	0010038133	Renewables
Filling pump trolley	0020145706	Renewables
Filling pump	0020166591	Renewables
Protection vessel 18 litres	0020048753	Renewables

# aroTHERM monobloc air source heat pumps



## Overview

aroTHERM is Vaillant's second generation air-to-water heat pump range, developed with the exacting standards and precision engineering you would expect from Vaillant. It has exceptionally low sound power, so it's ultra-quiet in operation without compromising on energy efficiency or performance.

Our heat pumps can be fitted as part of a hybrid system. Vaillant's proprietary smart controls will intelligently calculate the most efficient appliance in the system to use at any point in time. We are proud to offer one of the most comprehensive



## Key features and benefits

- **Four models available**  
aroTHERM 5kW, 8kW, 11kW and 15kW (230V)
- **Compatible with VRC 700, VRC 700f and sensoCOMFORT system controls**  
Provides optimum system efficiency and a system rating of ErP A+++
- **Ability to cascade up to seven aroTHERM heat pumps**  
Suitable for larger domestic and commercial properties
- **Compact size for easy siting**  
Possible to fit under a standard window (5kW, 8kW and 11kW)
- **High efficiency ErP A rated pump**  
Up to 35% more energy efficient than a standard CH pump
- **Quiet operation**  
Sound power as low as 58dB(A) (5kW) with permitted planning available as low as 3 metres
- **Blue fin coated evaporator with anti-hydro coating**  
Gives improved performance and extra protection against corrosion in coastal areas



### aroTHERM monobloc stand-alone packs

Description	Article number	ErP rating A+++ to D	Term group
aroTHERM 5kW and heat pump interface	0020257346	A++	Renewables
aroTHERM 8kW and heat pump interface	0020257347	A+++	Renewables
aroTHERM 11kW and heat pump interface	0020257348	A+	Renewables
aroTHERM 15kW and heat pump interface	0020257349	A++	Renewables

### aroTHERM hybrid system packs for use with a Vaillant boiler

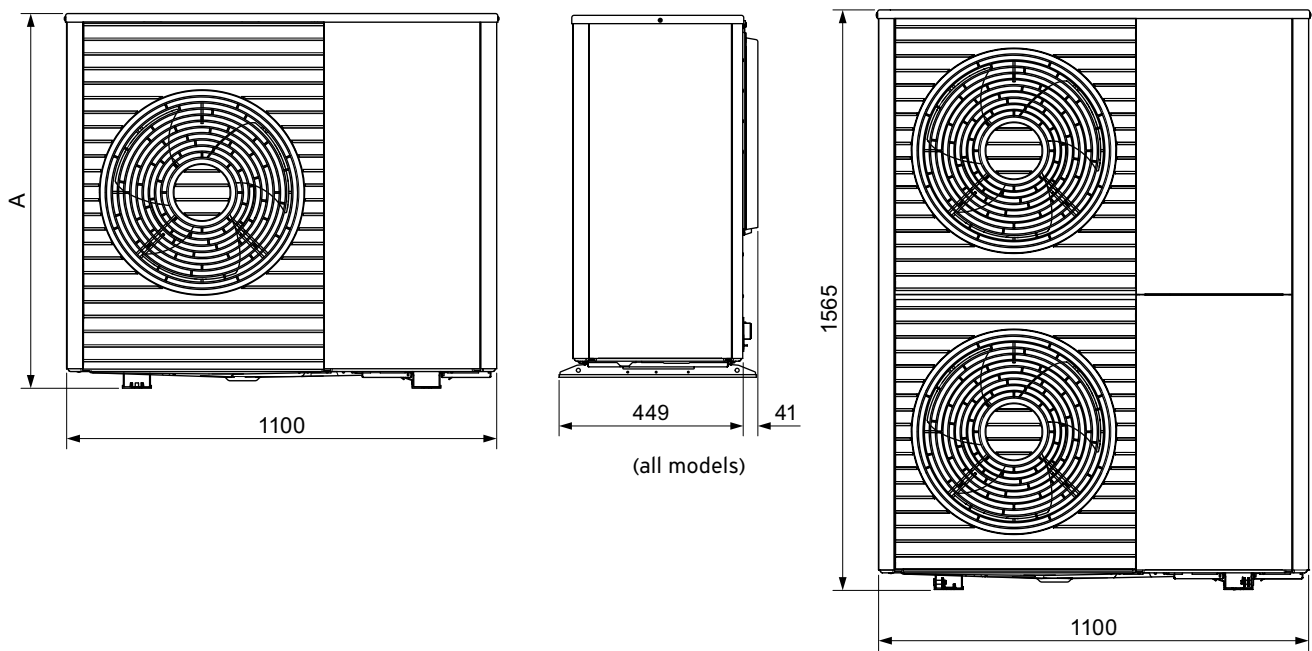
Description	Article number	ErP rating A+++ to D	Term group
aroTHERM 5kW, heat pump interface, heat exchanger module, decoupler module, VR 10 and VR 32/2	0020257350	A++	Renewables
aroTHERM 8kW, heat pump interface, heat exchanger module, decoupler module, VR 10 and VR 32/2	0020257351	A+++	Renewables
aroTHERM 11kW, heat pump interface, heat exchanger module, decoupler module, VR 10 and VR 32/2	0020257352	A+	Renewables
aroTHERM 15kW, heat pump interface, heat exchanger module, decoupler module, VR 10 and VR 32/2	0020257353	A++	Renewables

### aroTHERM hybrid system packs for use with an incumbent boiler

Description	Article number	ErP rating A+++ to D	Term group
aroTHERM 5kW, heat pump interface, heat exchanger module, decoupler module and VR 10	0020257354	A++	Renewables
aroTHERM 8kW, heat pump interface, heat exchanger module, decoupler module and VR 10	0020257355	A+++	Renewables
aroTHERM 11kW, heat pump interface, heat exchanger module, decoupler module and VR 10	0020257356	A+	Renewables
aroTHERM 15kW, heat pump interface, heat exchanger module, decoupler module and VR 10	0020257357	A++	Renewables

Accessories		
Description	Article number	Term group
aroTHERM connection kit for ground install	0010027971	Renewables
aroTHERM connection kit for ground install extension	0010027972	Renewables
aroTHERM connection kit for wall install	0010027974	Renewables
aroTHERM straight pipe connection kit	0010027976	Renewables
750mm flexihose for air-to-water heat pump (pair)	0020165288	Renewables
Snow Spacer	0010027984	Renewables
Wall bracket for insulated wall (Only 3.5kW, 5kW and 7kW)	0020250224	Renewables
Wall bracket for non-insulated wall (Only 3.5kW, 5kW and 7kW)	0020250225	Renewables
Anti-vibration feet large	0020250226	Renewables
Anti-vibration rubber feet (small)	0020252091	Renewables
Coding resistor active cooling	0020269259	Renewables
Discharge vessel	0020145563	Renewables
aroTHERM 45 litre buffer	0010038365	Renewables
aroTHERM heat exchanger module	0020222285	Renewables
aroTHERM inline 6kW back-up heater	0020222286	Renewables
VR 10 temperature sensor	306787	Renewables
VR 32 eBUS coupler	0020139895	Commercial
WH40 low-loss header (flow rates up to 3,000 litres per hour)	306720	Commercial
WH95 low-loss header (flow rates up to 8,000 litres per hour)	306721	Commercial
VR 32/B eBUS coupler (includes housing)	0020235465	Domestic
Ball filter valve 28mm	0010038133	Renewables
Filling pump trolley	0020145706	Renewables
Filling pump	0020166591	Renewables
Protection vessel 18 litres	0020048753	Renewables

## aroTHERM plus dimensions



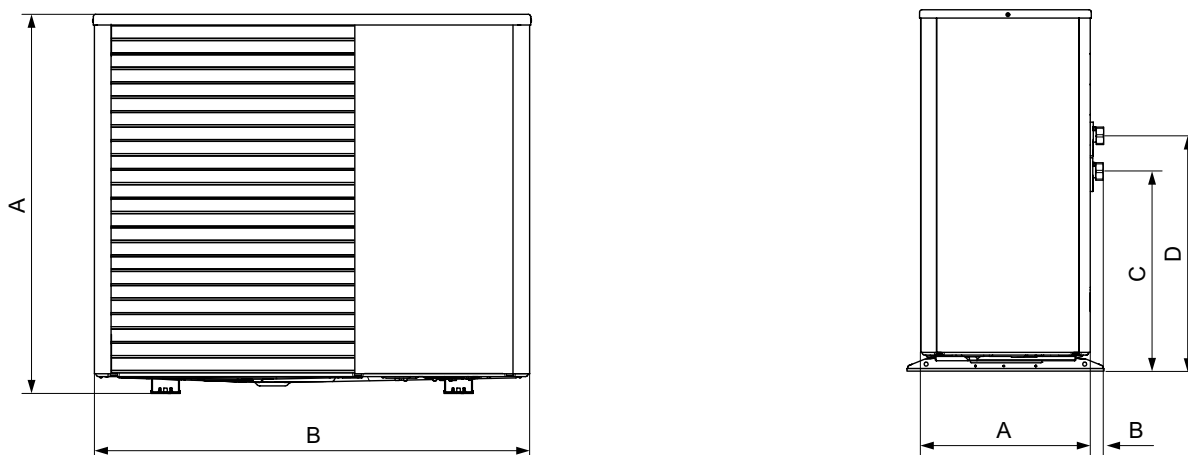
### aroTHERM plus 3.5 - 7kW

Description	A
aroTHERM plus 3.5kW	765
aroTHERM plus 5kW	765
aroTHERM plus 7kW	965

### aroTHERM plus 10 - 15kW

Description	A
aroTHERM plus 10kW	1565
aroTHERM plus 12kW	1565

## aroTHERM monobloc dimensions



### aroTHERM monobloc 5 - 15kW

Description	A	B
aroTHERM 5kW	834	980
aroTHERM 8kW	973	1103
aroTHERM 11kW	973	1103
aroTHERM 15kW	1375	1103

### aroTHERM monobloc 5 - 15kW

Description	A	B	C	D
aroTHERM 5kW	408	32	481	581
aroTHERM 8kW	463	32	481	581
aroTHERM 11kW	463	32	481	581
aroTHERM 15kW	463	32	481	581

# aroTHERM split air source heat pumps

## Overview

Available in 3.5, 5, 7, 10 and 12kW (230V) outputs at A-7/W35, the aroTHERM split is Vaillant's first split refrigerant air-to-water heat pump.

Building on the success of the aroTHERM monobloc models, aroTHERM split has a number of improvements to its design, resulting in better performance, greater efficiency and quieter operating noise.

The aroTHERM split range also features modulating heating and hot water performance, meaning the heat pump adjusts its power to maintain high efficiency, lower noise, to maintain homeowner comfort.



## Key features and benefits

- **In-house design, development, testing, and production**  
High quality products, performance and support
- **Sound Safe System**  
Low sound emissions for easier planning and siting
- **Improved transport and handling**  
Aids installation and the siting of the heat pump
- **Same footprint and connections for all outputs**  
Easier to plan and execute installations
- **A+++ energy rating with SCoP as high as 4.69\***  
High efficiency giving lower running costs and saves money with higher RHI payments  
\*at 35°C
- **Compatible with VRC 700, VRC 700f, and sensoCOMFORT system control with homeowner app**  
Quick and easy set-up with installation wizard and fully weather compensating system control
- **Pre-charged for pipe runs up to 15 metres**  
Simplifies and reduces installation time





aroTHERM split heat pumps			
Description	Article number	ErP rating A+++ to D	Term group
aroTHERM 3.5kW split**	0010031875	A+++*	Renewables
aroTHERM 5kW split**	0010031876	A+++*	Renewables
aroTHERM 7kW split**	0010031877	A+++*	Renewables
aroTHERM 10kW split**	0010031878	A+++*	Renewables
aroTHERM 12kW split**	0010031879	A+++*	Renewables

\*A+++ when used in-conjunction with the VRC 700 / VRC 700f / sensoCOMFORT controller

\*\*Includes indoor and outdoor units

Accessories		
Description	Article number	Term group
Insulated refrigerant pipes, 25m (single coil, 1/4")	0020250311	Renewables
Insulated refrigerant pipes, 25m (single coil, 1/2")	0020250312	Renewables
Insulated refrigerant pipe 25m (single coil 3/8')	0020250309	Renewables
Insulated Refrigerant pipe 25m (single coil 5/8')	0020250310	Renewables
Insulated twin refrigerant pipe 5m - 3.5 and 5kW	0020250307	Renewables
Insulated twin refrigerant pipe 10m - 3.5 and 5kW	0020250308	Renewables
Insulated twin refrigerant pipe 5m - 7, 10 and 12kW	0020250305	Renewables
Insulated twin refrigerant pipe 10m - 7, 10 and 12kW	0020250306	Renewables
SAE Calibration Tool set	0020252903	Renewables
SAE connector set 1/4" for 3.5 and 5kW pack of 10	0020252878	Renewables
SAE connector set 1/2" for 3.5 and 5kW pack of 10	0020252880	Renewables
SAE connector set 3/8" for 7 to 12kW pack of 10	0020252879	Renewables
SAE connector set 5/8" 7 to 12kW Pack of 10	0020252881	Renewables
Wall bracket for insulated wall (Only 3.5kW, 5kW and 7kW)	0020250224	Renewables
Wall bracket for non-insulated wall (Only 3.5kW, 5kW and 7kW)	0020250225	Renewables
Anti-vibration feet (large)	0020250226	Renewables
Snow spacer	0010027984	Renewables
Anti-vibration rubber feet (small)	0020252091	Renewables
Coding resistor active cooling	0020269259	Renewables
aroTHERM 45 litre buffer	0010038365	Renewables
Ball filter valve 28mm	0010038133	Renewables
Filling pump trolley	0020145706	Renewables
Filling pump	0020166591	Renewables
Protection vessel 18 litres	0020048753	Renewables