

## Why Vaillant?

because there is something in the air.



■ climaVAIR plus

■ climaVAIR exclusive

Because  **Vaillant** thinks ahead.



# Vaillant climaVAIR

## air to air heat pump systems

When it comes to creating the perfect living environment, Vaillant has it all under control. For more than 135 years, we have been setting the standards in the heating market, developing products that have revolutionised the industry. Today we are still Europe's No. 1 boiler manufacturer with an enviable reputation for performance, efficiency, quality and reliability. Staying at the top requires constant innovation which is why at Vaillant, we continually invest in developing new energy efficient technologies - all designed to create the most comfortable environment both at home and at work.

Our heat pump systems can efficiently heat the room during the winter and as an added benefit also provide cooling during the summer. This means you can enjoy a climate controlled environment all year round. Advanced filter solutions also bring good news for allergy sufferers with the air to air heat pump system cleaning the air as it circulates in the room. Plus, due to its high efficiency in heating mode, it's more environmentally friendly than many conventional heating systems.

All Vaillant climaVAIR air to air heat pumps are supplied in a predefined set, which includes the indoor and outdoor units, infra red remote control and pipe work and fittings to allow installation of the indoor unit up to 10m from the outdoor unit.

For over 10 years, Vaillant climaVAIR systems have been the preferred choice for discerning domestic and commercial customers across mainland Europe. Now available in the UK, they have been tried, tested and proven in a huge variety of applications - and because all Vaillant systems incorporate high efficiency heat pump technology to heat as well as cool, our systems offer genuine year round climate control. Furthermore, each unit has plenty of built-in convenience features representing unbeatable value.

All climaVAIR air to air heat pumps have high efficiency ratings and utilise zero ozone depleting potential (ODP) refrigerants.



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# climaVAIR plus

## V-Multi system

### V-Multi system

Vaillant's versatile climaVAIR V-Multi air to air heat pump range is a perfect solution when there is a need to heat or cool a number of rooms. Each outdoor unit can connect to up to four indoor wall mount units, providing a total heating output of 10kW.

Functions include remote setting of:

- Temperature and operating mode
- Fan speed
- Louvres
- Timer and sleep function
- Air quality settings

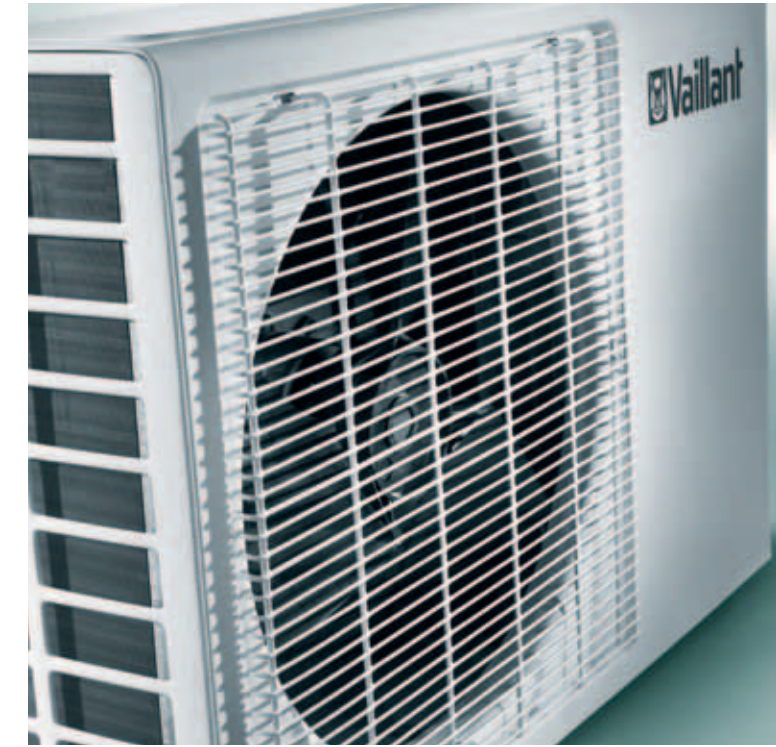
### climaVAIR plus V-Multi system

Multi inverter air to air heat pumps:

- Outdoor unit at 10kW
- 4 wall mount units from 2.9 to 3.8kW



Indoor unit



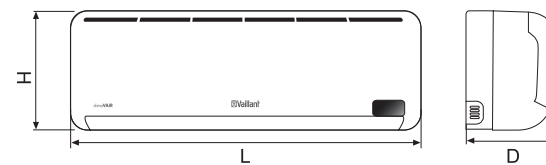
Outdoor unit



Remote control

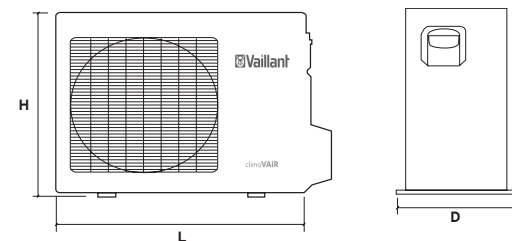
### Indoor unit dimensions: climaVAIR plus V-Multi

Model (wall mount)	H (mm)	L (mm)	D (mm)	Kg
VAI 2-025 WNI	265	790	200	8.5
VAI 2-035 WNI	265	790	200	8.5



### Outdoor unit dimensions: climaVAIR plus V-Multi

Model	H (mm)	L (mm)	D (mm)	Kg
VAF 2-085 W4NO	860	895	330	78



### All climaVAIR plus V-Multi air to air heat pumps have the following features:

<b>DC inverter technology</b> Technology which significantly reduces energy and CO <sup>2</sup> output by matching compressor speed to heating/cooling requirements.	<b>Energy class 'A++'</b> Excellent energy efficiency is achieved thanks to an energy saving technology.	<b>Infra-red remote control</b> All functions controlled by infra-red remote control.
<b>Digital Display</b> Colourful LCD Digital Display.	<b>Freeze Protection</b> Prevents the outdoor unit from freezing in the winter months.	<b>R410a</b> Energy efficient zero ozone depleting potential (ODP) refrigerant.
<b>Sleep function</b> Function which adapts the ambient temperature during sleep.	<b>24hr programmer</b> Programs the units so that they start or stop at user defined times. Clock and repeat function.	<b>Sleep function</b> Function which adapts the ambient temperature during sleep.
<b>Auto operation</b> Automatic activation in the appropriate mode (HEAT - COOL - DRY), by adjusting its operation to the ambient temperature. The user can also select the desired airflow.	<b>Anti dust filter</b> Removes small particles of dust and debris from the circulated air.	<b>Auto restart function</b> After power cut this function ensures the system restarts with the same settings (as those in force prior to power supply interruption).
<b>Ionizer</b> Negative ion generator which as well as being beneficial for well-being and the environment, also neutralises odours, provides freshness and reduces contamination.	<b>Anti-germ filter</b> Filter with special coating to neutralise bacteria and germs.	<b>Low Noise</b> After power cut this function ensures the system restarts with the same settings (as those in force prior to power supply interruption).
	<b>Activated carbon filter</b> Filter with special coating to provide anti-odour and sterilisation of the circulated air to remove harmful smells and odours.	



# climaVAIR plus

## Multi-twin system

### Multi-twin systems

Vaillant's climaVAIR plus multi heat pump range is perfect when more than one area requires heating and there is limited room for the outdoor units. The range consists of a single energy efficient inverter model of 6.4kW. The system consists of one outdoor unit which is connected to two individual indoor wall mounted units.

The multi-twin system has all the features of the climaVAIR plus wall mount mono range such as inverter speed control compressors, high efficiency non-ozone depleting R410a refrigerant, three stage filtration, remote setting of horizontal and vertical louvres. Simple to use multi-function infra red remote control provides remote setting of:

- Temperature and operating mode
- Fan speed
- Louvre position
- Timer and sleep function
- Air quality settings

### climaVAIR plus multi-twin split system

Mono inverter air to air heat pumps:

One outdoor unit with a heat output of 6.4kW

Two indoor units with heat outputs of 2.8kW and 3.4kW



Indoor units



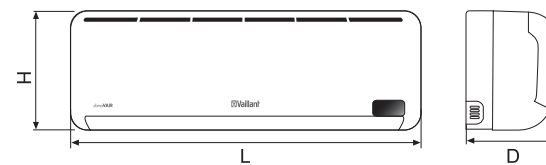
Outdoor unit



Remote controls

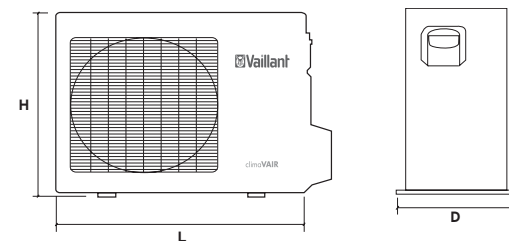
### Indoor unit dimensions: climaVAIR plus multi-twin

Model	H (mm)	L (mm)	D (mm)	Kg
VAI 2-025 WNI	265	790	200	8.5
VAI 2-035 WNI	265	790	200	8.5



### Outdoor unit dimensions: climaVAIR plus multi-twin

Model	H (mm)	L (mm)	D (mm)	Kg
VAM 2-060 W2NO	700	845	335	60.0



All climaVAIR plus multi-twin air to air heat pumps have the following features:

<p><b>DC inverter technology</b> Technology which significantly reduces energy and CO<sup>2</sup> output by matching compressor speed to heating/cooling requirements.</p>	<p><b>Energy class 'A++'</b> Excellent energy efficiency is achieved thanks to an energy saving technology.</p>	<p><b>Infra-red remote control</b> All functions controlled by infra-red remote control.</p>
<p><b>Digital Display</b> Colourful LCD Digital Display.</p>	<p><b>Freeze Protection</b> Prevents the outdoor unit from freezing in the winter months.</p>	<p><b>R410a</b> Energy efficient zero ozone depleting potential (ODP) refrigerant.</p>
<p><b>Sleep function</b> Function which adapts the ambient temperature during sleep.</p>	<p><b>24hr programmer</b> Programs the units so that they start or stop at user defined times. Clock and repeat function.</p>	<p><b>Sleep function</b> Function which adapts the ambient temperature during sleep.</p>
<p><b>Auto operation</b> Automatic activation in the appropriate mode (HEAT - COOL - DRY), by adjusting its operation to the ambient temperature. The user can also select the desired airflow.</p>	<p><b>Anti dust filter</b> Removes small particles of dust and debris from the circulated air.</p>	<p><b>Auto restart function</b> After power cut this function ensures the system restarts with the same settings (as those in force prior to power supply interruption).</p>
<p><b>Ionizer</b> Negative ion generator which as well as being beneficial for well-being and the environment, also neutralises odours, provides freshness and reduces contamination.</p>	<p><b>Anti-germ filter</b> Filter with special coating to neutralise bacteria and germs.</p>	<p><b>Low Noise</b> After power cut this function ensures the system restarts with the same settings (as those in force prior to power supply interruption).</p>
	<p><b>Activated carbon filter</b> Filter with special coating to provide anti-odour and sterilisation of the circulated air to remove harmful smells and odours.</p>	





# climaVAIR plus

## Wall mount mono split system

### High wall mono split systems

Vaillant's climaVAIR plus heat pump range is designed to complement any indoor décor. The range consists of 4 energy efficient inverter models ranging from 3.3kW to 6.85kW. These feature packed units provide three stage filtration, de-ioniser and remotely controlled air louvres to afford the user a constant stream of filtered air.

Simple to use multi-function infra red remote control is standard across the range. Features include remote setting of:

- Temperature and operating mode
- Fan speed
- Louvre position
- Timer and sleep function
- Air quality settings

### climaVAIR plus high wall mono split system models

Mono inverter air to air heat pumps:

A range of four models with heat outputs from 3.2kW to 6.0kW



Indoor unit



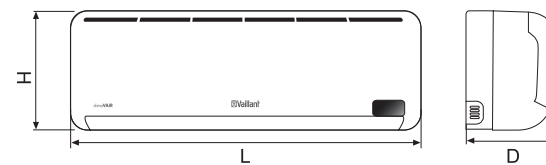
Outdoor unit



Remote control

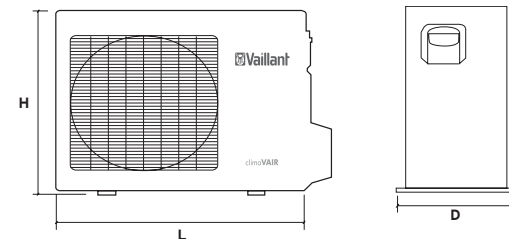
### Indoor unit dimensions: climaVAIR plus

Model	H (mm)	L (mm)	D (mm)	Kg
VAI 2 - 025 WNI	265	790	200	8.5
VAI 2 - 035 WNI	265	790	200	8.5
VAI 2 - 050 WNI	295	920	225	11.5
VAI 2 - 065 WNI	325	1,000	235	16.5



### Outdoor unit dimensions: climaVAIR plus

Model	H (mm)	L (mm)	D (mm)	Kg
VAI 2 - 025 WNO	600	760	285	38.0
VAI 2 - 035 WNO	600	760	285	38.0
VAI 2 - 050 WNO	600	760	285	39.5
VAI 2 - 065 WNO	700	845	335	52.0



### All climaVAIR plus air to air heat pumps have the following features:

<b>DC inverter technology</b> Technology which significantly reduces energy and CO <sup>2</sup> output by matching compressor speed to heating/cooling requirements.	<b>Energy class 'A++'</b> Excellent energy efficiency is achieved thanks to an energy saving technology.	<b>Infra-red remote control</b> All functions controlled by infra-red remote control.
<b>Digital Display</b> Colourful LCD Digital Display.	<b>Freeze Protection</b> Prevents the outdoor unit from freezing in the winter months.	<b>R410a</b> Energy efficient zero ozone depleting potential (ODP) refrigerant.
<b>Sleep function</b> Function which adapts the ambient temperature during sleep.	<b>24hr programmer</b> Programs the units so that they start or stop at user defined times. Clock and repeat function.	<b>Sleep function</b> Function which adapts the ambient temperature during sleep.
<b>Auto operation</b> Automatic activation in the appropriate mode (HEAT - COOL - DRY), by adjusting its operation to the ambient temperature. The user can also select the desired airflow.	<b>Anti dust filter</b> Removes small particles of dust and debris from the circulated air.	<b>Auto restart function</b> After power cut this function ensures the system restarts with the same settings (as those in force prior to power supply interruption).
<b>Ionizer</b> Negative ion generator which as well as being beneficial for well-being and the environment, also neutralises odours, provides freshness and reduces contamination.	<b>Anti-germ filter</b> Filter with special coating to neutralise bacteria and germs.	<b>Low Noise</b> After power cut this function ensures the system restarts with the same settings (as those in force prior to power supply interruption).
	<b>Activated carbon filter</b> Filter with special coating to provide anti-odour and sterilisation of the circulated air to remove harmful smells and odours.	



# climaVAIR exclusive

## Wall mount mono split system

### High wall mono split systems

Vaillant's climaVAIR exclusive heat pumps are a feature packed range for the ultimate in domestic air heating comfort.

The range consists of 3 energy efficient inverter models with outputs ranging from 3kW to 5.3kW.

As well as the three stage filtration and de-ionisation as standard, the exclusive range further enhances the air quality with an ultra violet bacteria reducing module and an optional fresh air kit.

climaVAIR exclusive's modern thin 160mm flat-fronted design with it's unique concealed vent operation offers the perfect solution for homes, offices and shops.

Simple to use multi-function infra red remote control is standard across the range and offers remote setting of:

- Temperature and operating mode
- Fan speed
- Louvre position
- Timer and sleep function
- Air quality settings

climaVAIR exclusive even has a colour changing display for easy identification of whether the heating or cooling mode has been selected.

### Indoor unit dimensions: climaVAIR exclusive

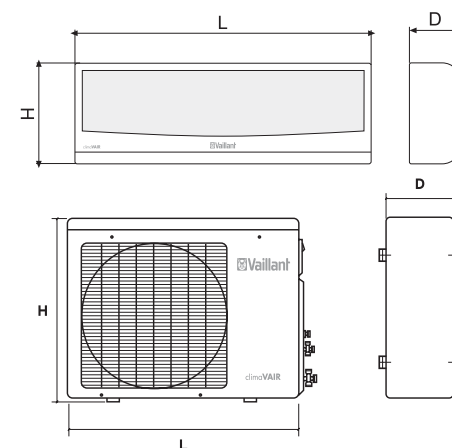
Model	H (mm)	L (mm)	D (mm)	Kg
V7 - 025 NW	285	850	160	8.6
V7 - 035 NW	285	850	160	8.6
V7 - 050 NW	285	850	160	10.0

### Outdoor unit dimensions: climaVAIR exclusive

Model	H (mm)	L (mm)	D (mm)	Kg
V7 - 025 NW	543	783	255	30
V7 - 035 NW	543	783	255	30
V7 - 050 NW	643	783 </td <td>255</td> <td>40</td>	255	40



Indoor unit



Outdoor unit



Remote control

### All climaVAIR exclusive air to air heat pumps have the following features:

<p><b>4 Modes</b> Heating, cooling, fan and dry mode.</p>	<p><b>Silent operation</b> Lowers the internal fan speed to provide reduced noise levels.</p>	<p><b>Anti-rust outdoor</b> Outdoor unit made of galvanised steel and anti-rust materials. Even resistant in environments with high saline content.</p>
<p><b>Auto operation</b> Automatic activation in the appropriate mode (HEAT - COOL - DRY), by adjusting its operation to the ambient temperature. The user can also select the desired airflow.</p>	<p><b>Turbo</b> Increases the heat pump speed when faster room heating/cooling is required.</p>	<p><b>DC inverter technology</b> Technology which significantly reduces energy and CO<sup>2</sup> output by matching compressor speed to heating/cooling requirements</p>
<p><b>Ionizer</b> Negative ion generator which as well as being beneficial for well-being and the environment, also neutralises odours, provides freshness and reduces contamination.</p>	<p><b>Horizontal air swing</b> Enables the air direction to be adjusted horizontally for improved distribution.</p>	<p><b>R410a</b> Energy efficient zero ozone depleting potential (ODP) refrigerant.</p>
<p><b>Infra-red remote control</b> All functions controlled by infra-red remote control.</p>	<p><b>Vertical air swing</b> Enables the air direction to be adjusted vertically for improved distribution.</p>	<p><b>Twin rotary</b> Twin rotating cylinders provide improved efficiency and reduced vibration in comparison with single types.</p>
<p><b>Hot start function</b> Only starts the internal fan when the heating coil is hot to prevent cool air discharge.</p>	<p><b>Sleep function</b> Function which adapts the ambient temperature during sleep.</p>	<p><b>Anti dust filter</b> Removes small particles of dust and debris from the circulated air.</p>
<p><b>Fresh air option</b> Fresh air introduction feature. Transfers the fresh air from the outside to inside via an in-built heat exchanger for maximum efficiency.</p>	<p><b>24hr programmer</b> Programs the units so that they start or stop at user defined times.</p>	<p><b>Anti-germ filter</b> Filter with special coating to neutralise bacteria and germs.</p>
<p><b>Auto restart function</b> After power cut this function ensures the system restarts with the same settings (as those in force prior to power supply interruption).</p>	<p><b>Outdoor valve protector</b> Protects the valves on the outdoor unit from exposure to the elements.</p>	<p><b>Activated carbon filter</b> Filter with special coating to provide anti-odour and sterilisation of the circulated air to remove harmful smells and odours.</p>
	<p><b>Energy class 'A'</b> Many unit combinations achieve 'A' rated energy efficiency.</p>	<p><b>Ultra-Violet</b> Lamp emitting UV-C rays which kill micro-organisms and mould spores.</p>
	<p><b>Defrost</b> Prevents the outdoor unit from freezing in the winter months.</p>	



# Customer service support

## contact details

### Working in partnership

The after sales service and support behind every Vaillant product has helped us build a reputation for quality and reliability within the industry. It is an approach that is reflected in our support for our heat pump systems. We are committed to working in partnership with our installers, offering the very best industry support and training to develop the heat pump market.

### Vaillant support team

Our dedicated team is on-hand to offer technical support. We are here to help with product familiarisation and to tackle any other issues that arise in relation to our air to air heat pumps.

### High quality training

Please contact our training team to register your interest in attending a Vaillant air to air heat pump training course.

### For more information contact:

#### Head Office

Vaillant Ltd, Vaillant House, Trident Close, Rochester,  
Kent ME2 4EZ

Telephone

01634 292300

E-mail

info@vaillant.co.uk

#### Sales

Telephone

01634 292310

Fax

01634 712804

E-mail

sales@vaillant.co.uk

#### Technical, design, commissioning and service support

Telephone

0870 8503071

Fax

01773 525946

E-mail

aftersales@vaillant.co.uk

#### Training

Telephone

01634 292370

Fax

01634 292354

E-mail

training@vaillant.co.uk

Website

www.vaillant.co.uk



Setting the standard for

# customer training



State of the art Vaillant Training Centre in Bristol

As the industry's leading training provider, Vaillant offer comprehensive training courses which can add value to your business.

Every year we train thousands of professionals. We are continually developing and improving our training programmes and facilities to provide a service that matches your requirements.

Every one of Vaillant's training courses is based on practical and detailed hands-on experience, backed up by expert tuition.

The aim of each Vaillant Training Course is to help improve your skills, which in turn can help you to improve your profit. That's why so many choose Vaillant as their training provider.

Who are Vaillant training courses designed for?

- Gas Safe Registered Installers (UK & Isle of Man)
- CORGI Registered Installers (Northern Ireland)
- IPHE Registered Installers
- SNIPEF Registered Installers
- Local Authorities and Housing Associations
- Service Organisations
- Architects and Specifiers
- Merchants and Spare Part Stockists
- Solar DHW installers
- Commercial boiler heating installers

## Current training courses

### ecoTEC High efficiency domestic boiler range

A one day course covering our latest range of condensing boilers, including installation, operation, servicing and repair.

### Commercial boiler range

A one day course covering commercial installation, operation, servicing and repair.

### BPEC Unvented domestic hot water

Three courses are available to suit all candidates wanting to take this assessment.

### Unvented domestic hot water initial assessment

A one day BPEC certificated course comprising of a theory training session in the morning followed by assessment in the afternoon.

### Unvented domestic hot water reassessment

A half day course comprising of a brief update tutorial followed by the BPEC re-assessment examination paper. Please note to be eligible for this assessment all candidates must already hold a certificate of competence for unvented domestic hot water (expired or current), and will be required to present it prior to the assessment.

### Unvented domestic hot water defined scope assessment

A one day defined scope BPEC certificated course for those wanting a better understanding of unvented domestic hot water systems, but not intending to install them. Please note this course does not qualify you to install unvented domestic hot water systems in accordance with part G3 of the Building Regulations.

### Solar product course

A one day course for heating professionals wanting to get a basic understanding of solar domestic heating systems.

### BPEC Solar DHW course

A two day course for heating professionals looking to gain solar heating BPEC certification.

### BPEC Solar DHW course

A two day defined scope BPEC certificated course for those wanting a better understanding of solar domestic hot water systems, but not intending to install them.

### Air to air appreciation course

A one day course designed for installers who wish to expand their knowledge of air to air heat pumps.

### Ground Source Heat Pump (GSHP) course

A one day product course looking at the geoTHERM range of ground source heat pumps. The day will cover installation, operation, service and repair.

### BPEC Ground Source Heat Pump (GSHP) course

A two day BPEC certificated course for professionals seeking a GSHP qualification.

### Mechanical Ventilation Heat Recovery (MVHR)

A one day product course looking at the recoVAIR range of mechanical ventilation heat recovery units. The day will cover installation, operation, service and repair.

### FGas Regulations course

Three day training course leading to the Construction Skills assessment on the FGas Regulations.

### Domestic controls training

A one day course designed to give you the best knowledge and expertise with our range of controls and accessories.

### Certificate in Energy Efficiency for Domestic Heating

A one day course to help you promote the benefits of high efficiency boilers to your customers.

### BPEC CPA 1 Combustion Analyser Assessment

From 1<sup>st</sup> February 2010, CPA1 will be a pre-requisite for anyone wishing to take ACS elements CEN1 and HTR1. We offer a one day BPEC certificated course for those proficient in the use of a combustion analyser. The day comprises of an update tutorial in the morning followed by assessment in the afternoon. If you would like to receive additional training on flue gas analysis or would just like the opportunity to practice with your own analyser, please contact us for further details.

### Tailor-made courses

The Vaillant training department creates custom made programmes to suit your company's individual training needs.

### For more information on any Vaillant training course

please contact our Training Department on:

Telephone: 01634 292370 Fax: 01634 292354

Email: [training@vaillant.co.uk](mailto:training@vaillant.co.uk)

[www.vaillant.co.uk/installers/training](http://www.vaillant.co.uk/installers/training)





## climaVAIR plus V-Multi

## Technical specification

System reference		climaVAIR plus V-Multi system	
		VAM 2-110 W4N	
Indoor Unit 1&2		VAI 2-025 WNI & VAI 2-025 WNI	
Indoor Unit 3(&4)		VAI 2-025 WNI & VAI 2-035 WNI	
Outdoor Unit		VAF 2-085 W4NO	
Power supply	V.Ph.Hz	230/1/50	
Heating capacity	kW	10.10	
	BTU	34,469	
Capacity by indoor 1&2&3(&4)	kW	2.38 & 2.38 & 2.38 & 2.96	
Min-max heating capacity	kW	4.13-12.30	
Power input	kW	2.78	
COP		3.63	
Energy level class		A	
Cooling capacity	KW	9.10	
	BTU	31,056	
Capacity by indoor 1&2&3(&4)	kW	2.15 & 2.15 & 2.15 & 2.65	
Min-max cooling capacity	kW	3.73 - 11.09	
Power input	kW	2.78	
EER		3.63	
Energy level class		A	
Air flow volume IU 1&2&3(&4)	m3/h	250/300/500 & 250/300/500 & 250/300/500 & 310/450/580	
Catalogue sound pressure IU 1&2&3(&4) <sup>1</sup>	dB(A)	26/32/38 & 26/32/38 & 26/32/38 & 28/35/40	
Catalogue sound pressure OU <sup>2</sup>	dB(A)	57	
Compressor type		Rotary	
Expansion system		EXV + Capillary	
Installation			
Pipe connection liq/gas iU 1&2 (& 3&4)	inches	1/4"-3/8" & 1/4"-3/8" & 1/4"-3/8" & 1/4"/3/8"	
Pipe connection liq/gas OU	inches	1/4"-3/8" & 1/4"-3/8" & 1/4"-3/8" & 1/4"/3/8"	
Max. pipe length	m	60	
Max. height IU under OU	m	10	
Max. height OU under IU	m	10	
Refrigerant type		R410A	
Refrigerant charge	gr	2,400	
Additional charge per metre	gr	15g	

<sup>1</sup> Sound pressure level IU: directivity 3 dB(A) distance 2.2m.

<sup>2</sup> Sound pressure level OU: directivity 3 dB(A) distance 1.8m.

Nominal cooling capacities based on indoor temperatures of 27°CDB/19°CWB -- outdoor temperatures 35°CDB/24°CWB.

## climaVAIR plus multi-twin

## Technical specification

System reference		climaVAIR plus multi-twin system	
		VAM 2-060 W2N	
Indoor Unit 1&2		VAI 2-025 WNI & VAI 2-035 WNI	
Outdoor Unit		VAF 2-060 W2NO	
Power supply	V.Ph.Hz	230/1/50	
Heating capacity	kW	6.25	
	BTU	18,429	
Capacity by indoor 1&2	kW	2.82 & 3.43	
Min-max heating capacity	kW	2.64-7.60	
Power input	kW	1.73	
COP		3.61	
Energy level class		A	
Cooling capacity by indoor 1&2	kW	2.42 & 2.98	
Min-max cooling capacity	kW	2.27-6.53	
Power input	kW	1.73	
EER		3.25	
Energy level class		A	
Air flow volume IU 1&2	m3/h	250/300/500 & 310/450/580	
Catalogue sound pressure IU 1&2 <sup>1</sup>	dB(A)	26/32/38 & 28/35/40	
Catalogue sound pressure OU <sup>2</sup>	dB(A)	52	
Compressor type		Rotary	
Expansion system		EXV + Capillary	
Installation			
Pipe connection liq/gas IU 1&2 (& 3&4)	inches	1/4"-3/8" & 1/4"-3/8"	
Pipe connection liq/gas OU	inches	1/4"-3/8" & 1/4"-3/8"	
Max. pipe length	m	30	
Max. height IU under OU	m	10	
Max. height OU under IU	m	10	
Refrigerant type		R410A	
Refrigerant charge	gr	1,450	
Additional charge per metre	gr	20g	

<sup>1</sup> Sound pressure level IU: directivity 3 dB(A) distance 2.2m.

<sup>2</sup> Sound pressure level OU: directivity 3 dB(A) distance 1.8m.

Nominal cooling capacities based on indoor temperatures of 27°CDB/19°CWB -- outdoor temperatures 35°CDB/24°CWB.





## climaVAIR plus wall mount

# Technical specification

System reference		climaVAIR plus high wall mono split system			
		VAI 2-025 WN	VAI 2-035 WN	VAI 2-050 WN	VAI 2-065 WN
Heating capacity	kW	2.90	3.80	5.10	7.30
(Min-max)	kW				
Cooling capacity	kW	2.60	3.50	5.00	6.70
(Min-max)	kW				
Power input heating/cooling	kW	0.65	0.97	1.55	2.09
Operating current heating/cooling	A	2.90/3.00	4.30/4.20	6.90/6.40	9.40/9.10
EER/COP		4.00/4.26	3.61/3.84	3.23/3.62	3.21/3.26
Energy level class		A	A	A	A
Annual consumption <sup>1</sup>	kWh	325	485	775	1045
Indoor unit		VAI 2-025 WNI	VAI 2-035 WNI	VAI 2-050 WNI	VAI 2-065 WNI
Air flow volume high/med/low	m <sup>3</sup> /h	250/300/500	310/450/580	570/800/850	820/980/1080
Remote control		Infra-red	Infra-red	Infra-red	Infra-red
Sound pressure level (min/max) <sup>2</sup>	dB(A)	28/33/39	29/35/40	37/40/44	41/45/48
Dimensions HxLxD	mm	265/790/200	265/790/200	295/920/225	325/1,000/235
Weight	Kg	8.5	8.5	11.5	16.5
Outdoor unit		VAI 2-025 WNO	VAI 2-035 WNO	VAI 2-050 WNO	VAI 2-065 WNO
Air flow volume	m <sup>3</sup> /h	1060/1800	1060/1800	1360/2200	2000/2700
Sound pressure level <sup>3</sup>	dB(A)	60	62	64	66
Refrigerant		R410a	R410a	R410a	R410a
Refrigerant charge heat pump	gr	1100	1100	1180	1950
Compressor type		DC inverter twin rotary	DC inverter twin rotary	DC inverter twin rotary	DC inverter twin rotary
Dimensions HxLxD	mm	600/760/285	600/760/285	600/760/285	700/845/335
Weight	Kg	38	38	39.5	52
Installation					
Power supply	V/Ph/Hz	240/1/50	240/1/50	240/1/50	240/1/50
Max. operating current	A	7	9	12	15
Recommended fuse size (Type D)	A	10	10	16	20
Interconnecting cores (indoor to outdoor)		3 core + earth	3 core + earth	3 core + earth	4 core + earth
Supply to:		Indoor	Indoor	Indoor	Indoor
Pipe connection liquid/gas in		1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
Max. piping length	m	20	20	25	25
Max. height differential indoor to outdoor	m	10	10	10	10
Chargeless length	m	7.5	7.5	7.5	7.5
Additional charge per metre	gr	20g	20g	20g	20g

<sup>1</sup> Actual ratings dependent on system components.

<sup>2</sup> Sound pressure level indoor unit: directivity 3 dB(A) distance 2.2m.

<sup>3</sup> Sound pressure level external unit: directivity 3 dB(A) distance 1.8m.

Nominal cooling capacities based on indoor temperatures of 27°CDB/19°CWB -- outdoor temperatures 35°CDB/24°CWB.

## climaVAIR exclusive wall mount

# Technical specification

System reference		climaVAIR exclusive high wall mono split system		
		V7 - 025 NW	V7 - 035 NW	V7 - 050 NW
Heating capacity	kW	3.03	3.98	5.32
(Min-max)	kW	1.00-3.80	0.70-4.80	1.20-6.00
Cooling capacity	kW	2.53	3.43	4.60
(Min-max)	kW	0.95-3.10	0.60-3.92	1.05-5.20
Power input heating/cooling	kW	0.75/0.74	1.10/1.07	1.65/1.53
Operating current heating/cooling	A	4.50/4.50	4.70/4.80	7.70/7.06
EER/COP		3.40/4.03	3.21/3.63	3.00/3.22
Energy level class		A/A	A/A	B/C
Annual consumption <sup>1</sup>	kWh	372	534	766
Indoor unit		V7 - 025 NHI	V7 - 035 NHI	V7 - 050 NHI
Air flow volume high/med/low	m <sup>3</sup> /h	350/320/280	450/410/360	500/460/420
Remote control		Infra-red	Infra-red	Infra-red
Sound pressure level (min/max) <sup>2</sup>	dB(A)	32/43	32/43	36/45
Dimensions HxLxD	mm	285x850x160	285x850x160	285x850x160
Weight	Kg	10	10	10
Outdoor unit		V7 - 025 NHO	V7 - 035 NHO	V7 - 050 NHO
Air flow volume	m <sup>3</sup> /h	1,800	2,100	1,800
Sound pressure level <sup>3</sup>	dB(A)	50	50	46
Refrigerant		R410a	R410a	R410a
Refrigerant charge heat pump	gr	700	1,000	1,350
Compressor type		DC inverter twin rotary	DC inverter twin rotary	DC inverter scroll
Dimensions HxLxD	mm	545x780x245	545x780x245	643x783x255
Weight	Kg	30	30	40
Installation				
Power supply	V/Ph/Hz	220/1/50	220/1/50	220/1/50
Max. operating current	A	6.70	8.00	8.90
Recommended fuse size (Type D)	A	10	10	16
Interconnecting cores (indoor to outdoor)		3 core + earth	3 core + earth	3 core + earth
Supply to:		Indoor	Indoor	Indoor
Pipe connection liquid/gas	in	1/4-3/8	1/4-3/8	1/4-1/2
Max. piping length	m	15	15	15
Max. height differential indoor to outdoor	m	10	10	10
Chargeless length	m	5	5	5
Additional charge per metre	gr	20g	20g	20g

<sup>1</sup> Based on 500 hours operating at maximum load.

<sup>2</sup> Sound pressure level IU: directivity 3 dB(A) distance 2.2m.

<sup>3</sup> Sound pressure level OU: directivity 3 dB(A) distance 1.8m.

Nominal cooling capacities based on indoor temperatures of 27°CDB/19°CWB -- outdoor temperatures 35°CDB/24°CWB.



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