

ClimaAir



Merriott



Contents

Introduction	04
Range Overview	05
Range Options:	
CA VS - Surface Mounted Models	07
CA VSI - Recessed Models	08
Controls	10
Optimised Comfort Control	12
Technical Details	13
Product Dimensions & Weights:	
CA VS - Surface Mounted Models	14
CA VSI - Recessed Models	16
Outputs:	
CA VS - Surface Mounted Models	15
CA VSI - Recessed Models	17
Accessories	19
Product Showcase	23



An intelligent solution to optimise indoor comfort

ClimaAir fan convectors are designed to seamlessly blend into any environment with their attractive, slimline design; they provide complete interior design flexibility with in-wall, on-wall and ceiling installation options. ClimaAir caters to a wide range of settings, including commercial and residential environments such as retail stores, office spaces, meeting rooms, hotels, and care settings. With its exceptional performance and comfort, ClimaAir is well-suited for both new build and renovation projects.

Ideal for low-temperature systems, ClimaAir offers an energy-efficient way to maintain the perfect ambience throughout the year. When combined with a reverse cycle heat pump or a separate cooling source, ClimaAir can offer both heating and cooling functions ensuring warmth in chilly winters and refreshing coolness during hot summers. Due to its low water

content, ClimaAir has rapid heating response times, providing high heating performance whilst operating at low water temperatures resulting in significant energy savings.

ClimaAir is an innovative solution for heating and cooling. Thanks to its intelligent and highly accurate controls it provides optimal comfort all year round, ClimaAir can be integrated into

modern building management systems and can be controlled centrally. It is equipped with a highly-efficient DC motor with controllable performance and fan speed. Advanced motor technology ensures whisper-quiet operation. ClimaAir has been designed to reduce noise levels as far as possible and to make installation as simple as can be.

Range Overview

ClimaAir can operate at flow temperature's as low as 30°C for heating and below 20°C for cooling. There are a range of accessories available to suit your user needs such as: air flow ducts, ceiling mounting and various control options.

ClimaAir is available in a range of different models:

CA VS - SURFACE MOUNTED MODELS:



- > Can be mounted vertically on the wall or horizontally on the ceiling
- > Available in 735, 935, 1135, 1335, and 1535mm lengths
- > Available in 576mm (2-pipe) and 636mm (4-pipe) versions
- > Control Options:
 - > Integrated Control
 - > Remote Control*
 - > 0-10V DC Control Board: BMS Input or 0-10V remote control compatibility

CA VSI - RECESSED MODELS:



- > Can be installed vertically in a recessed wall or horizontally in a recessed ceiling
- > Available in 525, 725, 925, 1125, and 1325mm lengths
- > Available in 579mm (2-pipe) and 639mm (4-pipe) versions
- > Control Options:
 - > Remote Control*
 - > 0-10V DC Control Board: BMS Input or 0-10V remote control compatibility

WARRANTY:

2 year guarantee from date of purchase against manufacturing defects.

FINISH:

The casing is finished in white (RAL 9003) powder coating.

MOUNTING:

ClimaAir offers many installation options such as in-wall, on-wall and ceiling mounting.

This unit must not be installed in a bathroom, in damp areas or places with possible contact with water.

CONNECTIONS:

Eurocone 3/4, supply/return piping is on the left side of the unit as standard. Right side connections are also available.

*Remote Control not included with model **RC**.

For accessories ***** see pages 19 - 21 for details.



Range Options

CA VS - Surface Mounted Models (Accessories sold separately)

Wall Mounted



- Assembly is to be carried out using the supplied fixings

Ceiling Mounted



- Assembly is to be carried out using the supplied fixings
- Horizontally mounted units using the cooling function require a condensate collector tray **C**
- Ceiling mounted units are available as either a Remote Control model or 0-10V model

Wall Mounted with Optional Pipe Covers



- Assembly is to be carried out using the supplied fixings
- The optional decorative pipe covers (non weight-bearing), conceal the connections from the floor **A**

Floor Mounted




- Floor mounting feet, that anchor ClimaAir to the ground and conceal connections from the floor **B**
- When installing in front of windows, a corresponding rear metal cover must be used **D**

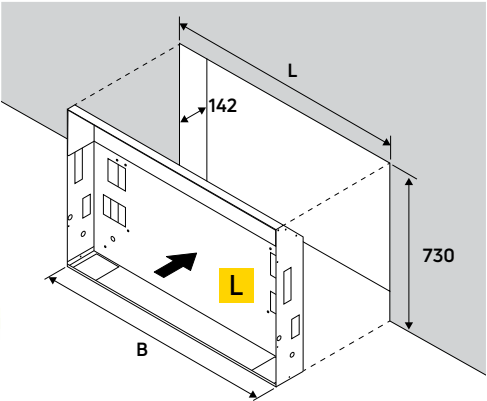
Range Options

CA VSI - Recessed Models (Accessories sold separately)

Recessed Wall Installation

When installing the ClimaAir in a recessed wall, a metal casing **L** is required to house the ClimaAir and a vertical face cover **M** for the front.





Model	Metal Casing Dimensions (mm)			Wall Cut-Out Dimensions (mm)		
	Height	Width (B)	Depth	Height	Width (L)	Depth
CA VSI 7	725	715	142	730	740	142
CA VSI 9		915			940	
CA VSI 11		1115			1140	
CA VSI 13		1315			1340	
CA VSI 15		1515			1540	



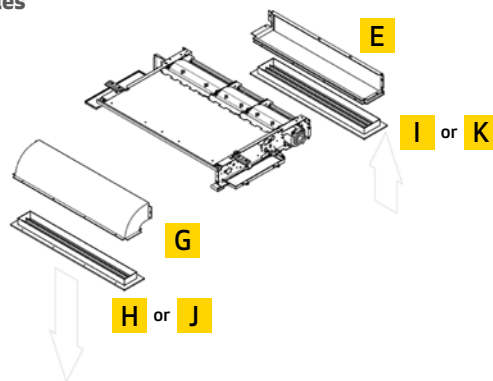
Ceiling Recessed Options

1

Installing from a suspended ceiling with both air intake and outlet on bottom



Accessories Required

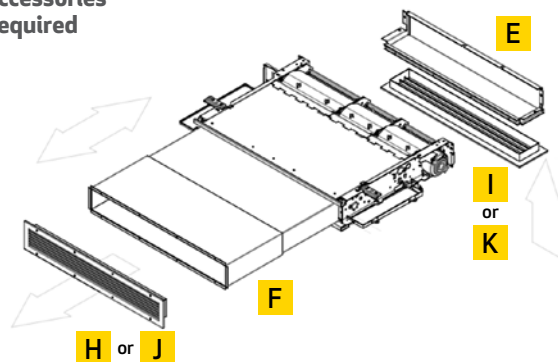


2

Installing from a suspended ceiling with suction from bottom and horizontal air outlet

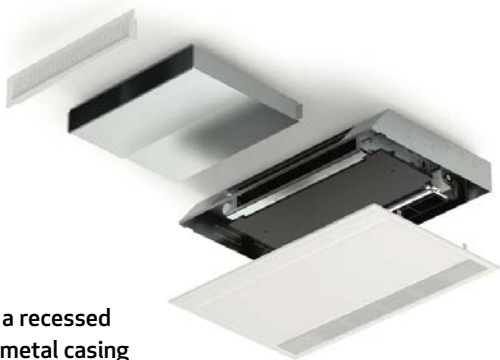


Accessories Required

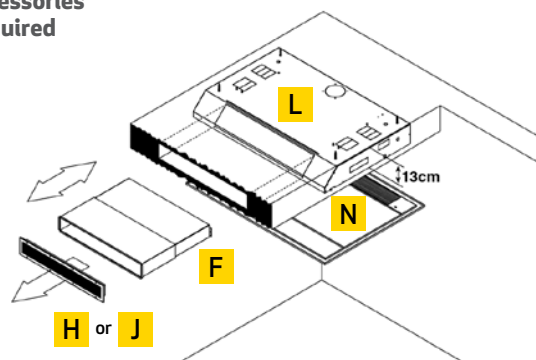


3

Installing in a recessed ceiling with metal casing

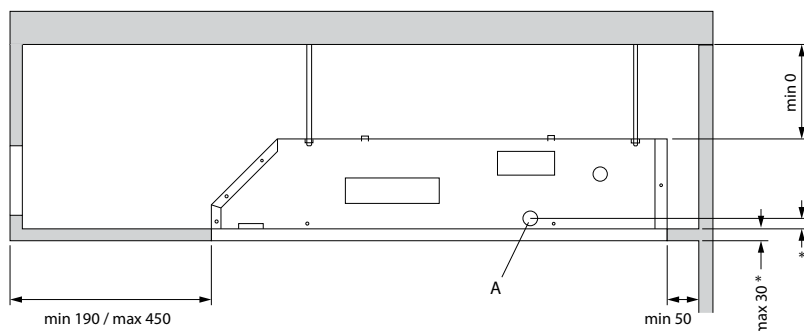


Accessories Required



Notes: The air inlet grilles and air outlet grilles can only be attached to the corresponding air ducts (**E** , **F** and **G**) and not directly to the device!
F is a variable length air duct to be used when the air outlet needs to be sited away from the unit. Min 302mm - Max 590mm.

When using the unit for cooling, the following must be considered:



Notes: The metal housing for installation **L** can be installed directly under the ceiling or suspended!

If the ClimaAir is used for room cooling, the false ceiling must be located completely below the metal housing so that the condensation water connection (hole A) has a sufficient incline!

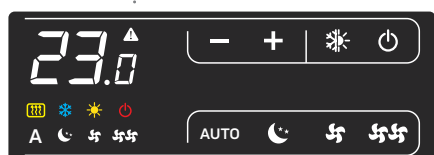
For accessories ***** see pages 19 - 21 for details.

Range Options

Controls

Integrated Control

It regulates the functions of the unit with little input required from the user. Fan speeds modulate according to demand and no manual setting is required.



THE INTEGRATED CONTROL COMES WITH DIFFERENT CONTROL FUNCTIONS:

- > **AUTO** - Determines the automatic adjustment of the fan speed as a function of the difference between room temperature and set temperature
- > **NIGHT** - Fan speed is limited to a set level and the set temperature is adjusted automatically, reduced in heating mode and increased in cooling mode
- > **SILENT** - Fan speed is limited to achieve lower sound levels
- > **MAXIMUM FAN SPEED** - Allow a rapid achievement of the desired temperature conditions by activating the maximum possible power level

The Integrated Control comes with a standby function which will automatically put the ClimaAir into anti-freeze protection mode, it will operate as soon as the ambient temperature drops below 5°C.

The Integrated Control comes with a memory function which means that if it is switched off or there is a power cut, no settings will be lost. It also has adjustable brightness settings.

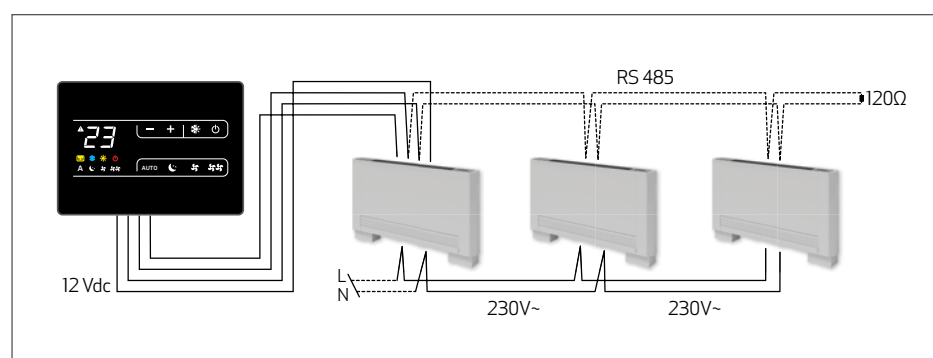
ClimaAir is easily controlled using the Integrated Control, the temperature can be changed using the +/- buttons, changing the set temperature by 0.5°C at a time. The function of the fan can be changed from Cooling to Heating in the press of one button.

The keypad is lockable on the Integrated Control to prevent unintentional operation, a favourable function in public spaces, children's rooms or guest accommodation.

Note: It is not possible to control other units with the Integrated Control.

Remote Control*

The Remote Control option offers the same functionality as the Integrated Control Option (Auto, Night, Silent, Maximum Fan Speed).



With this control option, up to 30 Fan Convectors can be managed using a single Remote Control. This option is designed for commercial applications such as conference rooms, reception areas, businesses and hotel rooms where several fan convectors can be managed using a single Remote Control.

The connection to the ClimaAir is made using an RS485 Data Cable (not included).

The Remote Control **RC** is available in Black and White*.

Note: The unit has an on-board sensor to control the cooling function. However some room configurations mean the Remote Control option will offer more effective cooling performance. We therefore recommend that in installations where cooling is a main feature, the Remote Control Model is used rather than the Integrated Control.

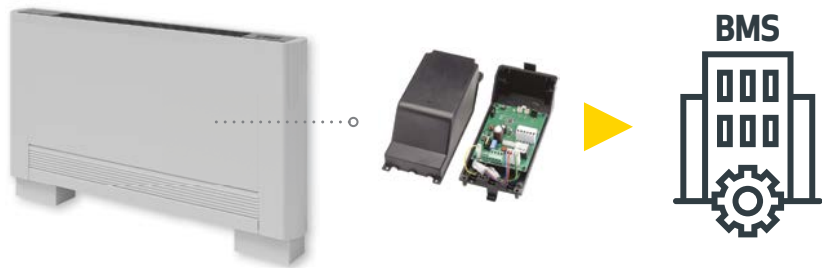
*Not included with Remote Control ClimaAir - to be ordered separately.

0-10V DC Control Board

ClimaAir is available with a 0-10V DC control board option which allows the unit to be controlled centrally from a BMS system using a 0-10V analogue input.

This model allows control using the building's own BMS system or the use of a suitable external thermostat. The fan speed is controlled using a 0-10V external DC signal.

1 0-10V for Building Management System



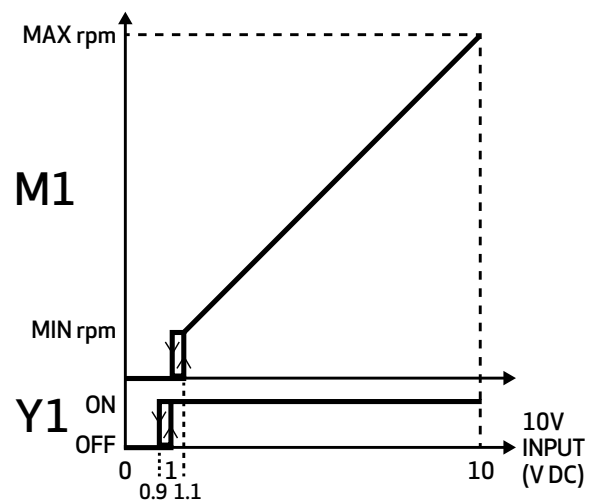
2 Control Option via 0-10V Remote Thermostat



For units with 0-10V fan speed modulation, motor regulation can be made using an analogue 0-10V DC input with 25k Ω impedance.

The speed curve shows linear regulation from the minimum value (400rpm) to the maximum value (1,400rpm) for voltage values ≥ 1.1 V to 10V DC. The motor is off when values are lower than 1V DC.

Output Feature



Optimised Comfort Control

Heating and Cooling Options

ClimaAir can be used to enhance indoor comfort during all weather conditions and in a variety of situations due to their heating and cooling operational options.

2-Pipe Model

A system using 2-pipe ClimaAirs can normally be used for either heating or cooling. For heating purposes, the ClimaAirs in a system all need to be connected to a heat source, i.e. boiler or heat pump, and for cooling operation they have to be connected to a chiller.

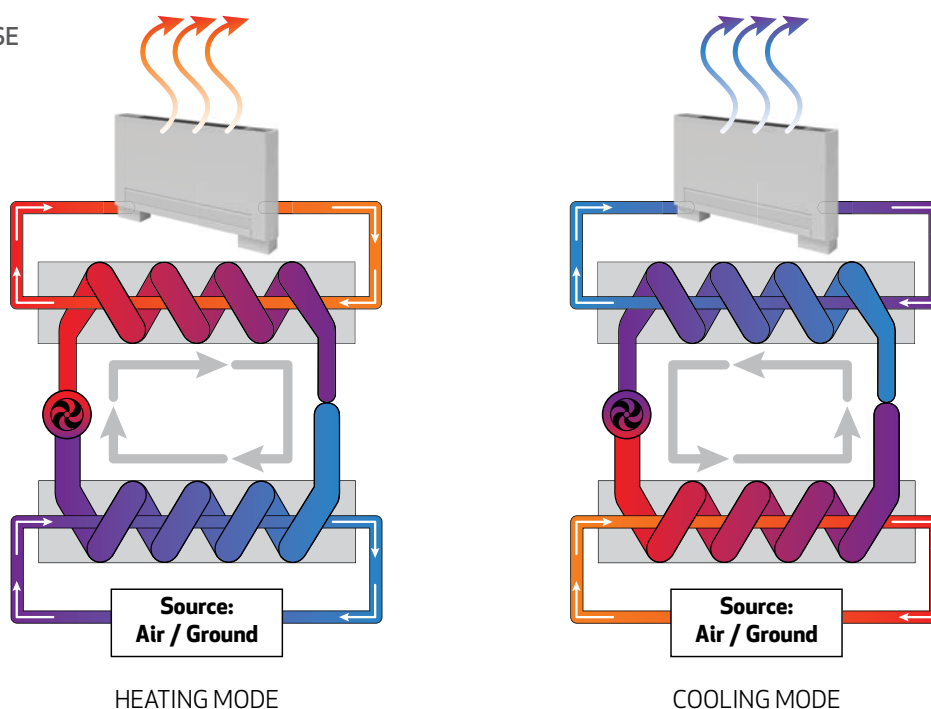
However, if a reverse cycle heat pump is installed in the system then it is possible for all ClimaAirs on the system to either heat or cool, depending on which cycle the heat pump is in. A key point to note is that both the heated and chilled water flow through the same 2 pipes, therefore, the entire system must either be in heating or cooling mode.

4-Pipe Model

The 4-pipe ClimaAir models have two pipes connecting to a heat source and two pipes connecting to a chiller. This feature enables an enhanced facility for indoor comfort within a building whereby the ClimaAir can provide both heating and cooling to different parts of the same building at the same time.

- > The main difference between the 2 and 4-pipe ClimaAir is the 4-pipe ClimaAir has 2 heat exchangers, one for heating and one for cooling.
- > This means that each heat exchanger has its own set of flow and return pipes, one from a boiler and one from a chiller.
- > Critically this means, from a system design point of view that if a system has multiple ClimaAirs installed, some can be used for heating whilst others can be used for cooling at the same time.

EXAMPLE OF A 2-PIPE
MODEL WITH A REVERSE
CYCLE HEAT PUMP



Technical Details

2-Pipe Models

Parameter	Metric	Units (SI)	Model				
			CA VS 7 CA VSI 7	CA VS 9 CA VSI 9	CA VS 11 CA VSI 11	CA VS 13 CA VSI 13	CA VS 15 CA VSI 15
Cooling/heating	Total cooling (7/12/27°C)	kW med (min - max) ^{*1}	0.73 (0.43 - 0.91)	1.36 (0.75 - 2.12)	2.08 (1.15 - 2.81)	2.39 (1.32 - 3.30)	2.57 (1.41 - 3.71)
	Sensible cooling	kW med (min - max) ^{*1}	0.51 (0.29 - 0.71)	1.04 (0.59 - 1.54)	1.51 (0.83 - 2.11)	1.84 (1.02 - 2.65)	1.98 (1.05 - 2.90)
	Flow rate	l/h med (min - max) ^{*1}	125.3 (73.6 - 156.1)	233.3 (128.7 - 363.8)	356.9 (197.3 - 482.1)	410.1 (226.5 - 556.2)	441.0 (233.3 - 636.6)
	Pressure drop	kPa med (min - max) ^{*1}	10.2 (5.7 - 12.1)	4.3 (1.9 - 8.2)	9.9 (2.7 - 17.1)	8.8 (2.5 - 18.0)	11.1 (3.4 - 21.2)
	Heating (75/65/20°C)	kW med (min - max) ^{*1}	1.51 (0.81 - 2.21)	3.28 (1.85 - 4.71)	4.79 (2.68 - 6.62)	5.81 (3.29 - 8.42)	6.33 (3.34 - 9.54)
	Flow rate	l/h med (min - max) ^{*1}	132.7 (71.5 - 194.7)	289.0 (162.5 - 414.3)	421.5 (236.1 - 582.4)	510.9 (289.7 - 740.9)	556.7 (293.9 - 839.8)
	Pressure drop	kPa med (min - max) ^{*1}	2.8 (0.9 - 6.5)	3.4 (1.7 - 5.0)	9.3 (3.0 - 16.1)	10.2 (3.4 - 18.2)	8.0 (3.4 - 24.0)
Hydraulic	Heat exchanger water volume	l	0.47	0.80	1.13	1.46	1.80
	Max. operating pressure	bar	10	10	10	10	10
	Operating temperatures	°C (min - max)	4 - 80	4 - 80	4 - 80	4 - 80	4 - 80
	Pipe S/R connections ^{*2}	Inch	Eurocone 3/4"	Eurocone 3/4"	Eurocone 3/4"	Eurocone 3/4"	Eurocone 3/4"
	Condensate drain size	mm	14	14	14	14	14
Airflow	Airflow ^{*3}	m³/h med (min - max)	91 (49 - 146)	210 (124 - 294)	318 (194 - 438)	410 (302 - 567)	479 (364 - 663)
Electrical	Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
	Max. power	W	11	19	20	29	33
	Max. power @ min. speed	W	4	4	5	5	5
Acoustics	Sound power	dB(A) med (min - max) ^{*1}	44 (33 - 51)	45 (35 - 53)	46 (36 - 54)	47 (36 - 55)	48 (37 - 57)
	Sound pressure ^{*4}	dB(A) med (min - max) ^{*1}	33 (24 - 41)	34 (25 - 42)	34 (26 - 44)	35 (26 - 46)	38 (28 - 47)

4-Pipe Models

Parameter	Metric	Units (SI)	Model				
			CA VS 7 CA VSI 7	CA VS 9 CA VSI 9	CA VS 11 CA VSI 11	CA VS 13 CA VSI 13	CA VS 15 CA VSI 15
Cooling/heating	Total cooling (7/12/27°C)	kW med (min - max) ^{*1}	0.61 (0.31 - 0.72)	1.13 (0.62 - 1.48)	1.52 (0.79 - 2.06)	1.79 (0.98 - 2.50)	2.18 (1.21 - 3.00)
	Sensible cooling	kW med (min - max) ^{*1}	0.45 (0.23 - 0.56)	0.84 (0.46 - 1.15)	1.11 (0.61 - 1.54)	1.41 (0.81 - 1.97)	1.68 (0.93 - 2.31)
	Flow rate	l/h med (min - max) ^{*1}	105.4 (52.5 - 124.2)	193.0 (106.3 - 253.5)	260.2 (134.7 - 353.6)	306.4 (168.9 - 428.5)	374.3 (207.8 - 514.2)
	Pressure drop	kPa med (min - max) ^{*1}	7.4 (3.9 - 8.4)	5.3 (3.5 - 6.6)	9.7 (4.9 - 13.7)	7.3 (4.0 - 10.8)	6.5 (3.7 - 8.5)
	Heating (75/65/20°C)	kW med (min - max) ^{*1}	0.62 (0.38 - 0.71)	1.24 (0.81 - 1.44)	1.74 (1.28 - 2.04)	2.54 (1.76 - 2.90)	2.73 (1.87 - 3.28)
	Flow rate	l/h med (min - max) ^{*1}	54.2 (33.6 - 62.6)	108.8 (71.0 - 126.8)	153.5 (112.9 - 179.6)	223.5 (154.7 - 255.3)	240.1 (164.6 - 288.7)
	Pressure drop	kPa med (min - max) ^{*1}	3.2 (2.7 - 3.4)	3.1 (2.8 - 5.7)	6.8 (6.2 - 9.0)	4.9 (3.8 - 6.1)	4.2 (3.2 - 9.5)
Hydraulic	Water content cooling	l	0.47	0.80	1.13	1.46	1.80
	Water content heating	l	0.16	0.27	0.38	0.49	0.60
	Max. operating pressure	bar	10	10	10	10	10
	Operating temperatures	°C (min - max)	4 - 80	4 - 80	4 - 80	4 - 80	4 - 80
	Pipe S/R connections ^{*2}	Inch	Eurocone 3/4"	Eurocone 3/4"	Eurocone 3/4"	Eurocone 3/4"	Eurocone 3/4"
	Condensate drain size	mm	14	14	14	14	14
Airflow	Airflow ^{*3}	m³/h med (min - max)	91 (46 - 132)	207 (124 - 260)	291 (194 - 370)	367 (247 - 476)	416 (262 - 542)
Electrical	Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
	Max. power	W	11	19	20	29	33
	Max. power @ min. speed	W	4	4	4	4	5
Acoustics	Sound power	dB(A) med (min - max) ^{*1}	44 (33 - 51)	45 (35 - 53)	46 (36 - 54)	47 (36 - 55)	48 (37 - 57)
	Sound pressure ^{*4}	dB(A) med (min - max) ^{*1}	33 (24 - 41)	34 (25 - 42)	34 (25 - 44)	35 (26 - 46)	37 (27 - 47)

*1: In Auto mode, values will vary between min-max.

*2: Supply/return piping is on the left side of the unit. Right side connections also available.

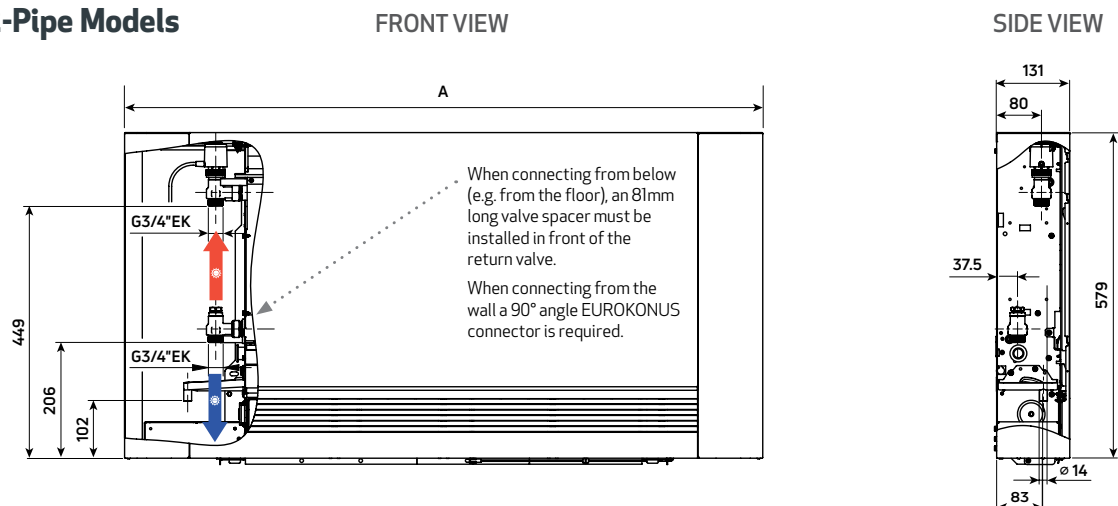
*3: Airflow measured with clean filters.

*4: Sound pressure measured in semianechoic chamber in compliance with ISO 7779 (distance 3m) - onsite conditions will result in different values.

Product Dimensions & Weights

CA VS - Surface Mounted Models

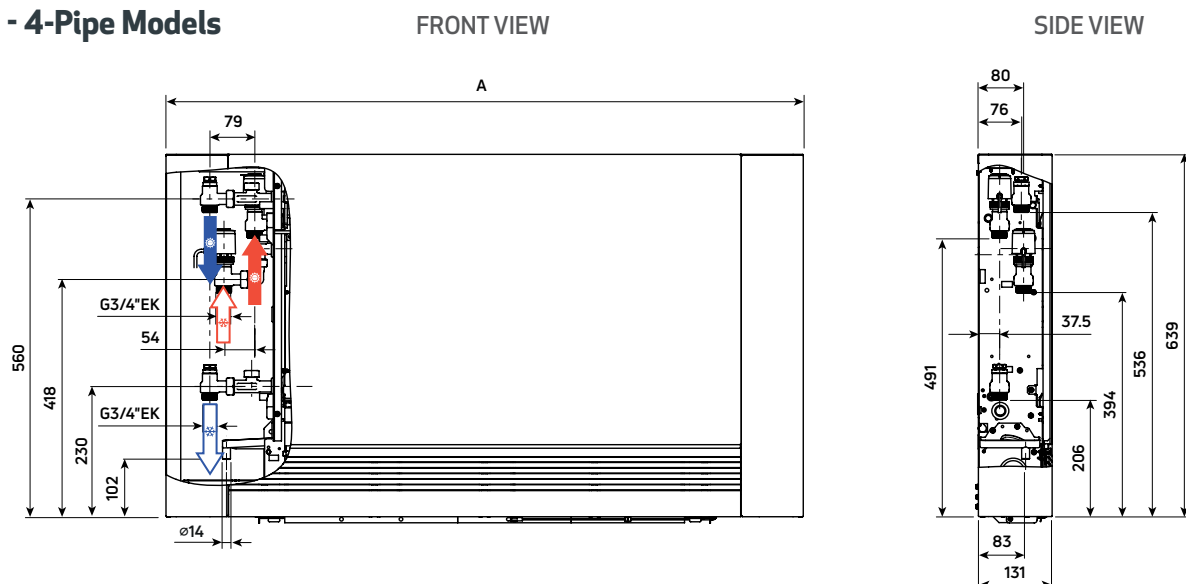
CA VS - 2-Pipe Models



Note: Optional feet are 82mm

	Unit	CA VS 7-2P	CA VS 9-2P	CA VS 11-2P	CA VS 13-2P	CA VS 15-2P
Dimension A	mm	735	935	1135	1335	1535
Weight (net)	kg	17	20	23	26	29

CA VS - 4-Pipe Models



Note: Optional feet are 82mm

	Unit	CA VS 7-4P	CA VS 9-4P	CA VS 11-4P	CA VS 13-4P	CA VS 15-4P
Dimension A	mm	735	935	1135	1335	1535
Weight (net)	kg	18	21	25	28	32



Outputs

CA VS - Surface Mounted Models

CA VS - 2-Pipe Models

Unit/ Model	Overall Height	Overall Depth	Overall Length	Fan Speed	Heat Output (W)			Cooling Output (W)		Product Code	
					ΔT 12.5°C 35/30/20°C	ΔT 22.5°C 45/40/20°C	ΔT 50°C 75/65/20°C	7/12/27°C			
	Dimensions - Nominal (mm)				Total	Sensible					
CA VS 7-2P	579	131	735	Min.	220	370	810	430	290	INTEGRATED CONTROL	EHJA0580742A3110
				Med.	410	690	1510	730	510	REMOTE CONTROL	EHJA0580742A3130
				Max.	530	1020	2210	910	710	0-10V	EHJA0580742A3140
CA VS 9-2P	579	131	935	Min.	410	820	1850	750	590	INTEGRATED CONTROL	EHJA0580942A3110
				Med.	800	1530	3280	1360	1040	REMOTE CONTROL	EHJA0580942A3130
				Max.	1160	2210	4710	2120	1540	0-10V	EHJA0580942A3140
CA VS 11-2P	579	131	1135	Min.	660	1200	2680	1150	830	INTEGRATED CONTROL	EHJA0581142A3110
				Med.	1180	2160	4790	2080	1510	REMOTE CONTROL	EHJA0581142A3130
				Max.	1640	3020	6620	2810	2110	0-10V	EHJA0581142A3140
CA VS 13-2P	579	131	1335	Min.	820	1470	3290	1320	1020	INTEGRATED CONTROL	EHJA0581342A3110
				Med.	1390	2590	5810	2390	1840	REMOTE CONTROL	EHJA0581342A3130
				Max.	2060	3810	8420	3300	2650	0-10V	EHJA0581342A3140
CA VS 15-2P	579	131	1535	Min.	810	1940	3340	1410	1070	INTEGRATED CONTROL	EHJA0581542A3110
				Med.	1490	2820	6330	2570	1980	REMOTE CONTROL	EHJA0581542A3130
				Max.	2340	4320	9540	3710	2900	0-10V	EHJA0581542A3140

- The standard CA VS 2-pipe 'INTEGRATED CONTROL' variant has a factory-fitted control unit on the ClimaAir.
- The CA VS 2-pipe 'REMOTE CONTROL' variant is supplied without a control unit, which can be ordered separately as an accessory **RC**.
- For use with BMS systems or a compatible thermostat, the '0-10V' variant should be used.
- All CA VS 2-pipe variants are equipped with an automatic, electric 2-way valve set with ¾" Eurocone connections in 2-pipe design.

CA VS - 4-Pipe Models

Unit/ Model	Overall Height	Overall Depth	Overall Length	Fan Speed	Heat Output (W)			Cooling Output (W)		Product Code	
					ΔT 12.5°C 35/30/20°C	ΔT 22.5°C 45/40/20°C	ΔT 50°C 75/65/20°C	7/12/27°C			
	Dimensions - Nominal (mm)				Total	Sensible					
CA VS 7-4P	639	131	735	Min.	90	170	380	310	230	INTEGRATED CONTROL	EHJA0640744A3110
				Med.	120	240	620	610	450	REMOTE CONTROL	EHJA0640744A3130
				Max.	140	290	710	720	560	0-10V	EHJA0640744A3140
CA VS 9-4P	639	131	935	Min.	160	350	810	630	460	INTEGRATED CONTROL	EHJA0640944A3110
				Med.	200	520	1240	1130	840	REMOTE CONTROL	EHJA0640944A3130
				Max.	220	610	1440	1480	1150	0-10V	EHJA0640944A3140
CA VS 11-4P	639	131	1135	Min.	250	520	1280	790	610	INTEGRATED CONTROL	EHJA0641144A3110
				Med.	280	700	1740	1520	1110	REMOTE CONTROL	EHJA0641144A3130
				Max.	300	820	2040	2060	1540	0-10V	EHJA0641144A3140
CA VS 13-4P	639	131	1335	Min.	240	590	1760	980	810	INTEGRATED CONTROL	EHJA0641344A3110
				Med.	310	860	2540	1790	1410	REMOTE CONTROL	EHJA0641344A3130
				Max.	340	1000	2900	2500	1970	0-10V	EHJA0641344A3140
CA VS 15-4P	639	131	1535	Min.	320	630	1870	1210	930	INTEGRATED CONTROL	EHJA0641544A3110
				Med.	410	1150	2730	2180	1680	REMOTE CONTROL	EHJA0641544A3130
				Max.	460	1390	3280	3000	2310	0-10V	EHJA0641544A3140

- The standard CA VS 4-pipe 'INTEGRATED CONTROL' variant has a factory-fitted control unit on the ClimaAir.
- The CA VS 4-pipe 'REMOTE CONTROL' variant is supplied without a control unit, which can be ordered separately as an accessory **RC**.
- For use with BMS systems or a compatible thermostat, the '0-10V' variant should be used.
- All CA VS 4-pipe variants are equipped with an automatic, electric 2-way valve set with ¾" Eurocone connections in 4-pipe design.

Note: For further output information, please contact the Merriott sales office.

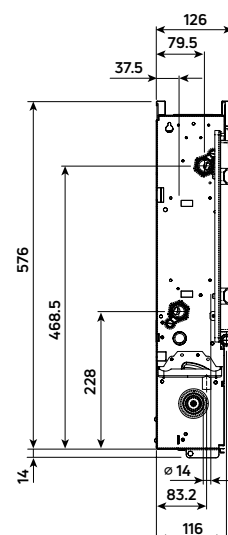
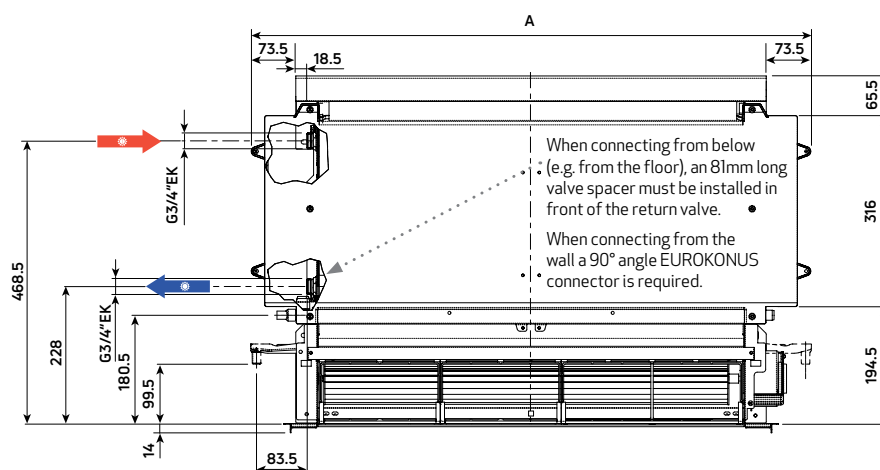
Product Dimensions & Weights

CA VSI - Recessed Models

CA VSI - 2-Pipe Models

FRONT VIEW

SIDE VIEW

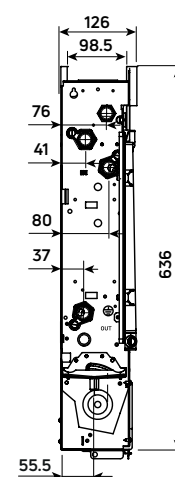
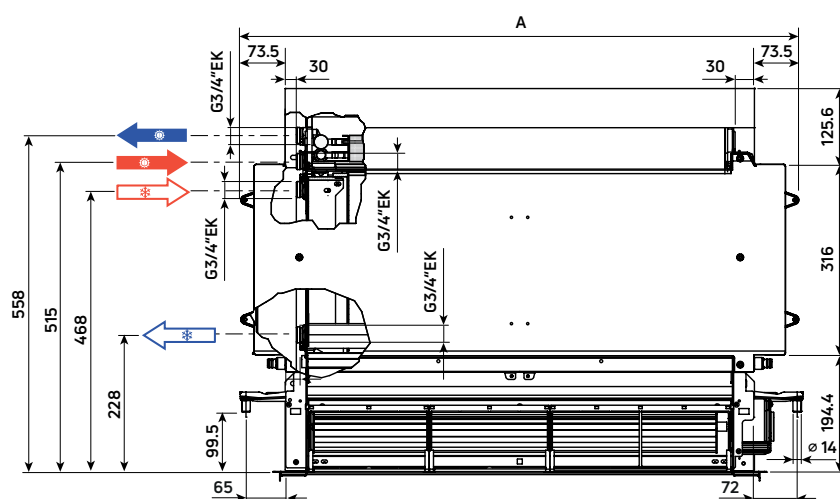


	Unit	CA VSI 7-2P	CA VSI 9-2P	CA VSI 11-2P	CA VSI 13-2P	CA VSI 15-2P
Dimension A	mm	525	725	925	1125	1325
Weight (net)	kg	9	12	15	18	21

CA VSI - 4-Pipe Models

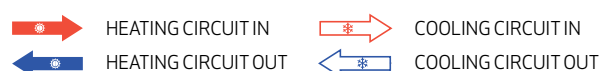
FRONT VIEW

SIDE VIEW



	Unit	CA VSI 7-4P	CA VSI 9-4P	CA VSI 11-4P	CA VSI 13-4P	CA VSI 15-4P
Dimension A	mm	525	725	925	1125	1325
Weight (net)	kg	10	13	17	20	24

Note: 2 and 4-pipe recessed unit shown without factory-fitted valves (included).



Outputs

CA VSI - Recessed Models

CA VSI - 2-Pipe Models

Unit/ Model	Overall Height	Overall Depth	Overall Length	Fan Speed	Heat Output (W)			Cooling Output (W)		Product Code	
					ΔT 12.5°C 35/30/20°C	ΔT 22.5°C 45/40/20°C	ΔT 50°C 75/65/20°C	7/12/27°C			
	Dimensions - Nominal (mm)				Total	Sensible					
CA VSI 7-2P	576	126	525	Min.	220	370	810	430	290	REMOTE CONTROL 0-10 V	EHJB0580742A3130 EHJB0580742A3140
				Med.	410	690	1510	730	510		
				Max.	530	1020	2210	910	710		
CA VSI 9-2P	576	126	725	Min.	410	820	1850	750	590	REMOTE CONTROL 0-10 V	EHJB0580942A3130 EHJB0580942A3140
				Med.	800	1530	3280	1360	1040		
				Max.	1160	2210	4710	2120	1540		
CA VSI 11-2P	576	126	925	Min.	660	1200	2680	1150	830	REMOTE CONTROL 0-10 V	EHJB0581142A3130 EHJB0581142A3140
				Med.	1180	2160	4790	2080	1510		
				Max.	1640	3020	6620	2810	2110		
CA VSI 13-2P	576	126	1125	Min.	820	1470	3290	1320	1020	REMOTE CONTROL 0-10 V	EHJB0581342A3130 EHJB0581342A3140
				Med.	1390	2590	5810	2390	1840		
				Max.	2060	3810	8420	3300	2650		
CA VSI 15-2P	576	126	1325	Min.	840	1940	3340	1410	1070	REMOTE CONTROL 0-10 V	EHJB0581542A3130 EHJB0581542A3140
				Med.	1490	2820	6330	2570	1980		
				Max.	2320	4320	9540	3710	2900		

- All CA VSI 2-pipe variants include a factory-installed PCB control board, an automatic, electric 2-way valve set with $\frac{3}{4}$ " Eurocone connections in 2-pipe design.
- The Remote Control variant is available to connect to the wall-mounted Remote Control which can be ordered separately as an accessory **RC**.
- For use with BMS systems or a compatible thermostat, select the 0-10V variant.

CA VSI - 4-Pipe Models





Unit/ Model	Overall Height	Overall Depth	Overall Length	Fan Speed	Heat Output (W)			Cooling Output (W)		Product Code	
	Dimensions - Nominal (mm)				ΔT 12.5°C 35/30/20°C	ΔT 22.5°C 45/40/20°C	ΔT 50°C 75/65/20°C	7/12/27°C			
					Total	Sensible					
CA VSI 7-4P	636	126	525	Min.	90	170	380	310	230	REMOTE CONTROL 0-10 V	EHJB0640744A3130 EHJB0640744A3140
				Med.	120	240	620	610	450		
				Max.	140	290	710	720	560		
CA VSI 9-4P	636	126	725	Min.	160	350	810	630	460	REMOTE CONTROL 0-10 V	EHJB0640944A3130 EHJB0640944A3140
				Med.	200	520	1240	1130	840		
				Max.	220	610	1440	1480	1150		
CA VSI 11-4P	636	126	925	Min.	250	520	1280	790	610	REMOTE CONTROL 0-10 V	EHJB0641144A3130 EHJB0641144A3140
				Med.	280	700	1740	1520	1110		
				Max.	300	820	2040	2060	1540		
CA VSI 13-4P	636	126	1125	Min.	240	590	1760	980	810	REMOTE CONTROL 0-10 V	EHJB0641344A3130 EHJB0641344A3140
				Med.	310	860	2540	1790	1410		
				Max.	340	1000	2900	2500	1970		
CA VSI 15-4P	636	126	1325	Min.	320	630	1870	1210	930	REMOTE CONTROL 0-10 V	EHJB0641544A3130 EHJB0641544A3140
				Med.	410	1150	2730	2180	1680		
				Max.	460	1390	3280	3000	2310		

- All CA VSI 4-pipe variants include a factory-installed PCB control board, an automatic, electric 4-way valve set with $\frac{3}{4}$ " Eurocone connections in 4-pipe design.
- The Remote Control variant is available to connect to the wall-mounted Remote Control which can be ordered separately as an accessory **RC**.
- For use with BMS systems or a compatible thermostat, select the 0-10V variant.

Note: For further output information, please contact the Merriott sales office.







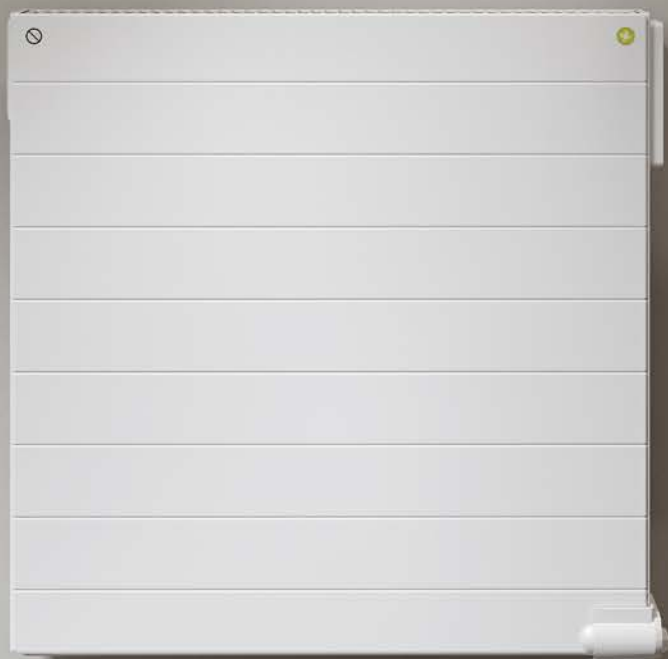
Accessories

Ref.	Product	Model	Product Code
RC	 <p>Remote Control Wall-mounted remote control.</p>	Black White	AZ5E00EDA64900N0 AZ5E00EDB64900N0
A	 <p>Wall fixing pipe covers/feet</p> <ul style="list-style-type: none"> > Cover up supply and return pipes as they enter the unit. > They should be fitted on appliances anchored to the back wall. > These feet should not be used to anchor the ClimaAir to the ground. 		AZ500007524112N0
B	 <p>Floor fixing pipe covers/feet</p> <ul style="list-style-type: none"> > For anchoring the terminal to the ground. > Also cover any hydraulic pipes coming up through the floor. 		AZ500007524162N0
C	 <p>Condensate collector tray Required for horizontally-mounted units in cooling applications. For 2P and 4P versions.</p> <p>Note: The condensate collector tray is included with CA VSI models.</p>	For CA VS 7 For CA VS 9 For CA VS 11 For CA VS 13 For CA VS 15	AZ500007524212N0 AZ500007524222N0 AZ500007524232N0 AZ500007524242N0 AZ500007524252N0
D	 <p>Rear metal cover panel white for 2P versions Cover panel for use when unit is installed in front of windows.</p> <p>Rear metal cover panel white for 4P versions Cover panel for use when unit is installed in front of windows.</p>	For CA VS 7-2P For CA VS 9-2P For CA VS 11-2P For CA VS 13-2P For CA VS 15-2P For CA VS 7-4P For CA VS 9-4P For CA VS 11-4P For CA VS 13-4P For CA VS 15-4P	AZ502P07525212N0 AZ502P07525222N0 AZ502P07525232N0 AZ502P07525242N0 AZ502P07525252N0 AZ504P07525312N0 AZ504P07525322N0 AZ504P07525332N0 AZ504P07525342N0 AZ504P07525352N0
E	 <p>Air intake adapter Used with recessed versions when the unit will sit within a false ceiling cavity and the air intake adapter will be exposed.</p>	For CA VSI 7 For CA VSI 9 For CA VSI 11 For CA VSI 13 For CA VSI 15	AZ500007524712N0 AZ500007524722N0 AZ500007524732N0 AZ500007524742N0 AZ500007524752N0

Accessories (cont...)

Ref.	Product	Model	Product Code
F	 <p>Variable length air flow duct Used with recessed version where outlet needs to be away from unit. Min length 302mm, max length 590mm.</p>	For CA VSI 7 For CA VSI 9 For CA VSI 11 For CA VSI 13 For CA VSI 15	AZ500007524512N0 AZ500007524522N0 AZ500007524532N0 AZ500007524542N0 AZ500007524552N0
G	 <p>90° air outlet duct Used with recessed versions where unit will sit in false ceiling cavity and outlet grille will be exposed.</p>	For CA VSI 7 For CA VSI 9 For CA VSI 11 For CA VSI 13 For CA VSI 15	AZ500007524612N0 AZ500007524622N0 AZ500007524632N0 AZ500007524642N0 AZ500007524652N0
H	 <p>Air outlet grille straight Used with recessed versions. Grille vanes are straight.</p>	For CA VSI 7 For CA VSI 9 For CA VSI 11 For CA VSI 13 For CA VSI 15	AZ500007524812N0 AZ500007524822N0 AZ500007524832N0 AZ500007524842N0 AZ500007524852N0
I	 <p>Air inlet grille straight Used with recessed versions. Grille vanes are straight.</p>	For CA VSI 7 For CA VSI 9 For CA VSI 11 For CA VSI 13 For CA VSI 15	AZ500007524912N0 AZ500007524922N0 AZ500007524932N0 AZ500007524942N0 AZ500007524952N0
J	 <p>Air outlet grille curved Used with recessed versions. Grille vanes are curved to direct airflow away from room occupants.</p>	For CA VSI 7 For CA VSI 9 For CA VSI 11 For CA VSI 13 For CA VSI 15	AZ500007525412N0 AZ500007525422N0 AZ500007525432N0 AZ500007525442N0 AZ500007525452N0
K	 <p>Air inlet grille curved Used with recessed versions. Grille vanes are curved to direct airflow away from room occupants.</p>	For CA VSI 7 For CA VSI 9 For CA VSI 11 For CA VSI 13 For CA VSI 15	AZ500007525417N0 AZ500007525427N0 AZ500007525437N0 AZ500007525447N0 AZ500007525457N0
L	 <p>Metal casing for recessed fan convectors Requirement for fan convectors with front cover. ClimaAir mounts directly into metal casing. See pages 8-9 for more information.</p>	For CA VSI 7-2P For CA VSI 9-2P For CA VSI 11-2P For CA VSI 13-2P For CA VSI 15-2P For CA VSI 7-4P For CA VSI 9-4P For CA VSI 11-4P For CA VSI 13-4P For CA VSI 15-4P	AZ500007524312N0 AZ500007524322N0 AZ500007524332N0 AZ500007524342N0 AZ500007524352N0 AZ500007524314N0 AZ500007524324N0 AZ500007524334N0 AZ500007524344N0 AZ500007524354N0

Ref.	Product	Model	Product Code
M	 <p>Vertical casing cover Vertical casing cover with air intake grille. For use with standard metal casing L</p>	<p>For CA VSI 7-2P For CA VSI 9-2P For CA VSI 11-2P For CA VSI 13-2P For CA VSI 15-2P</p> <p>For CA VSI 7-4P For CA VSI 9-4P For CA VSI 11-4P For CA VSI 13-4P For CA VSI 15-4P</p>	<p>AZ500007524412N0 AZ500007524422N0 AZ500007524432N0 AZ500007524442N0 AZ500007524452N0</p> <p>AZ500007524414N0 AZ500007524424N0 AZ500007524434N0 AZ500007524444N0 AZ500007524454N0</p>
N	 <p>Ceiling casing cover Ceiling casing cover with air intake grille. For use with standard metal casing L</p>	<p>For CA VSI 7-2P For CA VSI 9-2P For CA VSI 11-2P For CA VSI 13-2P For CA VSI 15-2P</p> <p>For CA VSI 7-4P For CA VSI 9-4P For CA VSI 11-4P For CA VSI 13-4P For CA VSI 15-4P</p>	<p>AZ500007525812N0 AZ500007525822N0 AZ500007525832N0 AZ500007525842N0 AZ500007525852N0</p> <p>AZ500007525814N0 AZ500007525824N0 AZ500007525834N0 AZ500007525844N0 AZ500007525854N0</p>
	 <p>Valve extension 81 mm spacer for use with return valve when pipe connection is from the floor.</p>		AZ5H00AI050100N0
	 <p>90° angle EUROKONUS connector Elbow for use with flow valve when pipe connection is through the wall.</p>		AZ5H00AI020300N0



Heating Solutions

Product Showcase

Merriott



Multicolumn Plus Radiators

The Merriott Multicolumn Plus is an elegant section radiator that combines modern architecture with traditional heating technology.

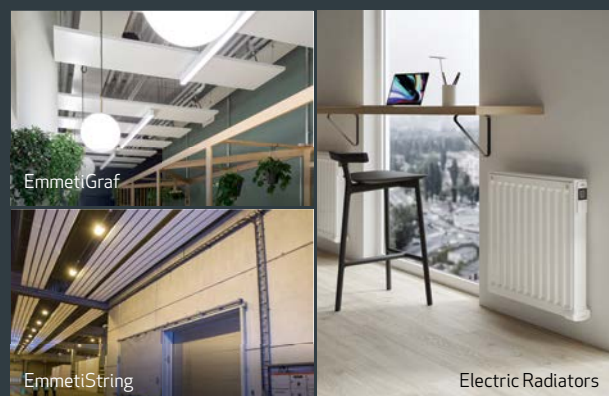
- > Two to six columns deep in a horizontal and vertical configuration
- > 21 different heights, from 300 to 3000mm and standard lengths from 200 to 3000mm
- > Characteristic "D"-profiled columns, increasing heat output
- > Laser welded sections are produced completely free from shape defects and internal residues
- > Available in an extensive range of RAL colours
- > Wall and floor mounting options
- > 10 year warranty

Precision Radiators

Merriott Precision radiators are horizontal and vertical tubular radiators that offer a high quality, robust design with a high heat output with low water content.

- > Horizontal Precision Radiators are available in 143 to 868mm height and 500 to 3000mm length
- > Vertical Precision Radiators are available in 600 to 3000mm height and 288 to 868mm length
- > Horizontal models available in, H10, H11, H20, H21, and H22S options
- > Vertical models are available in V10 and V20 configurations
- > Wall and floor mounting options
- > Available in an extensive range of RAL colours
- > 10 year warranty

EMMETI



Radiant Panels

EmmetiGraf and EmmetiString radiant ceiling panels provide both heating and cooling capabilities. The panels are highly efficient and can be paired with low-temperature systems.

- > EmmetiGraf radiant ceiling panels are manufactured from thermally conductive graphite with an embedded copper meander giving it rapid system reaction times and high outputs
- > EmmetiString radiant ceiling panels have a modular structure and are lightweight, ideal for single person installation
- > EmmetiGraf has different fixing systems suitable for varying applications, they are available in insulated and un-insulated models
- > EmmetiString is manufactured with insulation included, with no need for modification on site
- > 5 year warranty

Electric Radiators

Our range of Electric Panel Radiators offer complete design flexibility with three different front panel options, ensuring that there is a suitable design for every interior style. The combination of good looks and high heating comfort makes our radiators the perfect match for your project needs.

- > Sealed oil-filled with biodegradable vegetable oil
- > Programmable Integrated Analogue and Digital control options
- > Unisenza Plus app integration when Digital Controls are used with Unisenza Plus Gateway
- > 300mm and 500mm Height Options
- > A variety of lengths between 400mm - 2000mm
- > Finished in white (RAL 9016)
- > 2 year warranty on controls
- > 10 year warranty on radiators

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