



# Decarbonisation of buildings made easy VRV 5 S-series

## ① Flexible |

Heat pump technology to fit any commercial building

- Low-height single fan range, **only 869mm high** (for 4,5,6HP unit)
- Automatic **ESP up to 45Pa** allows concealed installation
- Quiet operation via **5 low sound steps**, bringing sound pressure down to 39 dB(A)
- Easy to handle, thanks to 4 handles
- Wide access area to reach all key components

## ② Sustainable |

Significantly reduces the CO<sub>2</sub> footprint of your building

- Reduced indirect impact thanks to **high seasonal efficiency**
  - $\eta_{s,c}$  up to **324.5%**, measured with our most popular units
  - Reduces running costs compared to traditional systems
- Reduced direct impact thanks to **lower GWP R-32 refrigerant**
  - Up to 71% Global Warming Potential reduction compared to R-410A
  - Single component refrigerant, easy to recover and reuse
  - No F-gas inspection needed (up to 7.4kg of total charge)



Only  
**869 mm**  
high

**-71%**

Potential  
global warming  
impact



low sound  
steps



12.1 kW ~ 56.0 kW



14.2 kW ~ 63.0 kW

### ③ Unique Shîrudo Technology | Provides peace of mind

- Suitable for any room size: Shîrudo Technology enables the easy installation of R-32 VRV in any room
- Maximum installation flexibility, thanks to **factory-provided refrigerant control measures**
- No need for complex studies or field supplied equipment
- **Third party certification** according to the product standard IEC60335-2-40



Find out more  
about refrigerant safety standards  
and Shîrudo Technology

### ④ Support | Wide network of experts with specialised advice

- Maximise BREAAAM/LEED score
  - Extra credit thanks to lower GWP of R-32
  - Our accredited professionals assist to optimise the design

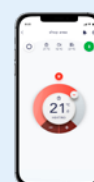
Our online support software, featuring a visual floorplan interface, simplifies design while ensuring compliance with product standards

BREEM®



### ⑤ Widest R-32 portfolio | Match any application

- Widest range of **specifically designed** indoor units and air curtains: 11 unit models in 96 variations
- Plug & play **ventilation solutions** from 150 up to 140.000 m³/h
- Extensive range of **intuitive controllers**:
  - Individual or centralised
  - On-premises or in the Cloud



..... Controllers .....



Outdoor unit RXYSA			4AV1	5AV1	6AV1	4AY1	5AY1	6AY1	8A	10A	12A
Capacity range		HP	4	5	6	4	5	6	8	10	12
Cooling capacity	Prated,c	kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
Heating capacity	Prated, h	kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
	Max.	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
Recommended combination			3x FXSA25A2VEB + 1x FXSA32A2VEB	4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB	3x FXSA25A2VEB + 1x FXSA32A2VEB	4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB	4 x FXSA50A2VEB	4 x FXSA63A2VEB	6 x FXSA50A2VEB
SEER			8.2	7.7	7.6	7.9	7.4	7.3	6.4	6.9	6.5
SCOP			5.1	4.7		4.9	4.5		4.4		4.6
ηs,c		%	324.5	306.1	301.0	312.5	294.8	289.9	251.4	274.2	255.8
ηs,h		%	200.5	185.7	183.6	193.1	178.8	176.8	173.8		182.6
Dimensions	HxWxD	mm	869x1,100x460						1,430x940x320	1,615x940x460	
Weight		kg	102						144	180	
Sound power level	Cooling	dB(A)	67.0	68.1	69.0	67.0	68.1	69.0	73.2	74.0	76.1
	Heating	dB(A)	69.0	70.0	71.0	69.0	70.0	71.0	73.5	74.0	76.0
Sound pressure level	Cooling	dB(A)	49.0	51.0		49.0	51.0		58.1	57.0	60.0
Operation range	Cooling	Min °C	-5 ~ 46						-5 ~ 52		
	Heating	Max °C	-20 ~ 16						-20 ~ 15.5		
Refrigerant	Type/GWP		R-32 / 675.0						R-32 / 675.0		
	Charge	tCO2eq/ kg	3.40/2.30						5.2/3.51	7/4.73	71/4.79
Piping connections	Liquid OD	mm	9.52						9.5		12.7
	Gas OD	mm	15.9						19.1		22.2
	H/P/LP gas OD	mm									
	Tot. pip. length Sys. actual	m	300						300		
Power supply	Phase/Freq./ Voltage	Hz/V	1~/50/220-240			3N~/50/380-415			3N~/50-60/380-415/400		
Current - 50Hz	Max. fuse amps (MFA)	A	32			16			25		32

RXYSA-AV1

RXYSA-AY1



Access all technical details here

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