# New VRV IV C<sup>+</sup>series, designed for even the coldest regions

## **DAIKIN** OPTIMISED HEATING

WY II

- 100% varmingskapasitet ned til -15 ° C
- \* Varmgassløyfe i bunnpanne
- \* Opptil 5 timer mellom avriming





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VRVIE



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**ARGUE CARDS** (~)

NYHET

**R-32** 

# Welcome the next generation of VRV

Lower CO, equivalent and market-leading flexibility

### Top sustainability

- ☑ Reduced CO<sub>2</sub> equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- ☑ Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency

### Market-leading serviceability and handling

- ☑ Low-height single fan range
- ☑ Easy to transport thanks to lightweight and compact design
- ☑ Wide access area to easily reach all key components

### Market-leading flexibility

- ☑ Offering like-for-like R-410A flexibility
- Specially designed indoor units for R32, ensuring low sound and maximum efficiency
- ☑ New 10 class indoor unit



Already fully complia to LOT 21 - Tier 2



¥₹¥



Certified Allocated Quantity

# CERTIFIED VIOCHTON VI

Daikin launches new VRV ranges with Certified Reclaimed Refrigerant Allocation,

# reusing existing refrigerant

Now it's easier to make a positive choice to reduce the environmental impact of your air conditioning systems by choosing VRV IV<sup>+</sup> Heat Recovery and VRV IV S-series units with Certified Reclaimed Refrigerant Allocation.

#### Exclusive to Daikin, a substantial amount of reclaimed refrigerant is now used in our units and:

- > Is independently certified as the same quality as virgin refrigerant
- > Is administratively allocated 100% to VRV IV+ Heat Recovery and VRV IV S-series units
- > Has zero impact on F-gas guota, as reclaimed and reused within Europe
- > Saves more than 150,000 kg of virgin gas being manufactured each year > Supports the development of a circular economy in our industry

# Towards a circular economy of refrigerants







### But VRV is more... standard VRV features

#### Low running costs

- > Precise zone control
- > All inverter compressors
- (INVERTER)

ALL

> Running costs of a water-based fan coil unit can be 40 to 72% higher compared to a VRV heat recovery system



52°C DB

### Great design flexibility

- > Solutions for every climate, from -25 to +52°C
- > Long refrigerant piping
- > Zone by zone phased installation
- > Outdoor units can be installed indoors
- > Use one outdoor unit for multiple tenants
- > Compact units require up to 29% less space than traditional water based systems, offering more lettable space and avoiding the need for structural reinforcement



multi tenant

-20C° DB





-25C° WB 15.5°C WB

....

max. 398kg for a 20HP unit

space

- containment check

- > Low indoor sound levels down to 19 dBA

### Reliable

- > Special anti corrosion treatment of the heat exchanger provides
- 5 to 6 times greater resistance against corrosion
- > Duty cycling extends operation life
- > Sequential start
- Only brazed connections



### 3 options:





### VRV for offices and banks

Efficiency in the workplace



Efficient building and facilities management are key to minimising operational costs

#### Our solutions for offices:

- > Unique cassette integrating fully flat into architectural ceilings
- > Intelligent sensors
- maximise efficiency by switching off the unit if there is nobody in the (meeting) room - maximise comfort by directing the air flow away from people to avoid cold draughts
- > A complete Daikin mini Building Energy Management System (BEMS), with the Intelligent Touch Manager
- > Plug & play connection to air handling units for a healthier office atmosphere
- > Hot water production for sanitary use (e.g. kitchens) and space heating (e.g. underfloor loops)
- > Truly reliable technical cooling down to -20°C, including duty/standby function





www.youtube.com/ DaikinEurope



### VRV for hotels

Hospitality with economy



Maximum guest comfort, while keeping control of your costs.

### Our solutions for hotels:

- > Low cost heating and hot water by recovering heat from areas requiring cooling
- > The perfect personal environment for guests by
- simultaneously heating spaces while cooling others > Concealed ceiling units offer very low sound levels
- ensuring a good night's rest > Smart energy management via Intelligent Touch Manager puts the hotel owner in full control of energy costs
- > Intelligent and user-friendly hotel room controllers change the set point automatically when a guest leaves the room or opens the window
- > Easy integration in hotel booking software
- > Hot water production for bathrooms, underfloor heating and radiators up to 80°C

### Check on You Tube www.youtube.com/

DaikinEurope





Bank / Retail







VRV



Affordable & efficient solutions minimize lifetime costs.

### Our retail solutions:

- Compact inverter heat pump technology > Unique round flow cassettes with autocleaning panel saving up to 50% of energy use compared to standard cassette units
- > Intuitive touch screen intelligent Tablet Controller allowing multi site control via the Daikin Cloud Service
- > Individual control of each indoor unit or shop zone
- > Savings on runningcost via pre/post trade modes, limiting energy use by lights, air conditioning, ...
- > The most efficient open-door solution with Biddle air curtains

- - level
    - you are via the cloud
    - > Up to 9 indoor units that can be connected to one outdoor unit

-62



### for residential use

### There is no place like home



#### Want to know more about our commercial solutions?



A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort

#### Our residential solutions:

- > Lower CO<sub>2</sub> emissions compared to traditional heating systems
- > Compact outdoor unit design with a low sound
- > Whisper-quiet indoor units down to 19dBA
- > Control and manage your system from anywhere



www.youtube.com/ DaikinEurope

#### Residential





### VRV 5 outdoor unit overview





NYHET

**R-32** 

### VRV 5 indoor unit overview

														cu	puci	cy class (icrr)	_
Туре	Model	Pr	oduct name	10	15	20	25	32	40	50	63	71	80	100	125	140 200 250	
nted cassette	UNIQUE Round flow cassette	<ul> <li>360° air discharge for optimum efficiency and comfort</li> <li>Auto cleaning function ensures high efficiency</li> <li>Intelligent sensors save energy and maximize comfort</li> <li>Flexibility to suit every room layout</li> <li>Lowest installation height in the market!</li> <li>Widest choice ever in decoration panel designs and colors</li> </ul>	FXFA-A			•	•	•	•	•	•		•	•	•	Black desig pan	c and gner nels
Ceiling mour	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling <ul> <li>Perfect integration in standard architectural ceiling tiles</li> <li>Blend of iconic design and engineering excellence</li> <li>Intelligent sensors save energy and maximize comfort</li> <li>Small capacity unit developed for small or well-insulated rooms</li> <li>Flexibility to suit every room layout</li> </ul>	FXZA-A		•	•	•	•	•	•							
l ceiling	Slim concealed ceiling unit	Slim design for flexible installation         > Compact dimensions enable installation in narrow ceiling voids         > Medium external static pressure up to 44Pa         > Only grilles are visible         > Small capacity unit developted for small of well-insulated rooms         > Reduced energy consumption thanks to DC fan motor	FXDA-A		•	•	•	•	•	•	•					Auto cle filter o	eaning option
Concealed	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market!  Slimmest unit in class, only 245mm Low operating sound level Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSA-A		•	•	•	•	•	•	•		•	•	•	•	
Coolin	g capacity (kW	י(			1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0 22.4 28.0	
Heatin	g capacity (kW	)2			1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0 25.0 31.5	

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m (2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m



# Next generation **VRV**



-65-



**R-32** 

#### Compact dimensions

Easy to transport thanks to compact size and single-fan design

NYHET

### • Refrigerant cooled PCB

With integrated:

- > cool/heat selector input
- > 7-segment display for quicker and more precise error and setting reading

### New stop valves

 Repositioned to allow front or side connection

> Brazed for increased reliability



### **VRV 5 S-series**

#### Lower CO, equivalent and market-leading flexibility

- $\rightarrow$  Reduced CO<sub>2</sub> equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- > Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- > Low-height single fan range
- > Easy to transport thanks to lightweight and compact design
- > Wide access area to easily reach all key components
- > Offering like-for-like R-410A flexibility
- > Specially designed indoor units for R-32, ensuring low sound and maximum efficiency



**300 m** total piping length



**R-32** 



Reduced CO, equivalent



Like-for-like R-410A installation flexibility

Published data with real-life indoor units

rP 202

NYHET

Outdoor unit					RXYSA4AV1	RXYSA5AV1	RXYSA6AV1	RXYSA4AY1	RXYSA5AY1	RXYSA6AY1			
Capacity range				HP	4	5	6	4	5	6			
Cooling capacity	Prated,c			kW	12.1	14.0	15.5	12.1	14.0	15.5			
Heating capacity	Prated,h			kW	8.4	9.7	10.7	8.4	9.7	10.7			
	Max.	6°CWB		kW	14.2	16.0	18.0	14.2	16.0	18.0			
Recommended con	nbination				3xFXSA25 +	4xFXSA32	2xFXSA32+	3xFXSA25 +	4xFXSA32	2xFXSA32+			
					1xFXSA32		2xFXSA40	1xFXSA32		2xFXSA40			
ηs,c				%	324.5	306.1	301.0	312.5	294.8	289.9			
ηs,h				%	200.5	185.7	183.6	193.1	178.8	176.8			
SEER					8.2	7.7	7.6	7.9	7.4	7.3			
SCOP					5.1	4.7	4.7	4.9	4.5	4.5			
Maximum number	of connectabl	e indoor un	its				64	4 (1)					
Indoor index	Min.				50	62.5	70	50	62.5	70			
connection	Nom.				100	125	140	100	125	140			
	Max.				130	162.5	182	130	162.5	182			
Dimensions	Unit	HeightxW	/idthxDepth	mm			870x1,1	00x460					
Weight	Unit		· ·	kg		103			102				
Sound power level	Cooling	Nom.		dBA	67	68.1	69	67	68.1	69			
·	Heating	Nom.		dBA	68	69.2	70	68	69.2	70			
Sound pressure level	Cooling	Nom.		dBA	49	51	51	49	51	51			
·	Heating	Nom.		dBA	50	52	52	50	52	52			
Operation range	Cooling	Min.~Max	ζ.	°CDB			-5.0 -	~ 46.0					
	Heating	Min.~Max	ς.	°CWB			-20.0	~ 15.5					
Refrigerant	Tvpe/GWP						R-32	2/675					
<u>j</u>	Charge			kg/TCO2Eq			3.4	/ 2.3					
Piping connections	Liquid	OD		mm			9	.52					
	Gas	OD		mm			1:	5.9					
	Total piping length	system	Actual	m			3	00					
	Height Difference	OU-IU	Outdoor unit in highest position	m			5	50					
			Indoor unit in highest position	m			2	10					
Power supply	Phase/Frequ	ency/Voltag	ge	Hz/V		1~/50/220-240			3~/50/380-415				
Current - 50Hz	Maximum fu	ise amps (M	FA)	A	A 32 16								

\*Note: blue cells contain preliminary data

(1) Actual number of units depends on the indoor unit type and the connection ratio restriction for the system (being 50% <= 130%)

### **NEW** FXFA-A





#### 360° air discharge for optimum efficiency and comfort

- > Optimised design for R-32 refrigerant
- > Optional automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Widest choice ever in decoration panels: Designer, standard and
- autocleaning panels in white (RAL9010) and black (RAL9005) > Bigger flaps and unique swing pattern improve equal air
- distribution
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Lowest installation height in the market: 214mm for class 20-63
- > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in
- irregular shaped rooms or to supply air to small adjacent rooms
- > Standard drain pump with 675mm lift increases flexibility and installation speed





Indoor unit				FXFA	20A	25A	32A	40A	50A	63A	80A	100A	125A	
Cooling capacity	Total capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating capacity	Total capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	
Power input - 50Hz	Cooling	Nom.		kW		0	.04		0.05	0.06	0.09	0.12	0.19	
	Heating	Nom.		kW		0	.04		0.05	0.06	0.09	0.11	0.18	
Dimensions	Unit	HeightxW	VidthxDepth	mm			204x84	40x840			246x84	10x840	288x840x840	
Weight	Unit			kg		19		20		21	2	4	26	
Casing	Material							Galva	nised steel	plate				
Decoration panel	Model				Standar	d panels: B	YCQ140E - wl	hite with gre	y louvers /	BYCQ140EW	/ - full white	/ BYCQ140E	B - black	
						Au	to cleaning	panels BYCC	0140EGF - w	hite / BYCQ	140EGFB - bl	ack		
							Designer p	anels: BYCQ	140EP - whi	te / BYCQ14	DEPB - black			
	Dimensions	HeightxW	VidthxDepth	mm	Standa	rd panels: 5	0x950x950/	Auto cleani	ng panels: 1	30x950x950	) / Designer	panels: 50x	950x950	
	Weight			kg		Stand	dard panels:	5.4 / Auto cl	eaning pan	els: 10.3 / De	esigner pane	els: 5.4		
Fan	Air flow rate -	Cooling	Low/High	m³/min		8.8/12.5		9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0	
	50Hz	Heating	Low/High	m³/min		8.8/12.5		9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0	
Air filter	Туре								Resin net	_				
Sound power level	Cooling	High		dBA		49		5	51	53	55	60	61	
Sound pressure	Cooling	Low/Nom	n./High	dBA		28.0/29.0/31	.0	29.0/3	1.0/33.0	30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0	
level	Heating	Low/Nom	n./High	dBA		28.0/29.0/31	.0	29.0/3	1.0/33.0	30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0	
Refrigerant	Type/GWP								R-32 / 675					
Piping connections	Liquid	OD		mm				6.35				9.	52	
	Gas	OD		mm		9.52			1.	2.7		15	5.9	
	Drain				VP25 (O.D. 32 / I.D. 25)									
Power supply	Phase/Frequer	ncy/Voltage	e	Hz/V				1~/50	/60/220-24	0/220				
Current - 50Hz	Maximum fuse	e amps (MF/	A) (1)	A					16					
Control systems	Infrared remot	te control						BI	RC7FA532F	(2)				
	Wired remote	control						B	RC1H52W/S	/K				
(1) MEA is used to select	the circuit breaker	and the grou	und fault circuit i	ntorruptor (o	arth loakago	circuit breake	r) Eor moro do	tailed informat	ion on oach c	ombination r	losso refer to t	he electrical d	lata drawing	

\*Note: blue cells contain preliminary data







BRC1H52W

BRC7FA532F



White panel







Black panel



Black design pane

### Fully flat cassette

### Unique design in the market that integrates fully flat into the ceiling

- > Optimised design for R-32 refrigerant
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed





Indoor unit			FXZA	15A	20A	25A	32A	40A	50A				
Cooling capacity	Total capacity	Nom.	kW	1.7	2.2	2.8	3.6	4.5	5.6				
Heating capacity	Total capacity	Nom.	kW	1.9	2.5	3.2	4.0	5.0	6.3				
Power input - 50Hz	Cooling	Nom.	kW		0.043		0.045	0.059	0.092				
	Heating	Nom.	kW		0.036		0.038	0.053	0.086				
Dimensions	Unit	HeightxWidthxDepth	mm			260x5	75x575						
Weight	Unit		kg		15.5		16	i.5	18.5				
Casing	Material					Galvanised	l steel plate						
Decoration panel	Model					BYFQ60	C2W1W						
	Colour					White	(N9.5)						
	Dimensions	HeightxWidthxDepth	mm			46x62	0x620						
	Weight		kg			2	.8						
Decoration panel 2	Model					BYFQ6	0C2W1S						
	Colour					SIL	VER						
	Dimensions	HeightxWidthxDepth	mm			46x62	0x620						
	Weight		kg			2	.8						
Decoration panel 3	Model					BYFQ6	0B2W1						
	Colour					White (F	RAL9010)						
	Dimensions	HeightxWidthxDepth	mm			55x70	0x700						
	Weight		kg			2	.7						
Decoration panel 4	Model					BYFQ6	0B3W1						
	Colour					WHITE (I	RAL9010)						
	Dimensions	HeightxWidthxDepth	mm			55x70	0x700						
	Weight		kg			2	.7						
Fan	Air flow rate -	Cooling Low/High	m³/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5				
	50Hz	Heating Low/High	m³/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5				
Air filter	Туре					Resi	n net						
Sound power level	Cooling	High	dBA	4	9	50	51	54	60				
Sound pressure	Cooling	Low/Nom./High	dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0				
level	Heating	Low/Nom./High	dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0				
Refrigerant	Type/GWP			R-32 / 675									
Piping connections	Liquid	OD	mm	mm 6.35									
	Gas	OD	mm		9.	.52		12	2.7				
	Drain					VP20 (I.D.	20/O.D. 26)						
Power supply	Phase/Frequer	ncy/Voltage	Hz/V			1~/50/60/2	20-240/220						
Current - 50Hz	Maximum fuse	amps (MFA)	A			1	6						
Control systems	Infrared remot	e control		BRC7EB	530W (standard p	anel) / BRC7F530\	V (white panel) / I	BRC7F530S (grey p	oanel) (1)				
	Wired remote of	control				BRC1H5	S2W/S/K						

Dimensions do not include control box

(1) Must be combined with Madoka wired remote controller.

\*Note: blue cells contain preliminary data



**R-32** 

NYHET

**NEW** FXDA-A

### Slim concealed ceiling unit

### Slim design for flexible installation

- > Optimised design for R-32 refrigerant
- > 10 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Optional auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Flexible installation, as the air suction direction can be altered from rear to bottom suction
- Standard drain pump with 750mm lift increases flexibility and installation speed

SERIE A (15, 20, 25, 32)







Indoor unit			FXDA	10A	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	Nom.	kW	1.3	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.	kW	0.062		0.	071		0.078	0.099	0.110
	Heating	Nom.	kW	0.058		0.	068		0.075	0.096	0.107
Required ceiling vo	id >		mm				2	40			
Dimensions	Unit	HeightxWidthxDepth	mm			200x750x62	)		200x9	50x620	200x1,150x620
Weight	Unit		kg	22.5		2	2.0		26	5.0	29.0
Casing	Material						Galvani	sed steel			
Fan	Air flow rate - 50Hz	Cooling Low/High	m³/min	4/5.7	6.4/7.5		6.4/8.0		8.5/10.5	10.0/12.5	13.0/16.5
	External static	Nom./High	Pa			10/30.0				15/44.0	
	pressure - 50Hz	1									
Air filter	Туре						Removable	/ washable			
Sound power level	Cooling	High	dBA	48	50		51		52	53	54
Sound pressure level	Cooling	Low/Nom./High	dBA	24/26/27	27.0/31.0/32.0		27.0/31.0/33.0		28.0/32.0/34.0	29.0/33.0/35.0	30.0/34.0/36.0
Refrigerant	Type/GWP						R-32	/ 675			
Piping connections	Liquid	OD	mm				6	35			
	Gas	OD	mm			9.52				12.7	
	Drain						VP20 (I.D.	20/O.D. 26)			
Power supply	Phase/Frequen	cy/Voltage	Hz/V				1~/50/60/2	20-240/220			
Current - 50Hz	Maximum fuse	amps (MFA)	Α				1	6			
Control systems	Infrared remote	e control					BRC4C65/	BRC4C66 (1)			
-	Wired remote o	ontrol		BRC1H52W/S/K							
(1) I I I I I I I I I I I I I I I I I I I											

(1) Must be combined with Madoka wired remote controller.

\*Note: blue cells contain preliminary data







Auto cleaning filter option



### **NEW** FXSA-A

### Concealed ceiling unit with medium ESP

### Slimmest yet most powerful medium static pressure unit on the market

- Optimised design for R-32 refrigerant
   Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Quiet operation: down to 25dBA sound pressure level
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Optional fresh air intake
- > Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- > Standard built-in drain pump with 625mm lift increases flexibility and installation speed





For free use into a false ceiling

### For direct connection to Daikin panel (via EKBYBSD kit)

#### Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

For connecting onto a

suction canvas

(not supplied by Daikin)

#### Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance \* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model),

making installation much faster

Indoor unit			FXSA	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	Nom.	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Heating capacity	Total capacity	Nom.	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.	kW		0.090		0.096	0.151	0.154	0.188	0.213	0.290	0.331	0.386
	Heating	Nom.	kW		0.086		0.092	0.147	0.150	0.183	0.209	0.285	0.326	0.382
Dimensions	Unit	HeightxWidthxD	epth mm		245x55	50x800		245x70	0x800	245x1,0	00x800	245x1,4	00x800	245x1,550x800
Weight	Unit		kg		23.5		24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material							Galvar	nised stee	el plate				
Fan	Air flow rate -	Cooling Low/Hig	gh m³/min	6.5/8.7	6.5	/9.0	7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
	50Hz	Heating Low/Hig	gh m³/min	6.5/8.7	6.5	/9.0	7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
	External static	Nom./High	Pa				30/150				40/	150	50/	/150
	pressure - 50Hz	2												
Air filter	Туре								Resin net					
Sound power level	Cooling	High	dBA		54		55	6	0	59	e	51	6	54
Sound pressure	Cooling	Low/Nom./High	dBA	25.0/28.0/29.5	25.0/28	3.0/30.0	26.0/29.0/31.0	29.0/32	.0/35.0	27.0/30.0/33.0	29.0/32.0/35.0	31.0/34.0/36.0	33.0/36.0/39.0	34.0/38.0/41.5
level	Heating	Low/Nom./High	dBA	26.0/29.0/31.5	26.0/29	9.0/32.0	27.0/30.0/33.0	29.0/34	1.0/37.0	28.0/32.0/35.0	30.0/34.0/37.0	31.0/34.0/37.0	33.0/37.0/40.0	34.0/38.5/42.0
Refrigerant	Type/GWP								R-32 / 675	5				
Piping connections	Liquid	OD	mm				6	.35					9.52	
	Gas	OD	mm		9.	52			1	2.7			15.9	
	Drain						VP20 (I	.D. 20/O.D	. 26), drai	n height 6	525 mm			
Power supply	Phase/Frequen	cy/Voltage	Hz/V					1~/50/	60/220-24	40/220				
Current - 50Hz	Maximum fuse	amps (MFA)	A						16					
Control systems	Infrared remote	e control		BRC4C65 (1)										
						BRC1H52W/S/K								

(1) Must be combined with Madoka wired remote controller.

\*Note: blue cells contain preliminary data





Products overview	VRV I	V															loor units	dal Indoor units robox HXY-A	robox HXHD-A	s VAM-, VKM- innection	- ENEQFCBA	tains CYV-DK-	
Model	Product name	kW 12 '	15 18	24 30	36 39	9 42 48	3 54 60 19 30	0 66 72	2 78 84	1 90 2 20	96 102 1	08 114	120 126 1	132 138	144 150 156	162 54 Description / Combination	RV ind	T Hydr	IT Hyd	HU col	KEXV-+	Vir curt	Remarks
UNIQUE Best efficiency & comfort solution	Frouucename	11 <b>F</b> 4	3 0	0 10	12 13	, 14 10	10 20	J ZZ 24	- 20 28	, 30	52 34	30 38	+0 42 4	-++ 40	+0 50 52	VRV IV <sup>+</sup> Heat Recoverv REYO-T	>		00	י∙ נ ר (	a ∎ X	<b>■</b>	<ul> <li>Standard total system connection ratio limit: 50 ~ 130%</li> </ul>
<ul> <li>Fully integrated solution with heat recovery for maximum efficiency</li> <li>Covers all thermal needs of a building via a single point of contact: accurate</li> </ul>				• •												with only VRV indoor units	$\checkmark$					-	
temperature control, ventilation, hot water, air handling units and Biddle air curtains "Free" heating and hot water through heat recovery																with LT/HT Hydroboxes	$\checkmark$	$\checkmark$	$\checkmark$	/		>	Max 32 indoor units, even on 16HP and larger systems
<ul> <li>The perfect personal comfort for guests/tenants via simultaneous cooling and beating</li> </ul>	REYQ-U															HRV units VAM- VKM-	· ·		$\checkmark$	11		$\checkmark$	Iotal system connection ratio with H1 hydroboxes up to 200% possible
A Comporter VRV IV standards & technologies such as     Variable Refringerant temperature and continuous beating																AHLL connection EKEXV + EKEOMCB					+	$\frac{1}{\sqrt{2}}$	<ul> <li>Dedicated systems (with only ventilation units) not allowed – a mix with standard VRV indoor units is allways neccessary</li> </ul>
<ul> <li>Allows technical cooling</li> <li>Allows technical cooling</li> <li>Wided reary of PS haves on the market</li> </ul>	8															Biddle air curtain CVV-DK-						•	Total system connection ratio with AHILLis 50 ~ 110%
Widest range of 55 boxes on the market																			~ (		0		Standard total outant connection and with Ario 13.50 - 120%
Daikin's optimum solution with top comfort       2 a       > Continuous heating during defrost				• •	•	• •	• •											, 0	x	50	0	0 /	Standard total system connection ratio ilmit: 50 ~ 150%
<ul> <li>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</li> </ul>	RYYQ-U															with only VRV indoor units	✓					>	200% total system connection ratio possible under special circumstances 2 Only single-module systems (BYYO 8~20 T / RXYO 8~20 T)
Connectable to stylish indoor units (Daikin Emura, Nexura)     Incorporates VRV IV standards & technologies such as Variable Refrigerant	VRY IV									•	• •	• •	• •	• •	• • •	with residential indoor units	<ul> <li>✓</li> <li>✓</li> </ul>	·	`			>	Max 32 indoor units, even on 16HP, 18HP and 20HP systems     Connection ratio: 80 ~ 130%
temperature and continuous heating											 					with LT Hydroboxes	$\checkmark$	$\checkmark$	, ,	/		>	Max 32 indoor units, even on 16HP and larger systems Contact Daikin in case of multi-module systems (>20HP)
Daikin's solution for comfort & low energy consumption																HRV units VAM-, VKM-	✓ v	´ ✓	· ·	< ✓		$\checkmark$	
accurate temperature control, ventilation, hot water, air handling units	RXYQ-U															AHU connection EKEXV + EKEQMCB	A		,	/ √		✓ 、	Total system connection ratio with AHILLIC 50 ~ 11004
Connectable to stylish indoor units (Daikin Emura, Nexura)	¥₹¥ IV <sup>+</sup>															AHU connection EKEXV + EKEQFCB	A				$\checkmark$		iotai system Cominection natio with Arto 15 50 ~ 110%
<ul> <li>Incorporates VRV IV standards &amp; technologies such as Variable Refrigerant temperature</li> </ul>								• •								Biddle air curtain CYV-DK-	$\checkmark$		,	/ √		$\checkmark$	
State         The most compact VRV           > Compact and lightweight single fan design saves space and is easy to install           > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains           > Either connect VRV of stylish indoor units (Daikin Emura, Nexura)           > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSCQ-TV1 YRY IV S-series Compact	•	• NEW													VRV IV-S RXYSQ-/RXYSCQ-	00	) x	× (	0 0	x	0 >	<ul> <li>Standard total system connection ratio limit: 50 ~ 130%</li> </ul>
<ul> <li>Space saving solution without compromising on efficiency</li> <li>Space saving trunk design for flexible installation</li> <li>Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains</li> <li>Either connect VRV of stylish indoor units (Daikin Emura, Nexura)</li> <li>Incorporates VRV IV standards &amp; technologies such as Variable</li> </ul>	RXYSQT8V/ T8Y/TY1 VRV IV S-series	T8V •	• •	• •	•						 					with VRV indoor units only	✓ ✓			/ /		✓	<ul> <li>With residential indoor: connection ratio limit: 80 ~ 130%</li> </ul>
Refrigerant temperature The invisible VRV Unique VRV heat pump for indoor installation Total flexibility for any shop location and building type as the outdoor unit is invisible and split up in 2 parts Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and Biddle air curtains	SB.RKXYQ-T(8)		•	•												VRV IV i series SB.RKXYQ-T(8)	√ s	: x	× ,	/ √	x	✓ <sup>&gt;</sup>	<ul> <li>Standard total system connection ratio limit: 50 ~ 130%</li> </ul>
Ô																VRV IV-C <sup>+</sup> series RXYLQ-T	0 0	) O	x (	0 0	0	<b>O</b> >	<ul> <li>Standard total system connection ratio limit: 70 ~ 130%</li> </ul>
ြို မွိ Where heating is priority without compromising on efficiency ခြင်္စာမိုင္ရွိ > Suitable for single source heating																with VRV indoor units only	$\checkmark$		,			✓	
ie 등 : · Extended operation range down to -25°C in heating · · · · · · · · · · · · · · · · · · ·	RXYLQ-T			•	•	•	•	• • •	• • •			• •	• •			with residential indoor units only	v 1					>	with residential indoor: connection ratio limit: 80 ~ 130%
<ul> <li>Solution</li> <li>Very economical solution as a smaller outdoor unit model can be used compared to the standard series</li> </ul>	a a a a a a a a a a a a a a a a a a a															AHU connection EKEXV + FKFOMCRA	V V	• •		' / \		√ )>	Total system connection ratio is 70~110%
																AHU connection EKEXV + EKEQFCBA	· ·	+			$\checkmark$	>	<ul> <li>With AHU only connection ration is 90~110%</li> </ul>
Quick & quality replacement for R-22 and R-407C systems         > Cost-effective and fast replacement through re-use of exisiting piping         > Drastically improve your comfort, efficiency and reliability         > No interuption of daily business while replacing your system         > Replace Daikin and other manufacturers systems safely	RQCEQ-P3	J		•	•	•	• •	•	•	•						VRV III-Q <sup>+</sup> series Replacement H/ RQCEQ-P3	R 🗸 ,	: x	x ,	/ x	×	<b>x</b> '	<ul> <li>Standard total system connection ratio limit: 50 ~ 130%</li> </ul>
Ouick & quality replacement for R-22 and R-407C systems         Ouick & quality replacement for R-22 and R-407C systems         Ouick & quality replacement for R-22 and R-407C systems         Ouick & quality replacement for R-22 and R-407C systems         Ouick & quality replacement for R-22 and R-407C systems         Ouick & quality replacement for R-22 and R-407C systems         Ouick & quality replacement for R-22 and R-407C systems         Ouick & quality replacement for R-22 and R-407C systems         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system         No interuption of daily business while replacing your system	RXYQQ-U VRV IV Q <sup>*</sup> series		•	• •	•	••	• •			•	• •	• •	• •			VRV IV-Q Replacement H/P RXYQQ-T	√ s	: x	× ,	/ /	x	✓ <sup>^</sup>	<ul> <li>Standard total system connection ratio limit: 50 ~ 130%</li> </ul>
Ideal for high rise buildings, using water as heat source > Reduced CO2 emissions thanks to the use of geothermal energy as a renewable energy source	-															VRV IV-W <sup>+</sup> series Water-cooled VR RWFYO-T9	00	) x	0	0 0	0	0	> Standard total system connection ratio limit: 50 ~ 130%
<ul> <li>No need for an external heating or cooling source when used in geothermal mode</li> <li>Compact &amp; lightweight design can be stacked for maximum space saving</li> <li>Incorporates VRV IV standards &amp; technologies such as Variable Refrigerant temperature</li> </ul>	RWEYQ-T9*															with VRV indoor units	✓ ✓		✓ ,	/ √ /	✓	✓ }	Only single-module systems (RWEYQ8-14T9)     Max 32 indoor units
Yariable Water Flow control option increases flexibility and control     Mixed connection of HT hydroboxes and VRV indoor units	当我当 IV W series															with split indoor units	<b>v v</b>			<b>'</b>		\$	Connection ratio: 80 ~ 130% • only in heat pump version
<ul> <li>Either connect VRV of stylish indoor units (Daikin Emura, Nexura</li> <li>2 analogue input signals allowing external control</li> </ul>																AHU connection	✓ ✓		v	√		>	Total system connection ratio with AHU + X indoor is 50 ~ 110%     Total system connection ration with AHU only is 90~ 110%

Ranges marked with \*\*\* are not Eurovent certified. Multi combinations are not in scope of the Eurovent certification programme Single unit

O ... connection of indoor unit possible, but not neccessarily simultaneously with other allowed indoor units  $\checkmark$  ... connection of indoor unit possible even simultaneously with other checked units in the same row  $\varkappa$  ... connection of indoor not possible on this outdoor unit system

Outdoor units

### VRV IV



# Innovation in detail

### Certified Reclaimed Refrigerant Allocation

Make a positive choice and reuse refrigerant to avoid more than 150 000 kg of virgin gas being produced each year.

Insprired to help? Find out more about Daikin's initiatives to built a circular economy: www.daikin.eu/building-a-circular-economy



### Advantages of 3-pipe technology

### More "free" heat

Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.

#### Lower pressure drop means more efficiency

#### > Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency

> Disturbed refrigerant flow in large gas pipe on 2-pipe system results in bigger pressure drop



### "Free" heat and hot water production

An integrated heat recovery system reuses heat from offices, server rooms, to warm other areas or create hot water.

### Maximum comfort

A VRV heat-recovery system allows simultaneous cooling and heating.

- > For hotel owners, this means a perfect environment for guests as they can freely choose between cooling or heating.
- > For offices, it means a perfect working indoor climate for both north and south-facing offices.



### Maximum design flexibility and installation speed

- > Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- > A wide variety of compact and lightweight multi
- BS boxes greatly reduces installation time.
- > Free combination of single and multi BS boxes

### Single port



BS10 10.16.25A

### Efficient 3-pipe system

### Multi port: 4 – 6 – 8 – 10 – 12 – 16



BS 10, 12 Q14 A

BS 16 Q14 A

Outdoor unit

Capacity range

ηs,c

ηs,h SEER

SCOP

Indoor index

connection

Dimensions

Sound pressure level

Refrigerant

Power supply

Current - 50Hz

Capacity range

Cooling capacity

Heating capacity

System

ns,c

ns,h

SEER

SCOP

Indoor index

Power supply

Current - 50Hz

Piping connections Liquid

connection

Operation range

Weight

Cooling capacity

Heating capacity

Prated,c

Prated,h

Max.

Maximum number of connectable indoor units

Min. Nom.

Max.

Unit

Unit

Cooling

Cooling

Heating

Charge

Gas HP/LP gas OD

length

Prated,c

Prated,h

Max.

Maximum number of connectable indoor units

Min Nom

Max

Gas

length

Type/GWP

Sound power level Cooling

Piping connections Liquid

Outdoor unit System + Module

6°CWB

Nom

Nom

OD

OD

Phase/Frequency/Voltage

Maximum fuse amps (MFA)

Outdoor unit module 1

Outdoor unit module 2

6°CWB

OD

OD

Total piping System Actual

Phase/Frequency/Voltage

Maximum fuse amps (MFA)

HP/LP gas OD

Total piping System Actual

Min.~Max.

Min.~Max.

HeightxWidthxDepth

### VRV IV+ heat recovery

#### Best efficiency & comfort solution

- > Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8!
- > 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
- > "Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- > The perfect personal comfort for guests/tenants via simultaneous cooling and heating
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- > Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.

REYQ

HP

kW

kW

kW

mm

kg

dRA

dBA

°CDB

°CWB

kg/TCO2Eq

mm

mm

mm

Hz/V

REYQ

HP

kW 28.0

kW

kW

% 275.1

mm

mm

mm

Hz/V

m

m

A

8U

22.4

13.7

25.0

286.1

165.1

72

4.2

100.0

260.0

78.0

9.7/20.2

191

15.9

20

REMQ5U

10U

REMQ5U

10

16.0

32.0

158.8

7.0

4.0

952

22.2

19.1

- > Free combination of outdoor units to meet installation space or efficiency requirements
- > Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- > Possibility to extend the operation range in cooling down to -20°C
  - for technical cooling operation such as server rooms
  - > Contains all standard VRV features





14U

14

40.0

20.6

45.0

255.8

168.3

64

175.0

455.0

80.9

60.0

-5.0~43.0

-20.0~15.5

R-410A/2,087.5

127

1.000

3N~/50/380-415

22U

61.5

34.4

69.0

6.6

64 125.0 163.0 200.0 225.0 250.0 275.0 300.0 325.0 350.0 375.0 400.0

325.0 423.0 520.0 585.0 650.0 715.0 780.0 845.0 910.0 975.0 1,040.0

3N~/50/380-415

REYQ12U

20 22

266.0 260.4

4.5

159

24U

24

67.4

36.9

75.0 257.7

167.6

REYQ10U REYQ8U

32

55.9

31.0

62.5

6.7

16U

16

45.0

23.2

50.0

243.1

167.5

6.2

200.0

520.0

85.6

63.0

28.6

22.2

1,685x1,240x765

11.8/24.6

40

26

73.5

37.1

82.5

257.5

4.3 4.5 4.4

28.6

63

1,000

6.5

26U 28U

REYQ12U

REYQ16U REYQ14U REYQ16U REYQ18U REYQ16U

28

78.5

39.7

87.5

251.9

6.4

34.9

175.5 174.8 179.4 169.1

191

4.3

314

12U

12

33.5

18.4

37.5

257.0

183.8

4.7

150.0

390.0

83.4

61.0

9.9/20.7

18U 20U

REYQ8U

REYQ10U

18

50.4

27.9

56.5 272.9

160.6 168.2 167.9 175.7 178.5

6.9

28.6

50

6.5

10U

10

28.0

16.0

31.5

264.8

1697

67

4.3

125.0

325.0

1,685x930x765

230

79.1

9.8/20.5

22.2

25

REYQ8U

127

16U

16

44.8

23.2

50.0

288.6

7.3

500

4.3

22.2

19.1

57.0

952

13U

13

36.4

21.7

41.0

301.3

7.6

4.1



ErP 202

Already fully compliant

18U

18

50.4

27.9

56.5

250.6

172.5

63

4.4

225.0

585.0

83.8

62.0

317

159

real-life indoor units

20U

20

52.0

31.0

63.0

246.7

162.7

6.2

4.1

250.0

650.0

879

65.0

28.6

50

REYO16U

32

90.0

46.4

100.0

243.1

6.2

4.3

80

30U 32U

30

83.9

44.4

94.0

266.8

6.7 4.6

Liquid pipe	VRV indoor uni	ts
Discharge gas pipe Hot water		Daikin solar panel
	BS-Box	Domestic hot water tank
VRV heat recovery	BS-Box	Heating only hydrobox for VRV

utdoor unit mou utdoor unit mou utdoor unit mou ated,c	lule 1 lule 2 lule 3		REY	D16U	REVORU	DEV	01011	DEV/010U	DEVOCALL				1
utdoor unit mo utdoor unit mo ated,c	lule 2 lule 3				INL I QOU	RET	QIUU	KEYQI2U	REYQ14U		REYQ16U		REYQ18U
utdoor unit mo	lule 3		REYQ18U	REYQ20U	REYC	Q12U			REYQ16U			REYO	Q18U
ated,c				-	REYC	Q18U		REY	Q16U			REYQ18U	
ated,c		HP	34	36	38	40	42	44	46	48	50	52	54
		kW	95.4	97.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
ated,h		kW	51.1	54.2	58.1	58.9	60.9	62.9	67.0	69.6	74.3	79.0	83.7
ax. 6°CWI	}	kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
		%	259.2	255.3	269.2	259.6	250.2	249.3	246.8	243.1	254.4	265.7	275.2
		%	172.0	166.3	176.0	176.1	167.8	171.9	168.8	168.5	170.3	171.7	173.3
			6.6	6.5	6.8	6.6	6	.3	6.	.2	6.4	6.7	7.0
			4.4	4.2	4.	5	4.3	4.4		4.3		4	.4
onnectable inc	oor units							64					
n.			425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
om.								-					
ax.			1,105.0	1,170.0	1,235.0	1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
quid OD		mm						191					
is OD		mm	34.9					41	1.3				
P/LP gas OD		mm	28	3.6					34.9				
tal piping Syster 19th	n Actual	m						1,000					
ase/Frequency	/Voltage	Hz/V					3N	~/50/380-	415				
aximum fuse ar	nps (MFA)	Α	8	0			100				12	25	
		REMQ						5U					
nit Heiah	xWidthxDepth	mm					1.6	585x930x7	65				
nit		ka						230					
ernal static Max.		Pa						78					
olina Nom		dBA						78.0					
oling Nom		dBA						57.0					
oling Min~	Max.	°CDB						-5.0~43.0					
ating Min.~	Max.	°CWB						-20.0~15.5	5				
pe/GWP							R-	410A/2,08	7.5				
arge		kg/TCO2Eq						9.7/20.2					
ase/Frequency	/Voltage	Hz/V					3N	~/50/380-	415				
aximum fuse ar	nps (MFA)	A						20					
	nnectable ind n. n. k. uid OD OD P gas OD l piping Systen pth ise/Frequency, ximum fuse an it Height it Height it Height it Height it Height it Height it Sure Dling Nom. Dling Nom. Dling Min.~/A De/GWP arge ase/Frequency, ximum fuse an	nnectable indoor units n. n. k. uid OD Good OD	nnectable indoor units  I.  T.  K.  Uid OD mm  OD mm  OD mm  P gas OD mm  I piping System Actual m  pth  see/Frequency/Voltage Hz/V  ximum fuse amps (MFA) A  REMQ  it HeightxWidthxDepth mm  it kg rnal static Max. Pa  sure  Joling Nom. dBA  Joling Nom. dBA  Joling Nom. dBA  Joling Nom. dBA  Joling Min.~Max. °CDB  ating Min.~Max.	nnectable indoor units	nnectable indoor units	nnectable indoor units	nnectable indoor units n. 425.0 450.0 475.0 500.0 m. 425.0 1,105.0 1,170.0 1,235.0 1,300.0 m. 74.9 1,105.0 1,170.0 1,235.0 1,300.0 id OD mm 34.9 1 'LP gas OD mm 28.6 1 il piping System Actual m the second s	nnectable indoor units i. 425.0 450.0 475.0 500.0 525.0 n. 425.0 1,170.0 1,235.0 1,300.0 1,365.0 id OD mm ; OD mm 28.6 Il piping System Actual m pth ise/Frequency/Voltage Hz/V 3N ximum fuse amps (MFA) A 80 100 <b>REMQ</b> it HeightxWidthxDepth mm it kg rnal static Max. Pa sure Joling Nom. dBA Joling Mom. dBA Joling Min.~Max. °CDB atom MFA) A se/Frequency/Voltage Hz/V 70 RemQ it kg rnal static Max. Pa sure Joling Nom. dBA Joling Min.~Max. °CDB atom MFA) A Se/Frequency/Voltage Hz/V 70 Se/Frequency/Voltage 70 Se/Frequency/Voltage 70 Se/Frequency/Voltage 70 Se/Frequency/Voltage 70 Se/Frequency/Voltage 70 Se/Frequency/Voltage 70 Se/Frequency/Voltage 70 Se/Frequenc	nnectable indoor units 425.0 450.0 475.0 500.0 525.0 550.0 n	nnectable indoor units	nnectable indoor units       international state       international state       international state       international state         i.       425.0       450.0       475.0       500.0       525.0       550.0       575.0       600.0         m.	nnectable indoor units 64 i.	nnectable indoor units 64 i. 60 i. 625.0 650.0 i. 650.0 1,625.0 1,690.0 i. 690.0 i.

nit type a

	7	6
	/	U

40



¥₹¥ IV



REYO10.13.16.18.20.22U



### VRV IV+ heat pump

#### Daikin's optimum solution with top comfort

- 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
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- > Available as heating only by irreversible field setting
- > Contains all standard VRV features

/RV





Published data with real-life indoor units

0							4011		1011			2011
Outdoor unit			RYYQ/RXYQ	80	10	U	120	140	160	1	80	200
Capacity range			HP	8	10	)	12	14	16		18	20
Cooling capacity	Prated,c		kW	22.4	28	.0	33.5	40.0	45.0	5	50.4	52.0
Heating capacity	Prated,h		kW	13.7	16	.0	18.4	20.6	23.2		27.9	31.0
	Max.	6°CWB	kW	25.0	31	.5	37.5	45.0	50.0	5	56.5	63.0
Recommended co	mbination			4 x FXFQ50A	VEB 4 x FXFQ	63AVEB 63	x FXFQ50AVEB	1 x FXFQ50AVE	B 4 x FXFQ63	BAVEB 3 x FXF	Q50AVEB 2 x	FXFQ50AVEB
			~	202.4				+ 5 x FXFQ63AVE	B +2xFXFQ8	UAVEB + 5 x FX	(FQ63AVEB + 6	X FXFQ63AVEB
ηs,c			%	302.4	26	/.6	247.8	250.7	236.5	> 2	38.3	233./
ηs,h			%	167.9	168	3.2	161.4	155.4	157.8	1	63.1	156.6
SEER				7.6	6.	8	6.	3		6.0		5.9
SCOP					4.3		4.1	(7)	4.0		4.2	4.0
Maximum number	of connectabl	e indoor units						64 (1)				
Indoor index	Min.			100.0	125	5.0	150.0	175.0	200.0	) 2	25.0	250.0
connection	Nom.							-				
	Max.			260.0	325	5.0	390.0	455.0	520.0	) 5	85.0	650.0
Dimensions	Unit	HeightxWidthxDepth	n mm		1,685x9	30x765			1,6	85x1,240x76	55	
Weight	Unit		kg	2	.52 (RYYQ) /	198 (RXY	′Q)	319 (RYYQ	) / 275 (RXY	Q) 378	(RYYQ) / 30	08 (RXYQ)
Sound power level	Cooling	Nom.	dBA	78.0	79	0.1	83.4	80.9	85.6	8	33.8	87.9
Sound pressure level	Cooling	Nom.	dBA		57.0		61.0	60.0	63.0	6	52.0	65.0
Operation range	Cooling	Min.~Max.	°CDB					-5.0~43.0				
	Heating	Min.~Max.	°CWB		-20.0~15.5							
Refrigerant	Type/GWP							R-410A/2,087	.5			
	Charge		kg/TCO2Eq	5.9/12.3	6.0/	12.5	6.3/13.2	10.3/21.5	10.4/2	1.7 11.7	7/24.4	11.8/24.6
Piping connection	Piping connections Liquid OD		mm		9.52			12.7			15.9	
Gas OD		OD	mm	19.1	22	.2			28.6			
	Total piping length	System Actual	m					1,000				
Power supply	Phase/Freque	ency/Voltage	Hz/V				3	N~/50/380-4	115			
Current - 50Hz	Maximum fu	se amps (MFA)	A	20	2	5	32	2		40		50
Outdoor unit Syst	tem		RYYQ/RXYQ	22U	24U	26U	28U	30U	32U	34U	36U	38U
System	Outdoor unit	module 1		10	8		12			16		8
	Outdoor unit	module 2		12	16	14	16	18	16	18	20	10
	Outdoor unit	module 3						-				20
Capacity range			HP	22	24	26	28	30	32	34	36	38
Cooling capacity	Prated,c		kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4
Heating capacity	Prated,h		kW	34.4	36.9	39.0	41.6	46.3	46.4	51.1	54.2	60.7
	Max.	6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5
Recommended co	mbination			6 x FXFQ50AVEB	4 x FXFQ50AVEB	7 x FXFQ50AV	VEB 6 x FXFQ50AVEB	9 x FXFQ50AVEB	8 x FXFQ63AVEB	3 x FXFQ50AVEB	2 x FXFQ50AVEB	6 x FXFQ50AVEB
				+4xFXFQ63AVEB	+4 x FXFQ63AVEB	+ 5 x FXFQ63A	VEB + 4 x FXFQ63AVEE	8 + 5 x FXFQ63AVEB	+4xFXFQ80AVEB	+9 x FXFQ63AVEB	+ 10 x FXFQ63AVEB	+10 x FXFQ63AVEB
					+2 x FXFQ80AVEB		+2 x FXFQ80AVE	В		+2 x FXFQ80AVEB	+ 2 x FXFQ80AVEB	
ηs,c			%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4
ηs,h			%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5
SEER				6.9	6.8	6.7	6	5.5	6	.4	6.3	6.9
SCOP				4.4	4.3		4.2	4.3	4	.2	4.1	4.3
Maximum number	of connectabl	e indoor units		1				64 (1)				
maximum mannoci				275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0
Indoor index	Min.			2/3.0								
Indoor index connection	Min. Nom.			275.0				-				
Indoor index connection	Min. Nom. Max.			715.0	780.0	845.0	910.0	- 975.0	1,040.0	1,105.0	1,170.0	1,235.0
Indoor index connection Piping connection	Min. Nom. Max. s Liquid	OD	mm	715.0	780.0	845.0	910.0	- 975.0	1,040.0 19.1	1,105.0	1,170.0	1,235.0
Indoor index connection Piping connection	Min. Nom. Max. s Liquid Gas	OD OD	mm	715.0 15 28.6	780.0	845.0	910.0	- 975.0 4.9	1,040.0 19.1	1,105.0	1,170.0	1,235.0
Indoor index connection Piping connection	Min. Nom. Max. s Liquid Gas Total piping length	OD OD System Actu	mm mm al m	715.0 15 28.6	780.0 5.9	845.0	910.0	- 975.0 4.9 1,000	1,040.0 19.1	1,105.0	1,170.0	1,235.0
Piping connection Power supply	Min. Nom. Max. s Liquid Gas Total piping length Phase/Freque	OD OD System Actu ency/Voltage	mm mm al m Hz/V	715.0 15 28.6	780.0	845.0	910.0	- 975.0 4.9 1,000 N~/50/380-4	1,040.0 19.1	1,105.0	1,170.0	1,235.0 1.3



Connectable stylish indoor units

	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS
FTXJ-MW/MS	•	•	•		•
FTXA-A	•	•	•	•	•
FVXG-K		•	•		•
FVXM-F		•	•		•
	FTXJ-MW/MS FTXA-A FVXG-K FVXM-F	20 CLASS           FTXJ-MW/MS         •           FTXA-A         •           FVXG-K         •           FVXM-F         •	20 CLASS         25 CLASS           FTXJ-MW/MS         •         •           FTXA-A         •         •           FVXG-K         •         •           FVXM-F         •         •	20 CLASS         25 CLASS         35 CLASS           FTXJ-MW/MS         •         •         •           FTXA-A         •         •         •           FVXG-K         •         •         •           FVXM-F         •         •         •	20 CLASS         25 CLASS         35 CLASS         42 CLASS           FTXJ-MW/MS         •         •         •           FTXA-A         •         •         •           FVXG-K         •         •         •           FVXM-F         •         •         •

BPMKS box needed to connect RA indoors to VRV IV

Outdoor unit Syste	em		RYYQ/RXYQ	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor u	nit module 1		1	0	12	14		16		18
	Outdoor u	nit module 2		12			16			1	8
	Outdoor u	nit module 3		18		1	6			18	
Capacity range			HP	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	62.3	62.4	64.8	67.0	69.6	74.3	79.0	83.7
	Max.	6°CWB	kW	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended con	nbination			9 x FXFQ50AVEB	12 x FXFQ63AVEB	6 x FXFQ50AVEB	1 x FXFQ50AVEB	12 x FXFQ63AVEB	3 x FXFQ50AVEB	6 x FXFQ50AVEB	9 x FXFQ50AVEB
				+9 x FXFQ63AVEB	+ 4 x FXFQ80AVEB	+ 8 x FXFQ63AVEB	+ 13 x FXFQ63AVEB	+ 6 x FXFQ80AVEB	+ 13 x FXFQ63AVEB	+ 14 x FXFQ63AVEB	+ 15 x FXFQ63AVEB
						+4x FXFQ80AVEB	+4 x FXFQ80AVEB		+ 4 x FXFQ80AVEB	+ 2 x FXFQ80AVEB	
ηs,c			%	263.5	261.2	255.9	254.9	251.7	252.8	253.7	254.1
ηs,h			%	170.0	165.5	164.5	162.0	162.8	165.2	167.2	169.4
SEER				6.7	6.6	6.5			6.4		
SCOP				4.3	4	.2	4	.1	4.2	4	.3
Maximum number	of connectable	e indoor units					64	1 <sup>(1)</sup>	-		
Indoor index	Min.			500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
connection	Nom.							-			
	Max.			1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm				19	9.1			
	Gas	OD	mm		41.3						
	Total piping lengt	h System Actual	m		1,000						
Power supply	Phase/Free	quency/Voltage	Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum	fuse amps (MFA)	A		100					25	
Outdoor unit mod	ule for contin	uous									
heating combinat	ions		RYMQ	80	100	120	14	U	160	180	200
Dimensions	Unit	HeightxWidthxDepth	mm		1,685x930x	765			1,685x1,240	x765	
Weight	Unit		kg		198			275		308	
Fan	External static pressure	Max.	Pa				78	8			
Sound power level	Cooling	Nom.	dBA	78.0	79.1	83.4	80	.9	85.6	83.8	87.9
Sound pressure level	Cooling	Nom.	dBA	-	57.0	61.0	60	.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB				-5.0~	43.0			
	Heating	Min.~Max.	°CWB				-20.0	~15.5			
Refrigerant	Type/GWP						R-410A/	2,087.5			
	Charge		kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13	.2 10.3/	21.5 11.	3/23.6	11.7/24.4	11.8/24.6
Power supply	Phase/Freque	ncy/Voltage	Hz/V				3N~/50/	380-415			
Current - 50Hz	Maximum fus	e amps (MFA)	Α	20	25		32		40		50

(1) 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%)



YRY IV\*



RYYQ8-12U/RXYQ8-12U





### RXYSCQ-TV1 / RXYSQ-TV9 / RXYSQ-TY(9)

Variable **R**efrigerant **T**emperature



### A wide range, big on features

They may be discreet, but Daikin VRV IV S-series units stand out when it comes to benefits they deliver. They provide the perfect indoor climate, while remaining totally discreet from the outside. If you need efficient and effective air conditioning from a completely unnoticeable unit, look no further.

### Features

- > A wide range of stylish residential or commercial indoor units can be connected
- > A total air conditioning solution integrating air handling units and/or air curtains
- Complete reliability

ARGUE CARDS

- thanks to refrigerant-cooled PCB > Suitable for bigger projects of up to 150 to 200m<sup>2</sup>
- > Light weight unit (down to 88kg) is easy to install
- and handle
- > A perfect match for any application thanks to the wide range of small-footprint units
- > Widest range of front blow units on the market







8-10-12HP (three phase

4-5-6HP (single & three phase)



### **Total solution**

Daikin Emura

wall mounted unit

Nexura

Floor standing unit

Compact:

Most compact unit on the market 823mm high & 88kg



Fully flat cassette









Air handling unit for ventilation

### RXYSCQ-TV1

### **VRV IV S-series compact** heat pump

### The most compact VRV

- > Compact & lightweight single fan design makes the unit almost unnoticeable
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- > Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- > Possibility to limit peak power consumption between 30 and 80%,
  - for example during periods with high power demand
- > Night quiet mode reduces sound pressure with up to 8dBa
- > Contains all standard VRV features

### Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				•		•	•	•
Fully flat cassette	FFA-A9			•	•		•	•	
Slim concealed ceiling unit	FDXM-F9			•	•		•	•	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			•	•		•	•	
Daikin Emura - Wall mounted unit	FTXJ-MW/MS		•	•	•		•		
Stylish - Wall mounted unit	FTXA-A		•	•	•	•	•		
Perfera - Wall mounted unit	CTXM-N / FTXM-N	•	•	•	•	•	•	•	•
Ceiling suspended unit	FHA-A(9)				•		•	•	
Nexura - Floor standing unit	FVXG-K			•	•		•		
Floor standing unit	FVXM-F			•	•		•		
Concealed floorstanding unit	FNA-A9			•	•		•	•	

Outdoor unit			RXYSCQ	4TV1	5TV1	6TV1
Capacity range			HP	4	5	6
Cooling capacity	Prated,c		kW	12.1	14.0	15.5
Heating capacity	Prated,h		kW	8.4	9.7	10.7
	Max.	6°CWB	kW	14.2	16.0	18.0
Recommended cor	nbination			3 x FXSQ25A2VEB + 1 x FXSQ32A2VEB	4 x FXSQ32A2VEB	2 x FXSQ32A2VEB + 2 x FXSQ40A2VEB
ηs,c			%	322.8	303.4	281.3
ηs,h			%	182.3	185.1	186.0
SEER				8.1	7.7	7.1
SCOP				4.6	4	.7
Maximum number	of connect	able indoor units			64	
Indoor index	Min.			50.0	62.5	70.0
connection	Nom.				-	
	Max.			130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth	mm		823x940x460	
Weight	Unit		kg		89	
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0
Sound pressure level	Cooling	Nom.	dBA	51.0	52.0	53.0
Operation range	Cooling	Min.~Max.	°CDB		-5.0~46.0	
	Heating	Min.~Max.	°CWB		-20.0~15.5	
Refrigerant	Type/GWI	>			R-410A/2,087.5	
	Charge		kg/TCO2Eq		3.7/7.7	
Piping connections	Liquid	OD	mm		9.52	
	Gas	OD	mm	15.	9	19.1
	Total piping	g System Actual	m		300	
	length					
Power supply	Phase/Fre	quency/Voltage	Hz/V		1~/50/220-240	
Current - 50Hz	Maximum	fuse amps (MFA)	Α		32	

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% < CR < 130%).

Easy for a two person crew to move and install.





RXYSCO-TV1



to LOT 21 - Tier 2

**Published data with** real-life indoor units

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IN		w	
	_		

### **VRV IV S-series heat pump**

#### Space saving solution without compromising on efficiency

- > Space saving trunk design for flexible installation
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- > Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- > Wide range of units (4 to 12HP) suitable for projects up to 200m<sup>2</sup> with space limitations
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- > Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- > Contains all standard VRV features



### VRV IV S-series

Already fully compliant to LOT 21 - Tier 2

**Published data with** 

real-life indoor units

WREIN

-

RXYSQ4-6TV9\_TY9





### SB.RKXYQ-T(8)

### Keep looking you'll never find me

You can install highly efficient, reliable Daikin air conditioning systems in the most demanding locations while remaining invisible from street level.

### Invisible

- > Completely invisible only the grilles are visible
- > Seamless integration into surrounding architecture
- > Highly suited to densely populated areas
- thanks to the low operation sound

#### Intuitive

- > Total flexibility as the outdoor unit is split up in 2 parts
- > Easy and quick to transport and install by just 2 persons
- > Easy servicability, all components can be easily reached

#### Intelligent

- > Patented V-shape heat exchanger for the most compact unit (400 mm high) ever
- > Connectable to all VRV indoor units
- > Provides a total solution when combined with ventilation units, Biddle air curtains and controls

By choosing this product with Certified med Refrigerant Allocation you support the re-use of refrigerant

#### Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				•		•	•	•
Fully flat cassette	FFA-A9			•	•		•	•	
Slim concealed ceiling unit	FDXM-F9			•	•		•	•	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			•	•		•	•	
Daikin Emura - Wall mounted unit	FTXJ-MW/MS		•	•	•		•		
Stylish - Wall mounted unit	FTXA-A		•	•	•	•	•		
Perfera - Wall mounted unit	CTXM-N / FTXM-N	•	•	•	•	•	•	•	•
Ceiling suspended unit	FHA-A(9)				•		•	•	
Nexura - Floor standing unit	FVXG-K			•	•		•		
Floor standing unit	FVXM-F			•	•		•		
Concealed floorstanding unit	FNA-A9			•	•		•	•	

Outdoor unit		RXYSQ/RXY	SQ/RXYSQ	4TV9	5TV9	6TV9	4TY9	5TY9	6TY9	8TY1	10TY1	12TY1
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	8.0	9.2	10.2	8.0	9.2	10.2	14.9	19.6	23.5
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
ηs,c			%	278.9	270.1	278.0	269.2	260.5	268.3	247.3	247.4	256.5
ηs,h			%	171.6	182.9	192.8	154.4	164.5	174.1	165.8	162.4	169.6
SEER				7.0	6.8	7.0	6.8	6.6	6.8	6	.3	6.5
SCOP				4.4	4.6	4.9	3.9	4.2	4.4	4.2	4.1	4.3
Maximum number	of connect	able indoor units						64				
Indoor index	Min.			50.0	62.5	70.0	50.0	62.5	70.0	100.0	125.0	150.0
connection	Nom.							-				
	Max.			130.0	162.5	182.0	130.0	162.5	182.0	260.0	325.0	390.0
Dimensions	Unit	HeightxWidthxDepth	mm			1,345x9	00x320			1,430x940x320	1,615x9	40x460
Weight	Unit		kg			10	)4			144	175	180
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
Sound pressure level	Cooling	Nom.	dBA	50.0	51	.0	50.0	5	1.0	55	.0	57.0
Operation range	Cooling	Min.~Max.	°CDB			-5.0~	-46.0				-5.0~52.0	
	Heating	Min.~Max.	°CWB					-20.0~15.5				
Refrigerant	Type/GWI	D					R	-410A/2,087	.5			
	Charge		kg/TCO2Eq			3.6	/7.5			5.5/11.5	7.0/14.6	8.0/16.7
Piping connections	s Liquid	OD	mm				9.	52				12.7
	Gas	OD	mm	15	.9	19.1	15	5.9	19	9.1	22.2	25.4
	Total piping	g System Actual	m					300				
	length											
Power supply	Phase/Fre	quency/Voltage	Hz/V	1N	l~/50/220-2	40			3N~/50	/380-415		
Current - 50Hz	Maximum	n fuse amps (MFA)	A		32			16		2	5	32

Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% < CR < 130%).

### **VRV IV** i-series



Unique outdoor unit in 2 parts





Biddle air curtain and ventila

### VRV IV heat pump for indoor installation

### The invisible VRV

- > Unique VRV heat pump for indoor installation
- > Unrivalled flexibility because the unit is split up into two elements: the heat exchanger and the compressor
- > Highly suited to densely populated areas thanks to the low operation sound and seamless integration into surrounding architecture as only the grille is visible
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- > Lightweight units (max. 105kg) can be installed by two people
- > Unique V-shape heat exchanger results in compact dimensions (h/e unit only 400mm high) allowing false ceiling installation, while ensuring top efficiency
- > Super efficient centrifugal fans (over 50% efficiency increase compared to sirocco fan)
- > Small footprint compressor unit (760 x 554 mm) maximizing useable floor space
- > Contains all standard VRV features







leat exchange





Published data with al-life indoor units

System			SB	.RKXYQ	5	T8	8	т		
System	Heat exchanger uni	t			RDX	(Q5T8	RDX	/Q8T		
	Compressor unit				RKXY	(Q5T8	RKX	(Q8T		
Capacity range	·			HP		5	8	3		
Cooling capacity	Prated,c			kW	14	1.0	22	22.4		
Heating capacity	Prated,h			kW	10	).4	12	.9		
	Max.	6°CWB		kW	16	5.0	25	5.0		
Recommended cor	nbination				4 x FXSC	32A2VEB	4 x FXMC	50P7VEB		
ηs,c				%	20	00.1	19	1.1		
ηs,h				%	14	9.3	14	0.9		
SEER					5	5.1	4	.9		
SCOP					3	.8	3	.6		
Maximum number	of connectable indo	or units			1	0	17			
Indoor index	Min.				6	2.5	10	0.0		
connection	Nom.				-					
	Max.				162.5 260.0					
Piping connections Liquid OD mm -						-				
Ga	Gas	OD		mm			-			
	Between Compressor	Liquid	OD	mm			12.7			
	module (CM) and heat	Gas	OD	mm	19	9.1	22	2.2		
	exchanger module (HM)	)								
	Between Compressor	Liquid	OD	mm			9.52			
	module (CM) and	Gas	OD	mm	15	5.9	19	9.1		
	indoor units (IU)									
	Total piping length	System	Actual	m	14	40	30	00		
					Heat exchanger	module - RDXYO	Compressor m	odule - RKXYO		
Outdoor unit mod	lule				5T8	8T	5T8	8T		
Dimensions	Unit	HeightxWi	idthxDepth	mm	397x1,4	56x1,044	701x600x554	701x760x554		
Weight	Unit	<b>y</b>		kg	95	103	79	105		
Fan	Air flow rate	Cooling	Nom.	m³/min	55	100				
Sound power level	Cooling	Nom.		dBA	77.0	81	60.0	64		
Sound pressure level	Cooling	Nom.		dBA	47.0	54	47.0	48		
Refrigerant	Type/GWP				R-41	I0A/-	R-410A	/2,087.5		
2	Charge			kg/TCO2Eq	-	/-	2.00/4.20	4.00/8.35		
Power supply	Phase/Frequency/V	oltage		Hz/V	V 1N~/50/220-240		3N~/50/380-415			
Current - 50Hz	Maximum fuse amp	s (MFA)		A	1	0	16	20		

VRV IV 1-series







### **RXYLQ-T**

### Where heating is priority without compromising on efficiency

### High heating capacity at low ambient temperatures

> Stable heating capacity available down to -15°C WB!

### High partial load efficiency

- > New vapour injection scroll compressor optimised for low load
- > UNIQUE back-pressure control: Pressure port increases pressure below the scroll in
- low load operation, preventing refrigerant leak and increasing efficiency
- > UNIQUE Injection structure with check valve: Prevents volume backflow during low
- load operation typically occuring with standard vapour injection compressors > Variable Refrigerant Temperature adjusts refrigerant temperature to match the load

### High reliability down to -25°C WB

> Hot gas bypass prevents ice buildup at the bottom of the heat exchanger



(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% < CR <130%).

**VRV IV** C<sup>+</sup>series











Pressure port Lower pressure

Outdoor unit

Canacity range

### VRV heat pump optimised for heating

#### Where heating is priority without compromising on efficiency

- > Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- > Stable heating capacity down to -15°C, thanks to vapour injection compressor
- > Extended operation range down to -25°C in heating
- > High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- > 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- > Shorter defrost and heat up time, compared to standard VRV heat pump
- > Very economical solution as a smaller outdoor unit model can be used compared to the standard series
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains

RXYLQ



#### **Published data with** real-life indoor units

14T

- > Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- > Free combination of outdoor units to meet installation space or efficiency requirements
- > Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m
- > Less installation time and smaller footprint compared to previous model thanks to

12T

removal of function unit



#### Connectable stylish indoor units

				20 CLASS 25 CLASS		35 CLASS 42 CLASS		ASS !	50 CLASS	
Daikin Emura - Wal	l mounted	unit	FTXJ-MW/MS	•		•	•			•
Stylish - Wall moun	ted unit		FTXA-A	•		•	•	•		•
Nexura - Floor stan	ding unit		FVXG-K			•	•			•
Floor standing unit			FVXM-F			•	٠			•
BPMKS box needed to	connect RA	indoors to VRV IV								
Outdoor unit			RXYLQ	30T	32T	34T	36T	38T	40T	42T
System	Outdoor	unit module 1		RXYLQ10T	RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ12T	RXYLQ14T
	Outdoor	unit module 2		RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ12T	RXYLQ14T	RXYLQ14T
	Outdoor	unit module 3			RXYLQ12T			RXYLQ14T		
Capacity range			HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c		kW	84	89,5	95	101	107	114	120
Heating capacity	Prated,h		kW				-			
	Max.	6°CWB	kW	94,5	100,5	106,5	112,5	120	127,5	135
Recommended cor	mbination			9 x FXMQ50P7VEB	8 x FXMQ63P7VEB	3 x FXMQ50P7VEB	2 x FXMQ50P7VEB	6 x FXMQ50P7VEB	9 x FXMQ50P7VEB	12 x FXMQ63P7VEB
				+ 5 x FXMQ63P7VEB	+4 x FXMQ80P7VEB	+ 9 x FXMQ63P7VEB	+ 10 x FXMQ63P7VEB	+ 10 x FXMQ63P7VEB	+ 9 x FXMQ63P7VEB	+4 x FXMQ80P7VEB
						+ 2 x FXMQ80P7VEB	+2 x FXMQ80P7VEB			
ηs,c			%	251.4	259.1	266.8	274.4	271.6	270.3	270.1
ηs,h			%	144.3	141.6	139.2	137.6	137.1	137.1	137.1
SEER				3.86	3.61	3.56	3.51	3.50	3.50	3.50
SCOP				6.36	6.55	6.74	6.93	6.86	6.83	6.83
Maximum number of connectable indoor units						64 (1)				
Indoor index	Min.			525	560	595	630	665	700	735
connection	Nom.			750	800	850	900	950	1000	1050
	Max.			975	1040	1105	1170	1235	1300	1365
Piping connections	s Liquid	OD	mm	19,1	19,1	19,1	19,1	19,1	19,1	19,1
	Gas	OD	mm	34,9	34,9	34,9	41,3		41,3	
	Total pipin length	g System Actual	m				500			
Power supply	Phase/Fre	quency/Voltage	Hz/V				3N~/50/380-41	5		
Current - 50Hz	Maximun	n fuse amps (MFA)	A		8	80			90	
Outdoor unit			RXMLO				8T			
Dimensions	Unit	HeightxWidthxDept	h mm				1.685x1.240x765	5		
Weight	Unit		ka				302			
Sound power level	Coolina	Nom.	dBA				75.0			
Sound pressure level	l Coolina	Nom.	dBA				55.0			
Operation range	Coolina	Min.~Max.	°CDB				-5.0~43.0			
J. J. J. J. J.	Heating	Min.~Max.	°CWB				-25.0~16.0			
Refrigerant	Type/GW	þ					R-410A/2,087.5			
5	Charge		kg/TCO2Eg				11.8/24.6			
Piping connections	s Liquid	OD	mm	i			9.5			
1 5	Gas	OD	mm	i			19.1			
	Total pipin length	g System Actual	m				500			
Power supply	Phase/Fre	guency/Voltage	H7/V	47/V 3N~/50/380-415						
Current - 50Hz	Maximum	fuse amps (MFA)	Δ	1			20	-		

Power supply	Phase/Frequency/Voltage	Hz/V	
Current - 50Hz	Maximum fuse amps (MFA)	Α	

(1) Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system

Cooling capacity	Prated,c		kW	28			33.5 40					
Heating capacity	Prated,h		kW		31.5		37.5		45			
	Max.	6°CWB	kW		31.50		37.50		45.00	)		
Recommended co	mbination			4 x FX	MQ63P7VEB	6	x FXMQ50P7VE	B 1x F	XMQ50P7VEB + 5	x FXMQ63P7VEB		
ηs,c			%		251.4		274.4		270.1			
ηs,h			%		144.3		137.6		137.1			
SEER					6.36		6.93		6.83			
SCOP					3.68		3.51		3.5			
Maximum number	r of connect	able indoor units					64 (1)					
Indoor index	Min.				175 210				245			
connection	Nom.				250		300		350			
	Max.				325		390		455			
Dimensions	Unit	HeightxWidthxDepth	mm			1	l,685x1,240x765	5				
Weight	Unit		kg				302					
Sound power leve	l Cooling	Nom.	dBA	77 81					81			
Sound pressure leve	el Cooling	Nom.	dBA		56		59		59			
Operation range	Cooling	Min.~Max.	°CDB				-5.0~43.0					
	Heating	Min.~Max.	°CWB				-25.0~16.0					
Refrigerant	Type/GW	Р					R-410A/2,087.5					
	Charge		kg/TCO2Eq				11.8/24.6					
Piping connection	ns Liquid	OD	mm		9.5		12.7					
	Gas	OD	mm		22.2 28.6							
	Total pipin	g System Actual	m				500					
	length											
Power supply	Phase/Fre	equency/Voltage	Hz/V				3N~/50/380-415	5				
Current - 50Hz	Maximum	n fuse amps (MFA)	A		25			32				
Outdoor unit			RXYLQ	16T	18T	20T	22T	24T	26T	28T		
System	Outdoor	unit module 1		RXMLQ8T	RXYLQ10T	RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T		
	Outdoor	unit module 2		RXMLQ8T	RXMLQ8T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T	RXYLQ14T		
Capacity range			HP	16	18	20	22	24	26	28		
Cooling capacity	Prated,c		kW	44.8	50.4	56	61.5	67	73.5	80		
Heating capacity	Prated,h		kW				-					
	Max.	6°CWB	kW	50	56.5	63	69	75	82.5	90		
Recommended co	mbination			4 x FXMQ63P7VEB	3 x FXMQ50P7VEB	2 x FXMQ50P7VEB	6 x FXMQ50P7VEB	4 x FXMQ50P7VEE	7 x FXMQ50P7VEB	6 x FXMQ50P7VEB		
				+2 x FXMQ80P7VEB	+ 5 x FXMQ63P7VEB	+ 6 x FXMQ63P7VEB	+4xFXMQ63P7VEB	+ 4 x FXMQ63P7VE	B + 5 x FXMQ63P7VEB	+4 x FXMQ63P7VEB		
								+2xFXMQ80P7VE	B	+2 x FXMQ80P7VEB		
ηs,c			%	261.8	255.7	251.4	263.0	274.4	270.8	270.1		
ηs,h			%	138.0	140.5	144.3	140.3	137.6	137.1	137.1		
SEER							2 5 0	2 51	3.50	3.50		
				3.52	3.59	3.68	5.50	5.51				
SCOP				3.52 6.62	3.59 6.47	3.68 6.36	6.65	6.93	6.84	6.83		
SCOP Maximum number	r of connect	able indoor units		3.52 6.62	3.59 6.47	3.68 6.36	6.65 64 (1)	6.93	6.84	6.83		
SCOP Maximum number Indoor index	r of connect Min.	able indoor units		3.52 6.62 	3.59 6.47 315	3.68 6.36 350	6.65 64 (1) 385	6.93 420	6.84 455	6.83 490		
SCOP Maximum number Indoor index connection	r of connect Min. Nom.	able indoor units		3.52 6.62 280 400	3.59 6.47 315 450	3.68 6.36 350 500	6.65 64 (1) 385 550	6.93 420 600	6.84 455 650	6.83 490 700		
SCOP Maximum number Indoor index connection	r of connect Min. Nom. Max.	able indoor units		3.52 6.62 280 400 520	3.59 6.47 315 450 585	3.68 6.36 350 500 650	6.65 64 (1) 385 550 715	420 600 780	6.84 455 650 845	6.83 490 700 910		
Aximum number Indoor index connection Piping connection	r of connect Min. Nom. Max. Is Liquid	able indoor units	mm	3.52 6.62 280 400 520 12.7	3.59 6.47 315 450 585 15.9	3.68 6.36 350 500 650 15.9	6.65 64 (1) 385 550 715 15.9	420 600 780 15.9	6.84 455 650 845	6.83 490 700 910 9.1		
Aximum number Indoor index connection Piping connection	r of connect Min. Nom. Max. Is Liquid Gas	OD	mm	3.52 6.62 280 400 520 12.7 28.6	3.59 6.47 315 450 585 15.9 28.6	3.68 6.36 350 500 650 15.9 28.6	6.65 64 (1) 385 550 715 15.9 28.6	6.93 420 600 780 15.9	6.84 455 650 845 1 34.9	6.83 490 700 910 9.1		
SCOP Maximum number Indoor index connection Piping connection	r of connect Min. Nom. Max. Is Liquid Gas Total pipin	OD OD g System Actual	mm mm	3.52 6.62 280 400 520 12.7 28.6	3.59 6.47 315 450 585 15.9 28.6	3.68 6.36 350 500 650 15.9 28.6	6.65 64 (1) 385 550 715 15.9 28.6 500	6.93 420 600 780 15.9	6.84 455 650 845 1 34.9	6.83 490 700 910 9.1		
SCOP Maximum number Indoor index connection Piping connection	r of connect Min. Nom. Max. Is Liquid Gas Total pipin length	OD OD g System Actual	mm mm m	3.52 6.62 280 400 520 12.7 28.6	3.59 6.47 315 450 585 15.9 28.6	3.68 6.36 350 500 650 15.9 28.6	6.65 64 (1) 385 550 715 15.9 28.6 500	6.93 420 600 780 15.9	6.84 455 650 845 1 34.9	6.83 490 700 910 9.1		
SCOP Maximum number Indoor index connection Piping connection Power supply	r of connect Min. Nom. Max. Is Liquid Gas Total pipin length Phase/Free	OD OD g System Actual	mm mm Hz/V	3.52 6.62 280 400 520 12.7 28.6	3.59 6.47 315 450 585 15.9 28.6	3.68 6.36 350 500 650 15.9 28.6	6.65 64 (1) 385 550 715 15.9 28.6 500 3N~/50/380-415	6.93 420 600 780 15.9	6.84 455 650 845 1' 34.9	6.83 490 700 910 9.1		

10T



VRV IV C<sup>+</sup>series



RXYLQ-T

/RV



### Welcome a new range of features

#### More flexibility

- > Mixed connection of HT hydroboxes and VRV indoor units
- > Connects to stylish indoor units such as Daikin Emura, Nexura, ... (no mixed connection with other indoors possible)
- > Extension of the range: 8-10-12-14HP, combinable up to 42HP while keeping the most compact casing in the market
- > Extended piping length up 165m (actual) > Extended indoor unit height difference to 30m

#### More capacity

> Up to 72% increased capacity (!) per model thanks to new compressor and larger heat exchanger

#### Easier commissioning & customisation

- > 7 segment display
- > 2 analogue input signals allowing external control of
  - ON-OFF (e.g. compressor)
  - Operation mode (cooling / heating)
  - Limit of capacity
  - Error signal

### **Total solution**



Daikin Emura wall mounted unit



Biddle air curtain



Air handling unit for ventilation

Nexura

Floor standing unit





Low temperature hydrobox

8 to 14 HP

principle

the technical room

30 to 42 HP

Most compact casing in the market!

16 to 28 HP

Unique zero heat dissipation

> No need for ventilation or cooing in

> Control heat dissipation to achive

maximum efficiency: set target

regulates actual heat dissipation

technical room temperature and unit



### the outside

- > Seamless integration in the surrounding architecture as you cannot see the unit
- > Very flexible indoor installation as there is no heat
- > Superior efficiency, even in the most extreme outside

#### Variable water flow control

- > The variable water flow control option reduces excessive energy use by the circulation pump.
- reduced when possible, saving energy.

per system making it ideal to comply with the EN378 legislation limiting the amount of

#### The refrigerant levels remain limited thanks to:

of one big system. Thanks to the water circuit heat recovery is still possible in the entire building

- que range of single and multi BS boxes.







-88-



### VRV IV water cooled+ series

#### Ideal for high rise buildings, using water as heat source

- > Environmental conscious solution: reduced CO<sub>2</sub> emmisions thanks to the use of geothermal energy as a renewable energy source and typical lower refrigerant levels making it ideal to comply with EN378
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units, Biddle air curtains and hot water
- > Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexiblity
- > Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7-segment display and full inverter compressors
- > Developed for easy installation and servicing: choice between top or front connection for refrigerant piping and rotating switch box for easy access to serviceable parts
- > Compact & lightweight design can be stacked for maximum space saving: 42HP can be installed in less than 0,5m<sup>2</sup> floorspace
- > 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- > Unified model for heat pump and heat recovery version and geothermal and standard operation
- > Variable Water Flow control option increases flexibility and control
- > 2 analogue input signals allowing external control of ON-OFF,
- operation mode, error signal, ...
- > Contains all standard VRV features

#### Connectable stylish indoor units

MS •	•	•
A-A •	•	•
δ-K	•	•
1-F	•	•
	MS • A-A • G-K ////////////////////////////////////	MS • • • • • • • • • • • • • • • • • • •

Outdoor unit				RWEYQ	8T9	10T9	12T9	14T9
Capacity range				HP	8	10	12	14
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0
Heating capacity	Prated,h			kW	25.0	31.5	37.5	45.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0
Recommended com	bination				4 x FXMQ50P7VEB	4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	1 x FXMQ50P7VEB + 5 x FXMQ63P7V
ηs,c				%	326.8	307.8	359.0	330.7
ηs,h				%	524.3	465.9	436.0	397.1
SEER					8.4	7.9	9.2	8.5
SCOP					13.3	11.8	11.1	10.1
Maximum number o	f connectable inc	door units				64	l (1)	
Indoor index	Min.				100.0	125.0	150.0	175.0
connection	Nom.						-	
	Max.				300.0	375.0	450.0	525.0
Dimensions	Unit	HeightxWi	dthxDepth	mm		980x7	67x560	
Weight	Unit			kg	1	95		197
Sound power level	Cooling	Nom.		dBA	65.0	71.0	72.0	74.0
Sound pressure level	Cooling	Nom.		dBA	48.0	50.0	56.0	58.0
Operation range	Inlet water	Cooling	Min.~Max.	°CDB		10-	~45	
	temperature	Heating	Min.~Max.	°CWB		10-	~45	
	Temperature around	Max.		°CDB		4	10	
	casing							
	Humidity around	Cooling~Heating	Max.	%		80	~80	
	casing							
Refrigerant	Type/GWP					R-410A	/2.087.5	
	Charge			ka/TCO2Fa	79	/16.5	9	6/20.0
Piping connections	Liquid	OD		mm	g	952		127
	Gas	OD		mm	19.1 (2)	22.2 (2)	2	8.6 (2)
	HP/LP gas	OD		mm	15.9 (3) / 19.1 (4)	19.1 (3) / 22.2 (4)	19.1 (3) / 28.6 (4)	22.2 (3) / 28.6 (4)
	Drain	Size				14mm OD	)/ 10mm ID	
	Water	Inlet/Outlet	Size			ISO 228-G1 1/4 B	/ISO 228-G1 1/4 B	
	Total piping length	System	Actual	m		5	00	
Power supply	Phase/Frequence	v/Voltage		Hz/V		3N~/50	/380-415	
Current - 50Hz	Maximum fuse a	amps (MFA)		A		20		25





### **Published data with**

real-life indoor units

	-		ng ng	
Domestic hot water Air handling unit Low temp. radiator Underfloor heating	45°C - 75°C 25°C - 75°C 45°C - 75°C 25°C - 35°C	Daikin solar panel Domest water ta	VRV indoo	r units BS-Box BS-Box
	hy	drobox for VRV		





	ir	ndoor u	nits							Personal Second
stic hot water andling	Heating 45°C - 75°C 25°C - 75°C	Hot water Daikir Solar panel	nits Extracted heat delivers free hot water and heating VRV indoor units			0'0'0	)]			Liniter Inventer
v temp. adiator derfloor heating	45℃ - 75℃ 25℃ - 35℃	Domewater	estic hot tank	BS-Box			RWEYQ-T9			
	Hea hydro	ating only box for VRV								
v temp. adiator derfloor Liquid pipe Gas pipe Discharge gas Hot water	25°C - 45°C 25°C - 35°C Reve ten hy pipe	or ersible low pperature ydrobox			Stage 2 heat recovery between outdoor units		Heat re	ejected to loop bsorbed from lo ejected to loop bsorbed from lo		
Outdoor unit Syste	m		PWEYO	1670	1970	* Abo	ve system confi	guration are for	r illustration pur	pose only.
System	Outdoor unit m	odule 1		RWE	YQ8T	RWEY	(Q10T	RWE	YQ12T	RWEYQ14T
Capacity range		ouule 2	HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c		kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h		kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
	Max.	6°CWB	kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
ηs,c ns h			%	307.6	308.7	298.1	311.3	342.0	322.5	306.1
SEER			,0	7	.9	7.7	8.0	8.8	8.3	7.9
SCOP				11.7	12.5	11.9	11.4	11.1	10.4	9.9
Recommended com	bination			4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	4 x FXMQ50P7VEB	8 x FXMQ63P7VEB	12 x FXMQ50P7VEB	7 x FXMQ50P7VEB	2 x FXMQ50P7VEB
Maximum number a	f commo stable in			+2xFXMQ80P7VEB	+4xFXMQ63P7VEB	+4xFXMQ63P7VEB	6.4.(1)		+ 5 x FXMQ63P7VEB	+ 10 x FXMQ63P7VEB
Indoor index	Min.			200.0	225.0	250.0	275.0	300.0	325.0	350.0
connection	Nom.						-			
	Max.			600.0	675.0	750.0	825.0	900.0	975.0	1,050.0
Piping connections	Liquid	OD	mm	127		15	99		24.0 (2)	1
	HP/I P das	OD OD	mm	22.2 (2)	28.6	286(3)/286(4)	28 6 (3) / 28 6 (4)		34.9 (2) 28 6 (3) / 34 9 (4)	
	Total piping length	System	Actual m		、 '/		500		(3), 3 (1) (4)	
Power supply	Phase/Frequen	cy/Voltage	Hz/V				3N~/50/380-415		1	
Current - 50Hz	Maximum fuse	amps (MFA)	A	3	2	35	4	0	5	0
Outdoor unit Syste	m		RWEYQ	30T9	32T9	34T9	36T9	38T9	40T9	42T9
System	Outdoor unit m	odule 7		D\\//E\	KWEYQ10T (O10T		RWEVO12T	KWEYQ12T	D\\//\	KWEYQ14T
	Outdoor unit m	odule 3		RWEYO10T		RWEYO12T	IWEIQIZI		RWEYO14T	
Capacity range			HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c		kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0
Heating capacity	Prated,h Max	6°C\MP	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
Recommended com	bination	UCWD	KVV	12 x FXMO63P7VFR	6 x FXMO50P7VFR	12 x FXMO50P7VFR	18 x FXMO50P7VFR	12 0.0 13 x FXMO50P7VFR	8 x FXMO50P7VFR	3 x FXMO50P7VER
					+ 8 x FXMQ63P7VEB	+ 4 x FXMQ63P7VEB		+ 5 x FXMQ63P7VEB	+ 10 x FXMQ63P7VEB	15 x FXMQ63P7VEB
ηs,c			%	308.3	318.2	342.5	352.3	338.8	341.4	332.9
ηs,h			%	467.2	456.1	447.0	438.5	419.4	404.4	391.2
SCOP				7.9	8.2	8.8 11.4	9.0	10.7	10.7	8.5 10.0
Maximum number o	f connectable in	door units			11.0		64 (1)	10.7	10.5	10.0
Indoor index	Min.			375.0	400.0	425.0	450.0	475.0	500.0	525.0
connection	Nom.						-			
Distance	Max.	05		1,125.0	1,200.0	1,275.0	1,350.0	1,425.0	1,500.0	1,575.0
Piping connections	Liquid	00	mm		24.0		19.1 (2)	A*	12	
	HP/LP das	OD	inm mm		28.6 (3) / 34.9 (4)			41 3 (3)	/ 34.9 (4)	
	Total piping length	System	Actual m				500	.1.5 (3)		
Power supply	Phase/Frequen	cy/Voltage	Hz/V				3N~/50/380-415			
Current - 50Hz	Maximum fuse	amps (MFA)	A	50		6	3		8	0

(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hvdrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | (2) In case of heat pump system, gas pipe is not used (3) In case of heat recovery system (4) In case of heat pump system



50 CLASS

42 CLASS

-90-

	00
¢	Vatiable Refrigerant
Te	mperature

VRV IV W series







#### BS1Q-A

### Individual branch selector for VRV IV heat recovery

- > Unique range of single and multi BS boxes for flexible and fast design
- Compact & light to install
- > Ideal for remote rooms as no drain piping is needed
- > Allows integration of server rooms into the heat recovery solution thanks to technical cooling function
- > Connect up to 250 class unit (28kW)
- > Faster installation thanks to open port connection UNIQUE
- > Allows multi tenant applications
- > Connectable to REYQ-U, RQCEQ-P3 and RWEYQ-T9 heat recovery units

Indoor unit				BS	1Q10A	1Q16A	1Q25A
Power input	Cooling	Nom.		kW		0.005	
	Heating	Nom.		kW		0.005	
Maximum number o	of connectable ind	door units			6	8	
Maximum capacity	index of connecta	ble indoor un	its		15 < x ≤ 100	100 <x≤160< td=""><td>160<x≤250< td=""></x≤250<></td></x≤160<>	160 <x≤250< td=""></x≤250<>
Dimensions	Unit	HeightxWi	dthxDepth	mm		207x388x326	
Weight	Unit			kg	1:	2	15
Casing	Material					Galvanised steel plate	
Piping connections	Outdoor unit	Liquid	OD	mm		9.5	
		Gas	OD	mm	15	.9	22.2
		Discharge gas	OD	mm	12	.7	19.1
	Indoor unit	Liquid	OD	mm		9.5	
		Gas	OD	mm	15	.9	22.2
Sound absorbing th	ermal insulation				Foame	d polyurethane Flame-resistant needl	e felt
Power supply	Phase					1~	
	Frequency			Hz		50	
	Voltage			V		220-240	
	Maximum fuse a	amps (MFA)		A		15	

#### BS-Q14AV1B

### Multi branch selector for VRV IV heat recovery

- > Unique range of single and multi BS boxes for flexible and fast design
- > Major reduction in installation time thanks to wide range, compact size and light weight multi BS boxes
- > Up to 70% smaller and 66% lighter than previous series
- > Faster installation thanks to a reduced number of brazing points and wiring
- > All indoor units connectable to one BS box
- > Less inspection ports needed compared to installing single BS boxes
- > Up to 16kW capacity available per port
- > Connect up to 250 class unit (28kW) by combining 2 ports
- > No limit on unused ports allowing phased installation
- > Faster installation thanks to open port connection
- > Refrigerant filters for high reliability UNIQUE
- Allows multi tenant applications
   UNIQUE
- > Connectable to REYQ-U, RQCEQ-P3 and RWEYQ-T9 heat recovery units

Indoor unit				BS	4Q14AV1B	6Q14AV1B	8Q14AV1B	10Q14AV1B	12Q14AV1B	16Q14AV1B
Power input	Cooling	Nom.		kW	0.043	0.064	0.086	0.107	0.129	0.172
	Heating	Nom.		kW	0.043	0.064	0.086	0.107	0.129	0.172
Maximum number o	of connectable ind	loor units			20	30	40	50	60	64
Maximum number o	of connectable ind	loor units per	branch					5		
Number of branches	s				4	6	8	10	12	16
Maximum capacity i	index of connecta	ble indoor un	its		400	600		7	50	
Maximum capacity i	index of connecta	ble indoor un	its per branch				14	10		
Dimensions	Unit	HeightxWi	dthxDepth	mm	298x370x430	298x5	80x430	298x8	20x430	298x1,060x430
Weight	Unit			kg	17	24	26	35	38	50
Casing	Material						Galvanised	l steel plate		
Piping connections	Outdoor unit	Liquid	OD	mm	9.5	12.7	12.7 / 15.9	15.9	15.9 / 19.1	19.1
		Gas	OD	mm	22.2 / 19.1	28.6 / 22.2	28.6	28.6	/ 34.9	34.9
		Discharge gas	OD	mm	19.1 / 15.9	19.1 / 22.2	19.1 / 22.2 / 28.6		28.6	
	Indoor unit	Liquid	OD	mm			9.5	/ 6.4		
		Gas	OD	mm			15.9	/ 12.7		
	Drain						VP20 (I.D.	20/O.D. 26)		
Sound absorbing th	ermal insulation						Urethane foam, p	olyethylene foam		
Power supply	Phase						1	~		
	Frequency			Hz			5	0		
	Voltage			V			220	-440		
	Maximum fuse a	amps (MFA)		A			1	5		



BS1Q-A



BS6,8Q14AV1B

# Products overview **VRV IV**

													Cap	bacit	y cla	iss (k	.W)
Туре	e Model	Pr	oduct name	15	20	25	32	40 !	50 6	53	71	80	100	125	140	200 2	250
Coo	ling capacity	/ (kW) <sup>1</sup>		1.7	2.2	2.8	3.6	1.5 5	.6 7	7.1	8.0	9.0	11.2	14.0 <sup>-</sup>	16.0	22.4 2	8.0
Hea	ting capacity	/ (kW) <sup>2</sup>		1.9	2.5	3.2	4.0	5.0 e	i.3 8	<b>.</b> 0	9.0	10.0	12.5	16.0	18.0	25.0 3	\$1.5
	UNIQUE Round flow cassette	<ul> <li>360° air discharge for optimum efficiency and comfort</li> <li>Auto cleaning function ensures high efficiency</li> <li>Intelligent sensors save energy and maximize comfort</li> <li>Flexibility to suit every room layout</li> <li>Lowest installation height in the market!</li> <li>Widest choice ever in decoration panel designs and colors</li> </ul>	FXFQ-B		•	•	•	•	•	•		•	•	•			
nted cassette	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling <ul> <li>Perfect integration in standard architectural ceiling tiles</li> <li>Blend of iconic design and engineering excellence</li> <li>Intelligent sensors save energy and maximize comfort</li> <li>Small capacity unit developed for small or well-insulated rooms</li> <li>Flexibility to suit every room layout</li> </ul>	FXZQ-A	•	•	•	•	•	•								
Ceiling mou	2-way blow ceiling mounted cassette	Thin, lightweight design installs easily in narrow ceiling spaces         > Depth of all units is 620mm, ideal for narrow ceiling spaces         > Flexibility to suit every room layout         > Reduced energy consumption thanks to DC fan motor         > The flaps close entirely when the unit is not operating         > Optimum comfort with automatic air flow adjustment to the required load	FXCQ-A		•	•	•	•	•	•		•		•			
	Ceiling mounted corner cassette	<ul> <li>1-way blow unit for corner installation</li> <li>Compact dimensions enable installation in narrow ceiling voids</li> <li>Flexible installation thanks to different air discharge options</li> </ul>	FXKQ-MA			•	•	•		•							
	Slim concealed ceiling unit	Slim design for flexible installation > Compact dimensions enable installation in narrow ceiling voids > Medium external static pressure up to 44Pa > Only grilles are visible > Small capacity unit developted for small of well-insulated rooms > Reduced energy consumption thanks to DC fan motor	FXDQ-A3	•	•	•	•	•	•	•		Au fil	to cl ter o	eanin optior	ng N	Mu	lti zor optio
cealed ceiling	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market!           > Slimmest unit in class, only 245mm           > Low operating sound level           > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths           > Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSQ-A	•	•	•	•	•	•	•		•	•	•	•	Mu	lti zor optio
Cone	Concealed ceiling unit with high ESP	ESP up to 200, ideal for large sized spaces > Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment > Reduced energy consumption thanks to DC fan motor > Flexible installation as the air suction direction can be altered from rear to bottom suction	FXMQ-P7						•	•		•	•	•			
	Concealed ceiling unit with high ESP	ESP up to 270, ideal for extra large sized spaces > Only grilles are visible > Large capacity unit: up to 31.5 kW heating capacity	FXMQ-MB													•	•
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space           > Flat, stylish front panel is more easy to clean           > Small capacity unit developted for small of well-insulated rooms           > Reduced energy consumption thanks to DC fan motor           > The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAQ-A	•	•	•	•	•	•	•							
uspended	Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space <ul> <li>Ideal for comfortable air flow in wide rooms thanks to Coanda effect</li> <li>Rooms with ceilings up to 3.8m can be heated or cooled very easily!</li> <li>Can easily be installed in both new and refurbishment projects</li> <li>Can even be mounted in corners or narrow spaces without any problem</li> <li>Reduced energy consumption thanks to DC fan motor</li> </ul>	FXHQ-A				•			•			•				
Ceiling s	UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space <ul> <li>Rooms with ceilings up to 3.5m can be heated up or cooled down very easily!</li> <li>Can easily be installed in both new and refurbishment projects</li> <li>Flexibility to suit every room layout</li> <li>Reduced energy consumption thanks to DC fan motor</li> </ul>	FXUQ-A								•		•				
anding	Floor standing unit	For perimeter zone air conditioning > Can be installed in front of glass walls or free standing as both the front and the back are finished > Ideal for installation beneath a window > Requires very little installation space > Wall mounted installation facilitates cleaning beneath the unit	FXLQ-P		•	•	•	•		•							_
Floor st	Concealed floor standing unit	Ideal for installation in offices, hotels and residential applications <ul> <li>Discretely concealed in the wall, leaving only the suction and discharge grilles visible</li> <li>Can even be installed underneath a window</li> <li>Requires very little installation space as the depth is only 200mm</li> <li>High ESP allows flexible installation</li> </ul>	FXNQ-A		•	•	•	•	•	•							

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m (2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

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### Stylish indoor units overview

Depending on the application, Split and Sky Air indoor units can be connected to our VRV IV and VRV IV S-series outdoor units. Refer to the **outdoor unit portfolio** for combination restrictions.

Refer to th	ne <b>outdoor unit portfolio</b> fo	or combination	n									C	onne	table outd	oor u	nit
restriction								(	Capacit	y class	(kW)	ryq-U	(YQ-U	(YSCQ-TV1³ (YSQ-TV9³ (YSQ-TY9/TY1³	NEYQ-T9⁴	суц <u>о-</u> т
Туре	Model	Product name		15	20	25	35	42	50	60	71	8	8	552	2	8
	(incl. auto-cleaning function!)	FCAG-B	8.				•		•	•				$\checkmark$		
Ceiling mounted cassette	Fully flat cassette	FFA-A9				•	•		•	•				$\checkmark$		
Concealed	Slim concealed ceiling unit	FDXM-F9				•	•		•	•				$\checkmark$		
ceiling	Concealed ceiling unit with inverter-driven fan	FBA-A(9)					•		•	•	Au fil	to clea ter opt	ning tion	$\checkmark$		
	Daikin Emura Wall mounted unit redot award 2014	FTXJ-MW/MS	4		•	•	•		•			~	~	$\checkmark$	$\checkmark$	$\checkmark$
Wall mounted	Stylish Wall mounted unit	FTXA-A			•	•	•	•	•			~	~	$\checkmark$	$\checkmark$	$\checkmark$
	Perfera Wall mounted unit	CTXM-N FTXM-N		•	•	•	•	•	•	•	•			$\checkmark$		
Ceiling suspended	Ceiling suspended unit	FHA-A(9)					•		•	•	•			$\checkmark$		
	Nexura floor standing unit	FVXG-K				•	•		•			~	~	$\checkmark$	~	~
Floor standing	Floor standing unit	FVXM-F	1			•	•		•			~	$\checkmark$	$\checkmark$	~	$\checkmark$
	Concealed floor standing unit	FNA-A9				•	•		•	•				$\checkmark$		

<sup>1</sup> Decoration panel BYCQ140DG9 or BYCQ140DGF9 + BRC1E\* or BRC1H\* needed

<sup>2</sup> To connect stylish indoor units a BPMKS unit is needed

<sup>3</sup> A mix of RA indoor units and VRV indoor units is not allowed.

<sup>4</sup> Only in heat pump operation

/RV

### **Round flow cassette**

### 360° air discharge for optimum efficiency and comfort

- > Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- > Bigger flaps and unique swing pattern improve equal air distribution
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Lowest installation height in the market: 214mm for class 20-63 > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- > Standard drain pump with 675mm lift increases flexibility and installation speed





Black panel

White panel White auto cleaning panel

ROUND FLOW

Black design panel





Indoor unit				FXFQ	20B	25B	32B	40B	50B	63B	80B	100B	125B
Cooling capacity	Total capacity	Nom.		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input - 50Hz	Cooling	Nom.		kW		0.	04		0.05	0.06	0.09	0.12	0.19
	Heating	Nom.		kW		0.	04		0.05	0.06	0.09	0.11	0.18
Dimensions	Unit	HeightxW	/idthxDepth	mm			204x8	40x840			246x84	10x840	288x840x840
Weight	Unit			kg		19		20		21	2	4	26
Casing	Material							Galv	anised stee	l plate			
Decoration panel	Model				Standar	d panels: BY	CQ140E - w	hite with gr	ey louvers /	BYCQ140EV	V - full white	/ BYCQ1408	B - black
						Au	to cleaning	panels BYC	Q140EGF - w	/hite / BYCQ	140EGFB - b	lack	
							Designer p	anels: BYCC	140EP - whi	ite / BYCQ14	0EPB - black		
	Dimensions	HeightxW	/idthxDepth	mm	Standar	d panels: 50	x950x950/	Auto cleani	ing panels: 1	130x950x950	) / Designer	panels: 50x	950x950
	Weight			kg		Stand	ard panels:	5.4 / Auto c	leaning par	nels: 10.3 / De	esigner pan	els: 5.4	
Fan	Air flow rate -	Cooling	Low/High	m³/min		8.8/12.5		9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
	50Hz	Heating	Low/High	m³/min		8.8/12.5		9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
Air filter	Туре								Resin net				
Sound power level	Cooling	High		dBA		49		1	51	53	55	60	61
Sound pressure	Cooling	Low/Nom	n./High	dBA	2	28.0/29.0/31	0	29.0/3	1.0/33.0	30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
level	Heating	Low/Nom	n./High	dBA	2	28.0/29.0/31	0	29.0/3	1.0/33.0	30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
Refrigerant	Type/GWP							F	R-410A/2,087	7.5			
Piping connections	Liquid	OD		mm			6.35				9.	52	
	Gas	OD		mm			12.70				15.	90	
	Drain							VP25	5 (O.D. 32 / I.	.D. 25)			
Power supply	Phase/Freque	ncy/Voltage	2	Hz/V				1~/5	0/60/220-24	0/220			
Current - 50Hz	Maximum fuse	e amps (MF/	A)	A					16				
Control systems	Infrared remot	te control					BRC7FA53	2F / BRC7FA	532FB / BRC	7FB532F / BI	RC7FB532FB		
	Wired remote	control					BRC	IH519W7/S7/	K7 / BRC1E5	3A/B/C / BR	C1D52		

### FXZQ-A

### Fully flat cassette

#### Unique design in the market that integrates fully flat into the ceiling

- > Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- > Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- > Two optional intelligent sensors improve energy efficiency and comfort
- > 15 class unit especially developed for small or well-
- insulated rooms, such as hotel bedrooms, small offices, etc.
- > Individual flap control: flexibility to suit every room layout
- without changing the location of the unit!
- > Optional fresh air intake
- > Standard drain pump with 630mm lift increases flexibility and installation speed



Indoor unit			FXZQ	15A	20A	25A	32A	40A	50A			
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60			
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30			
Power input - 50Hz	Cooling	Nom.	kW		0.043		0.045	0.059	0.092			
	Heating	Nom.	kW		0.036		0.038	0.053	0.086			
Dimensions	Unit	HeightxWidthxDepth	mm			260x5	75x575	x575				
Weight	Unit		kg		15.5		16	i.5	18.5			
Casing	Material					Galvanised	steel plate					
Decoration panel	Model					BYFQ60	C2W1W					
	Colour					White	(N9.5)					
	Dimensions	HeightxWidthxDepth	mm			46x62	0x620					
	Weight		kg			2	.8					
Decoration panel 2	Model					BYFQ6	DC2W1S					
	Colour					SIL	VER					
	Dimensions	HeightxWidthxDepth	mm			46x62	0x620					
	Weight		kg			2	.8					
Decoration panel 3	Model					BYFQ6	0B2W1					
	Colour					White (F	AL9010)					
	Dimensions	HeightxWidthxDepth	mm			55x70	0x700					
	Weight		kg			2	.7					
Decoration panel 4	Model					BYFQ6	0B3W1					
	Colour					WHITE (I	RAL9010)					
	Dimensions	HeightxWidthxDepth	mm			55x70	0x700					
	Weight		kg			2	.7					
Fan	Air flow rate -	Cooling Low/High	m³/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5			
	50Hz	Heating Low/High	m³/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5			
Air filter	Туре					Resi	n net					
Sound power level	Cooling	High	dBA	4	19	50	51	54	60			
Sound pressure	Cooling	Low/Nom./High	dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0			
level	Heating	Low/Nom./High	dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0			
Refrigerant	Type/GWP					R-410A	/2,087.5					
Piping connections	Liquid	OD	mm			6.	35					
	Gas	OD	mm			12	2.7					
	Drain					VP20 (I.D.	. 20/O.D. 26)					
Power supply	Phase/Frequer	ncy/Voltage	Hz/V			1~/50/60/2	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse	amps (MFA)	Α		16							
Control systems	Infrared remot	e control		BRC7E	B530W (standard	panel) / BRC7F530	)W (white panel) /	BRC7F530S (grey	panel)			
	Wired remote of	control			BRC1	H519W7/S7/K7 / BI	RC1E53A/B/C / BRO	C1D52				
Dimensions do not incl	ude control box											



BRC7F530W-S

BRC1H519W7

/RV

# 2-way blow ceiling mounted cassette

#### Thin, lightweight design installs easily in narrow corridors

- > Depth of all units is 620mm, ideal for narrow spaces
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Maintenance operations can be performed by removing the front panel
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 580mm lift increases flexibility and installation speed



#### FXKQ-MA

### Ceiling mounted corner cassette

### 1-way blow unit for corner installation

- Compact dimensions, can easily be mounted in a narrow ceiling void (only 220mm ceiling space required, 195 with panel spacer, available as accessory)
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both
- Maintenance operations can be performed by removing the front panel
- Standard drain pump with 330mm lift increases flexibility and installation speed



Indoor unit			FXKQ	25MA	32MA	40MA	63MA
Cooling capacity	Total capacity	Nom.	kW	2.8	3.6	4.5	7.10
Heating capacity	Total capacity	Nom.	kW	3.2	4.0	5.0	8.00
Power input - 50Hz	Cooling	Nom.	kW	0.0	)66	0.076	0.105
	Heating	Nom.	kW	0.0	)46	0.056	0.085
Dimensions	Unit	HeightxWidthxDepth	mm		215x1,110x710		215x1,310x710
Weight	Unit		kg		31		34
Casing	Material				Galvanise	d steel plate	
Decoration panel	Model				BYK45FJW1		BYK71FJW1
	Colour				W	hite	
	Dimensions	HeightxWidthxDepth	mm		70x1,240x800		70x1,440x800
	Weight		kg		8.5		9.5
Fan	Air flow rate - 50Hz	Cooling Low/High	m³/min	9	/11	10/13	15/18
Air filter	Туре				Resin net with	mold resistance	
Sound power level	Cooling	High	dBA	5	54	56	58
Sound pressure level	Cooling	Low/High	dBA	33.0	/38.0	34.0/40.0	37.0/42.0
Refrigerant	Type/GWP				R-410A	/2,087.5	
Piping connections	5 Liquid	OD	mm		6.35		9.52
	Gas	OD	mm		12.7		15.9
	Drain				VP25 (O.D	. 32 / I.D. 25)	
Power supply	Phase/Frequer	ncy/Voltage	Hz/V		1~/50/60/2	220-240/220	
Current - 50Hz	Maximum fuse	amps (MFA)	A			15	
Control systems	Infrared remot	e control			BRO	C4C61	
	Wired remote	control			BRC1H519W7/S7/K7 / B	RC1E53A/B/C / BRC1D52	







\* Brings in up to 10% of fresh air into the room

Fresh air intake opening in casing



BRC7F5C52

BRC1H519W7

		FXCQ	20A	25A	32A	40A	50A	63A	80A	125A
Total capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Total capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Cooling	Nom.	kW	0.031	0.0	)39	0.041	0.059	0.063	0.090	0.149
Heating	Nom.	kW	0.028	0.0	)35	0.037	0.056	0.060	0.086	0.146
Unit	HeightxWidthxDepth	mm		305x7	75x620		305x9	90x620	305x1,4	45x620
Unit		kg		1	9		22	25	33	38
Material						Galvanised	steel plate			
Model				BYBCQ	40HW1		BYBCC	63HW1	BYBCQ	125HW1
Colour						Fresh white	(6.5Y 9.5/0.5)			
Dimensions	HeightxWidthxDepth	mm		55x1,0	70x700		55x1,2	85x700	55x1,74	40x700
Weight		kg		1	0		1	11	1	3
Air flow rate - 50Hz	z Cooling Low/High	m³/min	7.5/10.5	8/	11.5	8.5/12	10.5/15	11.5/16	18.5/26	22.5/32
Туре					Re	sin net with r	mold resistar	ice		
Cooling	Nom./High	dBA	46/48	47/50	48/50	49/52	51/53	53/55	54/58	58/62
Cooling	Low/Nom./High	dBA	28.0/30.0/32.0	29.0/31.0/34.0	30.0/32.0/34.0	31.0/33.0/36.0	31.0/35.0/37.0	32.0/37.0/39.0	33.0/38.0/42.0	38.0/42.0/46.0
Heating	Low/Nom./High	dBA	28.0/30.0/32.0	29.0/31.0/34.0	30.0/32.0/34.0	31.0/33.0/36.0	31.0/35.0/37.0	32.0/37.0/39.0	33.0/38.0/42.0	38.0/42.0/46.0
Type/GWP						R-410A	/2,087.5			
Liquid	OD	mm			6.35				9.52	
Gas	OD	mm			12.7				15.9	
Drain			VP25 (O.D. 32 / I.D. 25)							
Phase/Frequer	ncy/Voltage	Hz/V	/ 1~/50/220-240							
Maximum fuse	amps (MFA)	Α	A 16							
Infrared remote control			BRC7C52							
Wired remote of	control		BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52							
	Total capacity Total capacity Cooling Heating Unit Unit Material Model Colour Dimensions Weight Air flow rate - 50Hz Type Cooling Cooling Heating Type/GWP Liquid Gas Drain Phase/Frequer Maximum fuse Infrared remote	Total capacity Nom. Total capacity Nom. Total capacity Nom. Cooling Nom. Heating Nom. Unit HeightxWidthxDepth Unit Material Model Colour Dimensions HeightxWidthxDepth Weight Air flow rate-50Hz Cooling Low/High Type Cooling Low/Nom./High Cooling Low/Nom./High Heating Low/Nom./High Heating Low/Nom./High Type/GWP Liquid OD Gas OD Drain Phase/Frequency/Voltage Maximum fuse amps (MFA) Infrared remote control Wired remote control	FXCQ         Total capacity       Nom.       kW         Total capacity       Nom.       kW         Total capacity       Nom.       kW         Cooling       Nom.       kW         Heating       Nom.       kW         Unit       HeightxWidthxDepth       mm         Unit       HeightxWidthxDepth       mm         Unit       Kg       Material         Model       Colour       Dimensions       HeightxWidthxDepth       mm         Weight       kg       krflow rate - 50Hz       Cooling       Low/High       dBA         Cooling       Nom./High       dBA       Cooling       Low/Nom./High       dBA         Cooling       Low/Nom./High       dBA       Heating       Low/Nom./High       dBA         Type/GWP       Uiquid       OD       mm       Drain       Phase/Frequency/Voltage       Hz/V         Maximum fuse amps (MFA)       A       Infrared remote control       Wired remote control	FXCQ20ATotal capacityNom.kW2.2Total capacityNom.kW2.5CoolingNom.kW0.031HeatingNom.kW0.028UnitHeightxWidthxDepthmmUnitkgMaterialModelColourColourDimensionsHeightxWidthxDepthmmWeightkgAir flow rate - 50HzCoolingLow/Highm³/min7.5/10.5TypeCoolingNom./HighdBA28.0/30.0/32.0HeatingLow/Nom./HighdBA28.0/30.0/32.0HeatingLow/Nom./HighdBA28.0/30.0/32.0Type/GWPLiquidODmmDrainPhase/Frequency/VoltageHz/VMaximum fuse amps (MFA)AInfrared remote controlWired remote control	FXCQ20A25ATotal capacityNom.kW2.22.8Total capacityNom.kW2.53.2CoolingNom.kW0.0310.0HeatingNom.kW0.0280.0UnitHeightxWidthxDepthmm	FXCQ20A25A32ATotal capacityNom.kW2.22.83.6Total capacityNom.kW2.53.24.0CoolingNom.kW0.031 $0.03$ $0.03$ HeatingNom.kW0.028 $0.03$ $0.03$ UnitHeightxWidthxDepthmm $305x775x620$ UnitUnitHeightxWidthxDepthmm $305x775x620$ UnitMaterialkg $95x775x620$ UnitModelSYBCQADINBYBCQADINSYBCQADINColourDimensionsHeightxWidthxDepthmmColourkg $1000000000000000000000000000000000000$	FXCQ         20A         25A         32A         40A           Total capacity         Nom.         kW         2.2         2.8         3.6         4.5           Total capacity         Nom.         kW         2.5         3.2         4.0         5.0           Cooling         Nom.         kW         0.031         0.037         0.041           Heating         Nom.         kW         0.028         0.037         0.037           Unit         HeightxWidthxDepth         mm         305x77xx620         0.037           Unit         HeightxWidthxDepth         mm         305x77xx620         0.037           Material         Statistic         Statistic         Galvanised           Model         Statistic         BYBCVHW1         Statistic         Galvanised           Colour         Statistic         BYBCVHW1         Statistic         Statistic           Model         Kg         Total capacity         Statistic         Statistic           Colour         kg         Total capacity         Statistic         Statistic           Model         Kg         Total capacity         Statistic         Statistic           Colour         Kg         Statist	FXCQ         20A         25A         32A         40A         50A           Total capacity         Nom.         kW         2.2         2.8         3.6         4.5         5.6           Total capacity         Nom.         kW         2.5         3.2         4.0         5.0         6.3           Cooling         Nom.         kW         0.031         0.03 <sup></sup>	FXCQ         20A         25A         32A         40A         50A         63A           Total capacity         Nom.         kW         2.2         2.8         3.6         4.5         5.6         7.1           Total capacity         Nom.         kW         2.5         3.2         4.0         5.0         6.3         8.0           Cooling         Nom.         kW         0.031         0.037         0.057         0.059         0.063           Heating         Nom.         kW         0.028         0.037         0.057         0.050         0.060           Unit         HeightxWidthxDepth         mm $= 305x77xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx$	FXCQ         20A         25A         32A         40A         50A         63A         80A           Total capacity         Nom.         kW         2.2         2.8         3.6         4.5         5.6         7.1         9.0           Total capacity         Nom.         kW         0.23         3.2         4.0         5.0         6.3         8.0         10.0           Cooling         Nom.         kW         0.031         0.03 <sup>3</sup> 0.059         0.063         0.090           Heating         Nom.         kW         0.028         0.03 <sup>3</sup> 0.059         0.063         0.090           Heating         Nom.         kW         0.028         0.03 <sup>3</sup> 0.059         0.063         0.090           Heating         Nom.         kW         0.028         0.03 <sup>3</sup> 0.057         0.056         0.060         0.086           Unit         HeightxWidthxDepth         mg         305x77x5         Save         Save





BRC1H519W7

BRC4C61

### Multi zoning kit for concealed ceiling units

### Benefits

#### Increased comfort

- > Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately

adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat

- Individual thermostat for room-by-room or zone-by-zone control

#### Easy to install

- > Automatic air flow adjustment according to the demand
- > Easy to install, integrates with the Daikin indoor units and system controls
- > Time saving as plenum comes fully pre-assembled with dampers, and control boards
- > Reduces the amount of refrigerant required in the installation



### Compatibility



### How does it work?



Individual zone thermostats

Blueface - Airzone Airzone Zone Main Thermostat Thermostat > Graphic interface with Color graphic interface low-energy e-ink screen

for controlling zones > Wired communication

21



AZCE6BLUEFACECB

AZCE6THINKRB



**AZCE6LITERB** 

Airzone Zone

Thermostat > Thermostat with buttons for controlling the

Zoning box:

plenum with

dampers

temperature





### FXDQ-A3

### Slim concealed ceiling unit

### Slim design for flexible installation

- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- > Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Flexible installation, as the air suction direction can be altered from rear to bottom suction
- > Standard drain pump with 750mm lift increases flexibility and installation speed







Indoor unit			FXDQ	15A3	20A3	25A3	32A3	40A3	50A3	63A3	
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	
Power input - 50Hz	Cooling	Nom.	kW	0.071			0.078	0.099	0.110		
	Heating	Nom.	kW		0.	068		0.075	0.096	0.107	
Required ceiling vo	id >		mm				240				
Dimensions	Unit	HeightxWidthxDepth	mm	200x750x620 200x950x620				50x620	200x1,150x620		
Weight	Unit		kg		2	2.0		2	6.0	29.0	
Casing	Material			Galvanised steel							
Fan	Air flow rate - 50Hz	Cooling Low/High	m³/min	6.4/7.5		6.4/8.0		8.5/10.5	10.0/12.5	13.0/16.5	
	External static	Nom./High	Pa		10/	/30.0		15/44.0			
	pressure - 50Hz										
Air filter	Туре					Ren	novable / wash	nable			
Sound power level	Cooling	High	dBA	50		51		52	53	54	
Sound pressure level	Cooling	Low/Nom./High	dBA	27.0/31.0/32.0		27.0/31.0/33.0		28.0/32.0/34.0	29.0/33.0/35.0	30.0/34.0/36.0	
Refrigerant	Type/GWP						R-410A/2,087.	5			
Piping connections	Liquid	OD	mm			6.	35			9.52	
	Gas	OD	mm			12	2.7			15.9	
	Drain					VP	20 (I.D. 20/O.D	. 26)			
Power supply	Phase/Frequen	cy/Voltage	Hz/V	Hz/V 1~/50/60/220-240/220							
Current - 50Hz	Maximum fuse	amps (MFA)	Α	A 16							
Control systems	Infrared remote control			BRC4C65 / BRC4C66							
	Wired remote o	ontrol				BRC1H519W7/S	7/K7 / BRC1E53	A/B/C/ BRC1D52	2		



BRC1H519W7



Auto cleaning filter option

### **Concealed ceiling unit** with medium ESP

#### Slimmest yet most powerful medium static pressure unit on the market

- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Quiet operation: down to 25dBA sound pressure level
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Optional fresh air intake
- > Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- > Standard built-in drain pump with 625mm lift increases flexibility and installation speed





For free use into a false



BRC1H519W7

BRC4C65

#### For connecting onto a For direct connection to Daikin panel (via EKBYBSD kit)

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Indoor unit			FXSQ	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.	kW		0.090		0.096	0.151	0.154	0.188	0.213	0.290	0.331	0.386
	Heating	Nom.	kW	0.086 0.092			0.147	0.150	0.183	0.209	0.285	0.326	0.382	
Dimensions	Unit	HeightxWidthxDepth	mm	245x550x800		245x70	00x800	245x1,0	00x800	245x1,4	00x800	245x1,550x800		
Weight	Unit		kg		23.5		24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material			Galvanised stee				el plate						
Fan	Air flow rate -	Cooling Low/High	m³/min	6.5/8.7	6.5/	/9.0	7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
	50Hz	Heating Low/High	m³/min	6.5/8.7	6.5/	/9.0	7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
	External static	Nom./High	Pa				30/150				40/	/150	50/	/150
	pressure - 50Hz	2												
Air filter	Туре								Resin net	t				
Sound power level	Cooling	High	dBA		54		55	6	0	59	€ 61		64	
Sound pressure	Cooling	Low/Nom./High	dBA	25.0/28.0/29.5	25.0/28	.0/30.0	26.0/29.0/31.0	29.0/32	2.0/35.0	27.0/30.0/33.0	29.0/32.0/35.0	31.0/34.0/36.0	33.0/36.0/39.0	34.0/38.0/41.5
level	Heating	Low/Nom./High	dBA	26.0/29.0/31.5	26.0/29	0.0/32.0	27.0/30.0/33.0	29.0/34	1.0/37.0	28.0/32.0/35.0	30.0/34.0/37.0	31.0/34.0/37.0	33.0/37.0/40.0	34.0/38.5/42.0
Refrigerant	Type/GWP							R-4	410A/2,08	87.5				
Piping connections	Liquid	OD	mm			6	.35					9.52		
	Gas	OD	mm			1	2.7					15.9		
	Drain			VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequer	ncy/Voltage	Hz/V	:/V 1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse	amps (MFA)	Α	16										
Control systems	Infrared remot	e control							BRC4C65					
	Wired remote of	ed remote control			BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52									

### Concealed ceiling unit with high ESP

#### Ideal for large sized spaces FXMQ-P7: ESP up to 200 Pa

- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > High external static pressure up to 200Pa facilitates extensive duct and grille network
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > Fresh air intake integrated in the same system thus reducing
- installation cost as no additional ventilation device is required > Flexible installation, as the air suction direction can be altered
- from rear to bottom suction
- > Standard built-in drain pump with 625mm lift increases flexibility and installation speed

### FXMQ-MB: ESP up to 270 Pa

- > High external static pressure up to 270Pa facilitates extensive duct and grille network
- grilles are visible



#### Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within  $\pm 10\%$ 

After installation the real ducting will frequently differ from the initially calculated air flow resistance \* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster

Indoor unit				FXMQ	50P7	63P7	80P7	100P7	125P7	200MB	250MB
Cooling capacity	Total capacity	Nom.		kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
5.1	Nom.			kW				-			
Heating capacity	Total capacity	Nom.		kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
5 1 7	Nom.			kW			-				
Power input - 50Hz	Cooling	Nom.		kW	0.110	0.120	0.171	0.176	0.241	0.895	1.185
	Heating	Nom.		kW	0.098	0.108	0.159	0.164	0.229	0.895	1.185
Required ceiling void	d >			mm			350			-	
Dimensions	Unit	HeightxV	WidthxDepth	mm		300x1.000x700 300x1.400x700				470x1,38	30x1,100
Weight	Unit			kg		35		4	6	13	2
Casing	Material						Ga	lvanised steel pl	ate		
Decoration panel	Model					BYBS71DJW1		BYBS12	25DJW1	-	
	Colour						White (10Y9/0.5)			-	
	Dimensions	HeightxV	VidthxDepth	mm		55x1,100x500		55x1.500x500		-X-X-	
	Weight			kg		4.5		6	.5	-	
Fan	Air flow rate -	Cooling	Low/High	m³/min	15.0/18.0	16.0/19.5	20.0/25.0	23.0/32.0	28.0/39.0	50/58	62/72
	50Hz	Heating	Low/High	m³/min	15.0/18.0	16.0/19.5	20.0/25.0	23.0/32.0	28.0/39.0	-/	-
	External static	Nom./Hi	ah	Pa			100/200			160/270	170/270
	pressure - 50Hz		5								
Air filter	Type						Resin net			-	•
Sound power level	Cooling	Nom./Hi	qh	dBA	-/61	-/64	-/67	-/65	-/70	75/	76
Sound pressure level	Cooling	Low/Hig	h	dBA	37/41	38/42	39	/43	40/44	45/	48
	Heating	Low/Hig	h	dBA	37/41	38/42	39	/43	40/44	-/	<u>_</u>
Refrigerant	Type/GWP			1			R-410A/-			R-410A	2,087.5
Piping connections	Liquid	OD		mm	6.35			9.	52		
	Gas	OD		mm	12.7	12.7 15.9				19.1	22.2
	Drain				VP25 (I.D. 25/O.D. 32)				PS	1B	
Power supply	Phase/Frequen	cy/Voltage		Hz/V	/V 1~/50/60/220-240/220				1~/50/2	20-240	
Current - 50Hz	Maximum fuse	amps (MFA	()	A				16			
Control systems Infrared remote control					BRC4C65						
•	Wired remote control		BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52								



Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

#### Why

After installation the real ducting will frequently differ from the initially calculated air flow resistance \* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model),

making installation much faster







### FXAQ-A

### Wall mounted unit

### For rooms with no false ceilings nor free floor space

- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
   The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- > Maintenance operations can be performed easily from the front of the unit

Indoor unit			FXAQ	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	Nom.	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.	kW	0.	02	0.	03	0.02	0.03	0.05
	Heating	Nom.	kW		0.03		0.04	0.02	0.04	0.06
Dimensions	Unit	HeightxWidthxDepth	mm		290x79	95x266			290x1,050x269	
Weight	Unit		kg		1	2			15	
Fan	Air flow rate -	Cooling Low/High	m³/min	7.0/8.4	7.0/9.1	7.0/9.4	7.0/9.8	9.7/12.2	11.5/14.4	13.5/18.3
	50Hz									
Air filter	Туре					W	ashable resin n	et		
Sound power level	Cooling	High	dBA	51.0	52.0	53.0	55	5.0	58.0	63.0
Sound pressure	Cooling	Low/High	dBA	28.5/32.0	28.5/33.0	28.5/35.0	28.5/37.5	33.5/37.0	35.5/41.0	38.5/46.5
level	Heating	Low/High	dBA	28.5/33.0	28.5/34.0	28.5/36.0	28.5/38.5	33.5/38.0	35.5/42.0	38.5/47.0
Refrigerant	Type/GWP						R-410A/2,087.5			
Piping connections	Liquid	OD	mm			6.	35			9.52
	Gas	OD	mm			12	.7			15.9
	Drain					VF	13 (I.D. 15/O.D.	18)		
Power supply	Phase/Frequer	ncy/Voltage	Hz/V	Hz/V 1~/50/220-240						
Current - 50Hz	Maximum fuse	amps (MFA)	A				16			
Control systems	Infrared remot	e control				BRC7	'EA628 / BRC7E	A629		
	Wired remote of	control				BRC1H519W7/S7	7/K7 / BRC1E53A	/B/C / BRC1D52	2	



### Ceiling suspended unit

### For wide rooms with no false ceilings nor free floor space

- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



BRC1H519W7 BRC7G53



Fresh air intake opening in casing



\* Brings in up to 10% of fresh air into the room



Indoor unit			FXHQ	32A	63A	100A		
Cooling capacity	Total capacity	Nom.	kW	3.6	7.1	11.2		
Heating capacity	Total capacity	Nom.	kW	4.0	8.0	12.5		
Power input - 50Hz	Cooling	Nom.	kW	0.107	0.111	0.237		
	Heating	Nom.	kW	0.107	0.111	0.237		
Dimensions	Unit	HeightxWidthxDepth	mm	235x960x690	235x1,270x690	235x1,590x690		
Weight	Unit		kg	24	33	39		
Casing	Material				Resin			
Fan	Air flow rate -	Cooling Low/High	m³/min	10.0/14.0	14.0/20.0	19.0/29.5		
	50Hz	Heating Low/High	m³/min	10.0/14.0	14.0/20.0	19.0/29.5		
Air filter	Туре				Resin net with mold resistance			
Sound power level	Cooling	Nom./High	dBA	52/54	53/55	55/62		
Sound pressure	Cooling	Low/Nom./High	dBA	31.0/34.0/36.0	34.0/35.0/37.0	34.0/37.0/44.0		
level	Heating	Low/Nom./High	dBA	31.0/34.0/36.0	34.0/35.0/37.0	34.0/37.0/44.0		
Refrigerant	Type/GWP				R-410A/2,087.5			
Piping connections	s Liquid	OD	mm	6.35	9.1	52		
	Gas	OD	mm	12.7	15	.9		
	Drain			VP20 (I.D. 20/O.D. 26)				
Power supply	Phase/Frequer	ncy/Voltage	Hz/V	1~/50/220-240				
Current - 50Hz	Maximum fuse	amps (MFA)	А	A 16				
Control systems	Infrared remot	e control		BRC7GA53-9				
	Wired remote of	control		BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52				

# 4-way blow ceiling suspended unit

#### Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- > 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Standard drain pump with 500mm lift increases flexibility and installation speed





ndoor unit			FXUQ	71A	100A
Cooling capacity	Total capacity	Nom.	kW	8.0	11.2
leating capacity	Total capacity	Nom.	kW	9.0	12.5
ower input - 50Hz	Cooling	Nom.	kW	0.090	0.200
	Heating	Nom.	kW	0.073	0.179
Dimensions	Unit	HeightxWidthxDepth	mm	198x95	0x950
Veight	Unit		kg	26	27
Lasing	Material			Re	sin
an	Air flow rate -	Cooling Low/High	m³/min	16.0/22.5	21.0/31.0
	50Hz	Heating Low/High	m³/min	16.0/22.5	21.0/31.0
Air filter	Туре			Resin net with r	nold resistance
ound power level	Cooling	Nom./High	dBA	56/58	62/65
ound pressure	Cooling	Low/Nom./High	dBA	36.0/38.0/40.0	40.0/44.0/47.0
evel	Heating	Low/Nom./High	dBA	36.0/38.0/40.0	40.0/44.0/47.0
Refrigerant	Type/GWP			R-410A	/2,087.5
piping connections	Liquid	OD	mm	9.	52
	Gas	OD	mm	15	.9
	Drain			I.D. 20/	O.D. 26
ower supply	Phase/Frequer	cy/Voltage	Hz/V	1~/50/60/220	-240/220-230
Current - 50Hz	Maximum fuse	amps (MFA)	Α	1	6
Control systems	Infrared remot	e control		BRC	7C58
	Wired remote of	control		BRC1H519W7/S7/K7 / BF	RC1E53A/B/C / BRC1D52



FXUQ-A







### Concealed floor standing unit

### Designed to be concealed in walls

- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Requires very little installation space as the depth is only 200mm
   Its low height (620 mm) enables the unit to fit perfectly beneath a window
- > High ESP allows flexible installation



### FXLQ-P

### Floor standing unit

### For perimeter zone air conditioning

- Unit can be installed as free standing model by use of optional back plate
- > Its low height enables the unit to fit perfectly beneath a window
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- > Requires very little installation space
- Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate
- > Wired remote control can easily be integrated in the unit



Indoor unit			FXNQ	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.	kW	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	Nom.	kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	Nom.	kW	0.071			0.078	0.099	0.110
	Heating	Nom.	kW	0.068		0.075	0.096	0.107	
Dimensions	Unit	HeightxWidthxDepth	mm		620 / 720x790x200	)	620 / 720	x990x200	620 / 720x1,190x200
Weight	Unit		kg		23.5		27	7.5	32.0
Casing	Material					Galvanised	l steel plate		
Fan	Air flow rate -	Cooling Low/High	m³/min		6.4/8.0		8.5/10.5	10.0/12.5	13.0/16.5
	50Hz	Heating Low/High	m³/min		6.4/8.0		8.5/10.5	10.0/12.5	13.0/16.5
	External static	Nom./High	Pa	10/	41.0	10/42.0	15/52.0	15/59.0	15/55.0
	pressure - 50Hz	2							
Air filter	Туре					Resi	n net		
Sound power level	Cooling	High	dBA		51		52	53	54
Sound pressure	Cooling	Low/Nom./High	dBA		27.0/28.5/30.0		28.0/30.0/32.0	29.0/31.0/33.0	32.0/33.0/35.0
level	Heating	Low/Nom./High	dBA		27.0/28.5/30.0		28.0/30.0/32.0	29.0/31.0/33.0	32.0/33.0/35.0
Refrigerant	Type/GWP					R-410A	/2,087.5		
Piping connections	Liquid	OD	mm			6.35			9.52
	Gas	OD	mm			12.7			15.9
	Drain					VP20 (I.D.	20/O.D. 26)		
Power supply	Phase/Frequency/Voltage Hz/V			1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse	Aaximum fuse amps (MFA)		A 16					
Control systems	Infrared remote control			BRC4C65					
	Wired remote of	red remote control			BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52				



Floor standing

Wall mounted





Indoor unit			FXLQ	20P	25P	32P	40P	50P	63P
Cooling capacity	Total capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.	kW	0.05		0.	09	0	.11
	Heating	Nom.	kW	0.	.05	0.	09	0	.11
Dimensions	Unit	HeightxWidthxDepth	mm	600x1,0	000x232	600x1,	140x232	600x1,4	120x232
Weight	Unit		kg		27		32	3	8
Fan	Air flow rate -	Cooling Low/High	m³/min	6.	0/7	6.0/8	8.5/11	11.0/14	12.0/16
	50Hz								
Air filter	Туре			Resin net					
Sound power level	Cooling	High	dBA		54		57	58	59
Sound pressure	Cooling	Low/High	dBA		32/35		33/38	34/39	35/40
level	Heating	Low/High	dBA		32/35		33/38	34/39	35/40
Refrigerant	Type/GWP					R-410A	/2,087.5		
Piping connections	s Liquid	OD	mm			6.35			9.52
	Gas	OD	mm			12.7			15.9
	Drain					O.D. 21 (Vir	yl chloride)		
Power supply	Phase/Free	quency/Voltage	Hz/V			1~/50/60/2	20-240/220		
Current - 50Hz	Maximum	fuse amps (MFA)	A	A 15					
Control systems	Infrared re	mote control		BRC4C65					
	Wired rem	ote control			BRC	IH519W7/S7/K7 / B	RC1E53A/B/C / BR	C1D52	







### Low temperature hydrobox for VRV

#### For high efficiency space heating and cooling

- > Air to water connection to VRV for applications such as underfloor, air handling units, low temperature radiators, ...
- > Leaving water temperature range from 5°C to 45°C without electric heater
- > Super wide operating range for hot/cold water production from -20 to +43°C ambient outdoor temperature
- > Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- > Space saving contemporary wall mounted design
- > No gas connection or oil tank needed
- > Connectable to VRV IV heat pump and heat recovery





Indoor Unit			HXY	080A8	125A8			
Cooling capacity	Nom.		kW	8.0 (1)	12.5 (1)			
Heating capacity	Nom.		kW	9.00 (2)	14.00 (2)			
Dimensions	Unit	Height x Width x Depth	mm	890 x 48	30 x 344			
Weight	Unit		kg	4	4			
Casing	Colour			Wh	ite			
	Material			Precoated s	heet metal			
Operation range	Cooling	Ambient Min. ~ Max.	°CDB	10 ~	43			
		Water side Min. ~ Max.	°C	5~	20			
	Heating	Ambient Min. ~ Max.	°C	-20 ~ 24				
		Water side Min. ~ Max.	°C	25 ~	25 ~ 45			
Refrigerant	Туре			R-4	10A			
	GWP			2,08	37.5			
Refrigerant circuit	Gas side o	diameter	mm	15	.9			
	Liquid sid	le diameter	mm	9.	5			
Water circuit	Piping co	Piping connections diameter incl		G 1"1/4 (	female)			
Power supply	Phase / Fi	requency / Voltage	Hz / V	V 1~/50/220-240				
Current	Recomme	ended fuses	A	6~16				
(1) Tamb 35°C - LWE 18°C	C (DT=5°C)   (2	2) DB/WB 7°C/6°C - LWC 35°C (DT=5)	°C)					

### **High temperature** hydrobox for VRV

#### For efficient hot water production and space heating

- > Air to water connection to VRV for applications such as bathrooms,
- sinks, underfloor heating, radiators and air handling units
- > Leaving water temperature range from 25 to 80°C without electric heater
- > "Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- > Uses heat pump technology to produce hot water efficiently,
- providing up to 17% savings compared to a gas boiler
- > Possibility to connect thermal solar collectors to the domestic hot water tank
- > Super wide operating range for hot water production from -20 to +43°C ambient outdoor temperature
- > Saves time on system design as all water-side components are
- fully integrated with direct control over leaving water temperature
- > Various control possibilities with weather dependant set point or thermostat control
- > The indoor unit and domestic hot water tank can be stacked to save space, or installed next to each other, if only limited height is available
- > No gas connection or oil tank needed
- > Connectable to VRV IV heat recovery



Indoor Unit			HXHD	125A	200A
Heating capacity	Nom.		kW	14.0	22.4
Dimensions	Unit	Height x Width x Depth	mm	705 x 60	) x 695
Weight	Unit		kg	92.0	147
Casing	Colour			Metallio	grey
	Material			Precoated sl	neet metal
Sound power level	Nom.		dBA	55.0 (2)	60.0 (2)
Sound pressure	Nom.		dBA	42.0 (2) / 43.0 (3)	46.0 (2) / 46.0
level	Night quiet	Level 1	dBA	38 (2)	45 (2)
	mode				
Operation range	Operation range Heating Ambient Min. ~ Max.		°C	-20.0 ~ 20	) / 24 (1)
		Water side Min. ~ Max.	°C	25 ~ 8	80.0
	Domestic	Ambient Min. ~ Max.	°CDB	-20.0 ~	43.0
	hot water	Water side Min. ~ Max.	°C	45 ~	75
Refrigerant	Туре			R-13	4a
	GWP			1,43	0
	Charge		kg	2.00	2.60
Water circuit	Piping cor	nnections diameter	inch	G 1" (fe	male)
	Heating	Water volume Max. ~ Min.	1	200 ~ 20	400 ~ 20
	water system				
Power supply	Phase / Fre	equency / Voltage	Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415
Current	Recomme	nded fuses	A	20	16

(1) Field setting | (2) Sound levels are measured at: EW 55°C; LW 65°C | (3) Sound levels are measured at: EW 70°C; LW 80°C

