



Technical Guide
March 2022 Edition 2

iVECTOR S2 SERIES

a hydronic fan convector unit
with intelligent cooling &
heating capability

A smart way to improve indoor climate

Today, both renovation and new building projects have strict standards that raise the bar for overall efficiencies. At the same time, there is a demand to reduce dependence on finite energy sources, cut emissions and lower overall costs. Modern heating systems are designed to work at significantly lower temperatures to help improve system efficiency, achieve meaningful energy savings and improve indoor climate comfort.

MEET THE NEWEST GENERATION OF FAN CONVECTORS

The iVector S2 is the whisper-quiet fan convector from Myson. With an attractive, compact design the iVector S2 can provide high heating performance whilst operating at low temperatures and with low water content. This provides efficient energy use without sacrificing outputs.

When combined with a reversible heat pump or a separate cooling source, the iVector S2 can offer both heating and cooling functions, making it a perfect solution for both commercial and domestic use.

The iVector S2 offers many installation options such as in-wall, on-wall and ceiling mounting, this allows for great flexibility in interior design, with energy-efficient advantages. Combining the product with other low temperature systems, for example underfloor heating, provides an ideal combination for the optimum indoor climate comfort. The iVector S2 is also the perfect solution for rooms not in regular use such as guest rooms or hobby rooms thanks to rapid heat-up times.



iVector S2 – A new generation fan convector



SILENCE... LISTEN

At last here is a fan convector that offers innovative solutions for heating, cooling and dehumidification systems. Thanks to its ingenious and highly-accurate controls the iVector S2 provides optimal comfort all year round. It is equipped with a highly-efficient DC motor with performance and fan speed controlled using pulse width modulation (PWM) which significantly reduces noise and vibrations.

All Myson fan convectors have been designed to reduce noise levels as far as possible and to make installation as simple as can be.

RAPID HEAT-UP AND EASY INSTALLATION

Due to its low water content the new iVector S2 operates quickly and efficiently. Conventional fan convectors are sluggish and thus less efficient. Thanks to its simple design the iVector S2 is very simple to install.

CONTROLS WITH A HIGH IQ FOR SMART HOMES

Like no other fan convector the iVector S2 is ideally suited to modern building management systems and can be controlled centrally. Even individual users benefit from the simple-to-use controls. In this way it's also possible in summer to operate in cooling mode and to cool rooms without using an air conditioning system.

SLIMLINE DESIGN

Aesthetically pleasing, the iVector S2's slimline design allows for discreet positioning without compromising performance. Whether it be wall or ceiling mounted, or recessed the iVector S2 will blend into its environment seamlessly.



Not to be used in high humidity conditions

FACTS

The iVector S2 Series features:

- fast reaction time
- extremely high performance
- flexible control options
- heating and cooling function
- easy installation
- whisper-quiet operation



MOUNTING OPTIONS



Wall Mounted



Wall Mounted with Optional Feet



Wall Installation



Ceiling Mounted



Ceiling Installation*

* Ceiling installation showing optional ducted outlet

iVector S2

Product overview – control options

The standard model of the iVector S2 is equipped with an auto control which 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.

Important: The unit has an on-board sensor to control the cooling function. However some room configurations mean the auto remote will offer more effective cooling performance. We therefore recommend that in installations where cooling is a main feature, the auto remote control is used rather than the standard model.

AUTO

Using the AUTO, NIGHT MODE, REDUCED



MODE settings the Auto control option makes the regulation of the room temperature completely automatic (independent). The room temperature sensor sits in the lower part of the unit and guarantees frost-free function even if the unit is in standby mode.

The display is equipped with a memory function so no settings will be lost if the unit is switched off or there is a power cut. With the + and – keys the room temperature can be set in 0,5 °C or °F increments.

Functions can be switched between heating and cooling using a simple press of a button.

This model allows standalone operation. There is no master/slave function.

AUTO REMOTE

The Auto remote option offers the same functionality as the standard iVector S2 Auto version (Auto, night mode, reduced mode, maximum). The connection to the iVector S2 is made using a RS485 data cable using terminals +, A, B, -.

With this control option up to 30 iVector S2s can be managed using a single remote control.

This option is designed for all built-in applications and 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.



PLEASE NOTE!

It is **not possible** to control other units with the on-board Smart Touch controller.

0 – 10V BMS CONTROL

The iVector S2 can be factory or field fitted with a 0 – 10 V DC control board which allows the unit to be controlled centrally from a BMS system using a 0 – 10 V 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 – 10 V external DC signal.



The programmable room thermostat 0 – 10V allows control of the model 0-10 V BMS independently of the building management system.

0-10 V DC INPUT

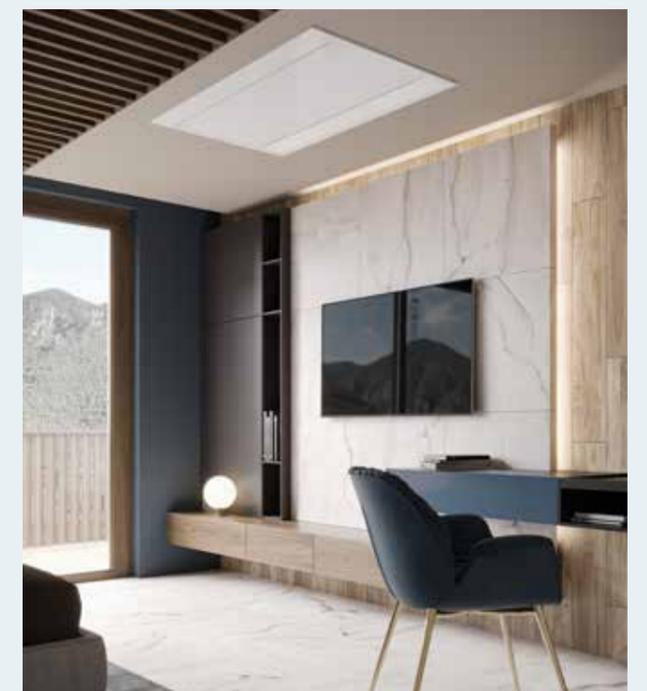


AUTO REMOTE SETUP EXAMPLE



* a single remote controller can control up to 30 Auto Remote iVector S2 devices

IVECTOR S2 – A PERFECT SOLUTION FOR COMMERCIAL AND DOMESTIC USE



iVECTOR S2 (Metric Units - SI)

Technical details

2-PIPE MODELS							
Parameter	Metric	Units (SI)	Model				
			VS 7 VSI 7	VS 9 VSI 9	VS 11 VSI 11	VS 13 VSI 13	VS 15 VSI 15
Cooling/heating	Total cooling (7/12/27°C)	kW med (min - max)*1	0.73 (na - 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	0.55 (na - 0.73)	1.07 (0.59 - 1.72)	1.51 (0.83 - 2.11)	1.84 (1.02 - 2.71)	1.98 (1.07 - 2.09)
	Flow rate	l/h med (min - max)*1	125.3 (na - 156.1)	233.3 (128.7 - 363.8)	356.9 (197.3 - 482.1)	410.1 (226.5 - 556.2)	441.0 (241.5 - 636.6)
	Pressure drop	kPa med (min - max)*1	10.2 (na - 12.1)	4.3 (1.9 - 8.2)	9.9 (2.7 - 17.1)	8.8 (2.5 - 18.0)	11.1 (13.8 - 21.2)
	Heating (80/75/20°C)	kW med (min - max)*1	2.01 (1.35 - 2.44)	3.62 (2.03 - 5.19)	5.27 (2.95 - 7.28)	6.39 (3.62 - 9.27)	6.87 (3.65 - 10.74)
	Flow rate	l/h med (min - max)*1	176.9 (118.7 - 215.1)	318.9 (179.2 - 457.6)	464.5 (259.8 - 642.3)	563.1 (319.2 - 817.3)	605.9 (322.1 - 947.1)
Pressure drop	kPa med (min - max)*1	3.3 (1.1 - 7.7)	4.1 (2.0 - 5.9)	10.9 (3.6 - 19.1)	12.0 (4.0 - 21.6)	16.7 (5.5 - 36.6)	
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 - 85	4 - 85	4 - 85	4 - 85	4 - 85
	Pipe S/R connections*2	Inch	Euroconus 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)
Electrical	Power supply	V/ph/Hz	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
	Max. power	W	11	19	20	29	33
	Max. current	A	0.22	0.32	0.36	0.52	0.56
	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)	35 (26 - 44)	35 (26 - 46)	38 (28 - 47)

4-PIPE MODELS							
Parameter	Metric	Units (SI)	Model				
			VS 7 VSI 7	VS 9 VSI 9	VS 11 VSI 11	VS 13 VSI 13	VS 15 VSI 15
Cooling/heating	Total cooling (7/12/27°C)	kW med (min - max)*1	0.61 (0.31 - 0.72)	1.13 (0.63 - 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 (0.24 - 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 (107.3 - 253.5)	260.2 (135.2 - 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 (3.4 - 6.6)	9.7 (4.9 - 13.7)	7.3 (4.0 - 10.8)	14.7 (14.0 - 15.7)
	Heating (80/75/20°C)	kW med (min - max)*1	0.72 (0.42 - 0.82)	1.38 (0.93 - 1.61)	1.96 (1.52 - 2.29)	2.83 (1.96 - 3.24)	3.03 (2.09 - 3.63)
	Flow rate	l/h med (min - max)*1	63.2 (37.3 - 72.3)	121.7 (82.2 - 141.8)	173.0 (134.4 - 202.2)	249.9 (173.1 - 285.5)	267.4 (184.5 - 320.1)
Pressure drop	kPa med (min - max)*1	4.1 (3.2 - 4.3)	3.7 (3.6 - 6.8)	8.2 (8.2 - 10.9)	5.9 (4.6 - 7.3)	5.0 (11.4 - 3.8)	
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 - 82	4 - 82	4 - 82	4 - 82	4 - 82
	Pipe S/R connections*2	Inch	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"	Euroconus 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)	267 (247 - 476)
Electrical	Power supply	V/ph/Hz	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
	Max. power	W	11	19	20	29	33
	Max. current	A	0.22	0.32	0.36	0.52	0.56
	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 available as special order
 *3: Airflow measured with clean filters
 *4: Sound pressure measured in semianechoic chamber in compliance with ISO 7779 (distance 3 m) - onsite conditions will result in different values

iVECTOR S2 (Imperial Units - IP)

Technical details

2-PIPE MODELS							
Parameter	Metric	Units (IP)	Model				
			VS 7 VSI 7	VS 9 VSI 9	VS 11 VSI 11	VS 13 VSI 13	VS 15 VSI 15
Cooling/heating	Total cooling (45/54/81°F)	btuh med (min - max)*1	2,491 (na - 3,106)	4,641 (2,560 - 7,234)	7,098 (3,924 - 9,589)	8,156 (4,505 - 11,261)	8,770 (4,812 - 12,660)
	Sensible cooling	btuh med (min - max)*1	1,877 (na - 2,491)	3,651 (2,014 - 5,869)	5,153 (2,833 - 7,200)	6,279 (3,481 - 9,247)	6,757 (3,651 - 9,896)
	Flow rate	gpm med (min - max)*1	0.6 (na - 0.7)	1.0 (0.6 - 1.6)	1.6 (0.9 - 2.1)	1.8 (1.0 - 2.4)	1.9 (1.1 - 2.8)
	Pressure drop	ft of hd med (min - max)*1	3.4 (na - 4.0)	1.4 (0.6 - 2.7)	3.3 (0.9 - 5.7)	2.9 (0.8 - 6.0)	3.7 (4.6 - 7.1)
	Heating (176/167/68°F)	btuh med (min - max)*1	6,859 (4,607 - 8,326)	12,352 (6,927 - 17,710)	17,982 (10,066 - 24,841)	21,804 (12,352 - 31,631)	23,442 (12,455 - 36,647)
	Flow rate	gpm med (min - max)*1	0.8 (0.5 - 0.9)	1.4 (0.8 - 2.0)	2.0 (1.1 - 2.8)	2.5 (1.4 - 3.6)	2.7 (1.4 - 4.2)
Pressure drop	ft of hd med (min - max)*1	1.1 (0.4 - 2.6)	1.4 (0.7 - 2.0)	3.6 (1.2 - 6.4)	4.0 (1.3 - 7.2)	5.6 (1.8 - 12.2)	
Hydraulic	Heat exchanger water volume	US gal	0.12	0.21	0.30	0.39	0.48
	Max. operating pressure	psi	145	145	145	145	145
	Operating temperatures	°F min - max	39 - 185	39 - 185	39 - 185	39 - 185	39 - 185
	Pipe S/R connections*2	Inch	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"
	Condensate drain size	mm	14	14	14	14	14
	Airflow	Airflow*3	cfm med (min - max)	53.6 (28.8 - 85.9)	123.6 (73.0 - 173.0)	187.2 (114.2 - 257.8)	241.3 (177.8 - 333.7)
Electrical	Power supply	V/ph/Hz	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
	Max. power	W	11	19	20	29	33
	Max. current	A	0.22	0.32	0.36	0.52	0.56
	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)	35 (26 - 44)	35 (26 - 46)	37 (27 - 47)

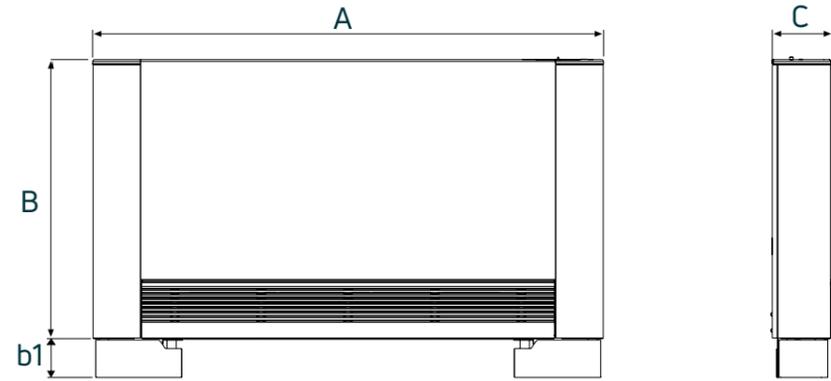
4-PIPE MODELS							
Parameter	Metric	Units (IP)	Model				
			VS 7 VSI 7	VS 9 VSI 9	VS 11 VSI 11	VS 13 VSI 13	VS 15 VSI 15
Cooling/heating	Total cooling (45/54/81°F)	btuh med (min - max)*1	2,082 (1,058 - 2,457)	3,856 (2,150 - 5,050)	5,187 (2,696 - 7,030)	6,108 (3,344 - 8,531)	7,439 (4,129 - 10,237)
	Sensible cooling	btuh med (min - max)*1	1,536 (819 - 1,911)	2,867 (1,570 - 3,924)	3,788 (2,082 - 5,255)	4,812 (2,764 - 6,722)	5,733 (3,174 - 7,883)
	Flow rate	gpm med (min - max)*1	0.5 (0.2 - 0.5)	0.8 (0.5 - 1.1)	1.1 (0.6 - 1.6)	1.3 (0.7 - 1.9)	1.6 (0.9 - 2.3)
	Pressure drop	ft of hd med (min - max)*1	2.5 (1.3 - 2.8)	1.8 (1.1 - 2.2)	3.2 (1.6 - 4.6)	2.4 (1.3 - 3.6)	4.9 (4.7 - 5.3)
	Heating (176/167/68°F)	btuh med (min - max)*1	2,457 (1,434 - 2,798)	4,709 (3,174 - 5,494)	6,688 (5,187 - 7,814)	9,657 (6,688 - 11,056)	10,339 (7,132 - 12,387)
	Flow rate	gpm med (min - max)*1	0.3 (0.2 - 0.3)	0.5 (0.4 - 0.6)	0.8 (0.6 - 0.9)	1.1 (0.8 - 1.3)	1.2 (0.8 - 1.4)
Pressure drop	ft of hd med (min - max)*1	1.4 (1.1 - 1.4)	1.2 (1.2 - 2.3)	2.7 (2.7 - 3.6)	2.0 (1.5 - 2.4)	1.7 (3.8 - 1.3)	
Hydraulic	Heat exchanger water volume	US gal	0.12	0.21	0.30	0.39	0.48
	Max. operating pressure	psi	145	145	145	145	145
	Operating temperatures	°F min - max	39 - 185	39 - 185	39 - 185	39 - 185	39 - 185
	Pipe S/R connections*2	Inch	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"	Euroconus 3/4"
	Condensate drain size	mm	14	14	14	14	14
	Airflow	Airflow*3	cfm med (min - max)	53.6 (27.1-77.7)	121.8 (73.0-153.0)	171.3 (114.2-217.8)	157.2 (145.4-280.2)
Electrical	Power supply	V/ph/Hz	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
	Max. power	W	11	19	20	29	33
	Max. current	A	0.22	0.32	0.36	0.52	0.56
	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 available as special order
 *3: Airflow measured with clean filters
 *4: Sound pressure measured in semianechoic chamber in compliance with ISO 7779 (distance 3 m) - onsite conditions will result in different values

iVector S2 VS models

Product dimensions & weights

CASING DIMENSIONS



2-PIPE VERSIONS

Dimensions		Model				
		VS 7-2P (nominal inches)	VS 9-2P (nominal inches)	VS 11-2P (nominal inches)	VS 13-2P (nominal inches)	VS 15-2P (nominal inches)
A	mm	735 (29)	935 (37)	1135 (45)	1335 (53)	1535 (61)
B	mm	579 (23)	579 (23)	579 (23)	579 (23)	579 (23)
b1	mm	82 (3)	82 (3)	82 (3)	82 (3)	82 (3)
C	mm	131 (5)	131 (5)	131 (5)	131 (5)	131 (5)
Weight						
Net	kg (lbs)	17 (34.4)	20 (44.0)	23 (50.6)	26 (57.2)	29 (63.8)

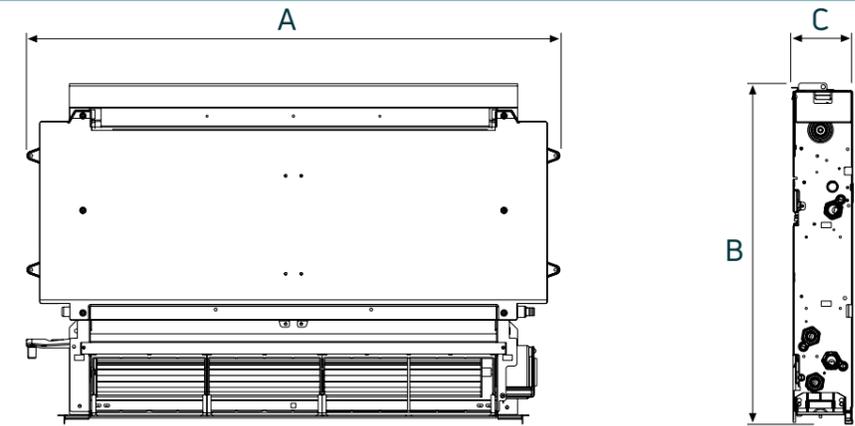
4-PIPE VERSIONS

Dimensions		Model				
		VS 7-4P (nominal inches)	VS 9-4P (nominal inches)	VS 11-4P (nominal inches)	VS 13-4P (nominal inches)	VS 15-4P (nominal inches)
A	mm	735 (29)	935 (37)	1135 (45)	1335 (53)	1535 (61)
B	mm	639 (25)	639 (25)	639 (25)	639 (25)	639 (25)
b1	mm	82 (3)	82 (3)	82 (3)	82 (3)	82 (3)
C	mm	131 (5)	131 (5)	131 (5)	131 (5)	131 (5)
Weight						
Net	kg (lbs)	18 (39.6)	21 (46.2)	25 (55.0)	28 (61.6)	32 (70.4)

iVector S2 VSI models

Product dimensions & weights

CASING DIMENSIONS



2-PIPE VERSIONS

Dimensions		Model				
		VS 7-2P (nominal inches)	VS 9-2P (nominal inches)	VS 11-2P (nominal inches)	VS 13-2P (nominal inches)	VS 15-2P (nominal inches)
A	mm	525 (21)	725 (29)	925 (37)	1125 (45)	1335 (53)
B	mm	576 (23)	576 (23)	576 (23)	576 (23)	576 (23)
C	mm	126 (5)	126 (5)	126 (5)	126 (5)	126 (5)
Weight						
Net	kg (lbs)	9 (19.8)	12 (26.4)	15 (33)	18 (39.6)	21 (46.2)

4-PIPE VERSIONS

Dimensions		Model				
		VS 7-4P (nominal inches)	VS 9-4P (nominal inches)	VS 11-4P (nominal inches)	VS 13-4P (nominal inches)	VS 15-4P (nominal inches)
A	mm	525 (21)	725 (29)	925 (37)	1125 (45)	1335 (53)
B	mm	579 (23)	579 (23)	579 (23)	579 (23)	579 (23)
C	mm	126 (5)	126 (5)	126 (5)	126 (5)	126 (5)
Weight						
Net	kg (lbs)	10 (22.0)	13 (28.6)	17 (37.4)	20 (44)	24 (52.8)

iVector S2 VS models

Outputs

2-PIPE VERSIONS – FOR SURFACE MOUNTING, COMES WITH ON-BOARD AUTO CONTROLLER									
Unit/Model	Overall height	Overall depth	Overall length	Fan speed	Heat output (btuh)		Cooling output (btuh)		Product code
					176/167/68°F		45/54/81°F		
	Dimensions – Nominal Inches				Total	Sensible			
VS 7-2P	23	5-¼	30	Max.	8,326	3,106	2,491	VS72PVKIT	
				Med.	6,859	2,491	1,877		
				Min.	4,607	na	na		
VS 9-2P	23	5-¼	37	Max.	17,710	7,234	5,869	VS92PKIT	
				Med.	12,352	4,641	3,651		
				Min.	6,927	2,560	2,014		
VS 11-2P	23	5-¼	45	Max.	24,841	9,589	7,200	VS112PKIT	
				Med.	17,982	7,098	5,153		
				Min.	10,066	3,924	2,833		
VS 13-2P	23	5-¼	53	Max.	31,631	11,261	9,247	VS132PKIT	
				Med.	21,804	8,156	6,279		
				Min.	12,352	4,505	3,481		
VS 15-2P	23	5-¼	61	Max.	36,647	12,660	9,896	VS152PKIT	
				Med.	23,442	8,770	6,757		
				Min.	12,455	4,812	3,651		

The standard VS 2-pipe surface mount models are supplied from the factory with an on-board "Auto" controller mounted on the fan convactor. Also included is a factory-fitted manual 2-way valve set with ¾" Eurocone connections (connections on left side is standard). The casings are finished in white (RAL 9003) and it is possible to powder coat other colors. Accessories and control variations are available. Control variations can be factory installed or via field swap out. Accessories include an "Auto Remote" version with separate wall mounted controller (black or white coloured), useful for ceiling surface mount applications. Also, a 0-10 V control board for use with BMS systems or compatible thermostats. In addition a 24V valve actuator for the factory-fitted valve set is available.

4-PIPE VERSIONS – FOR SURFACE MOUNTING, COMES WITH ON-BOARD AUTO CONTROLLER									
Unit/Model	Overall height	Overall depth	Overall length	Fan speed	Heat output (btuh)		Cooling output (btuh)		Product code
					176/167/68°F		45/54/81°F		
	Dimensions – Nominal Inches				Total	Sensible			
VS 7-4P	23	5-¼	30	Max.	2,798	2,457	1,911	VS74PKIT	
				Med.	2,457	2,082	1,536		
				Min.	1,434	1,058	819		
VS 9-4P	23	5-¼	37	Max.	5,494	5,050	3,924	VS94PKIT	
				Med.	4,709	3,856	2,867		
				Min.	3,174	2,150	1,570		
VS 11-4P	23	5-¼	45	Max.	7,814	7,030	5,255	VS114PKIT	
				Med.	6,688	5,187	3,788		
				Min.	5,187	2,696	2,082		
VS 13-4P	23	5-¼	53	Max.	11,056	8,531	5,255	VS134PKIT	
				Med.	9,657	6,108	3,788		
				Min.	6,688	3,344	2,082		
VS 15-4P	23	5-¼	61	Max.	12,387	10,237	7,883	VS154PKIT	
				Med.	10,339	7,439	5,733		
				Min.	7,132	4,129	3,174		

The standard VS 4-pipe surface mount models are supplied from the factory with an on-board "Auto" controller mounted on the fan convactor. Also included is a factory-fitted manual 2-way valve set with ¾" Eurocone connections (connections on left side is standard). The casings are finished in white (RAL 9003) and it is possible to powder coat other colours. Accessories and control variations are available. Control variations can be factory installed or via field swap out. Accessories include an "Auto Remote" version with separate wall mounted controller (black or white coloured), useful for ceiling surface mount applications. Also, a 0-10 V control board for use with BMS systems or compatible thermostats. In addition a 24V valve actuator for the factory-fitted valve set is available.

iVector S2 VSI models

Outputs

2-PIPE VERSIONS – FOR BUILT-IN MOUNTING, COMES WITH REMOTE WALL MOUNT AUTO CONTROLLER									
Unit/Model	Overall height	Overall depth	Overall length	Fan speed	Heat output (btuh)		Cooling output (btuh)		Product code
					176/167/68°F		45/54/81°F		
	Dimensions – Nominal Inches				Total	Sensible			
VSI 7-2P	23	5-¼	30	Max.	8,326	3,106	2,491	VSI72PKIT	
				Med.	6,859	2,491	1,877		
				Min.	4,607	na	na		
Front Cover 30x30				Min.	4,607	na	na		
VSI 9-2P	23	5-¼	37	Max.	17,710	7,234	5,869	VSI92PKIT	
				Med.	12,352	4,641	3,651		
				Min.	6,927	2,560	2,014		
Front Cover 30x38				Min.	6,927	2,560	2,014		
VSI 11-2P	23	5-¼	45	Max.	24,841	9,589	7,200	VSI112PKIT	
				Med.	17,982	7,098	5,153		
				Min.	10,066	3,924	2,833		
Front Cover 30x46				Min.	10,066	3,924	2,833		
VSI 13-2P	23	5-¼	53	Max.	31,631	11,261	9,247	VSI132PKIT	
				Med.	21,804	8,156	6,279		
				Min.	12,352	4,505	3,481		
Front Cover 30x53				Min.	12,352	4,505	3,481		
VSI 15-2P	23	5-¼	61	Max.	36,647	12,660	9,896	VSI152PKIT	
				Med.	23,442	8,770	6,757		
				Min.	12,455	4,812	3,651		
Front Cover 30x62				Min.	12,455	4,812	3,651		

The standard VSI 2-pipe built-in/flush mount models are supplied as a kit. The kit includes the basic VSI unit along with a factory-fitted control board and a "Auto Remote" wall mounted controller (black or white coloured available). The kit also includes a fitted metal mounting cabinet (installed on-site) as well as free vented metal cover panel in white (RAL 9003) with both inlet and outlet vents built into the cover. The free vented cover panel can be installed both vertically or horizontally to match the installation. To support a ceiling mounted installation with ducted inlet or outlet (for example with a soffit outlet vent), a variety of ducts and grilles are available. A cover panel without an outlet vent for these applications is also available. Also, a 0-10 V control board for use with BMS systems or compatible thermostats. In addition a 24V valve actuator for the factory-fitted valve set is available.

4-PIPE VERSIONS – FOR BUILT-IN MOUNTING, COMES WITH REMOTE WALL MOUNT AUTO CONTROLLER									
Unit/Model	Overall height	Overall depth	Overall length	Fan speed	Heat output (btuh)		Cooling output (btuh)		Product code
					176/167/68°F		45/54/81°F		
	Dimensions – Nominal Inches				Total	Sensible			
VSI 7-4P	23	5-¼	30	Max.	2,798	2,457	1,911	VSI74PKIT	
				Med.	2,457	2,082	1,536		
				Min.	1,434	1,058	819		
Front Cover 30x30				Min.	1,434	1,058	819		
VSI 9-4P	23	5-¼	37	Max.	5,494	5,050	3,924	VSI94PKIT	
				Med.	4,709	3,856	2,867		
				Min.	3,174	2,150	1,570		
Front Cover 30x38				Min.	3,174	2,150	1,570		
VSI 11-4P	23	5-¼	45	Max.	7,814	7,030	5,255	VSI114PKIT	
				Med.	6,688	5,187	3,788		
				Min.	5,187	2,696	2,082		
Front Cover 30x46				Min.	5,187	2,696	2,082		
VSI 13-4P	23	5-¼	53	Max.	11,056	8,531	5,255	VSI134PKIT	
				Med.	9,657	6,108	3,788		
				Min.	6,688	3,344	2,082		
Front Cover 30x53				Min.	6,688	3,344	2,082		
VSI 15-4P	23	5-¼	61	Max.	12,387	10,237	7,883	VSI154PKIT	
				Med.	10,339	7,439	5,733		
				Min.	7,132	4,129	3,174		
Front Cover 30x62				Min.	7,132	4,129	3,174		

The standard VSI 4-pipe built-in/flush mount models are supplied as a kit. The kit includes the basic VSI unit along with a factory-fitted control board and an "Auto Remote" wall mounted controller (black or white coloured available). The kit also includes a fitted metal mounting cabinet (installed on-site) as well as free vented metal cover panel in white (RAL 9003) with both inlet and outlet vents built into the cover. The free vented cover panel can be installed both vertically or horizontally to match the installation. To support a ceiling mounted installation with ducted inlet or outlet (for example with a soffit outlet vent), a variety of ducts and grilles are available. A cover panel without an outlet vent for these applications is also available. Also, a 0-10 V control board for use with BMS systems or compatible thermostats. In addition a 24V valve actuator for the factory-fitted valve set is available.

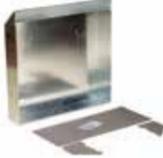
iVector S2 Series Accessories

ACCESSORIES		
Visual	Description	Product code
	Wall Controller, Not connected Wall-mounted remote control. Black White	VSAWMCB VSAWMCW
	Wall fixing pipe covers/feet Cover up supply and return pipes as they enter the unit. Designed to attach to the wall.	VSAWCF
	Floor fixing pipe covers/feet Cover up supply and return pipes as they enter the unit. Designed to attach to the floor.	VSAFCF
	Condensate collector tray Required for horizontally-mounted units in cooling applications. For 2P and 4P versions. For VS 7 For VS 9 For VS 11 For VS 13 For VS 15	VS7ACDP VS9ACDP VS11ACDP VS13ACDP VS15ACDP
	Rear metal cover panel white for 2P versions Cover panel for use when unit is installed in front of windows. For VS 7-2P For VS 9-2P For VS 11-2P For VS 13-2P For VS 15-2P	VS72PRCP VS92PRCP VS112PRCP VS132PRCP VS152PRCP
	Rear metal cover panel white for 4P versions Cover panel for use when unit is installed in front of windows. For VS 7-4P For VS 9-4P For VS 11-4P For VS 13-4P For VS 15-4P	VS74PRCP VS94PRCP VS114PRCP VS134PRCP VS154PRCP

iVector S2 Series Accessories

ACCESSORIES		
Visual	Description	Product code
	Air intake adapter Used with built-in versions when the unit will sit within a false ceiling cavity. Adapter facilitates inlet grille attachment. For VSI 7 For VSI 9 For VSI 11 For VSI 13 For VSI 15	VSI7AADA VSI9AADA VSI11AADA VSI13AADA VSI15AADA
	Variable length air flow duct Used with built-in version where outlet needs to be away from unit. Min length 302 mm, max length 590 mm (12 – 23 inches nominal). For VSI 7 For VSI 9 For VSI 11 For VSI 13 For VSI 15	VSI7ATAD VSI9ATAD VSI11ATAD VSI13ATAD VSI15ATAD
	90° air duct Used with built-in versions where unit will sit in false ceiling cavity and outlet grille will be exposed. Adapter facilitates inlet grille attachment. For VSI 7 For VSI 9 For VSI 11 For VSI 13 For VSI 15	VSI7A90AD VSI9A90AD VSI11A90AD VSI13A90AD VSI15A90AD
	Air outlet grille straight Used with built-in versions. Grille vanes are straight. For VSI 7 For VSI 9 For VSI 11 For VSI 13 For VSI 15	VSI7AAOGS VSI9AAOGS VSI11AAOGS VSI13AAOGS VSI15AAOGS
	Air inlet grille straight Used with built-in versions. Grille vanes are straight. For VSI 7 For VSI 9 For VSI 11 For VSI 13 For VSI 15	VSI7AAIGS VSI9AAIGS VSI11AAIGS VSI13AAIGS VSI15AAIGS
	Air outlet grille curved Used with built-in versions. Grille vanes are curved to direct airflow away from room occupants. For VSI 7 For VSI 9 For VSI 11 For VSI 13 For VSI 15	VSI7AAOGC VSI9AAOGC VSI11AAOGC VSI13AAOGC VSI15AAOGC
	Air inlet grille curved Used with built-in versions. Grille vanes are curved to direct airflow away from room occupants. For VSI 7 For VSI 9 For VSI 11 For VSI 13 For VSI 15	VSI7AAIGC VSI9AAIGC VSI11AAIGC VSI13AAIGC VSI15AAIGC

iVector S2 Series Accessories

ACCESSORIES		
Visual	Description	Product code
	<p>Metal casing for built-in Option for built-in units. Fan convectors mounts directly into metal casing for added protection or if required by local building code..</p> <p>For VSI 7-2P For VSI 9-2P For VSI 11-2P For VSI 13-2P For VSI 15-2P</p> <p>For VSI 7-4P For VSI 9-4P For VSI 11-4P For VSI 13-4P For VSI 15-4P</p>	<p>VSI72PAMC VSI92PAMC VSI112PAMC VSI132PAMC VSI152PAMC</p> <p>VSI74PAMC VSI94PAMC VSI114PAMC VSI134PAMC VSI154PAMC</p>
	<p>Free vented vertical or horizontal casing cover (white) Casing cover with built-in air intake and outlet grille. For use with non-ducted installations using the standard metal casing.</p> <p>For VSI 7-2P For VSI 9-2P For VSI 11-2P For VSI 13-2P For VSI 15-2P</p> <p>For VSI 7-4P For VSI 9-4P For VSI 11-4P For VSI 13-4P For VSI 15-4P</p>	<p>VSI72PAVMC VSI92PAVMC VSI112PAVMC VSI132PAVMC VSI152PAVMC</p> <p>VSI74PAVMC VSI94PAVMC VSI114PAVMC VSI134PAVMC VSI154PAVMC</p>
	<p>Ceiling casing cover Ceiling casing cover with air intake grille and ducted outlet. For use with standard metal casing.</p> <p>For VSI 7-2P For VSI 9-2P For VSI 11-2P For VSI 13-2P For VSI 15-2P</p> <p>For VSI 7-4P For VSI 9-4P For VSI 11-4P For VSI 13-4P For VSI 15-4P</p>	<p>VSI72PAHMC VSI92PAHMC VSI112PAHMC VSI132PAHMC VSI152PAHMC</p> <p>VSI74PAHMC VSI94PAHMC VSI114PAHMC VSI134PAHMC VSI154PAHMC</p>
	<p>Valve Spacer 81 mm spacer for use with return valve when pipe connection is from the floor.</p>	VSAEKEP



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