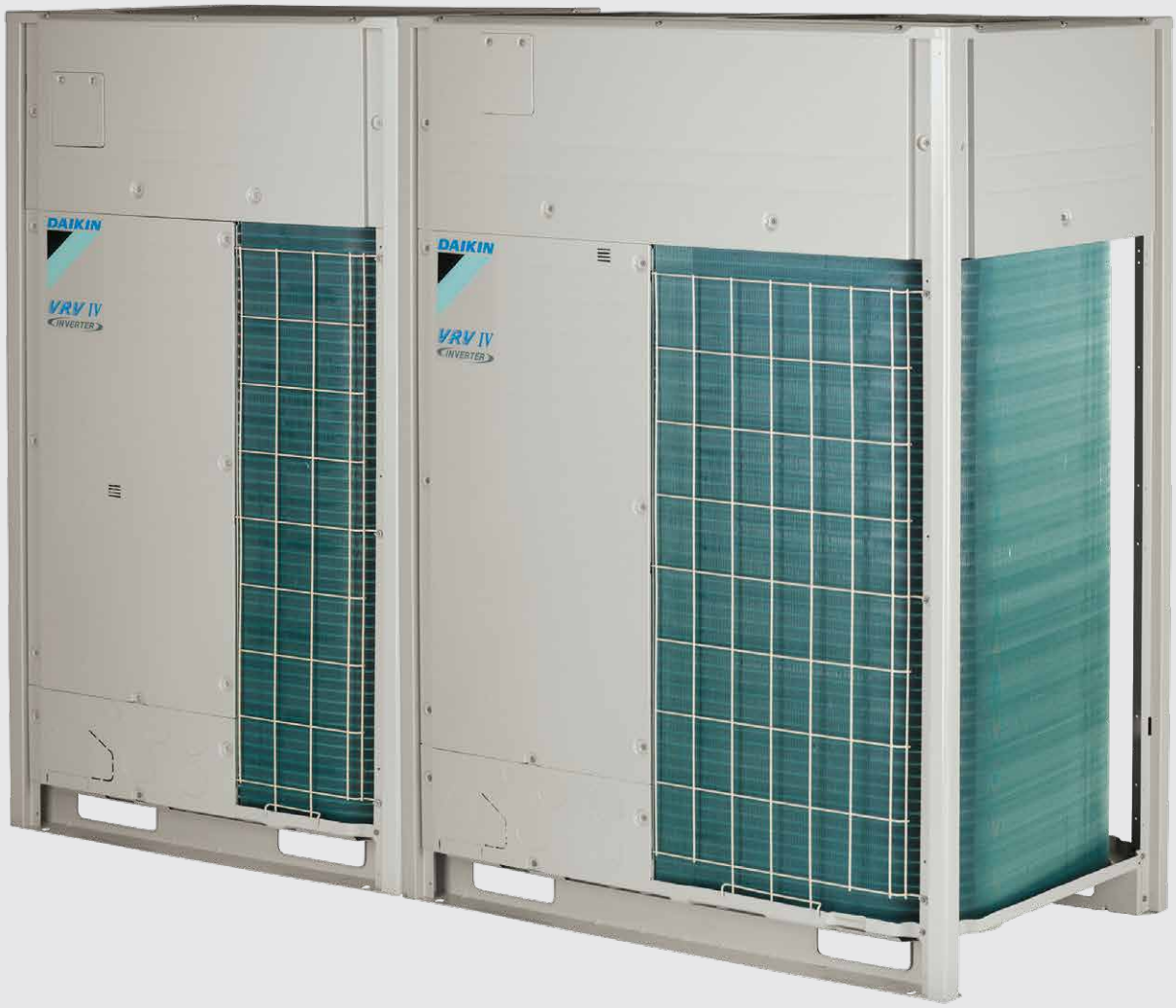
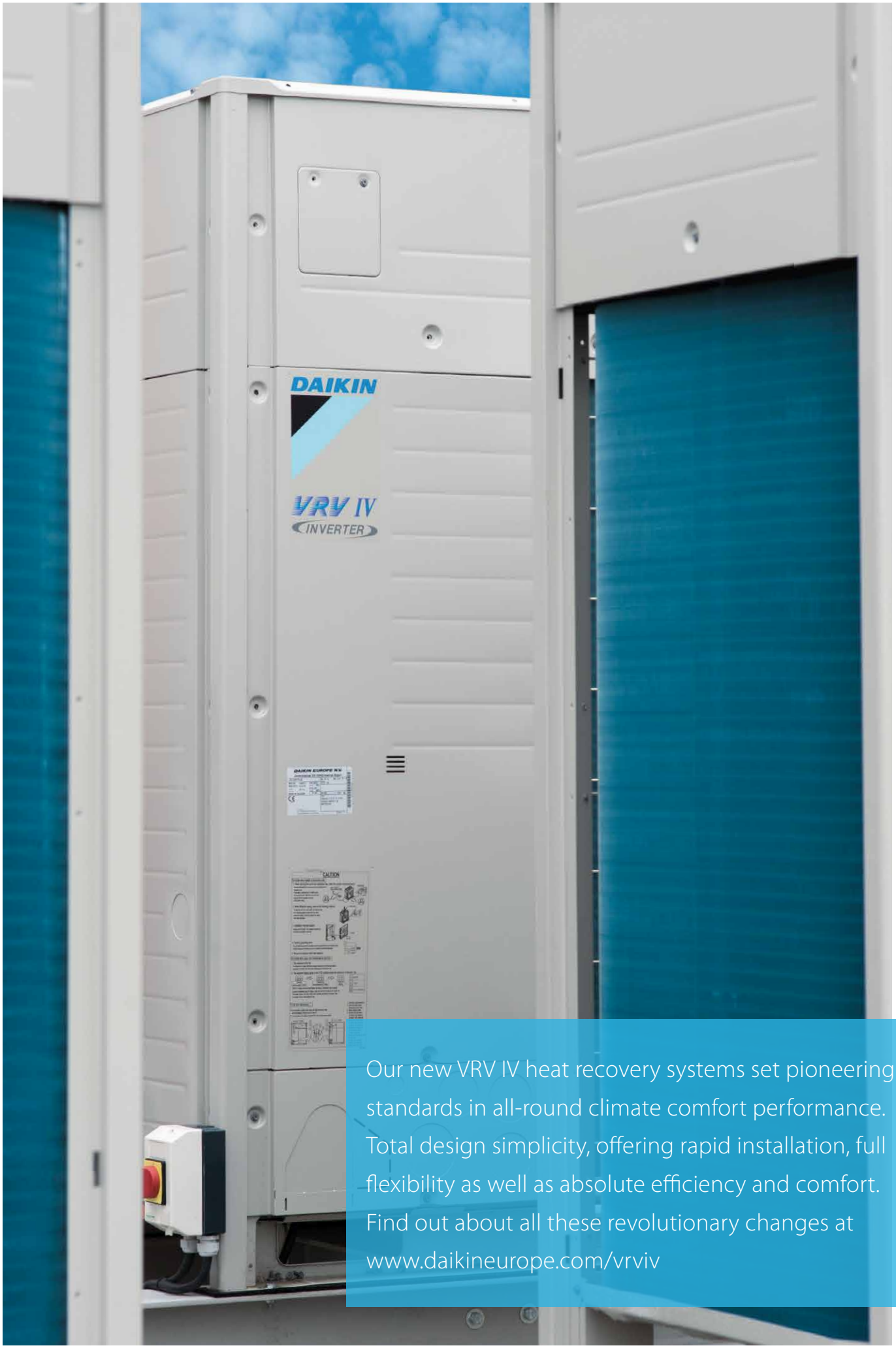
VRV IV

360° efficiency



VRV IV heat recovery



Our new VRV IV heat recovery systems set pioneering standards in all-round climate comfort performance. Total design simplicity, offering rapid installation, full flexibility as well as absolute efficiency and comfort. Find out about all these revolutionary changes at www.daikineurope.com/vrviv

VRV
configurator software

- **Graphical interface**
- **Manage systems over multiple sites in exactly the same way**
- **Retrieve initial settings**

Simplified commissioning

The VRV configurator is an advanced software solution that allows for easy system configuration and commissioning.

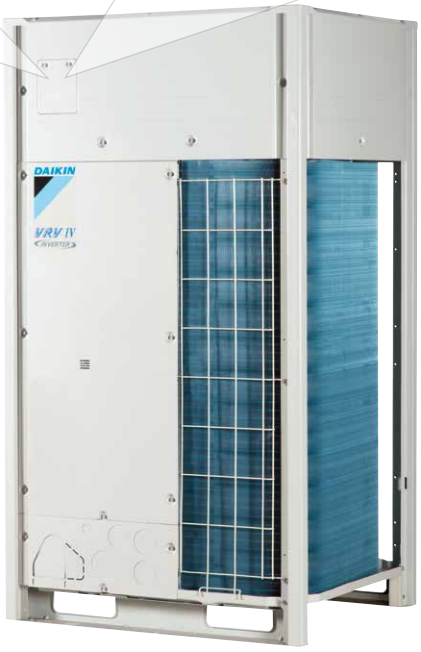
- Less time is required on the roof to configure the outdoor unit
- Multiple systems at different sites can be managed in exactly the same way, providing simplified commissioning for key accounts
- Initial settings on the outdoor unit can be easily retrieved

Simplified servicing

The user-friendly display for outdoor units simplifies basic servicing tasks.

- Easy-to-read error report
- Easy-to-understand menu indicates quick and easy on-site settings
- Easy-to-follow parameters for checking basic functions: high pressure, low pressure, frequency and operation time, compressor history, temperature of discharge/suction pipe.

User-friendly interface instead of push buttons



3-digit 7-segment display

VRV IV outdoor unit
products overview

REYQ-T

VRV IV

VRV IV heat recovery

- Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8!
- Covers all thermal needs of a building via single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- 'Free' heating and hot water through heat recovery
- Perfect personal comfort for guests/tenants via simultaneous cooling and heating
- Incorporates VRV IV standards and technologies such as variable refrigerant temperature and continuous heating
- Unique range of single- and multi BS boxes

RYYQ-T

RXYQ-T(9)

VRV IV

VRV IV heat pump

- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- Can be connected to stylish indoor units (Daikin Emura, Nexura)
- Incorporates VRV IV standards and technologies such as variable refrigerant temperature and continuous heating

RXYQQ-T

VRV IV Q-series

Replacement VRV IV

- Cost-effective and fast replacement through re-use of existing piping
- Up to 40% more efficient than R-22 systems
- No interuption of daily business while replacing your system
- Replace Daikin and other manufacturers' systems safely
- Incorporates VRV IV standards and technologies such as variable refrigerant temperature

RWEYQ-T

VRV IV W-series

Water cooled VRV IV

- Reduces CO_2 emissions by using geothermal energy as an energy source
- Geothermal mode eliminates need for an external heating or cooling source
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- Compact and lightweight design can be stacked for maximum space saving
- Incorporates VRV IV standards and technologies such as variable refrigerant temperature
- Variable water flow control option increases flexibility and control

VRV IV heat recovery

Outdoor system					REYQ	8T	10T	12T	14T	16T	18T	20T
Capacity range					HP	8	10	12	14	16	18	20
Cooling capacity	Nom.				kW	22.4 (1) (2)	28.0 (1) (2)	33.5 (1) (2)	40.0 (1) (2)	45.0 (1) (2)	50.4	56.0
Heating capacity	Nom.				kW	22.4 (3) (4)	28.0 (3) (4)	33.5 (3) (4)	40.0 (3) (4)	45.0 (3) (4)	50.4	56.0
	Max.				kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Power input - 50Hz	Cooling	Nom.			kW	5.31 (1) / 4.56 (2)	7.15 (1) / 6.19 (2)	9.23 (1) / 8.31 (2)	10.7 (1) / 9.61 (2)	12.8 (1) / 11.9 (2)	15.2	18.6
	Heating	Nom.			kW	4.75 (3) / 4.47 (3)	6.29 (3) / 5.47 (3)	8.05 (3) / 6.83 (3)	9.60 (3) / 9.37 (3)	11.2 (3) / 9.88 (3)	12.3	14.9
		Max.			kW	5.51	7.38	9.43	11.3	12.9	14.3	17.5
EER						4.22 (1) / 4.92 (2)	3.92 (1) / 4.52 (2)	3.63 (1) / 4.03 (2)	3.74 (1) / 4.16 (2)	3.52 (1) / 3.79 (2)	3.32	3.01
COP - Max.						4.54	4.27	3.98		3.88	3.95	3.60
COP - Nom.						4.72 (3) / 5.01 (3)	4.45 (3) / 5.12 (3)	4.16 (3) / 4.90 (3)	4.17 (3) / 4.27 (3)	4.02 (3) / 4.56 (3)	4.10	3.76
ESEER						7.41	7.37	6.84	7.05	6.63	6.26	5.68
Maximum number of connectable indoor units						64 (5)						
Indoor index connection	Min./Nom./Max.					100/200/260	125/250/325	150/300/390	175/350/455	200/400/520	225/450/585	250/500/650
Dimensions	Unit	HeightxWidthxDepth			mm	1,685x930x765			1,685x1,240x765			
Weight	Unit				kg	210	218		304	305	337	
Fan	Air flow rate	Cooling	Nom.		m^3/min	162	175	185	223	260	251	261
Sound power level	Cooling	Nom.			dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.			dBA	58		61		64	65	66
		Night	Level 1		dBA	56	58	58	58	58	60	60
		Quiet	Level 2		dBA	55	54	54	52	52	52	52
		Mode	Level 3		dBA	53	52	52	47	47	48	48
Operation range	Cooling	Min.~Max.			°CDB	-5.0~43.0						
	Heating	Min.~Max.			°CWB	-20~15.5						
Refrigerant	Type / GWP					R-410A / 2,087.5						
	Charge				kg/TCO_2	9.7/20.2	9.8/20.5	9.9/20.7	11.8/24.6			
Piping connections	Liquid	OD			mm	9.52		12.7		15.9		
	Gas	OD			mm	19.1	22.2	28.6				
	Discharge gas	OD			mm	15.9	19.1		22.2			28.6
	Total piping length	System	Actual		m	1,000						
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)				A	20	25		32	40		50

Outdoor system					REYQ	10T	13T	16T	18T	20T	22T	24T	26T	28T	30T	32T
System	Outdoor unit module 1					REMQ5T			REYQ8T		REYQ10T	REYQ8T		REYQ12T		REYQ16T
	Outdoor unit module 2					REMQ5T	REYQ8T		REYQ10T	REYQ12T		REYQ16T	REYQ14T	REYQ16T	REYQ18T	REYQ16T
Capacity range					HP	10	13	16	18	20	22	24	26	28	30	32
Cooling capacity	Nom.				kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
Heating capacity	Nom.				kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
	Max.				kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	94.0	100.0
Power input - 50Hz	Cooling	Nom.			kW	6.34	8.48	10.62	12.46	14.54	16.38	18.11	19.93	22.03	24.43	25.6
	Heating	Nom.			kW	5.42	7.46	9.50	11.04	12.80	14.34	15.95	17.65	19.25	20.35	22.4
		Max.			kW	6.50	8.76	11.02	12.89	14.94	16.81	18.41	20.73	22.33	23.73	25.8
EER						4.42	4.29	4.22	4.04	3.84	3.75	3.72	3.69	3.56	3.43	3.52
COP - Max.						4.92	4.68	4.54	4.38	4.18	4.10	4.07	3.98	3.92	3.96	3.88
COP - Nom.						5.17	4.88	4.72	4.57	4.37	4.29	4.23	4.16	4.08	4.12	4.02
ESEER - Automatic						7.77	7.54	7.41	7.38	7.06	7.07	6.87	6.95	6.72	6.48	6.63
ESEER - Standard						6.55	6.36	6.25	5.98	5.68	5.54	5.46	5.41	5.23	5.03	5.14
Maximum number of connectable indoor units						64										
Indoor index connection	Min.					125	162.5	200	225	250	275	300	325	350	375	400
	Nom.					250	325.0	400	450	500	550	600	650	700	750	800
	Max.					325	422.5	520	585	650	715	780	845	910	975	1,040
Piping connections	Liquid	OD			mm	9.52	12.7		15.9				19.1			
	Gas	OD			mm	22.2	28.6					34.9				
	Discharge gas	OD			mm	19.1		22.2			28.6					
	Total piping length	System	Actual		m	500					1,000					
Current - 50Hz	Maximum fuse amps (MFA)				A	40					50	63				80
Continuous heating						v										

Outdoor system					REYQ	34T	36T	38T	40T	42T	44T	46T	48T	50T	52T	54T
System	Outdoor unit module 1					REYQ16T		REYQ8T		REYQ10T	REYQ12T	REYQ14T		REYQ16T		REYQ18T
	Outdoor unit module 2					REYQ18T	REYQ20T	REYQ12T			REYQ16T				REYQ18T	
	Outdoor unit module 3					-		REYQ18T			REYQ16T				REYQ18T	
Capacity range					HP	34	36	38	40	42	44	46	48	50	52	54
Cooling capacity	Nom.				kW	95.4	101.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Nom.				kW	95.4	101.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
	Max.				kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Power input - 50Hz	Cooling	Nom.			kW	28.0	31.4	29.74	31.58	32.75	34.83	36.3	38.4	40.8	43.2	45.6
	Heating	Nom.			kW	23.5	26.1	25.10	26.64	28.69	30.45	32.00	33.6	34.7	35.8	36.9
		Max.			kW	27.2	30.4	29.24	31.11	33.18	35.23	37.1	38.7	40.1	41.5	42.9
EER						3.41	3.22	3.57	3.54	3.60	3.55	3.58	3.52	3.44	3.38	3.32
COP - Max.						3.92	3.72	4.07	4.03	3.96	3.90	3.91	3.88	3.90	3.93	3.95
COP - Nom.						4.06	3.87	4.24	4.20	4.11	4.06		4.02	4.05	4.07	4.10
ESEER - Automatic						6.43	6.06	6.66	6.68	6.79	6.68	6.75	6.63	6.49	6.37	6.26
ESEER - Standard						4.97	4.70	5.25	5.20	5.28	5.20	5.23	5.14	5.03	4.93	4.84
Maximum number of connectable indoor units						64										
Indoor index connection	Min.					425	450	475	500	525	550	575	600	625	650	675
	Nom.					850	900	950	1,000	1,050	1,100	1,150	1,200	1,250	1,300	1,350
	Max.					1,105	1,170	1,235	1,300	1,365	1,430	1,495	1,560	1,625	1,690	1,755
Piping connections	Liquid	OD			mm	19.1										
	Gas	OD			mm	34.9	41.3									
	Discharge gas	OD			mm	28.6		34.9								
	Total piping length	System	Actual		m	1,000										
Current - 50Hz	Maximum fuse amps (MFA)				A	80			100			125				
Continuous heating						v										

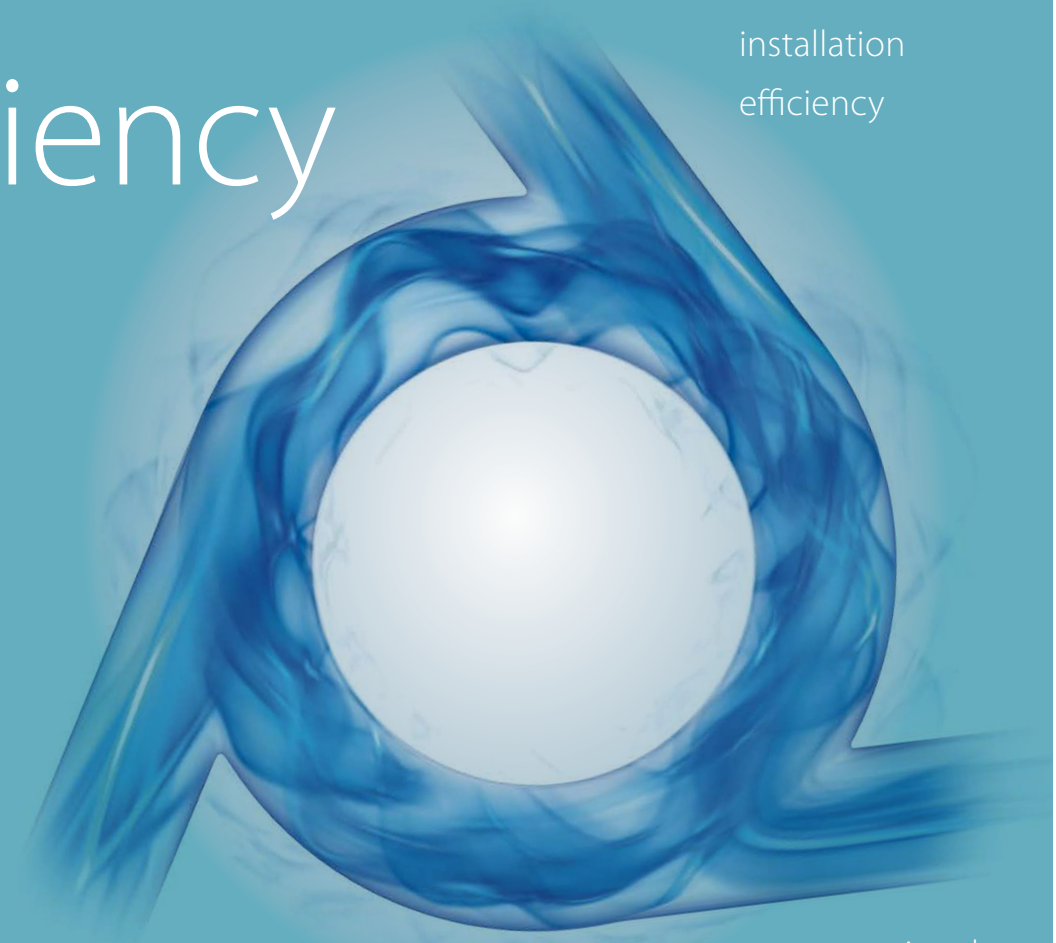
Outdoor unit module					REMQ	5T
Dimensions	Unit	HeightxWidthxDepth			mm	1,685x930x765
Weight	Unit				kg	210
Fan	Air flow rate	Cooling	Nom.		m^3/min	162
Sound power level	Cooling	Nom.			dBA	77
Sound pressure level	Cooling	Nom.			dBA	56
Operation range	Cooling	Min.~Max.			°CDB	-5.0~43.0
	Heating	Min.~Max.			°CWB	-20~15.5
Refrigerant	Type / GWP					R-410A / 2,087.5
	Charge				kg/TCO_2Eq	9.7/20.2
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)				A	20

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series. (2) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified. (3) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series. (4) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified. (5) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%)

VRV IV Heat Recovery

360° efficiency

installation efficiency



design efficiency

operational efficiency

FAST design + QUICK installation + MORE free heat + MAX comfort

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