

# Decarbonisation of buildings made easy VRV 5 Heat Pumps

## ① Flexible |

Heat pump technology to fit any commercial building

- **Extensive piping** lengths and heights to meet any VRV application
- **Quiet operation** via 5 low sound steps, bringing sound pressure down to 41 dB(A)
- **Wide operation range** down to -20°C in heating and up to +46°C in cooling
- Continuous heating during defrost makes VRV 5 an ideal **monovalent heating solution**

## ② Sustainable |

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

- Reduced indirect impact thanks to **high seasonal efficiency**
  - η<sub>s,c</sub> up to **298.3%**, measured with 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
  - F-Gas inspections reduced to just one annual visit



**-71%**  
Potential  
global warming  
impact



low sound  
steps



22.4 kW ~ 56.0 kW



25.0 kW ~ 63.0 kW

Find out all the details on  
the new VRV 5 Heat Pump  
in our webinar



### 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

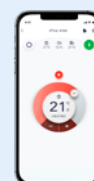
- Maximise BREAAAM/LEED score
  - Extra credit thanks to lower GWP of R-32
  - Our accredited professionals assist to optimise the design

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



### 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 m<sup>3</sup>/h
- Extensive range of **intuitive controllers**:
  - Individual or centralised
  - On-premises or in the Cloud



..... Controllers .....



..... Indoor ..... Ventilation .....

Specifications			Module	Single Units								Multi combinations (continuous heating)				
			RYMA5A	RXYA8A	RXYA10A	RXYA12A	RXYA14A	RXYA16A	RXYA18A	RXYA20A	RXYA10A	RXYA13A	RXYA16A	RXYA18A	RXYA20A	
System	Outdoor unit 1										RYMA5A	RYMA5A	RXYA8A	RXYA8A	RXYA8A	
	Outdoor unit 2										RYMA5A	RXYA8A	RXYA8A	RXYA10A	RXYA12A	
Capacity range		HP	5	8	10	12	14	16	18	20	10	13	16	18	20	
Cooling capacity	Prated,c	kW	14.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0	28	36.4	44.8	50.4	55.9	
Heating capacity	Prated, h	kW	Only for use in multi combinations	22.4	28.0	33.5	40.0	45.0	50.4	56.0	28	36.4	44.8	50.4	55.9	
	Max.	kW		25.0	31.5	37.5	45.0	50.0	56.5	63.0	32	41	50	46.5	62.5	
Recommended combination				4xRYFA50A2VEB	4xRYFA63A2VEB	6xRYFA50A2VEB	1xRYFA50A2VEB + 5xRYFA63A2VEB	4xRYFA63A2VEB + 2xRYFA80A2VEB	3xRYFA50A2VEB + 5xRYFA63A2VEB	8xRYFA63A2VEB	4xRYFA63A2VEB	3xRYFA50A2VEB + 3xRYFA63A2VEB	4xRYFA63A2VEB + 2xRYFA80A2VEB	4xRYFA50A2VEB + 4xRYFA63A2VEB	10xRYFA50A2VEB	
SEER				7.26	7.06	7.04	7.67	6.99	6.87	6.52	7.55	7.42	7.12	7.18	7.16	
SCOP			4.11	4.33	4.49	4.28	4.26	4.39	4.14	4.09	4.11	4.35	4.34	4.38		
ηs,c		%	287.3%	279.3%	278.7%	302.2%	276.6%	271.6%	257.6%	299.1%	293.8%	281.9%	284.1%	283.2%		
ηs,h		%	161.5%	170.2%	176.4%	168.3%	167.5%	172.5%	162.7%	160.6%	161.5%	170.9%	170.5%	172.2%		
Dimensions	HxWxD	mm	1685x930x765			1685x1240x765										
Weight		kg	214			297			320							
Sound power level	Cooling	dB(A)	78.3	78.3	78.8	82.5	79.5	83.7	83.4	87.9	81.3	81.3	81.3	81.6	83.9	
	Heating	dB(A)	79.4	79.4	80.7	83.3	82.9	86.3	85.1	89.6						
Sound pressure level	Cooling	dB(A)	56.3	56.3	58.0	60.8	59.0	61.6	63.0	67.0	59.3	59.3	59.3	60.2	62.1	
Operation range	Cooling/Heating Min/Max °C	°CDB/°CWB	-5 ~ 46/ -20 ~ 16													
Refrigerant	Type/GWP		R-32 / 675.0													
	Charge	tCO2eq/ kg	6.08/9.0			7.16/10.6										
Piping connections	Liquid OD	mm	9.5	9.5	9.5	12.7	12.7	12.7	12.7	12.7	9.5	12.7	12.7	12.7	12.7	
	Gas OD	mm	19.1	19.1	19.1	22.2	22.2	28.6	28.6	28.6	19.1	22.2	28.6	28.6	28.6	
	Equilizing pipe	mm								19.1	19.1	19.1	19.1	19.1		
	Total piping length System actual	m		1000							500					
Power supply	Phase/Frequency/ Voltage	Hz/V	3N~/50/380-415													
Current - 50Hz	Maximum fuse amps (MFA)	A	20	20	25	32	32	40	40	50	40	40	40	50	50	

Access all technical details here

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