



# Decarbonisation of buildings made easy

## VRV 5 Heat Recovery

### ① Sustainable |

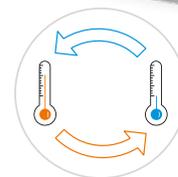
Significantly reduces the CO<sub>2</sub> footprint of your building

- “Free” heat through **efficient 3-pipe heat recovery**, transferring heat from areas requiring cooling to areas requiring heating and vice versa
- 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

### ② Flexible |

Heat pump technology to fit any commercial building

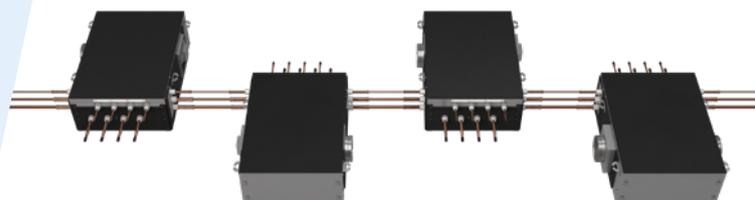
- Unmatched outdoor unit **capacity up to 90kW** in heating (28 HP)
- **Extensive piping** lengths and heights to meet any VRV application
- **Quiet operation** via 5 low sound steps, bringing sound pressure down to **40 dB(A)**
- **Simultaneous cooling & heating** for maximum comfort
- **Completely redesigned BS boxes** for faster installation and easier servicing



“Free” heating through heat recovery

22.4 kW ~ 78.5 kW

25.0 kW ~ 87.5 kW



BSSV box: Faster installation and easier servicing

### 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 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

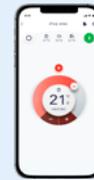
- Maximise BREAAAM/LEED score
  - Extra credit thanks to lower GWP of R-32
  - Our accredited professionals assist to optimise the design

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)								
			REMA5A9	REYA8A9	REYA10A9	REYA12A9	REYA14A9	REYA16A9	REYA18A9	REYA20A9	REYA10A9	REYA13A9	REYA16A9	REYA18A9	REYA20A9	REYA22A9	REYA24A9	REYA26A9	REYA28A9
System	Outdoor unit 1 Outdoor unit 2									REMA5A9	REYA8A9	REYA10A9	REYA12A9	REYA16A9	REYA18A9	REYA20A9	REYA24A9	REYA26A9	REYA28A9
Capacity range	HP	5	8	10	12	14	16	18	20	10	13	16	18	20	22	24	26	28	
Cooling capacity Prated,c	kW		22.4	28.0	33.5	40.0	45.0	50.4	56.0	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	
Heating capacity Prated, h	kW		22.4	28.0	33.5	40.0	45.0	50.4	56.0	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	
Max.	kW		25.0	31.5	37.5	45.0	50.0	56.5	63.0	32.0	41.0	50	56.5	62.5	69.0	75.0	82.5	87.5	
Recommended combination		Only for use in multi combinations	4FVFA50AZVEB	4FVFA63AZVEB	6FVFA50AZVEB	6FVFA50AZVEB + 5FVFA63AZVEB	4FVFA63AZVEB + 2FVFA80AZVEB	3FVFA50AZVEB + 3FVFA63AZVEB	8FVFA63AZVEB	4FVFA63AZVEB	3FVFA50AZVEB + 3FVFA63AZVEB	4FVFA63AZVEB + 2FVFA80AZVEB	4FVFA63AZVEB	10FVFA50AZVEB	6FVFA50AZVEB + 4FVFA63AZVEB	4FVFA63AZVEB + 2FVFA80AZVEB	7FVFA50AZVEB + 5FVFA63AZVEB	6FVFA50AZVEB + 2FVFA80AZVEB	
SEER			7.35	7.14	7.21	7.73	7.10	7.09	6.63	7.62	7.49	7.40	7.26	7.27	7.17	7.16	7.48	7.15	
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	4.41	4.20	4.38	4.36	
ηs,c	%		290.8%	282.6%	285.3%	306.1%	281.0%	280.6%	262.2%	301.9%	296.5%	293.0%	287.5%	287.6%	283.6%	283.4%	296.2%	282.8%	
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%	173.3%	165.2%	172.0%	171.5%	
Dimensions HxWxD	mm		1,685x930x765				1,685x1,240x765												
Weight	kg		213				296				319								
Sound power level	Cooling dB(A)		78.3	78.8	82.5	78.7	83.7	83.4	87.9	81.3			81.6	83.9	84.0	84.8	84.0	86.2	
	Heating dB(A)								82.4			83.1	84.8	85.2	87.1	86.1	88.1		
Sound pressure level	Cooling dB(A)		56.3	58.0	60.8	58.1	61.4	63.0	67.0	59.3			60.2	62.1	62.6	62.6	62.7	64.1	
Operation range Cool./Heat.	Min/Max °C °CDB/°CWB		-5 ~ 46/ -20 ~ 16																
Refrigerant Type/GWP			R-32 / 675.0																
Charge	tCO2eq/kg		9.00/6.08				10.6/7.16												
Piping connections	Liquid OD mm		9.52				12.7				9.52				12.7				
	Gas OD mm		19.1				22.2				19.1				22.2				
	H/P/LP gas OD mm		15.9				19.1				15.9				19.1				
	Tot. pip. length Sys. actual m		1,000																
Power supply	Phase/Freq./Voltage Hz/V		3N~/50/380-415																
Current - 50Hz	Max. fuse amps (MFA) A		20	25	32	40	50	40	50	40	50	63	63	63	63	63	63	63	

Access all technical details here



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