



# Decarbonisation of buildings made easy

## VRV 5 Heat Pumps

RXYA-A



### 1 FLEXIBLE

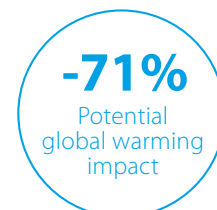
#### Heat pump technology designed to suit any commercial building

- › 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
  - $\eta_{s,c}$  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
  - Reduced leak check requirement in line with F-gas (only 1 inspection/ year up to 74kg of total charge)



22,4 kW ~ 56,0 kW 25,0 kW ~ 63,0 kW

Find out all the details about the new VRV 5 Heat Pumps in our webinar



### 3 UNIQUE SHĪRUDO TECHNOLOGY

#### Provides peace of mind

- › Suitable for any room size: Shīrudo Technology allows 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
- › 3rd party certification according to the product standard IEC60335-2-40



Find out more about refrigerant safety standards and Shīrudo 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 optimize the design

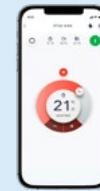
Our online support software with visual floorplan interface makes design easy and ensures compliance with product standards



### 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 centralized
  - On-premises or in the Cloud



CONTROLLERS

## 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 Outdoor unit 2									RYMA5A RYMA5A	RXYA8A RXYA8A	RXYA8A RXYA8A	RXYA8A RXYA10A	RXYA8A RXYA12A
Capacity range		5	8	10	12	14	16	18	20	10	13	16	18	20
Cooling capacity	Prated,c	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 Max.		22,4	28,0	33,5	40,0	45,0	50,4	56,0	28	36,4	44,8	50,4	55,9
Recommended combination										32	41	50	46,5	62,5
SEER		Only for use in multi combinations	4xXFPA50A2VEB	4xXFPA63A2VEB	6xXFPA50A2VEB	1xXFPA50A2VEB + 5xXFPA63A2VEB	4xXFPA63A2VEB	3xXFPA50A2VEB + 5xXFPA63A2VEB	8xXFPA63A2VEB	4xXFPA63A2VEB	3xXFPA50A2VEB + 3xXFPA63A2VEB	4xXFPA63A2VEB	4xXFPA50A2VEB	10xXFPA50A2VEB
SCOP			7,26	7,06	7,04	7,67	6,99	6,87	6,52	7,55	7,42	7,12	7,18	7,16
ηs,c			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,h			287,3%	279,3%	278,7%	302,2%	276,6%	271,6%	257,6%	299,1%	293,8%	281,9%	284,1%	283,2%
Dimensions	HxWxD	1.685x930x765				1.685x1.240x765								
Weight		214			297			320						
Sound power level	Cooling	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	79,4	79,4	80,7	83,3	82,9	86,3	85,1	89,6					
Sound pressure level	Cooling	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		-5 ~ 46 / -20 ~ 16										
Refrigerant	Type/GWP	R-32 / 675,0												
	Charge	6,08/9,0				7,16/10,6								
Piping connections	Liquid OD	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	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													
	Total piping length					1.000				500				
Power supply	Phase/Frequency/ Voltage	3N~/50/380-415												
Current - 50Hz	Maximum fuse amps (MFA)	20	20	25	32	32	40	40	50	40	40	40	50	50

Access all technical details here



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DAICE VRV 5 Heat Pumps flyer 2023-2024 | November 2023  
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