



NEW SKY AIR ALPHA-SERIES WITH LOW HEIGHT



NEW SKY AIR ALPHA-SERIES RANGE EXTENSION
(35, 50, 60)

Outdoor units



WINNER



A range of industry leading technology outdoor units

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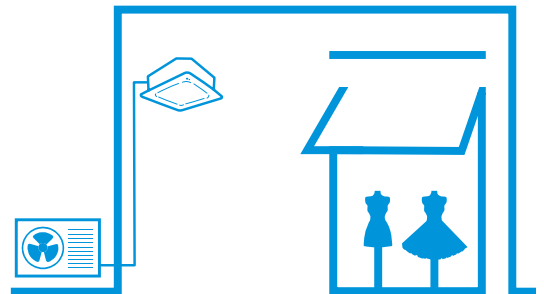
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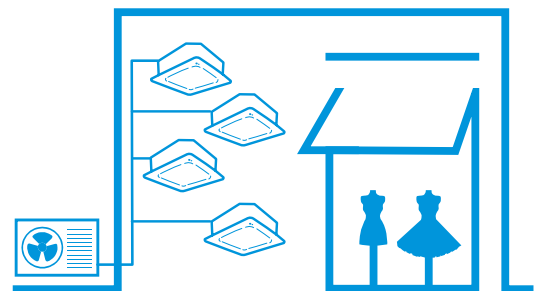
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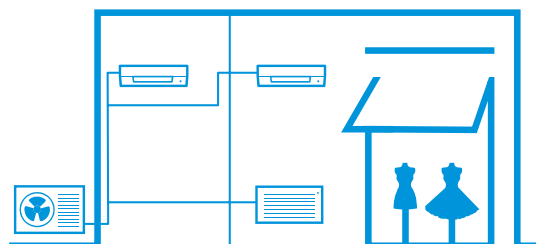
Pair solution



Twin, triple, double twin solution



Multi solution






















Products overview outdoor units

BLUEEVOLUTION

R-32

SkyAir A-series
















Pair, twin, triple & double twin application

System	Type	Model	Product name	35	50	60	71	100	125	140
Air cooled	Heat pump	<p>NEW</p> <p>SkyAir Alpha-series</p> <ul style="list-style-type: none"> - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series) 	<p>R-32</p> <p>A⁺⁺</p> <p>(A+++ - D)</p>	<p>RZAG-A</p> <p>RZAG-NV1/NY1</p> 	<p>NEW</p> 	<p>NEW</p> 	<p>NEW</p> 	<p>NEW</p> 	<p>NEW</p> 	<p>NEW</p> 
			<p>RZAG-MV/MY1</p> 							
			<p>RZASG-MV1/MY1</p> 							
		<p>SkyAir Active-series</p> <ul style="list-style-type: none"> - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to= 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications 	<p>R-32</p> <p>A</p> <p>(A+++ - D)</p>	<p>ARXM-N9</p> <p>AZAS-MV1/MY1</p> 	<p>NEW</p> 					

Pair, twin, triple & double twin application

R-410A

SkyAir

System	Type	Model	Product name	71	100	125	140	200	250
Air cooled	Heat pump	<p>Seasonal Smart</p> <ul style="list-style-type: none"> - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature - Maximum piping length up to 75m - Re-use technology - Extended operation range down to -20°C in heating and -15°C in cooling - Pair, twin, triple and double twin application 	<p>A⁺⁺</p> <p>(A+++ - D)</p>	<p>RZQG-L9V1</p> <p>RZQG-L(8)Y1</p> 					
		<p>Seasonal Classic</p> <ul style="list-style-type: none"> - Technology and comfort combined for commercial applications - Maximum piping length up to 50m - Re-use technology - Operation range down to -15°C both cooling and in heating - Pair, twin, triple and double twin application 	<p>A⁺</p> <p>(A+++ - D)</p>	<p>RZQSG-L3/L9V1</p> <p>RZQSG-L(8)Y1</p> 					
		<p>Standard outdoor unit</p> <ul style="list-style-type: none"> - Ideal solution for busy environments and small shops - Easy-to-mount outdoor units: roof, terrace or wall - Outdoor units with swing or scroll compressor - Exclusively offered for pair applications 	<p>A</p> <p>(A+++ - D)</p>	<p>AZQS-B8V1</p> <p>AZQS-BY1</p> 					
		 <ul style="list-style-type: none"> - Packaged system for commercial applications - For large commercial applications - Re-use technology - Pair, twin, triple and double twin applications 		<p>RZQ-C</p> 					

Benefits overview outdoor units

		SkyAir Alpha-series RZAG-A	SkyAir Alpha-series RZAG-NV1/NY1	SkyAir Alpha-series RZAG-MV1/MY1	SkyAir Advance-series RZASG-MV1 / MY1	SkyAir Active-series AZAS-MV1 / MY1	RZOG-L9V1/L8Y1-	RZOSG-L3/9V1/L(8)Y1	AZOS-B8V1/8Y1	RZQ-C
We care icons	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.	A++ (A+++ - D)	A++ (A+++ - D)	A++ (A+++ - D)	A+ (A+++ - D)	A (A+++ - D)	A+ (A+++ - D)	A (A+++ - D)	●
	Inverter technology	Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.	●	●	●	●	●	●	●	●
	Replacement technology	Quick and quality system replacement in the most cost effective way	●	●	●	●	●	●	●	●
Comfort	Night quiet	Lowers the operation sound of the outdoor unit automatically.	●	●	●	●	●	●	●	
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●	●	●	●
Other functions	Variable refrigeration temperature	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.		●	●		●			
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.		●	●	●	●	●		●
	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	●	●	●	●	●	●	●	●
	Guaranteed operation down to -20°C	Daikin is suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.	●	●	●		●			
	Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	●	●	●		●			

Technical benefit overview **SkyAir A-series**


	SkyAir Alpha-series RZAG-A	SkyAir Alpha-series RZAG-NV1/NY1	SkyAir Alpha-series RZAG-MV1/MY1	SkyAir Advance-series	SkyAir Active-series
Compact single fan casing on the entire range	●	●		●	●
Maximum piping length	50m	85m	85m	50 m	30 m
Pivoting front plate		●	●	●	●
7 segment display		●	●	●	●
Increased factory charge	●	●	●		
Integrated leak check		●	●		
Refrigerant bottom plate pass		●	●		
Specially developed R-32 swing compressor	●	●	●	●	●
Refrigerant cooled PCB		●	●	●	●
Intelligent Tablet controller - Online controller app	●	●	●	●	●



The new Sky Air A-series, built for all Sky Air applications

- ✓ Lighter and more compact units for easy installation.
Unique single fan range up to 14 kW



- ✓ New replacement technology 
A quicker, easier and more reliable approach when replacing existing systems

› Hepta filtration ensures reliable operation without the need for pipe cleaning



- ✓ Increased piping length up to 85m

- ✓ Widest operation range

› Cooling operation from -20°C to 52°C
› Heating operation down to -20°C



- ✓ Faster installation with up to 40m pre-charged pipe

› Up to 60% of applications can be installed without additional refrigerant charge



- ✓ Redesigned pivoting front plate for easy access to vital system components



✓ New **7-segment display** to view errors and systems settings



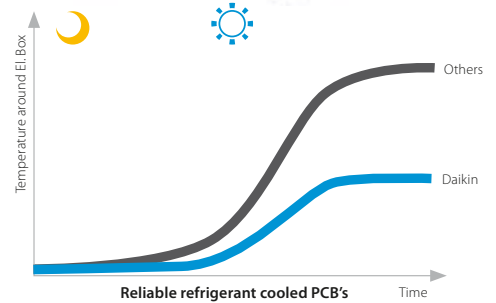
✓ Guaranteed **reliable performance** in all weather conditions

New refrigerant passes

Lower part of the outdoor heat exchanger and drain holes are kept completely open and free of ice allowing ice water to evacuate perfectly, eliminating all risk of ice build-up.

› **Refrigerant cooled PCB's**

Reliable and stable cooling, independent from outdoor conditions




✓ Integrated **leak-check function** reduces on-site checks and improves reliability

Daikin Sky Air A-series uses patented Daikin technology at the heart of the system

3-row heat exchanger

› Unique 3-row heat exchanger to allow compact casing up to 14 kW



Refrigerant cooled PCB



Daikin swing compressor

R-32

Integration of main moving parts into one component


- › No abrasion or friction
- › No refrigerant leakages
- › No temperature rise because of leakage
- › High compressor efficiencies
- › Increased system life span

UNIQUE & PATENTED TECHNOLOGY


Jigsaw curved propeller


› Curved discharge grill and Jigsaw curved propeller for minimal turbulence and optimal airflow



Bottom plate and heat exchanger refrigerant pass

- › Drain holes are kept ice free
- › Guaranteed operation down to -20°C







Benefits to increase your profit Optimise your business

Less installation time

Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs

Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

NON DAIKIN → **DAIKIN**

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three

A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

The benefits will convince your customer

- ✓ To prevent unexpected breakdown
- ✓ To lower running costs
- ✓ To protect the environment
- ✓ To improve comfort

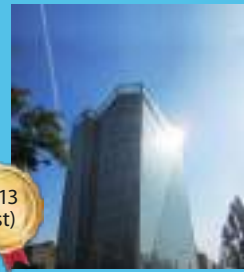
Your copper pipes will last for multiple generations

- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.

- Japan/China have replaced with VRV Q-series already 10 years ago!

Umeda Center Building, Japan

- original A/C system: 20 years in use
- replacement with VRV Q-series: 2006 - 2009
- capacity up from 1620HP to 2322HP
- SHASE renewal award:

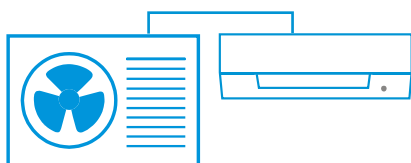


How does it work?

The Daikin low-cost upgrade solution

! Replace indoor units

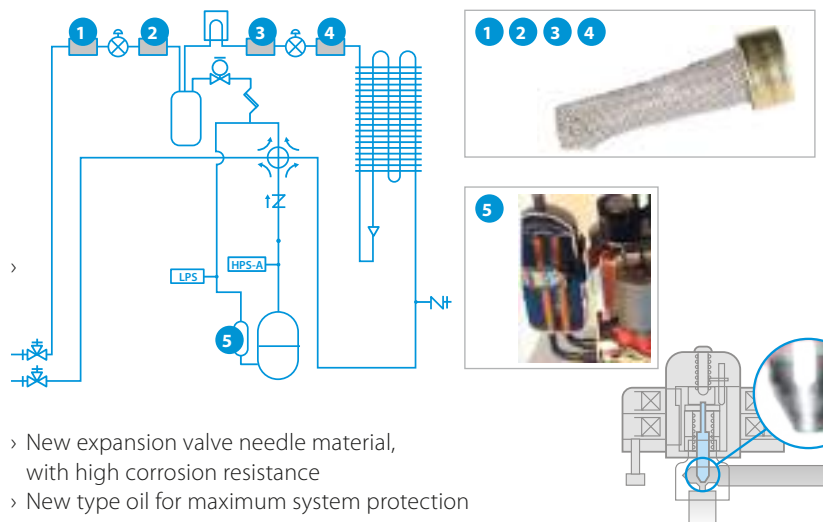
Contact your local dealer to check compatibility in case you need to keep the indoor units.



✓ Replace outdoor units

Unique technologies

> Cleaning free piping re-usage thanks to unique hepta filtering for maximum particle reduction



- > New expansion valve needle material, with high corrosion resistance
- > New type oil for maximum system protection

New simplified replacement procedure with Sky Air A-series outdoor units



How does it work?

1 Evaluate if the pipe work can be re-used

- ✓ Check if the piping installation is according to standards, that there no fractures or damages and that liquid and gas pipe have separate insulation
- ✓ Verify pipe thickness

Outside diameter (mm)	Material	Thickness (mm)
6.4	o	0.8
9.5	o	0.8
12.7	o	0.8
15.9	o	1.0
19.1	1/2H	1.0

o: annealed - 1/2H: half hard

- ✓ Verify piping diameter

	Liquid	6.4			9.5			12.7	
		Gas	9.5	12.7	15.9	19.1	15.9	19.1	
Sky Air	7.1kW	x	Δ	Δ	✓	x	Δ	x	
	10.0-14.0kW	x	x	Δ	✓	o	Δ	Δ	
	20.0-25.0kW	Refrigerant pipe size-up required. Please consult the RZQ-C installation manual.							

- ✓ Possible (Standard condition)
- o Possible (With no impact on chargeless length and total length)
- Δ Possible (With impact on chargeless length and total length)
- x Impossible

- ✓ Verify the piping length

RZAG	Liquid pipe (mm)	71	100	125-140
Chargeless (equivalent)	6.4		10 / (15) m	
	9.5		40 / (50) m	
	12.7		15 / (20) m	
Max. total length (equivalent)	6.4		10 / (15) m	
	9.5	55 / (75) m		85 / (100) m
	12.7	25 / (35) m		35 / (45) m

- ✓ Check if any operation history affects the ability to re-use the pipes(systems with a pipe length up to 35m, can always re-use existing pipe work when using a new Sky Air A-series model)

System to be replaced	System condition	Piping length	R-32 Sky Air A-series (RZAG/RZASG/AZAS)
R-22 (mineral oil)	Unit is operating (pump down can be performed)	No restrictions	✓
	Pump down operation impossibility or compressor malfunction	Below 35 m	✓
		Above 35 m	o
R-410A (synthetic oil)	Unit is operating (pump down can be performed)	No restrictions	✓
	Pump down operation impossibility or compressor malfunction	Below 35 m	✓
		Above 35 m	o
R-32 (synthetic oil)	Unit is operating (pump down can be performed)	No restrictions	✓
	Pump down operation impossibility or compressor malfunction	Below 35 m	✓
		Above 35 m	o

- ✓ **Cleaning-free** piping re-use
- o Cleaning of field piping or replacement of field piping is required

- ✓ The Flare connection **MUST** be redone by using the flare nut included with the new outdoor unit

2 Evaluate if the wiring can be re-used

- ✓ Check if the wiring meets current standard and the specification of the new unit and that there is no damage or scratches

note: For general installation guidelines and requirements please check the installation manual of the specific outdoor model



Variable Refrigerant Temperature



The ultimate customer experience

- ✓ **Increases air discharge temperature and eliminates cold drafts!**
- ✓ **Increased customer comfort and reduced energy consumption!**

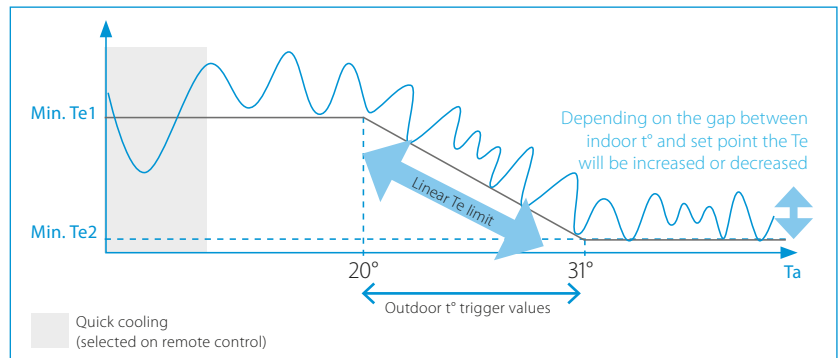
› The system automatically increases its evaporating temperature (T_e) when the gap between the actual indoor temperature (T_{in}) and the setpoint (T_{set}) is becoming smaller

› Possibility to customize the evaporating limits

Weather dependent limitation

› Two defined outdoor temperatures trigger the changeover of the T_e

› Between those two trigger values the T_e will change linear



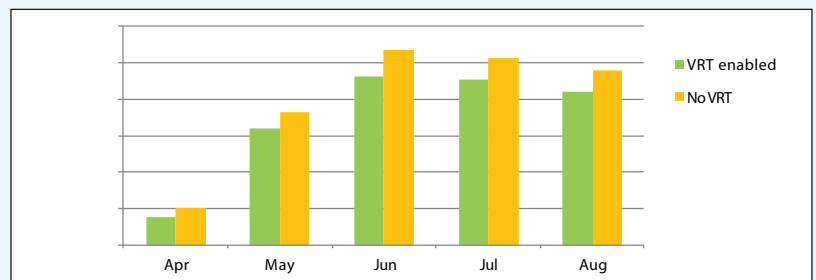
Case study: Clothing shop in the Brussels area

- ✓ **Two pair systems are installed in the same zone allowing comparison**

	Outdoor	Indoor	Deco panel	Control
System 1 = VRT enabled (Alpha 1)	RZAG125MV1	FCAG125A	BYCQ140D	1 x BRC1E53A
System 2 = Factory settings (Alpha 2)	RZAG125MV1	FCAG125A	BYCQ140D	

- ✓ **More energy efficient: up to 20% lower energy consumption**

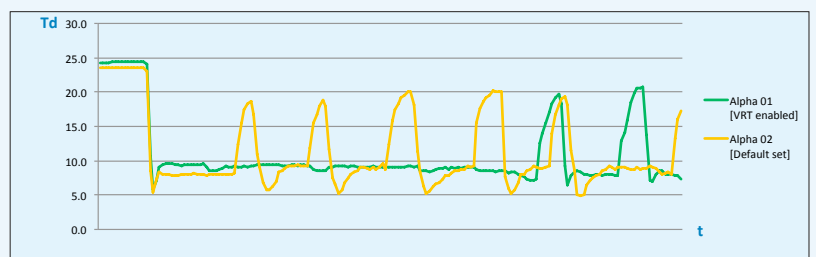
Average energy consumption over 5 months of operation



- ✓ **Improved comfort: higher discharge temperatures**

› More stable and continuous operation

› Average discharge temperature increased with 3~4°C





Daikin is the world leader when it comes to cooling. With over 90 years of innovation and engineering expertise in specialised cooling, Daikin offers a Sky Air solution that is **reliable**, **efficient** and **flexible** to meet the demanding needs of infrastructure cooling environments.

Reliable

Guaranteed system operation:

- › Oversized indoor units boost cooling capacity and prevent freeze-ups on the indoor side
- › Wide operating range envelope: operation range in cooling down to -20°C and up to +52°C

Efficient

Optimum return on investment:

- › Lowers running costs by using highly efficient direct expansion cooling systems
- › Lower running costs compared to other DX systems and water based chillers.
- › Minimises environmental impact with A++ energy labels (A+++ - D)
- › Reduces mechanical cooling and energy consumption with the free cooling option for single phase systems

Flexible

- › Scalable in capacity
- › Improved infrastructure control and management
- › Lower physical footprint since no floor space is occupied
- › Wide range of indoor units to suit application preferences (ceiling suspended cassettes, wall mounted indoors, concealed ceiling ducted type indoors)

UNIQUE

Dedicated system combinations

Benefits

1. Boost the heat transfer capacity of the indoor system
2. Ability to work with higher evaporation temperatures (Te) avoids downtime and enables continuous operation
3. Official energy labels for indoor and outdoor system combinations provide standardized and reliable performance data

UNIQUE

2-step solution for system selection

Benefits

1. Daikin makes the system selection procedure easy and reliable by providing detailed capacity tables based on extensive testing.
2. Choose the best product combination that meets end-user requirements

UNIQUE

Efficient cooling

Benefits

1. Free cooling: optimum energy efficiency using cold ambient air
2. Widest range of indoor systems with best in class energy efficiency
3. Wide indoor and outdoor operation range, reliable performance even in extreme conditions

UNIQUE

Flexible control

Benefits

1. Optimal backup supported by duty rotation control, automatic backup activation and remote alarms
2. Guaranteed continuous operation from extended compressor limits
3. Controller settings to adapt to specific infrastructure cooling environment conditions
4. Fewer start/stop cycles



Find out more in our infrastructure cooling brochure

Boosted capacity indoor systems

High reliability at lower running costs for infrastructure cooling

Split air conditioning systems for normal comfort cooling applications usually combine indoor systems with matching capacities, or multiple indoor systems with capacities lower than the outdoor system's capacity. This works because the indoor system's cooling capacity is sufficient to handle the higher humidity conditions and varying indoor temperature requirements that are common in a normal living environment.

Applying this design logic to infrastructure cooling environments can lead to risky situations that might compromise overall system reliability and frequent downtimes of 15 minutes. Indoor systems for infrastructure cooling

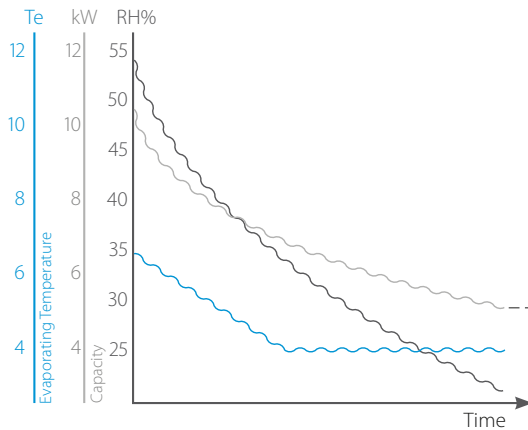
environments need enhanced capabilities for continuous heat transfer because they work harder to extract energy by cooling dry air. Daikin recommends and offers asymmetric combinations (boosted capacity indoor combinations: e.g. 71 class outdoor + 100 class indoor).

You can now confidently combine indoor systems with higher capacities than the outdoor system. This will boost heat transfer inside the technology or server room environments.

Infrastructure cooling application system solutions

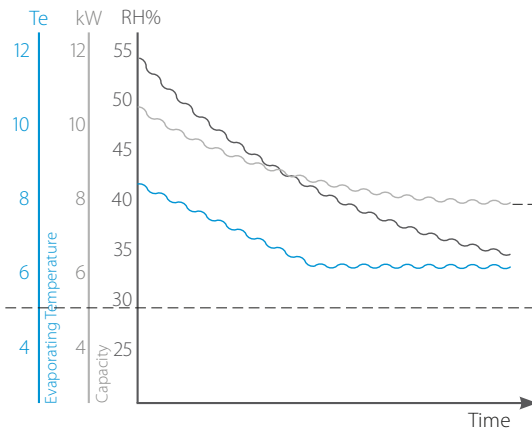
TRADITIONAL SOLUTION

Symmetric indoor-outdoor system combination



- Relative Humidity: ■ reduces over time
- Capacity: ■ reduced
- Evaporating temp: ■ drops to compensate reduced capacity
- too low Te can lead to freeze-up prevention, causing system downtime

DEDICATED SOLUTION



Between 20-40% sensible capacity increase

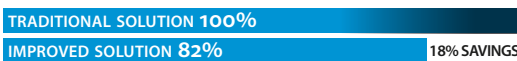
Improved solution

- 👍 Boosted capacity indoors increase the heat transfer capacity at low relative humidity
- 👍 Allows the system to operate with higher Te, guaranteeing continuous operation and reducing unwanted dehumidification

Low humidity + Low ambient environment

Outside temperature Ta	-5 °C
Set-point	22 °C
Humidity	35 %
Indoor wet-bulb temperature	13 °C

EER



traditional solution

71 class outdoor with 71 class indoor	
Total Capacity (TC)	5.63 kW
Sensible Heat Capacity (SHC)	4.28 kW
Power Input (PI)	2 kW
Co-efficient of Power Input (CPI)	0.39
Corrected PI	0.78 kW
EER*	5,5

dedicated system combination solution

71 class outdoor with 100 class indoor	
Total Capacity (TC)	6,02 kW
Sensible Heat Capacity (SHC)	6,02 kW
Power Input (PI)	2 kW
Co-efficient of Power Input (CPI)	0,45
Corrected PI	0.90 kW
EER*	6,7

18% savings on running cost

Sensible Heat Capacity increases 20-40% with dedicated system combination.

*EER = (SHC/Corrected PI)

The New

SkyAir Alpha-series

- 1 Unique, low-height single fan range



- 2 Market-leading serviceability and handling with unique hinged door and 7-segment display



- 3 Compact dimensions allow almost unnoticeable installation



- 4 Newly positioned handle for easier handling



Sky Air Alpha-series

Industry leading technology in the most compact casing ever

- > **NEW** Unique, low-height single fan range
- > **NEW** Compact dimensions allow almost unnoticeable installation
- > **NEW** Market-leading serviceability and handling with unique hinged door and 7-segment display (RZAG-N)
- > The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days
- > Suits high sensible, infrastructure cooling applications
- > Replace existing systems with R-32 technology without needing to replace the piping



- > Guarantees operation in both heating and cooling mode down to -20°C
- > Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- > Maximum piping length up to 85m (50m for RZAG35, 50, 60A)
- > Outdoor units for pair, twin, triple, double twin application



RZAG71-140NV1/NY1

Comfort cooling combination table

NEW

NEW
NEW
NEW
NEW
NEW
NEW

	FCAHG-H				FCAG-B				FFA-A9			FDA-A	FDXM-F9			FBA-A(9)				FHA-A(9)				FAA-A			FTXM-N			FUA-A			FNA-A9			FVA-A														
capacity class	71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140		
RZAG35A					P																																													
RZAG50A						P																																												
RZAG60A							P																																											
RZAG71NV1	P						2																																											
RZAG100NV1		P				3	2																																											
RZAG125NV1			P			4	3	2																																										
RZAG140NV1	2					P	4	3																																										

P = pair application ; 2/3/4 = twin/triple/double twin application

Infrastructure cooling combination table



NEW

NEW
NEW
NEW
NEW
NEW
NEW

	FTXM-N				FAA-A				FHA-A(9)				FBA-A(9)				FDXM-F9				FUA-A				FNA-A9				FVA-A				FFA-A9				FCAHG-H				FCAG-B							
capacity class	35	50	60	71	100	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140					
RZAG35A		P																																														
RZAG50A			P																																													
RZAG60A				P																																												
RZAG71NV1																																																
RZAG100NV1																																																
RZAG125NV1																																																
RZAG140NV1																																																

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

More details and final information can be found on my.daikin.eu

NEW

RZAG-A

RZAG-NV1

RZAG-NY1

Outdoor unit		RZAG		35A	50A	60A	71NV1	100NV1	125NV1	140MV1	71NY1	100NY1	125NY1	140NY1			
Dimensions	Unit	HeightxWidthxDepth		mm			734x870x373				870x1,100x460						
Weight	Unit			kg			52				70						
Sound power level	Cooling			dBA			62	63	64	64	66	69	70	65	66	69	70
	Heating			dBA			62	63	64			69	70			69	70
Sound pressure level	Cooling	Nom.		dBA			48	49	50	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA			48	49	50	49	51		52	49	51		52
Operation range	Cooling	Ambient		Min.~Max.			°CDB				-20/+52						
	Heating	Ambient		Min.~Max.			°CWB				-20/+24						
Refrigerant	Type/GWP						R32 / 675				R-32/675						
	Charge			kg/CO2Eq			1.55/1.05				2.95/1.99						
Piping connections	Liquid/Gas	OD		mm			6.4 / 9.52				6.4/12.7						
	Piping length	OU - IU	Max.		m			50				55					
		System	Equivalent		m			50				75					
		Chargeless		m			30				40						
	Additional refrigerant charge		kg/m							See installation manual							
	Level difference		IU - OU	Max.		m			30				30.0				
Power supply	Phase/Frequency/Voltage		Hz/V			Single / 50 / 230				1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A			16	16	20	20		32			16			

*Note: blue cells contain preliminary data

Sky Air Alpha-series

Industry leading technology for commercial applications and even for technical rooms

- › Top efficiency:
 - Energy labels up to A++ in both cooling and heating
 - compressor offers substantial efficiency improvements
- › The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- › Suits high sensible, infrastructure cooling applications
- › Replace existing systems with R-32 technology without needing to replace the piping



- › Guarantees operation in both heating and cooling mode down to -20°C
- › Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- › Maximum piping length up to 85m (50m for RZAG35, 50, 60A)
- › Outdoor units for pair, twin, triple, double twin application



RZAG100-140MV1_MY1

Comfort cooling combination table

		FCAHG-H				FCAG-B				FFA-A9			FDA-A			FDXM-F9			FBA-A(9)				FHA-A(9)				FAA-A		FUA-A			FNA-A9			FVA-A													
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	71	100	125	35	50	60	71	100	125	140			
RZAG71MV1	RZAG71MY1	P				2			P			2			2			2			P			2			P	P			P	P			2			P										
RZAG100MV1	RZAG100MY1		P			3	2		P			3	2		3	2		3	2		P			3	2		P	P			P	P			3	2		3	2		P							
RZAG125MV1	RZAG125MY1			P		4	3	2		P		4	3	2	P	4	3	2	4	3	2		P		4	3	2					P	P			4	3	2		4	3	2		P				
RZAG140MV1	RZAG140MY1	2			P	4	3	2		P		4	3	2		4	3	2	4	3	2		P		4	3	2		P	2		2			4	3	2		4	3	2		P					

P = pair application ; 2/3/4 = twin/tripple/double twin application

Infrastructure cooling combination table



		FAA-A		FHA-A(9)				FBA-A(9)				FDXM-F9			FUA-A			FNA-A9			FVA-A			FFA-A9			FCAHG-H				FCAG-B																								
capacity class		71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140																		
RZAG71MV1	RZAG71MY1	P		3	2		P			3	2										P																																		
RZAG100MV1	RZAG100MY1	2		4	3	2		P	4	3	2		P	4	3	2								2			P	4	3	2					P	4	3	2																	
RZAG125MV1	RZAG125MY1	2		4	3	2		P	4	3	2		P	4	3	2								2			P	4	3	2					P	4	3	2																	
RZAG140MV1	RZAG140MY1	2		4	3	2		P	4	3	2		P	4	3	2								2			P	4	3	2					P	4	3	2																	

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

More details and final information can be found on my.daikin.eu

RZAG-MV1

RZAG-MY1

Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320		
Weight	Unit			kg	70		92		70		92		
Sound power level	Cooling			dB(A)	64		66		65		66		
	Heating			dB(A)	-		69		-		69		
Sound pressure level	Cooling	Nom.		dB(A)	46		47		46		47		
	Heating	Nom.		dB(A)	49		51		49		51		
Operation range	Cooling	Ambient	Min.~Max.	°CDB								-20~-52	
	Heating	Ambient	Min.~Max.	°CWB								-20~-18.0	
Refrigerant	Type/GWP											R-32/675	
	Charge			kg/TCO2Eq	2.95/1.99		3.75/2.53		2.95/1.99		3.75/2.53		
Piping connections	Liquid/Gas	OD		mm								9.52/15.9	
	Piping length	OU - IU	Max.	m	55		85		55		85		
		System	Equivalent	m	75		100		75		100		
			Chargeless	m								40	
		Additional refrigerant charge			kg/m								See installation manual
Power supply	Phase/Frequency/Voltage	IU - OU		Max.					30.0				
	Current - 50Hz	Maximum fuse amps (MFA)		A	20		32				16		

Sky Air Advance-series

Technology and comfort combined for commercial applications

- > High efficiency:
 - Energy labels up to A++ (cooling) / A+ (heating)
 - compressor offers substantial efficiency improvements
- > Very compact and easy to install
- > Replace existing systems with R-32 technology without needing to replace the piping



- > Guarantees operation in both heating and cooling mode down to -15°C
- > Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- > Maximum piping length up to 50m, minimum piping length has no limitation
- > Outdoor units for pair, twin, triple, double twin application



Pair, twin, triple and double twin application

capacity class	FCAG-B						FFA-A9			FDXM-F9			FBA-A(9)								
	35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140	
RZASG71MV1				P				2			2			2			P				
RZASG100MV1	RZASG100MY1	3	2			P		3	2		3	2		3	2			P			
RZASG125MV1	RZASG125MY1	4	3	2			P	4	3	2	4	3	2	4	3	2				P	
RZASG140MV1	RZASG140MY1	4	3		2			P	4	3		4	3		4	3		2			P

capacity class	FDA-A	FHA-A(9)						FUA-A			FAA-A		FVA-A				FNA-A9			
	125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZASG71MV1		2			P				P			P		P				2		
RZASG100MV1	RZASG100MY1		3	2			P				P			P		P		3	2	
RZASG125MV1	RZASG125MY1	P	4	3	2			P			P						P	4	3	2
RZASG140MV1	RZASG140MY1		4	3		2			P	2			2		2			P	4	3

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin

More details and final information can be found on my.daikin.eu

RZASG-MV1

RZASG-MY1

Outdoor unit		RZASG/RZASG		71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWidthxD	mm	770x900x320				990x940x320			
Weight	Unit		kg	60		70		78	70	77	
Sound power level	Cooling		dB(A)	65	70	71	73	70	71	73	
	Heating		dB(A)			71	73		71	73	
Sound pressure level	Cooling	Nom.	dB(A)	46		53	54		53	54	
	Heating	Nom.	dB(A)	47				57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15~46					
	Heating	Ambient	Min.~Max.	°CWB		-15~15.5					
Refrigerant	Type/GWP			R-32/675							
	Charge		kg/CO ₂ Eq	2.45/1.65	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96			
Piping connections	Liquid/Gas	OD	mm	952/15.9							
	Piping length	OU - IU	Max.	m							
		System	Equivalent	m							
		Chargeless		m							
		Additional refrigerant charge		kg/m							
Power supply	Level difference	IU - OU	Max.	m							
	Phase/Frequency/Voltage		Hz/V	1~/50/220-240			30.0		3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32			16		

R-32

Sky Air Active-series

Ideal solution for busy environments and small shops

- › High efficiency:
 - Energy labels up to A+ (cooling) / A (heating)
 - compressor offers substantial efficiency improvements
- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- › Very compact and easy to install
- › Replace existing systems with R-32 technology without needing to replace the piping



- › Guarantees operation in heating mode down to -15°C and in cooling mode down to -5°C
- › Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature (AZAS only).
- › Piping length up to 30m
- › Exclusively offered for pair applications



AZAS100-140MV1_MY1

Pair application

NEW

Capacity class	FCAG-B				FBA-A(9)				FAA-A				ADEA-A		
	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
NEW ARXM-N9	P				P				P				P		
AZAS-MV1		P	P	P		P	P	P		P				P	P
AZAS-MY1		P	P	P		P	P	P		P					

P = pair application

More details and final information can be found on my.daikin.eu

AZAS-MV1

AZAS-MY1

NEW

Outdoor unit		AZAS	ARXM71N9	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1		
Dimensions	Unit	HeightxWidthxDepth	mm	734x870x373						990x940x320	
Weight	Unit		kg	50	70		78	70		77	
Sound power level	Cooling		dB(A)	65	70	71	73	70	71	73	
	Heating		dB(A)	65	-	71	73	-	71	73	
Sound pressure level	Cooling	Nom.	dB(A)	52	53		54	53		54	
	Heating	Nom.	dB(A)	52	57						
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46				-5~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~24				-15~15.5		
Refrigerant	Type/GWP			R-32/675							
	Charge		kg/TCO2Eq	-	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96	
Piping connections	Liquid/Gas	OD	mm	9.52/15.9		9.52/15.9					
	Piping length	OU - IU	Max.	m	-						30
		System	Equivalent	m	-						50
		Chargeless	m	-						30	
		Additional refrigerant charge	kg/m	-						See installation manual	
	Level difference	IU - OU	Max.	m	-						30.0
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240		1~/50/220-240		3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	-	25	32		16			

*Note: blue cells contain preliminary data

Pair, Twin, Triple, double twin

Industry leading technology for commercial applications and even for technical rooms

- › Top efficiency:
 - energy labels up to A++ in both cooling and heating
 - compressor that offers substantial efficiency improvements
 - control logic that optimises efficiency at the most frequently encountered operating conditions and that optimises the auxiliary modes (when the unit is not active)
 - heat exchangers that optimise the refrigerant flow at the most frequent operating conditions (temperature and load)
 - via improved nominal performances
- › The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.



- › Suits high sensible, infrastructure cooling applications
- › Replace existing systems with R-32 technology without needing to replace the piping



- › Extended operation range down to -20°C in heating and down to -15°C in cooling
- › With a gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature
- › Maximum piping length up to 75m, minimum piping length is 5m.

Comfort cooling combination table

capacity class	FCAHG-H				FCAG-B				FFA-A9			FDA-A			FDXM-F9			FBA-A(9)				FHA-A(9)				FAA-A			FUA-A			FNA-A9			FVA-A																					
	71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	71	100	125	35	50	60	71	100	125	140	71	100	125	140								
RZQG71L9V1 / RZQG71L8Y1					2				P							2			2				P											P																						
RZQG100L9V1 / RZQG100L8Y1	P				3	2			P			3	2			3	2		3	2			P			3	2			P				P				P								P										
RZQG125L9V1 / RZQG125L8Y1		P			4	3	2			P		4	3	2		P	4	3	2	4	3	2				P	4	3	2	P								P	4	3	2		P			P	4	3	2							
RZQG140L9V1 / RZQG140LY1	2		P		4	3				P	4	3			4	3		4	3		4	3		2		P	4	3	2		P	2		2									4	3												P

P = pair application ; 2/3/4 = twin/tripple/double twin application

Infrastructure cooling combination table



capacity class	FAA-A				FHA-A(9)				FBA-A(9)				FDXM-F9			FUA-A			FVA-A			FFA-A9			FCAHG-H				FCAG-B															
	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140							
RZQG71L9V1 / RZQG71L8Y1		P	3	2						P							3	2					P						3	2									P					
RZQG100L9V1 / RZQG100L8Y1	2		4	3	2			P	4	3						P	4	3	2							P	4	3	2					P	4	3	2				P			
RZQG125L9V1 / RZQG125L8Y1	2		4	3	2			P	4	3	2					P	4	3	2				P	4	3	2				P	4	3	2				P	4	3	2				P
RZQG140L9V1 / RZQG140LY1	2		4	3	2			P	4	3	2					P	4	3	2				P	4	3	2				P	4	3	2				P	4	3	2				P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

Outdoor unit		RZQG			71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1	
Dimensions	Unit	HeightxWidthxD	mm		990x940x320	1,430x940x320			990x940x320		1,430x940x320		
Weight	Unit	kg	69.0		69.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0	
Sound power level	Cooling	dBA		64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0		
	Heating	dBA		64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0		
Sound pressure level	Cooling	Nom.	dBA	48	50	51	52	48	50	51	52		
	Heating	Nom.	dBA	50	52	53	53	50	52	53	53		
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB		-20.0~15.5							
Refrigerant	Type/GWP	R-410A/2,087.5											
	Charge	kg/CO2Eq		2.9/6.05	4.0/8.35			2.9/6.05	4.0/8.35				
Piping connections	Liquid/Gas	OD		mm		9.52/15.9							
	Piping length	OU - IU	Max.	m		50	75			50	75		
		System	Equivalent	m		70	90			70	90		
			Chargeless	m		30							
			Additional refrigerant charge	kg/m		See installation manual							
	Level difference	IU - OU	Max.		m		30.0						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A		25	40			16	25		

Pair, Twin, Triple, double twin

Technology and comfort combined for commercial applications

- › Top efficiency:
 - Energy labels up to A++ (cooling) /A+ (heating) for RZQG71/100L9V1 + FCQG71/100F
 - compressor that offers substantial efficiency improvements
 - control logic that optimises efficiency at the most frequently encountered operating condition
- › Replace existing systems with R-32 technology without needing to replace the piping



- › Guarantees operation in both heating and cooling mode down to -15°C
- › With a gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature
- › Maximum piping length up to 50m, minimum piping length is 5m.



RZQSG71-100-125L3/9V1

Pair, twin, triple and double twin application

		FCAHG-H				FCAG-B				FFA-A9			FDXM-F9			FBA-A(9)									
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZQSG71L3V1		P				2			P				2			2			2			P			
RZQSG100L9V1	RZQSG100L8Y1		P			3	2			P			3	2		3	2		3	2			P		
RZQSG125L9V1	RZQSG125L8Y1			P		4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZQSG140L9V1	RZQSG140LY1	2			P	4	3		2			P	4	3		4	3		4	3		2			P

		FDA-A			FHA-A(9)				FUA-A			FAA-A		FVA-A				FNA-A9						
capacity class		125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60			
RZQSG71L3V1			2			P				P			P		P							2		
RZQSG100L9V1	RZQSG100L8Y1		3	2			P				P			P		P						3	2	
RZQSG125L9V1	RZQSG125L8Y1	P	4	3	2			P				P						P				4	3	2
RZQSG140L9V1	RZQSG140LY1		4	3		2			P	2			2						P	4	3			

Outdoor unit		RZQSG		71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.0	74.0	82.0		101.0
Sound power level	Cooling			dB(A)	65	70.0		70.0		69.0
	Heating			dB(A)	-	70.0		70.0		69.0
Sound pressure level	Cooling	Nom./Silent operation		dB(A)	49/47	53/-	54/-	53/-		54/-
	Heating	Nom.		dB(A)	51	57	58	54	57	58
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46.0					
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5					
Refrigerant	Type/GWP	R-410A/2,087.5								
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35		2.9/6.05
Piping connections	Liquid/Gas	OD		mm	9.52/15.9					
	Piping length	OU - IU	Max.	m	50					
		System	Equivalent	m	70					
		Chargeless	m	30						
		Additional refrigerant charge			kg/m	See installation manual				
Power supply	Level difference	IU - OU	Max.	m	15					30.0
	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)		A	20	40				20	25

Outdoor units

Ideal solution for small shops

- › Outdoor units are fitted with either a swing or scroll compressor, renowned for low noise and high energy efficiency
- › Exclusively offered for pair applications (capacity from 71 up to 140)



AZQS100-125B8V1_BY1

Pair application

Capacity class	FCAG-B				ADEA-A				ABQ-C				AHQ-C			
	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125	140
AZQS-B(8)V1	P	P	P	P	combines with ARXS	P	P					P	P	P	P	P
AZQS-BY1		P	P	P						P	P	P		P	P	P

Outdoor unit		AZQS	ARXS71L	71B8V1	100B8V1	125B8V1	140B8V1	100BY1	125BY1	140BY1	
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.8	74.3	94.9	82		101.0
Sound power level	Cooling			dB(A)	64	70.0	71.0	70.0		71.0	70.0
	Heating			dB(A)	-	70.0	71.0	70.0	-	71.0	70.0
Sound pressure level	Cooling	Nom.			dB(A)	48	53	54	53		54
	Heating	Nom.			dB(A)	50	57	58	54	57	58
Operation range	Cooling	Ambient	Min.~Max.					-5.0~46.0			
	Heating	Ambient	Min.~Max.					-15.0~15.5			
Refrigerant	Type/GWP							R-410A/2,087.5			
	Charge			kg/TCO ₂ Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.1	2.9/6.05	4.0/8.35
Piping connections	Liquid/Gas	OD		mm					9.52/15.9		
	Piping length	OU - IU	Max.	m					50 / 30		
		System	Equivalent	m					70 / 40		
		Chargeless		m					30		
	Additional refrigerant charge		kg/m					See installation manual			
	Level difference	IU - OU	Max.	m					30.0		
Power supply	Phase/Frequency/Voltage		Hz/V				1~/50/220-240		3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A		-	32	40	-	20	25	



Pair, Twin, Triple, double twin

Packaged system for commercial applications

- > Available as 20 and 25kW
- > Replace existing R-22 or R-407C systems without having to replace the piping



- > Guarantees operation in heating mode down to -15°C
- > Standard night quiet mode
- > Maximum piping length up to 100m
- > Maximum installation height difference up to 30m
- > Wide range of connectable indoor units

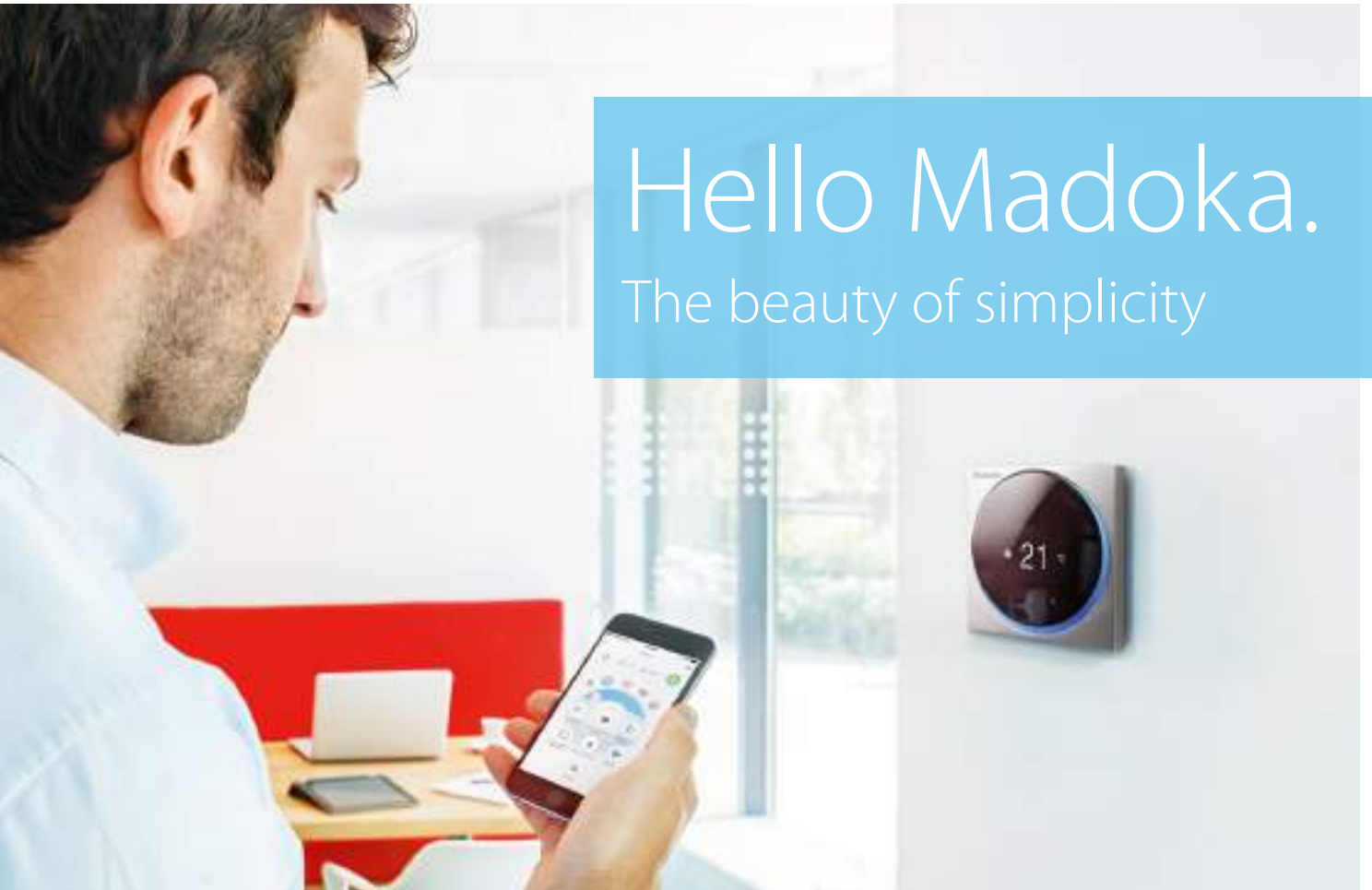


Pair, twin, triple and double twin application

capacity class	FCAG-A					FFA-A			FDXM-F3			FBA-A					FHA-A					FDQ-B		FUA-A			FAA-A			FDA-A		FNA-A			
	50	60	71	100	125	50	60	60	50	60	100	125	50	60	71	100	125	50	60	71	100	125	200	250	71	100	125	71	100	125	50	60			
RZQ200C	4	3	3	2		4	3	4	3	4	3	2	4	3	3	2		4	3	3	2		P		3	2		3	2		3	2		4	3
RZQ250C		4			2		4		4		4			4			4		2			2		P				2			2		4		

Outdoor unit				RZQ	200C	250C
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765	
Weight	Unit			kg	183.0	184.0
Sound power level	Cooling			dBA	78.0	
	Heating			dBA	78.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.0	
Refrigerant	Type/GWP				R-410A/2,087.5	
	Charge			kg/TCO2Eq	8.3/17.3	9.3/19.4
Piping connections	Liquid/Gas			mm	9,5/22.2	
	Piping length	OU - IU	Max.	m	100	
		System	Equivalent	Chargeless	m	-
	Additional refrigerant charge			kg/m	-	
	Level difference	IU - OU	Max.	m	-	
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.



Hello Madoka.
The beauty of simplicity

Madoka

guarantees comfort in the most intuitive way imaginable

Available in three attractive colours, Madoka adds style and class to any interior space. Measuring just 85 x 85 mm, Madoka is extremely compact and will become a fluid part of any background. Madoka combines refinement and simplicity. The intuitive touch button control enlarges the display and makes Madoka both easy and enjoyable to use. The Madoka Assistant app simplifies the advanced settings such as schedule or set point limitation. Your smartphone connects easily with Madoka via Bluetooth®

White
RAL 9003 (glossy)



Silver
RAL 9006 (metallic)



Black
RAL 9005 (matt)



reddot award 2018
winner





Control Systems

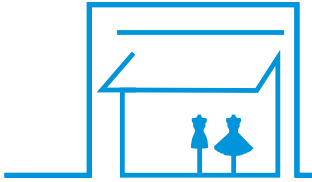
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Control solutions summary

Daikin offers various control solution adapted to the requirements of even the most demanding commercial application.

- > Basic control solutions for those customers with few requirements and limited budget
- > Integrating control solutions for those customers that would like to integrate Daikin units into their existing BMS system
- > Advanced control solutions for those customers that expect Daikin to deliver a mini BMS solution, including advance energy management

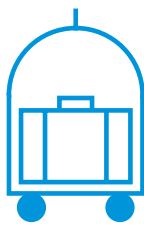
Shop



	Unit control			Integrating control			Advanced control	
	BRP069* Online controller	BRC519 W/S/K7	RTD-20	RTD-Net	KLIC-DI	EKMBDXA	DCC601A51	DCM601A51
	Smart phone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●	●	●
Limit control possibilities for shop staff		●	●	●	●	●	●	●
Create zones within the shop			●				●	●
Interlock with eg. Alarm, PIR sensor			●				● (limited)	●
Integrate Daikin units into existing BMS via Modbus				●		●		
Integrate Daikin units into existing BMS via KNX					●			
Integrate Daikin units into existing BMS via HTTP								●
Monitor energy consumption		● (4)					● (2)	●
Advanced energy management							● (2)	●
Allows free cooling							●	●
Integrate Daikin products cross pillars into Daikin BMS								●
Integrate third party products into Daikin BMS							●	●
Online control	●						● (2)	● (3)
Manage multiple sites							● (2)	● (3)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via Daikin cloud service (3) Through own IT set-up (not Daikin cloud server) (4) Not available on all indoors (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service

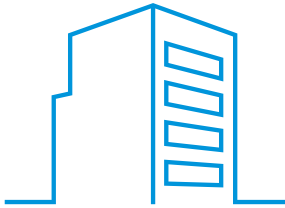
Hotel



	Unit control	Integrating control		Advanced control	
				PMS Interface	
	BRC519W/S/K7	RTD-HO	KLIC-DI	DCM010A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)
Hotel guest can control & monitor basic functionalities from his room	●	●	● (3)		●
Limit control possibilities for hotel guests	●	●	●	●	●
Interlock with window contact	● (2)	●			●
Interlock with key-card	● (2)	●			●
Integrate Daikin units into existing BMS via Modbus		●			
Integrate Daikin units into existing BMS via KNX			●		
Integrate Daikin units into existing BMS via HTTP					●
Integrate Daikin unit control in hotel booking software				● Oracle Opera PMS	
Monitor energy consumption					●
Advanced energy management					●
Integrate Daikin products cross pillars into Daikin BMS					●
Integrate third party products into Daikin BMS					●
Online control					●

(1) : 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via BRP7A51 adapter (3) requires KNX compatible controller

Office



	Unit control	Integrating control			Advanced control	
	BRC519W/S/K7	EKMBDXA	DMS504B51	DMS502A51 / DAM412B51	DCC601A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 outdoors (2)	1 unit for 32 indoor unit(s) (groups) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●
Centralised control for management		●	●	●	●	●
Local control for office workers	●	●	●	●	●	●
Limit control possibilities for office workers	●				●	●
Integrate Daikin units into existing BMS via Modbus		●				
Integrate Daikin units into existing BMS via HTTP					●	●
Integrate Daikin units into existing BMS via LonTalk			●			
Integrate Daikin units into existing BMS via BACnet				●		
Energy consumption read out	●					
Monitor energy consumption					● (4)	●
Advanced energy management					● (4)	●
Integrate Daikin cross pillar products into Daikin BMS						●
Integrate third party products into Daikin BMS					●	●
Online control					● (4)	●
Manage multiple sites					● (4)	● (5)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) extension needed to go to 256 indoor unit(s) (groups), 40 outdoors (3) ON/OFF only (4) Via Daikin cloud service (5) Through own IT set-up (not Daikin cloud sever)

(5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service

Infrastructure cooling



	Unit	Integrating		Advanced
	BRC519W/S/K7	RTD-10	DTA113B51	DCM601A51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 adapter for up to 4 units	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●
Back-up operation	●	●	●	●
Duty rotation	●	●	●	●
Limit control possibilities in the technical cooling room	●	●		●
If room temperature above max., then show alarm & start standby unit.		●		●
If an error occurs, an alarm will be shown.	●	●		●
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	●		Via WAGO I/O

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Infrastructure cooling functions only compatible with indoor units connected to Seasonal Smart outdoor units. (3) See option list of indoor unit

Online controller

BRP069B41/42/45
BRP069A61/62/81/82

Always in control, no matter where you are



The Daikin Online Controller application can control and monitor the status of your heating system or up to 50 split air conditioning units and allows you to:

Monitor:

- > The status of your air conditioner or heating system
- > Consult **energy consumption graphs** (1)





Control:

- > The **operation mode**, set temperature, fan speed and powerful mode, air direction and filtering (streamer) function (Available functions depending on connected model) (2)
- > Remotely control your system and domestic hot water
- > **Zone control:** control **multiple** units at once (Split and Daikin Altherma integrated bi-zone only)

Schedule:

- > Schedule the set temperature and operation mode with up to **6 actions per day for 7 days**
- > Enable **holiday mode**
- > View in an intuitive mode
- > 3rd party products & services integration via IFTTT (Split and Sky Air only)
- > Demand control/power limitation (Split only)

App with intuitive lay-out

Control	Schedule	Monitor	Identify
			

Control operation mode, temperature, air purification, fan speed & direction

Schedule the set temperature, operation mode and fan speed

Monitor your energy consumption, set holiday schedule

Identify the rooms in your house

Available functions and menus depend on the connected indoor unit

(1) Available for Split and Daikin Altherma 3 models

(2) For heating products Online controller is only compatible with Room Temperature control (and not Leaving Water Temperature control or external control)

Connectable units

Included in PCB

<ul style="list-style-type: none"> > FTXA-AW/S/T 	BRP069B41 <ul style="list-style-type: none"> > FTXG-LW/S > FTXJ-MW/S * > C/FTXM-N > FTXTM-M > ATXM-N 	BRP069B42 <ul style="list-style-type: none"> > FTXZ-N > FVXM-F 	BRP069B45 <ul style="list-style-type: none"> > FTXP-M > ATXP-M > FTXF-A > FTXTM-M > ATXTM-M > FTXC-B > ATXC-B 	BRP069A61/62 <p>Daikin Altherma ground source heat pump</p> <ul style="list-style-type: none"> > EGSQH-A9W <p>Daikin Altherma hybrid heat pump</p> <ul style="list-style-type: none"> > EHYHBH(X)-AV3(2) <p>Daikin Altherma low temperature split</p> <ul style="list-style-type: none"> > EHBH(X)-CB/D > EHV(H/X/Z)-CB/D <p>Daikin Altherma low temperature monobloc</p> <ul style="list-style-type: none"> > EBLQ-CV3 > EDLQ-CV3 	BRP069A81** <p>Ceiling mounted</p> <ul style="list-style-type: none"> > FFA-A9 <p>Concealed ceiling</p> <ul style="list-style-type: none"> > FDXM-F9 > FBA-A9 > FDA-A > ADEA-A <p>Wall mounted</p> <ul style="list-style-type: none"> > FAA-A <p>Ceiling suspended</p> <ul style="list-style-type: none"> > FHA-A9 > FUA-A <p>Floor standing</p> <ul style="list-style-type: none"> > FVA-A > FNA-A9
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* controller included with the unit

** Wired remote controller must be connected to the indoor unit to operate online controller



IFTTT: make your work flow

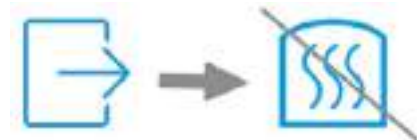
IFTTT is a solution that connects compatible 3rd party products and services (smart meters, lights, thermostats, ...), so they work best for you.

Within IFTTT, 2 operation set-ups can be made:

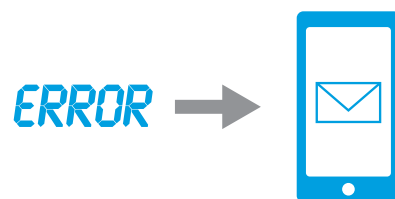
- > DO: it simply executes an action (e.g.: on/off)
- > IFTTT stands for If This Then That and allows you to automate actions (Then That) depending on certain triggers (If This)
- > Available for split and Sky Air models

Example

IF you exit an area, **THEN** turn off the heating.
The trigger is location, which is determined by your smartphone. If you leave an area, such as your house for example, your heating will turn off automatically.



IF there is an error signal on the unit, **THEN** a text message is sent (to the installer/user/...)



Wireless LAN Connecting Adaptor BRP069 meets all of the following:

- A. Generally available to the public by being sold, without restriction, from stock at retail selling points by means of any of the following:
 1. Over-the-counter transactions; 2. Mail order transactions; 3. Electronic transactions; or 4. Telephone call transactions;
- B. The cryptographic functionality cannot easily be changed by the user;
- C. Designed for installation by the user without further substantial support by the supplier.

Madoka

The beauty of simplicity.



Silver
RAL 9006 (metallic)
BRC1H519S7



Black
RAL 9005 (matt)
BRC1H519K7



White
RAL9003 (glossy)
BRC1H519W7

User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- › Sleek and elegant design
- › Intuitive touch-button control
- › Two display options: standard and detailed
- › Three colours to match any interior
- › Compact, measures only 85 x 85 mm
- › Advanced settings and commissioning via smartphone



reddot award 2018
winner





Madoka Assistant



Simplifies the advanced settings such as schedule or set point limitation

- Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- Easy and quick commissioning, saves time and cost for installers
- Featuring Bluetooth® low energy technology

Easy setting of schedules



Advanced user settings



Installer settings



Field settings



BRC1H519W(7) / BRC1H519S(7) / BRC1H519K(7)

Madoka wired remote controller for Sky Air and VRV



BRC1H519W7



BRC1H519S7



BRC1H519K7

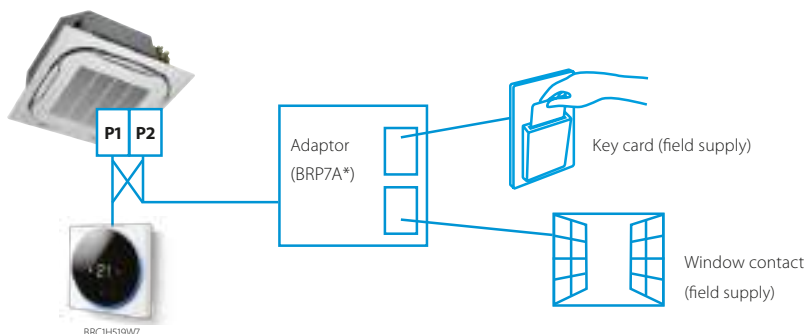
A complete redesigned controller focussed to enhance user experience

- > Sleek and elegant design
- > Intuitive touch-button control
- > Two display options: standard and detailed
- > Direct access to basic functions (on/off, set point, mode, target values, fan speed, louvres, filter icon & reset (4), error & code)
- > Three colours to match any interior
- > Compact, measures only 85 x 85 mm
- > Real time clock with auto update to daylight saving time
- > Equipped with a buzzer

Hotel application features

- > Energy saving through key card, window contact integration and set point limitation (BRP7A*)
- > Flexible setback function ensures room temperature remains within comfortable limits to ensure guest comfort

Key card and window contact integration



Madoka Assistant: Advanced settings can be easily done via your smartphone



A range of energy-saving functions that can be selected individually

- Temperature range restriction
- > Setback function
- > Adjustable presence detector and floor sensor (available on the Round Flow and Fully Flat Cassettes)
- > Automatic temperature reset (4)
- > Auto off timer

Temperature range restriction means no excessive heating/cooling

Save on energy by setting the low-temperature limit in cooling mode and the high-temperature limit in heating mode. (1)

Kilowatt-hour consumption tracking (2)

The kWh indicator displays indicative power consumption for the last day/month/year. (4)

Other functions

- > Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/mid-season)
- > Menu settings can be individually locked or restricted
- > The outdoor unit (3) can be set to quiet mode
- > Real-time clock that updates automatically for daylight saving



Cost-effective solution for infrastructure cooling applications

- > Only in combination with RZAG* / RZQG*
- > Duty rotation
After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime.
Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.
- > Back-up operation: if one unit fails, the other unit will start automatically

(1) Also available in auto cooling/heating changeover mode
(2) For Sky Air FBA, FCAG and FCAHG pair combinations only

(3) Only available on RZAG*, RZASG*, RZQG*, RZQSG*
(4) Feature will become available with future app updates from the second half of 2018 onwards.

BRC1E53A/B/C

User friendly remote control for Sky Air and VRV



Graphical display of indicative electricity consumption (Function available in combination with FBA-A, FCAG and FCAHG)

A series of energy saving functions that can be individually selected

- › Demand control (1)
- › Temperature range limit
- › Setback function
- › Presence & floor sensor connection (available on round flow and fully flat cassette)
- › kWh indication (2)
- › Set temperature auto reset
- › Off timer



Cost-effective solution for infrastructure cooling applications

- › Only in combination with Sky Air A-series or Seasonal Smart outdoor unit

Other functions

- › Up to 3 independent schedules
- › Possibility to individually restrict menu functions
- › Choice of display between symbol or text
- › Real time clock with auto update to daylight saving time
- › Built-in backup power
- › Supports multiple languages:
BRC1E53A: English, German, French, Dutch, Spanish, Italian, Portuguese
BRC1E53B: English, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian
BRC1E53C: English, Greek, Russian, Turkish, Polish, Slovak, Albanian

(1) Only available on RZAG*, RZASG*, RZQG*, RZQSG* | (2) For Sky Air FBA, FCAG and FCAHG pair combinations only

BRC1D52

Wired remote control



BRC1D52

- › Schedule timer: Five day actions can be set
- › Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
- › User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- › Immediate display of fault location and condition
- › Reduction of maintenance time and costs

ARCWLA / ARCWB

Siesta individual control systems



ARCWB

Siesta Sky Air indoor units	Controllers
AHQ-C ceiling suspended	<ul style="list-style-type: none"> • Standard infrared remote control in box of indoor unit ARCWLA • Wired remote control ARCWB • Optional group controller R04084124324
ABQ-C concealed ceiling	<ul style="list-style-type: none"> • Standard wired remote control (ARCWB) in box of indoor unit • Optional group controller R04084124324

ARCWB features

- › Schedule timer
- › IR receiver to enable compatibility with infrared remote control (disabled when lock function is activated)
- › Backup battery
- › Standard with a 10 metre cable, which can be extended to maximum cable length of 15 metres.
- › Can only control one indoor unit at a time; group control is only possible when using option R04084124324.

ARC4*/BRC4*/BRC7*

Infrared remote control



ARC466A1

BRC4*/BRC7*

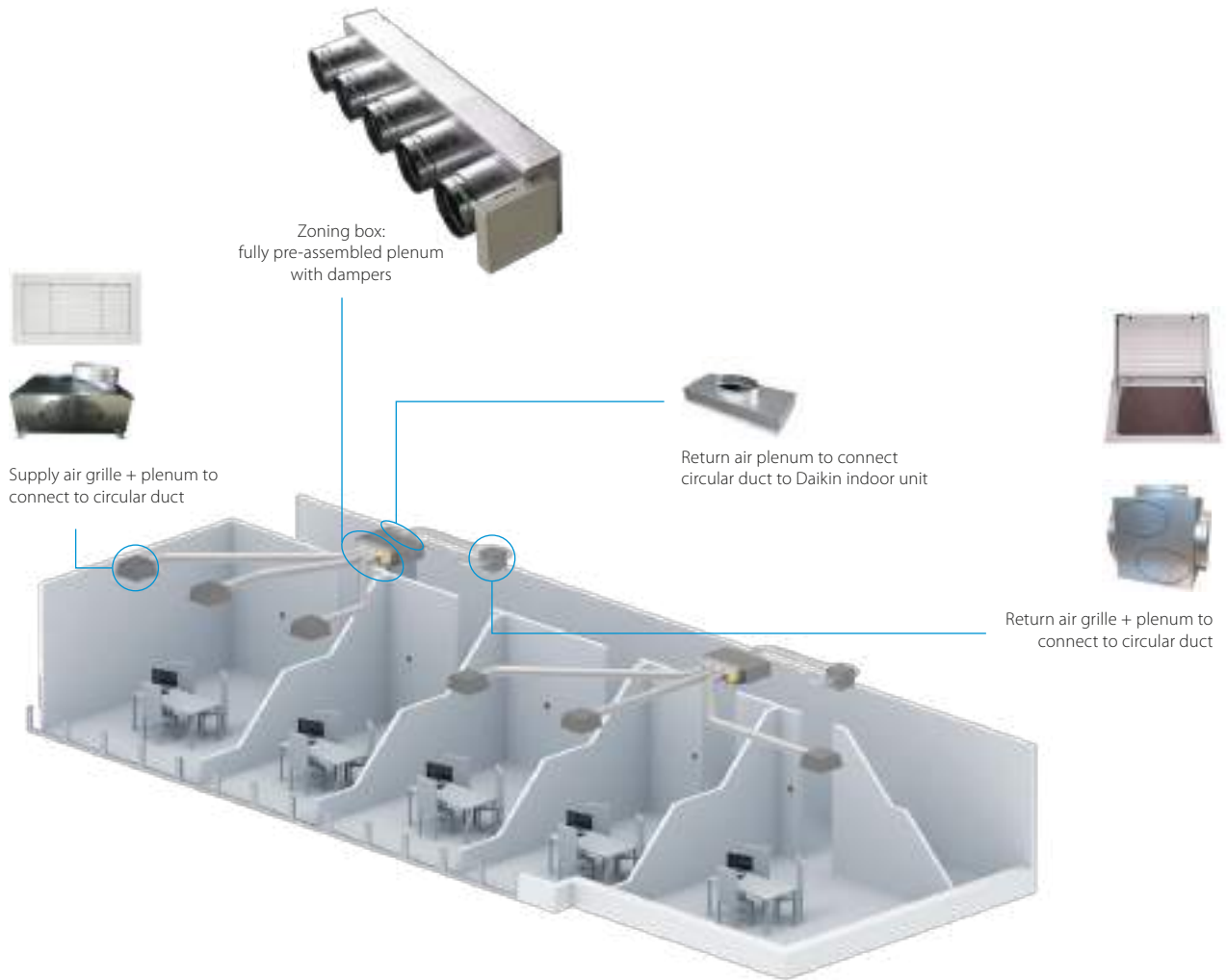
Operation buttons: ON/OFF, timer mode start/stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/test indication (2)

Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection / test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXM, FBA
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

Multizoning kits

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 connected to one indoor unit via a centralised thermostat located in the main room and individual thermostats for each of the zones.



Compatibility

			SkyAir												VRV													
			FDXM-F9				FBA-A(9)				ADEA-A				FXDQ-A3							FXSQ-A						
			25	35	50	60	35	50	60	71	100	125	140	71	100	125	15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																									
		AZEZ6DAIST07S2	300 x 930 x 454																									
	3	AZEZ6DAIST07XS3	300 x 930 x 454																									
		AZEZ6DAIST07S3	300 x 930 x 454																									
	4	AZEZ6DAIST07S4	300 x 930 x 454																									
		AZEZ6DAIST07M4	300 x 1,140 x 454																									
		AZEZ6DAIST07M5	300 x 1,425 x 454																									
		AZEZ6DAIST07L5	300 x 1,425 x 454																									
		AZEZ6DAIST07M6	300 x 1,638 x 454																									
		AZEZ6DAIST07L6	300 x 1,638 x 454																									
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444																									
		AZEZ6DAISL01S3	210 x 720 x 444																									
	4	AZEZ6DAISL01M4	210 x 930 x 444																									
		AZEZ6DAISL01M5	210 x 930 x 444																									
	5	AZEZ6DAISL01L5	210 x 1,140 x 444																									

Controls

3 controller versions are available to choose from:
Colour, touch or simplified



AZCE6BLUEFACECB
(Wired)

Blueface - main thermostat

- › Intuitive graphical, colour touch screen for controlling multiple zones



AZCE6THINKCB (Wired)
AZCE6THINKRB (Wireless)

Think - zone thermostat

- › Graphic touch button with low-energy e-ink screen for controlling single zones



AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Lite - zone thermostat

- › Simplified thermostat with touch buttons for temperature control

- › Optional bus cable (2 x 0.5 mm² | 2 x 0.22 mm²), 100m length: AZX6CABLEBUS100



AZX6WSCLOUDDINC (Ethernet)
AZX6WSCLOUDDINR (WiFi)

Webserver for remote control

- › Cloud based remote control of multizoning kit(s)
- › Configuration and control of zones (temperature, operation mode, ...)
- › Access via webportal, or Android/IOS application



AZX6BACNET

BACnet gateway

- › Allows ON/OFF control of each zone
- › Control of temperature for each zone
- › Status indication of operation mode
- › One gateway needed per system

Grilles and plenums

Supply air grilles and plenums



RDHV040015BKX

Wall type supply grille

- › With horizontal and vertical adjustable flaps



RLQV040015BKX

Ceiling type supply grille

- › With horizontal flaps angled at 15°
- › Vertical flaps can be adjusted manually



PREJ0400150T

Plenum for supply grille

- › To connect circular ducts to discharge grille
- › Insulated, galvanised steel
- › Diameter 250mm

Return air grilles and plenums



RRFR050050BTX

Return air grille with integrated filter

- › Filters particles from the air



BR500

Plenum for return grille

- › To connect 1 up to 4 circular ducts to the return air grille
- › Diameter 250mm



AZCEZDAPR07*

Plenum for return air

- › To connect 1 up to 4 circular ducts to the Daikin concealed ceiling units
- › Diameter 250mm
- › Different sizes (XS, S, M, L, XL) to fit the indoor unit

Centralised control systems

Centralised control of the Sky Air and VRV system can be achieved via 3 user friendly compact remote controllers. These controls may be used independently or in combination with 1 group = several (up to 16) indoor units in combination and 1 zone = several groups in combination. A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning). The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.

DCS302C51

Centralised remote control



Providing individual control of 64 groups (zones) of indoor units.

- > a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- > a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- > zone control
- > group control
- > malfunction code display
- > maximum wiring length of 1,000m (total: 2,000m)
- > air flow direction and air flow rate of HRV can be controlled
- > expanded timer function

DST301B51

Schedule timer



Enabling 64 groups to be programmed.

- > a maximum of 128 indoor units can be controlled
- > 8 types of weekly schedule
- > a maximum of 48 hours back up power supply
- > a maximum wiring length of 1,000m (total: 2,000m)

DCS301B51

Unified ON/OFF control



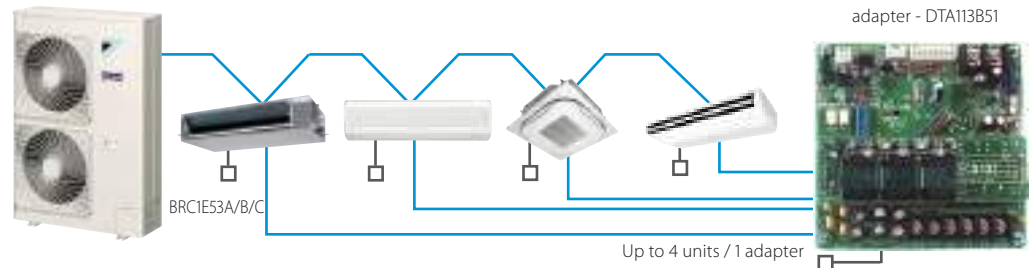
Providing simultaneous and individual control of 16 groups of indoor units.

- > a maximum of 16 groups (128 indoor units) can be controlled
- > 2 remote controls in separate locations can be used
- > operating status indication (normal operation, alarm)
- > centralised control indication
- > maximum wiring length of 1,000m (total: 2,000m)

DTA113B51

Basic solution for control of Sky Air and VRV

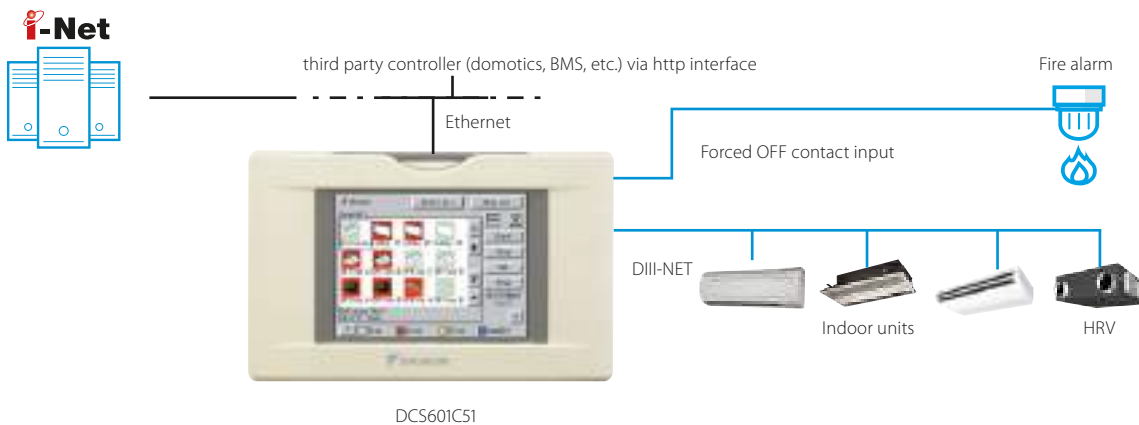
- > Rotation function
- > Backup operation function.



Intelligent Controller

DCS601C51

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



Languages

- > English
- > French
- > German
- > Italian
- > Spanish
- > Dutch
- > Portuguese

System layout

- > Up to 64 indoor units can be controlled
- > Touch panel (full colour LCD via icon display)

Control

- > Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
- > Set back schedule
- > Enhanced scheduling function (8 schedules, 17 patterns)
- > Flexible grouping in zones
- > Yearly schedule
- > Fire emergency stop control
- > Interlocking control
- > Increased HRV monitoring and control function
- > Automatic cooling / heating change-over
- > Heating optimization
- > Temperature limit
- > Password security: 3 levels (general, administration & service)
- > Quick selection and full control
- > Simple navigation

Monitoring

- > Visualisation via Graphical User Interface (GUI)
- > Icon colour display change function
- > Indoor units operation mode
- > Indication filter replacement
- > Multi PC

Cost performance

- > Labour saving
- > Easy installation
- > Compact design: limited installation space
- > Overall energy saving

Open interface

- > Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option DCS007A51)

Connectable to

- > VRV
- > HRV
- > Sky Air
- > Split (via interface adapter)

Advanced centralised controller with Cloud connection

- Intuitive and user-friendly interface
- Flexible concept for stand alone and multi site applications
- Total solution thanks to integration of 3rd party equipment
- Monitor & control your small commercial building, no matter where you are

2 solutions:

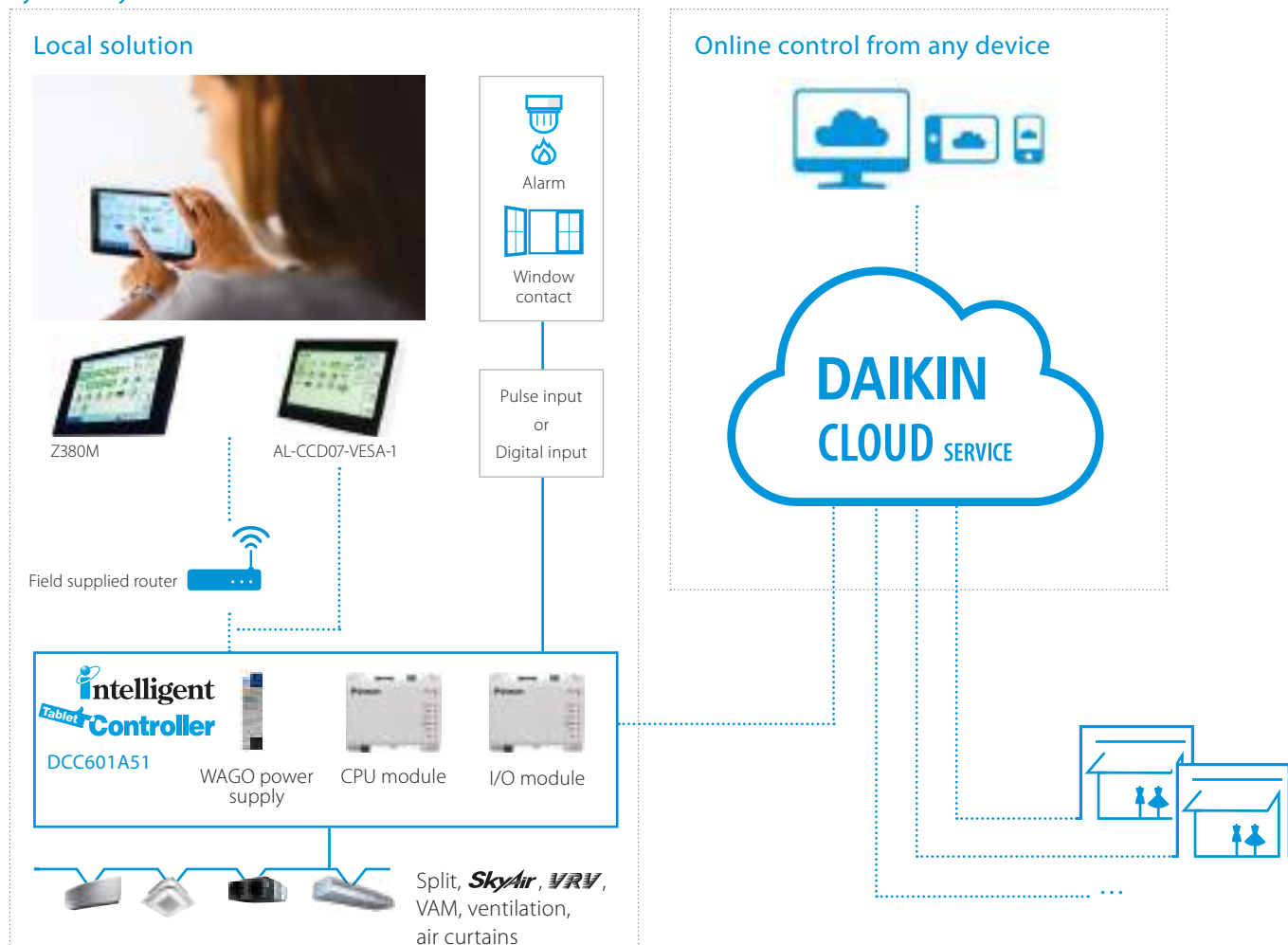
Local solution

- › Offline centralised control
- › Stylish optional screen fits any interior

Cloud solution

- › Flexible online control from any device (Laptop, tablet...)
- › Monitor & control one or multiple sites
- › Benchmark the energy consumption of different installations (1)
- › Energy consumption follow-up to comply with local regulations

System layout



(1) For VRV and Sky Air R-32 ranges

Total solution

- › Total solution thanks to a large integration of Daikin products and 3rd party equipment
- › Connect a wide range of units (Split, Sky Air, VRV, Ventilation, Biddle air curtains)
- › Simply control your entire building centrally
- › Increased customer shopping experience by better management of your shop comfort level

Daikin Cloud Services

- › Control your building no matter where you are
- › Monitor and control multiple sites
- › Installer or technical manager can remotely login to the cloud for first troubleshooting
- › Benchmark the energy consumption of different installations (1)
- › Manage & track your energy use

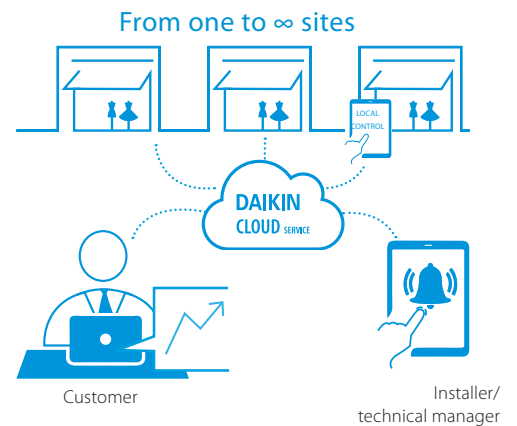
User friendly touch control

- › Stylish Daikin supplied optional screen for local control fits any interior
- › Intuitive and user-friendly interface
- › Full solution with simple control
- › Easy commissioning

Flexible

- › Inputs via digital and pulse input for 3rd party equipment such as kWh meters, emergency input, window contact, ...
- › Modular concept allows your cloud to grow with your business
- › Control up to 32 indoor units per controller and 320 units per site

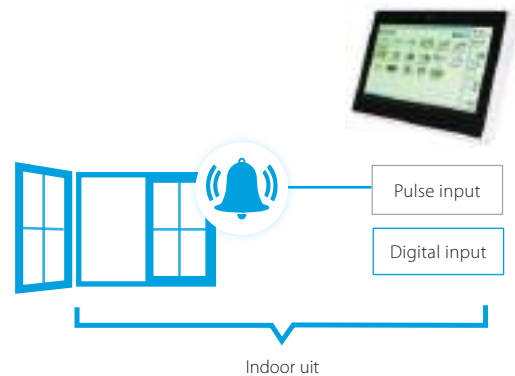
(1) only available in combination with certain indoor units



Intuitive control from the cloud



Easy follow up of energy consumption



Functions overview

		Local solution	Cloud solution
Languages		Depends on local device	EN, DE, FR, NL, ES, IT, EL, PT, RU, TR, DA, SV, NO, FI, CS, HR, HU, PL, RO, SL, BG, SK
System layout	N° of connectable indoor units	32	32
	Multiple sites control		●
Monitoring & control	Basic control functions (ON/OFF, mode, filter sign, setpoint, fan speed, ventilation mode, room temperature, ...)	●	●
	Remote control prohibition	●	●
	All devices ON/OFF	●	●
	Zone control		●
	Group control	●	●
	Weekly schedule	●	●
	Yearly schedule		●
	Interlock control	●	●
	Set point limitation		●
	Visualisation of energy use per operation mode		●
Connectable to	DX split, Sky Air, VRV	●	●
	VAM, VKM ventilation	●	●
	Air curtains	●	●

For available Daikin Cloud Service options refer to the option list

Mini BMS

with full integration
across all product pillars

DCM601A51



- Price competitive mini BMS
- Cross-pillar integration of Daikin products
- Integration of third party equipment

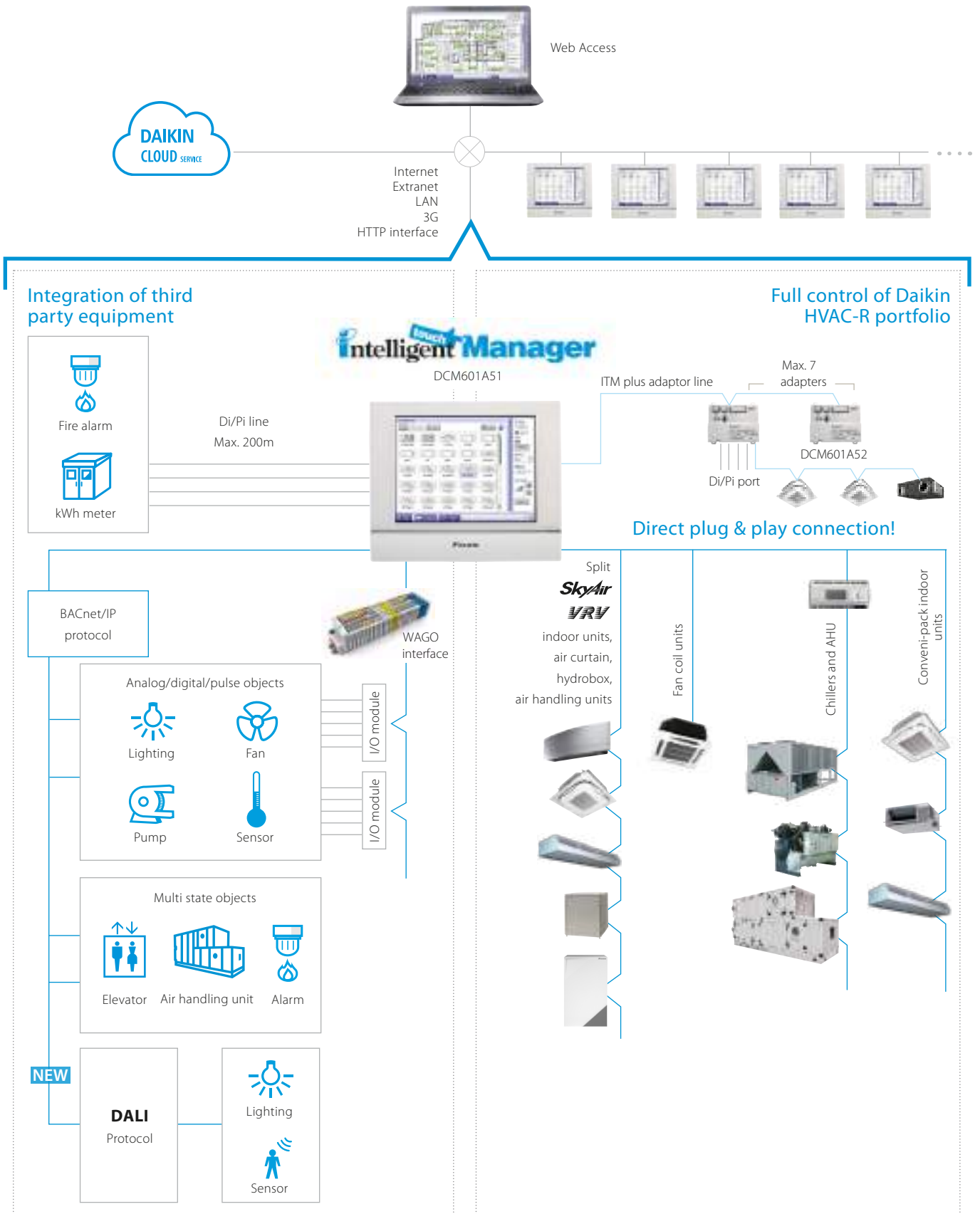


NEW

Download the WAGO
selection tool from
my.daikin.eu

- › Easy selection of WAGO materials
- › Material list creation
- › Time saving
 - Includes wiring schemes
 - Contains commissioning/preset data for iTM

System overview



Centralised control systems



User friendliness

- › Intuitive user interface
- › Visual lay out view and direct access to indoor unit main functions
- › All functions direct accessible via touch screen or via web interface



Smart energy management

- › Monitoring if energy use is according to plan
- › Helps to detect origins of energy waste
- › Powerful schedules guarantee correct operation throughout the year
- › Save energy by interlocking A/C operation with other equipment such as heating

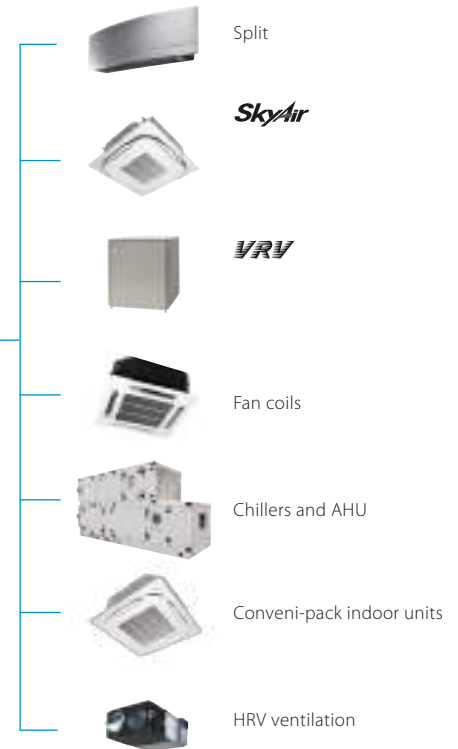
Flexibility

- › Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
- › BACnet protocol for 3rd party products integration
- › I/O for integration of equipment such as lights, pumps... on WAGO modules
- › Modular concept for small to large applications
- › Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

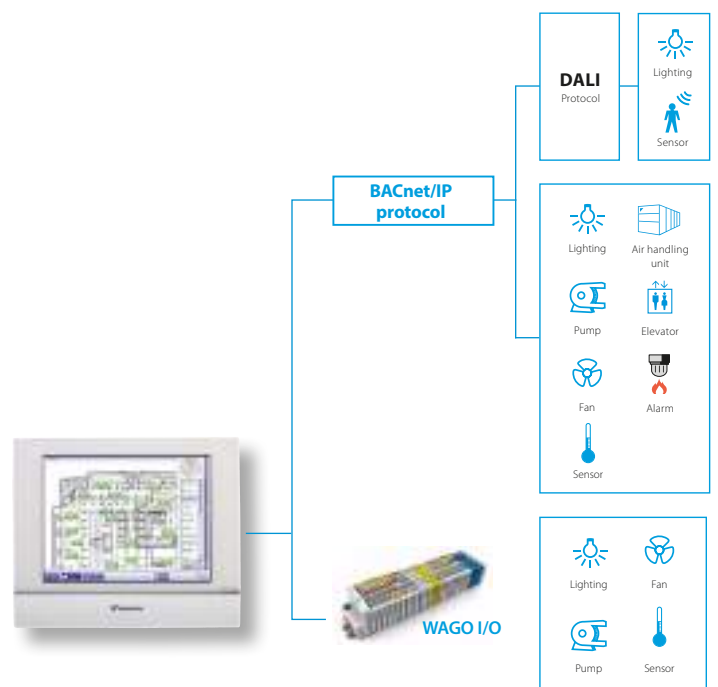
Easy servicing and commissioning

- › Remote refrigerant containment check reducing on site visit
- › Simplified troubleshooting
- › Save time on commissioning thanks to the pre-commissioning tool
- › Auto registration of indoor units

Plug & play



Flexibility in size
64 up to 512 groups



Functions overview

Languages

- › English
- › French
- › German
- › Italian
- › Spanish
- › Dutch
- › Portuguese

Management

- › Web access
- › Power Proportional Distribution (option)
- › Operational history (malfunctions, ...)
- › Smart energy management
 - monitor if energy use is according to plan
 - detect origins of energy waste
- › Setback function
- › Sliding temperature

WAGO Interface

- › Modular integration of 3rd party equipment
 - WAGO coupler (interface between WAGO and iTM)
 - Di module
 - Do module
 - Ai module
 - Ao module
 - Thermistor module
 - Pi module

Open http interface

- › Communication to any third party controller (domotics, BMS, etc.) is possible via http open interface (http option DCM007A51)

System layout

- › Up to 512 unit groups can be controlled (ITM + 7 iTM Plus adapters)

Control

- › Individual control (512 groups)
- › Schedule setting (Weekly schedule, yearly calendar, seasonal schedule)
- › Interlock control
- › Setpoint limitation
- › Temperature limit

DALI integration

- › Control and monitor the lights
- › Easier facility management: receive error signal when light or light controller has a malfunction
- › Flexible approach and less wiring needed, compared to classic light scheme
- › Easier to make groups and control scenes
- › Connection between intelligent Touch Manager and DALI through WAGO BACnet IP interface

Connectable to

- DX Split, Sky Air, VRV
- HRV
- Chillers (via MT3-EKCBACIP controller)
- Daikin AHU (via MT3-EKCBACIP controller)
- Fan coils
- Daikin Altherma Flex type
- LT and HT hydroboxes
- Biddle Air curtains
- WAGO I/O
- BACnet/IP protocol
- Daikin PMS interface (option DCM010A51)



Modbus Interface

RTD

RTD-NET

- › Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10

- › Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
 - Modbus
 - Voltage (0-10V)
 - Resistance
- › Duty/standby function for server rooms

RTD-20

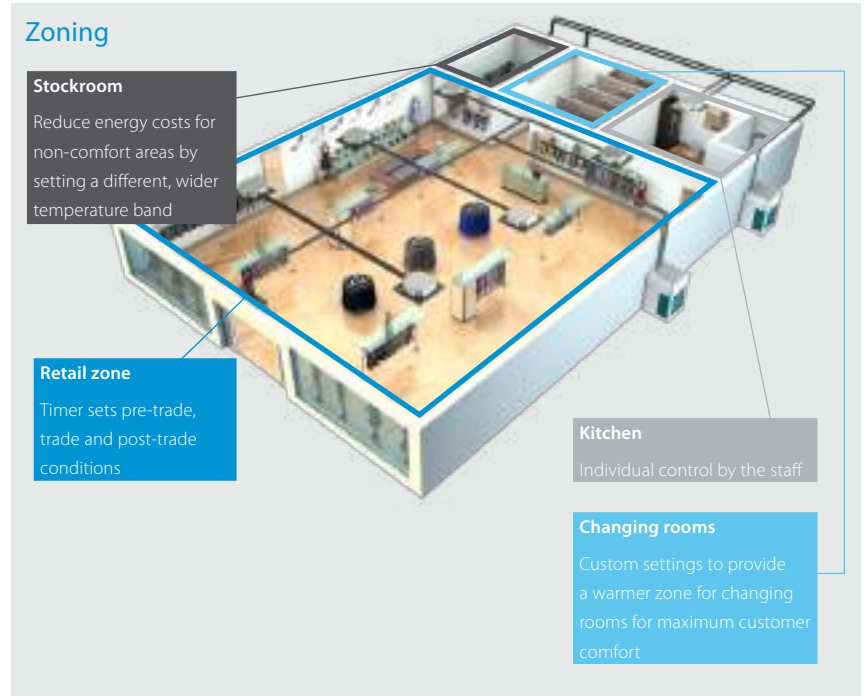
- › Retail economiser
- › Advanced control of Sky Air, VRV, VAM/VKM and air curtains
- › Clone or independent zone control
- › Increased comfort with integration of CO₂ sensor for fresh air volume control
- › Save on running costs via
 - pre/post and trade mode
 - set point limitation
 - overall shut down
 - PIR sensor for adaptive deadband

RTD-HO

- › Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
- › Intelligent hotel room controller

RTD-20 retail economiser

Control zones in shop applications



Control options benefits

Optimize the operation of the air conditioning without compromising occupant comfort

Without RTD-20

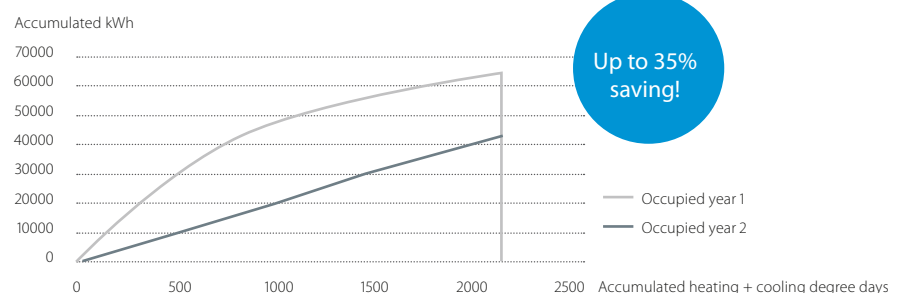
- › Pre-trade:
 - AC either on (timer) or off
 - whole store heated or cooled
- › Trading:
 - achieving set-point
 - staff could access controllers
 - heat cool clash can occur
 - door curtain not interlocked
 - always trying to achieve set-point
- › Post-Trade:
 - either on or off

With RTD-20

- › Pre-trade:
 - De-stratification on start-up
 - Heat/Cool protection enabled
 - AC only comes on if internal temp above 26°C or below 19°C
 - achieving midpoint of 19-23°C
 - controllers locked
 - heat cool clash prevented
 - door curtain interlocked
 - learns store patterns & heats/cools "enough" to reach set-point
- › Post-Trade:
 - Heat/cool protection enabled
 - Trade extension function

Integrate all essential store operations in one control

Optimize the operation of the air conditioning without compromising occupant comfort.



Overview functions



Main functions	RTD-NET	RTD-10	RTD-20	RTD-HO
Dimensions H x W x D mm	100 x 100 x 22			
Key card + window contact				✓
Set back function				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)	✓	✓	✓**	✓
Modbus (RS485)	✓	✓	✓	✓
Group control	✓	✓	✓	✓
0 - 10 V control		✓	✓	
Resistance control		✓	✓	
IT application		✓		
Heating interlock		✓	✓	
Output signal (on/defrost, error)		✓	✓****	✓
Retail application			✓	
Partitioned room control			✓	
Air curtain	✓**	✓**	✓	

(!): By combining RTD-RA devices

Control functions	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M,V,R	M	M*
Set point	M	M,V,R	M	M*
Mode	M	M,V,R	M	M*
Fan	M	M,V,R	M	M*
Louver	M	M,V,R	M	M*
HRV Damper control	M	M,V,R	M	
Prohibit/Restrict functions	M	M,V,R	M	M*
Forced thermo off				

Monitoring functions	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M
Set point	M	M	M	M
Mode	M	M	M	M
Fan	M	M	M	M
Louver	M	M	M	M
RC temperature	M	M	M	M
RC mode	M	M	M	M
N° of units	M	M	M	M
Fault	M	M	M	M
Fault code	M	M	M	M
Return air temperature (Average /Min/Max)	M	M	M	M
Filter alarm	M	M	M	M
Thermo on	M	M	M	M
Defrost	M	M	M	M
Coil In/Out temperature	M	M	M	M

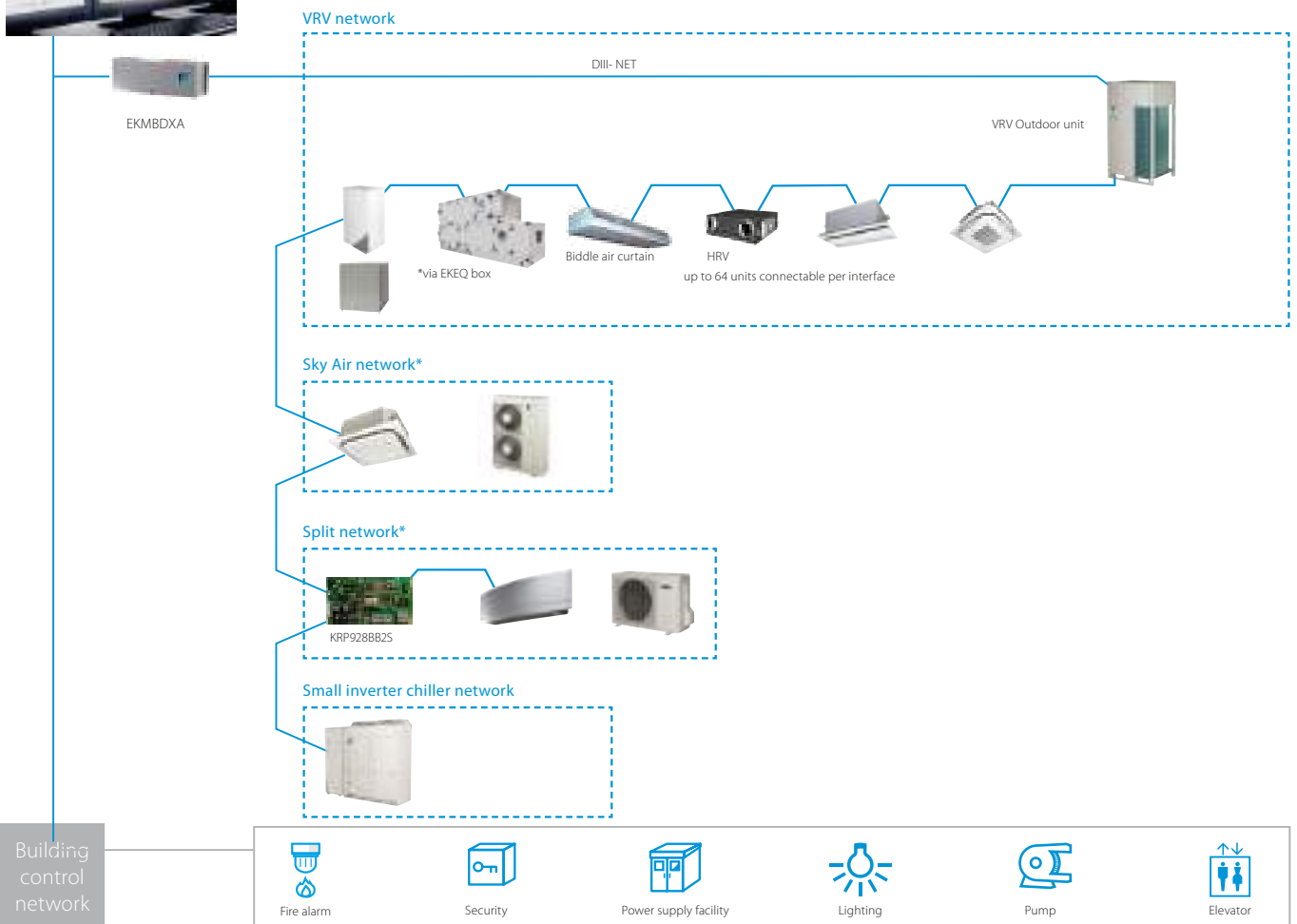
M : Modbus / R : Resistance / V : Voltage / C: control
 * : only when room is occupied / ** : setpoint limitation / (*) if available
 *** : no fan speed control on the CYV air curtain / **** : run & fault

DIII-net Modbus interface

EKMBDXA

Integrated control system for seamless connection between Split, Sky Air, VRV and small inverter chillers and BMS systems

- > Communication via Modbus RS485 protocol
- > Detailed monitoring and control of the VRV total solution
- > Easy and fast installation via DIII-net protocol
- > As the Daikin DIII-net protocol is being used, only one modbus interface is needed for a group of Daikin systems (up to 10 outdoor unit systems).



* Additional centralized controller might be required. For more information contact your local dealer.

		EKMBDXA7V1	
Maximum number of connectable indoor units		64	
Maximum number of connectable outdoor units		10	
Communication	DIII-NET - Remark	DIII-NET (F1F2)	
	Protocol - Remark	2 wire; communication speed: 9600 bps or 19200 bps	
	Protocol - Type	RS485 (modbus)	
	Protocol - Max. Wiring length	m	500
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation			Indoor installation
Power supply	Frequency	Hz	50
	Voltage	V	220-240

KNX interface

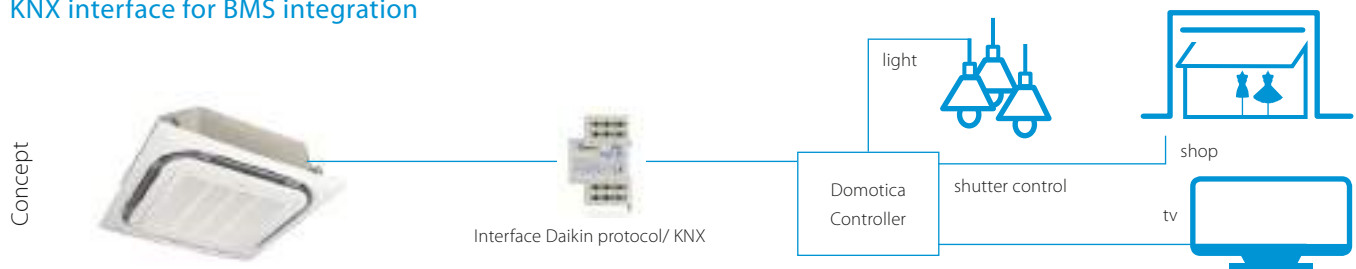
KLIC-DD
KLIC-DI

Integration of Split, Sky Air and VRV in HA/BMS systems

Connect split indoor units to KNX interface for Home Automation system



Connect Sky Air / VRV indoor units to KNX interface for BMS integration





KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scene' - such as "Home leave" - in which the end-user selects

a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

	 KLIC-DD Size 45x45x15mm	 KLIC-DI Size 90x60x35mm	
	Split	Sky Air	VRV
Basic control			
On/Off	●	●	●
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	●	●	●
Fan speed levels	3 or 5 + auto	2 or 3	2 or 3
Swing	Stop or movement	Stop or movement	Swing or fixed positions (5)
Advanced functionalities			
Error management	Communication errors, Daikin unit errors		
Scenes	●	●	●
Auto switch off	●	●	●
Temperature limitation	●	●	●
Initial configuration	●	●	●
Master and slave configuration		●	●

Daikin Cloud Service

to achieve optimal operation

Daikin Cloud Service is a cloud-based remote control and monitoring solution for DX systems. Using enhanced control, monitoring and predictive logic, Daikin Cloud Service provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

Monitor & control* your system no matter where you are while teaming up with Daikin experts

Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ✓ Control and monitor your premises, wherever you are
- ✓ Centralised control and monitoring of all your premises
- ✓ Check errors remotely without having to go on site
- ✓ Visualise energy consumption and reduce energy waste by comparing different premises

Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

- ✓ Early warning of system deviations to maximise system uptime and avoid emergency repairs**
- ✓ Service providers have access to operational data so they arrive on site prepared
- ✓ Remote expert assistance in case of errors



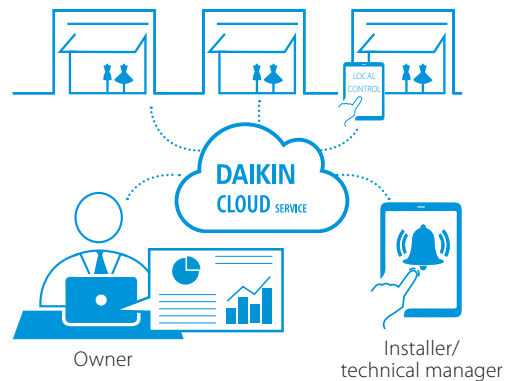
Advice and optimisation

Get the best out of your system through expert advice

- ✓ Periodical analysis and optimisation report by experts
- ✓ Personalised actions to maximise energy efficiency and comfort
- ✓ Increased system lifetime as the system runs as it should

Multi-site monitoring

From one to an ∞ number of sites



Daikin Cloud Service requires a subscription. Contact your local sales representative for more information.

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Daikin Cloud Service packages

	Control and monitoring	Remote support and diagnostics	Advice and optimisation
Remote control, scheduling and interlocking	✓ (DCC601A51 only)	✓ (DCC601A51 only)	✓ (DCC601A51 only)
Energy monitoring	✓	✓	✓
Multi-site benchmark	✓	✓	✓
Alarm history and e-mail notifications**	✓	✓	✓
Predictions and e-mail notifications**	✗	✓	✓
Operational data access	✗	✓	✓
Indoor use analysis	✗	✓	✓
Outdoor use analysis	✗	✓	✓
Remote diagnostic and support from Daikin	✗	✓	✓
Periodical analysis and optimisation advice from Daikin	✗	✗	✓
Can be combined with maintenance programmes: - Technical inspection - Preventive Maintenance Plan - Comprehensive Maintenance Plan	✗	✗	✓

Packages subject to local availability
Daikin Cloud Service replaces VRV Cloud and i-Net services.

Flexible solution

Manage your premises according to your needs, using a local control or remotely via Daikin Cloud Service, or a combination of both.

Control*, no matter where you are

Daikin Cloud Service gives you full control of one or more premises wherever you are, using your PC, tablet or smartphone.

Predictive logic for VRV to prevent breakdowns

The operational data is continuously analysed by Daikin algorithms to predict potential failures and avoid unexpected costs.

Compatible with:

- > Intelligent Tablet Controller (DCC601A51)
- > Intelligent Touch Manager (DCM601A51) + IoT gateway
- > LC8 + IoT gateway



1. Monitor and control your system



2. Compare energy use with target



3. Compare energy use from multiple sites



4. Detailed energy consumption follow up



5. Follow up of alarm and fault prediction

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Wireless room temperature sensor

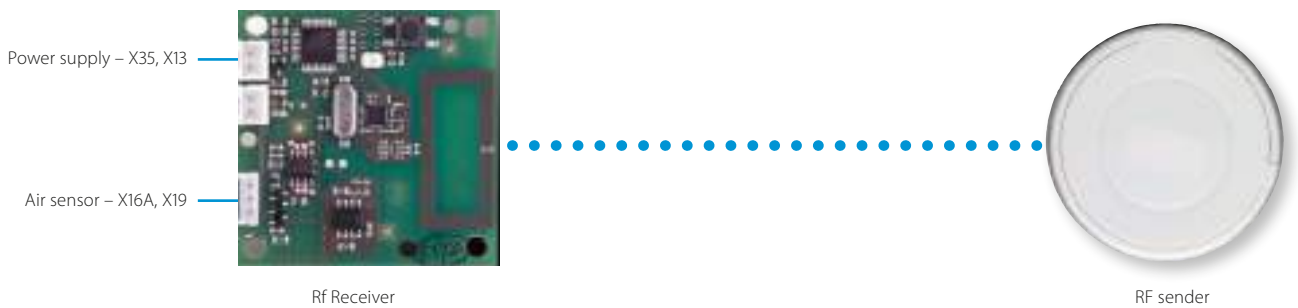
K.RSS



Flexible and easy installation

- › Accurate temperature measurement thanks to flexible placement of the sensor
- › No need for wiring
- › No need to drill holes
- › Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FXSQ example)



Specifications

				Wireless room temperature sensor kit (K.RSS)	
				Wireless room temperature receiver	Wireless room temperature sensor
Dimensions	mm	50 x 50		ø 75	
Weight	g	40		60	
Power supply		16VDC, max. 20 mA		N/A	
Battery life		N/A		+/- 3 years	
Battery type		N/A		3 Volt Lithium battery	
Maximum range	m	10			
Operation range	°C	0~50			
Communication	Type	RF			
	Frequency	MHz	868.3		

- › Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

Wired room temperature sensor

KRCS01-1B
KRCS01-4B



- › Accurate temperature measurement, thanks to flexible placement of the sensor











Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

ADAPTER PCBs




Simple solutions for unique requirements Concept and benefits

- › Low cost option to satisfy simple control requirements
- › Deployed on single or multiple units

			Connectable to:		
			Split	Sky Air	VRV
	(E)KRP1B* adapter for wiring	<ul style="list-style-type: none"> Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper Powered by and installed at the indoor unit 		●	●
	KRP2A*/KRP4A* Wiring adapter for electrical appendices	<ul style="list-style-type: none"> Remotely start and stop up to 16 indoor units (1 group) (KRP2A* via P1 P2) Remotely start and stop up to 128 indoor units (64 groups) (KRP4A* via F1 F2) Alarm indication/ fire shut down Remote temperature setpoint adjustment Cannot be used in combination with a central controller 		●	●
	KRP58M3	<ul style="list-style-type: none"> Low noise and demand control option for RZQ200/250C 		●	
	SB.KRP58M51	<ul style="list-style-type: none"> Low noise and demand control option for RZQG and RZQSG single phase Includes mounting plate EKMKA1 		●	
	KRP58M51	<ul style="list-style-type: none"> Low noise and demand control option for RZQG1 and RZQSG 3 phase 		●	
	DTA104A* Outdoor Unit External Control Adapter	<ul style="list-style-type: none"> Individual or simultaneous control of VRV system operating mode Demand control of individual or multiple systems Low noise option for individual or multiple systems 			●
	DCS302A52 Unification adapter for computerized control	<ul style="list-style-type: none"> Enables unified display (operation/malfunction) and unified control (ON/OFF) from BMS system Must be used together with intelligent Touch Controller or intelligent Touch Manager Cannot be combined with KRP2/4* Can be used for all VRV indoor models 			●
	KRP928* Interface adapter for DIII-net	<ul style="list-style-type: none"> Allows integration of split units to Daikin central controls 	●		
	KRP413* Wiring adapter normal open contact / normal open pulse contact	<ul style="list-style-type: none"> Switch off auto restart after power failure Indication of operation mode / error Remotely start /stop Remotely change operation mode Remotely change fan speed 	●		
	KRP980* Adapter for split units without an S21 port	<ul style="list-style-type: none"> Connect a wired remote control Connect to Daikin central controls Allow external contact 	●		

Some adapters require an installation box, refer to the option lists for more information

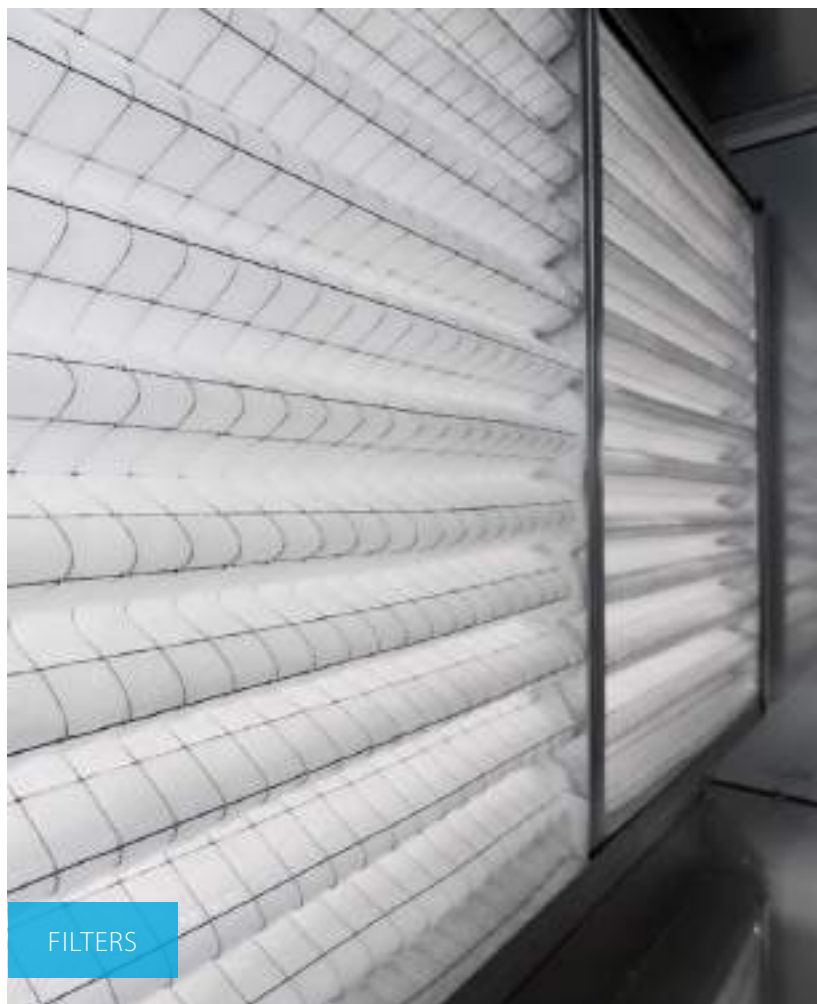
Accessories

EKRORO		<ul style="list-style-type: none"> External ON/OFF or forced off Example: door or window contact
EKRORO 3		<ul style="list-style-type: none"> External ON/OFF or forced off F1/F2 contact Example: door or window contact
KRC19-26A		<ul style="list-style-type: none"> Mechanical cool/heat selector Allows switching over an entire system between cooling/heating/fan only Connects to the A/B/C terminals of the unit
BRP2A81		<ul style="list-style-type: none"> Cool/heat selector PCB Required to connect KRC19-26A to a VRV IV outdoor unit

AUTO-CLEANING PANEL



FILTERS



INTELLIGENT SENSORS

Options & accessories

Sky Air	162
Indoor units	162
Outdoor units	164

Ventilation	166
Air handling units	166
Control systems	167

Options - Sky Air

INDOOR UNITS		FCAHG-H FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)
Panels	Decoration panel (obligatory for cassette units, optional for others)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(1) / BYCQ140EB (black) Auto cleaning panels(2) (4): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white) BYFQ60CS (silver) BYFQ60B3 (standard)		
	Panel spacer for reducing required installation height		KDBQ44B60 (only for standard panel)		
	Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140	DBBHQ44C60		
	Sensor kit	BRYQ140B (white) BRYQ140BB (black) BRYQ140C (white designer) BRYQ140CB (black designer)	BRYQ60AW (white)(9) BRYQ60AS (silver)(9)		
Individual control systems	Online Controller	BRP069B82 (14)	BRP069A81	BRP069A81	BRP069A81
	Infrared remote control (incl. receiver)	BRC7FA532F (white) (11) BRC7FA532FB (black) (11) BRC7FB532F (designer white) (11) BRC7FB532FB (designer black) (11)	BRC7EB530W for standard panel (5)(6) BRC7F530W for white panel (5)(6) BRC7F530S - for silver panel (5)(6)	BRC4C65	BRC4C65
	Madoka BRC1H519W (9) (White) / BRC1H519S (9) (Silver) / BRC1K519K (9) (Black) User-friendly wired remote controller with premium design	●	●	●	●
	BRC1E53A/B/C (3) (13) - Wired remote control with full-text interface and back-light	●	●	●	●
Centralised control systems	DIII-net connection - for connection to centralized control	standard	standard	standard	standard
	DCC601A51 - Intelligent tablet controller	●	●	●	●
	DCS601C51 (13) - Intelligent touch controller	●	●	●	●
	DCS302C51 (13) - Central remote control	●	●	●	●
	DCS301B51 (13) - Unified ON/OFF control	●	●	●	●
	DST301B51 (13) - Schedule timer	●	●	●	●
	NIM03 - R04084124324 - Option PCB for group control				
Building Management System & Standard protocol interface	DCM601A51 - Intelligent Touch Manager	●	●	●	●
	RTD-NET - Modbus interface for monitoring and control	●	●	●	●
	RTD-10 - Modbus interface for infrastructure cooling	●	●	●	●
	RTD-20 - Modbus interface for retail	●	●	●	●
	RTD-HO - Modbus interface for hotel	●	●	●	●
	EKMBOXA - Modbus interface	●	●	●	●
	KLIC-DI - KNX Interface	●	●	●	●
	DCM010A51 - Daikin PMS interface	●	●	●	●
	DMS502A51 - BACnet interface	●	●	●	●
DMS504B51 - LonWorks Interface	●	●	●	●	
Filters	Replacement long-life filter, non-woven type	KAF5511D160	KAF441C60		
	Auto cleaning filter	see deco panel		BAE20A62 (25 - 35) BAE20A102 (50 - 60)	
Adapter	Extension wire auto cleaning panel (required when auto cleaning panel AND online controller are both installed)				
	Wiring adapter for external monitoring/control via dry contacts and setpoint control via 0-140 Ω	KRP4A53 (10)(11)	KRP4A53 (10)	KRP4A54 (10)	KRP4A52 (10)
	Wiring adapter with 2 output signals (compressor/ Error, Fan output)	KRP1BA58 (10)(11)	KRP1B57 (10)	KRP1B56 (10)	
	Wiring adapter for external central monitoring/control (controls 1 entire system)			KRP2A53 (10)	KRP2A51 (7)(10)
	Adapter for wiring (interlock for fresh air intake fan)				KRP1B54
	Wiring adapter with 4 output signals (compressor / Error, Fan, Aux, heater, Humidifier output)	EKRP1C12 (10)(11)	EKRP1B2		EKRP1B2 (7)
	Adapter for keycard or window contact connection (in combination with BRC1H*, BRC1/2/3E* only)	BRP7A53	BRP7A53	BRP7A54 (10)	BRP7A51 (12)
	Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox, an installation box is required)	KRP1H98 (11)	KRP1B101/KRP1BA101	KRP1BA101	KRP1B101/KRP1BA101
	External wired temperature sensor	KRCS01-7B	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS - External wireless temperature sensor	●	●		●
Remote ON/OFF, forced OFF kit	standard	standard	standard	standard	
DTA112B51 - Interface adapter for Sky Air					
Others	Drain pump kit				
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)			2 dampers (25 - 35) 3 dampers (25 - 35) 4 dampers (50) 5 dampers (60)	2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)
	L-type piping kit (upward direction)				
	Fresh air intake kit (direct installation type)	KDDP55C160-1 (chamber) KDDP55D160-2 (diffuser) (11)	KDDQ44XA60		
	Air discharge adapter for round duct				KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)

(1) Dirt formation is more easily visible on white insulation. It is recommended not to install this option in environments with a high concentration of dirt.
 (2) To be able to control option BYCQ140EG(F)/EGFB, controller BRC1H*, BRC1E* is needed. These options cannot be combined with RXYSQ*, multi or non-inverter split units

(3) Included languages are:
 A: English, German, French, Dutch, Spanish, Italian and Portuguese
 B: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian
 C: English, Greek, Polish, Russian, Albanian, Slovak and Turkish
 (4) The option is intended exclusively for use in fine dust environments (e.g. Clothing shops). Do not use it in environments that are greasy or have high humidity. F = finer mesh

FDA-A	ADEA-A	FAA-A	FTXM-N	FHA-A(9)	FUA-A	FVA-A	FNA-A9
BYBS125D + EKBYBSD							
						KDBHP49B140 + KDBTP49B140	
BRP069A81	BRP069A81	BRP069A81	BRP069A41	BRP069A81	BRP069A81	BRP069A81	BRP069A81
BRC4C65	BRC4C65	BRC7EB518		BRC7G53	BRC7CB58		BRC4C65
•	•	•		•	•	•	•
•	•	•	• (BRC073A1) BRCW901A03/A08 extention cords available)	•	•	•	•
standard	standard	standard	KRP928BB25	standard	standard	standard	standard
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
				KAF501B56 (35-50) KAF501B80 (60-71) KAF501B160 (100-140)	KAF5511D160	KAFJ95L160	
	KRP4A52 (10)	KRP4A51 (10)		KRP4A52 (10)	KRP4A53 (10)	KRP4A52 (10)	KRP4A54
			KRP413AB1S			KRP1B57 (10)	
KRP2A51 (8)	KRP2A51 (7)(10)						
KRP1C64 (7)	KRP1B54			KRP1B54 (10)			
EKRP1B2 (7)	EKRP1B2 (7)						KRP1B56
BRP7A54 (12)	BRP7A51 (12)	BRP7A51 (10)		BRP7A52 (10)	BRP7A53 (10)	BRP7A52	BRP7A51
KRP4A96	KRP1B101/KRP1BA101	KRP4A93		KRP1D93A [box] KKSAP50A56 (35-50) [mounting plate]	KRP1BA97	KRP4AA95	KRP1BA101
KRCS01-4	KRCS01-4	KRCS01-4		KRCS01-4	KRCS01-4		KRCS01-4
•	•	•		•	•		•
EKRORO3	standard						
•							
		K-KDU572EVE		KDUP50Q63 (35 - 60) KDUP50Q160 (71 - 140)			
	2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)						
				KHFP5MA35 (35) KHFP5N63 (50-60) KHFP5N160 (71-140)			
				KDDQ50A140			
KDAJ25K140A	KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)						

(5) Sensing function is not available

(6) Individual flap control function not available

(7) If installing an electrical heater, an option PCB for external electrical heater (EKRP1B2) for each indoor unit is required. These options require mounting plate KRP4A96. Electrical heaters and humidifiers are field-supplied. Do not install them inside the equipment.

(8) Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.

(9) This option cannot be used with RR and RQ models

(10) Requires installation box for adapter PCB, refer to table for model code

(11) This option cannot be combined with BYCQ140EG(F)/EGFB

(12) Maximum 2 optional PCBs can be mounted

(13) Applicable boxes (KJB*) to mount controllers can be found in the controls option list

(14) Extention wire (EWHAR1) is needed if both auto cleaning panel AND online controller are connected

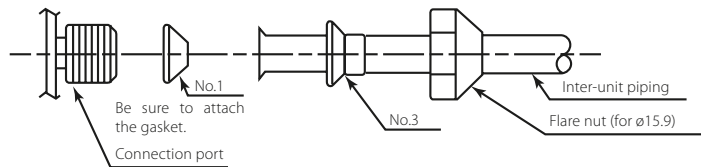
		R-32				
		RZAG-A	RZAG-NV1/NY1	RZAG-MV1/MY1	RZASG-MV1/MY1	AZAS-MV1/MY1
Refrigerant branch piping	for twin		KHRQ(M)58T	KHRQ(M)58T	KHRQ(M)58T	
	for triple		KHRQ(M)58H (100 - 140)	KHRQ(M)58H (100 - 140)	KHRQ(M)58H (100 - 140)	
	for double twin		KHRQ(M)58T (3x) (125 - 140)	KHRQ(M)58T (3x) (125 - 140)	KHRQ(M)58T (3x) (125 - 140)	
	Asymmetric combinations piping reducer	ASYCPIR (see table below)				
Demand adapter kit			SB.KRP58M52	SB.KRP58M52	SB.KRP58M52	
Bottom plate heater			EKBPH140N	EKBPH140L7		

Option for asymmetric combination (Asymmetric combinations piping reducer)

ASYCPIR		Liquid	GAS	
		ø 9.52 → ø 6.4	ø 12.7 → ø 9.52	ø 15.9 → ø 12.7
RZAG35A	FDXM50F9		●	
	FFA50A9		●	
	FBA50A9		●	
	FCAG50B		●	
	FNA50A9		●	
	FTXM50N		●	
RZAG60A	FHA50A9		●	
	FBA71A9	●		
	FCAG71B	●		●
	FTXM71N			●
	FHA71A9	●		●

Example of using:

1) Connecting a pipe of ø12.7 to a gas pipe connection port for ø15.9:



		R-410A						
		RZQG-L9V1	RZQG-L(8)Y1	RZQSG-L3V1	RZQSG-L(8)Y1	AZQS-B8V1	AZQS-BY1	RZQ-C
Drain plug								KWC26B280
Refrigerant branch	For twin	KHRQ22M20TA	KHRQ22M20TA (KHRQ58T) (1)	KHRQ22M20TA	KHRQ22M20TA (KHRQ58T) (1)			KHRQ22M20TA
	For triple	KHRQ127H (100 - 140)	KHRQ127H (100 - 140) (KHRQ58H) (1)	KHRQ127H (100 - 140)	KHRQ127H (100 - 140) (KHRQ58H) (1)			KHRQ250H7
	For double twin	KHRQ22M20TA (x3) (125 - 140)	KHRQ22M20TA (x3) (125 - 140) (KHRQ58T) (1)	KHRQ22M20TA (x3) (125 - 140)	KHRQ22M20TA (x3) (125 - 140) (KHRQ58T) (1)			KHRQ22M20TA (x3)
Demand adapter kit		SB.KRP58M51	KRP58M51	KRP58M51 (71) SB.KRP58M51 (100 - 125 - 140)	KRP58M51	KRP58M51 (71) SB.KRP58M51 (100-140)	KRP58M51	KRP58M3
Bottom plate heater		EKBPH140L7	EKBPH140L7 (2)					

(1) For RZQG-L(8)Y1 in combination with FCAG35-71* or FCAHG-* use refrigerant branch piping between brackets

(2) For combination of RZQG71 and EKBPH140L7 the demand adapter kit is needed in order to connect the bottom plate heater

*Note: blue cells contain preliminary data



		Heat Recovery Ventilation - Modular L (Smart)				Energy reclaim ventilation - VAM								Energy reclaim ventilation VKM			Air handling unit applications				
		ALB 02LBS/ RBS	ALB 03LBS/ RBS	ALB 04,05LBS/ RBS	ALB 06,07LBS/ RBS	VAM 150FC	VAM 250FC	VAM 350J	VAM 500J	VAM 650J	VAM 800J	VAM 1000J	VAM 1500J	VAM 2000J	VKM 50GB (M)	VKM 80GB (M)	VKM 100GB (M)	EKEQ FCBA (1)	EKEQ DCB (1)	EKEQ MCBA (1)	
Individual control systems	BRC301B61 VAM wired remote control	•	•	•	•	•	•	•	•	•	•	•	•								
	Madoka BRC1H519W7 (Glossy white) / BRC1H519S7 (Silver Metallic) / BRC1H519K7 (Black matte) User-friendly wired remote controller with premium design	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	BRC1D52 Standard wired remote control with weekly timer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	DCC601A51 intelligent Tablet Controller	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Centralised control systems	DCM601A51 intelligent Touch Controller	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	DCS302C51 Central remote control	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	DCS301B51 Unified ON/OFF control	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	DST301B51 Schedule timer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	DCM601A51 intelligent Touch Manager	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Building Management System & Standard protocol interface	EKMBOXA Modbus interface	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Filters	Coarse 55% (G4)	ALF 02G4A	ALF 03G4A	ALF 05G4A	ALF 07G4A																
	ePM ₁₀ 75% (M5)	ALF 02M5A	ALF 03M5A	ALF 05M5A	ALF 07M5A																
	ePM ₁₀ 70% (M6)						EKAFVJ 50F6	EKAFVJ 50F6	EKAFVJ 65F6	EKAFVJ 100F6	EKAFVJ 100F6	EKAFVJ 100F6x2	EKAFVJ 100F6x2								
	ePM ₁ 50% (F7)	ALF 02F7A	ALF 03F7A	ALF 05F7A	ALF 07F7A																
	ePM ₁ 55% (F7)						EKAFVJ 50F7	EKAFVJ 50F7	EKAFVJ 65F7	EKAFVJ 100F7	EKAFVJ 100F7	EKAFVJ 100F7x2	EKAFVJ 100F7x2								
	ePM ₁ 70% (F8)						EKAFVJ 50F8	EKAFVJ 50F8	EKAFVJ 65F8	EKAFVJ 100F8	EKAFVJ 100F8	EKAFVJ 100F8x2	EKAFVJ 100F8x2								
	ePM ₁ 80% (F9)	ALF 02F9A	ALF 03F9A	ALF 05F9A	ALF 07F9A																
	High efficiency filter														KAF 242H80M	KAF 242H100M	KAF 242H100M				
	Replacement air filter														KAF 241H80M	KAF 241H100M	KAF 241H100M				
Mechanical accessories	Rail	ALA 02RLA	ALA 03RLA	ALA 05RLA	ALA 07RLA																
	Rectangular to round duct transition	ALA 02RCA	ALA 03RCA	ALA 05RCA	ALA 07RCA																
	Separate plenum												EKPLEN 200 (6)	EKPLEN 200 (6)							
CO ₂ sensor	BRYMA200 (preliminary)	BRYMA200 (preliminary)	BRYMA200 (preliminary)	BRYMA200 (preliminary)			BRYMA 65	BRYMA 65	BRYMA 65	BRYMA 100	BRYMA 100	BRYMA 200	BRYMA 200	BRYMA 65	BRYMA 100	BRYMA 200					
Electrical heater	ALD 02HEFB	ALD 03HEFB	ALD 05HEFB	ALD 07HEFB	VH1B	VH2B	VH3B	VH3B	VH4B / VH4/AB	VH4B / VH4/AB	VH4B / VH4/AB	VH5B(7)	VH5B(7)								
Silencer (900mm depth)	ALS 0290A	ALS 0390A	ALS 0590A	ALS 0790A																	
Electrical accessories	Wiring adapter for external monitoring/control (controls 1 entire system)					KRP2A51	KRP2A51	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	BRP 4A50A (4)	BRP 4A50A (4)	BRP 4A50A (4)					
	Adapter PCB for humidifier					KRP50-2	KRP50-2	KRPIC4 (5)	KRPIC4 (5)	KRPIC4 (3/5)	KRPIC4 (5)	KRPIC4 (5)	KRPIC4 (3/5)	BRP 4A50A (4)	BRP 4A50A (4)	BRP 4A50A (4)					
	Adapter PCB for third party heater					BRP 4A50A	BRP 4A50A	BRP 4A50A (4)	BRP 4A50A (4)	BRP 4A50A (3/4)	BRP 4A50A (4)	BRP 4A50A (4)	BRP 4A50A (3/4)	BRP 4A50A (4)	BRP 4A50A (4)	BRP 4A50A (4)					
	External wired temperature sensor																			KRCS01-1	
	Adapter PCB Mounting plate									EKMP 65VAM			EKMPVAM								

- Notes
- (1) Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, ...; (intelligent Touch Manager; EKMBDXA are allowed)
 - (2) Installation box KRP1BA101 needed
 - (3) Adapter PCB mounting plate needed, applicable model can be found in the table above
 - (4) 3rd party heater and 3rd party humidifier cannot be combined
 - (5) Installation box KRP50-2A90 needed
 - (6) Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)
 - (7) Available only with optional plenum

Individual and centralised controls

	BRC1D*	BRC1E*	BRC1H*	DCS301B51	DST301B51	DCS302C51	DCS601C51
Madoka Assistant app for advanced settings			•				
Electical box KJB111A	•	•	•				
Electical box KJB212A(A) (1)	•	•		•	•		
Electical box KJB311A(A)						•	
Electical box KJB411AA							•

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

		Intelligent Controller		
		Options for local control	Cloud options	Software
Wired screen for local control	AL-CCD07-VESA-1	•	-	-
Zenpad 8" Tablet for local control	Z380M	•	-	-
Control and monitoring package		-	•	-
Remote support and diagnostics package		-	•	-
Advise and optimisation package		-	•	-
App for tablet - download for Android (Play store) only (In case of AL-CCD07-VESA-1 app is pre-installed)		-	-	•
Commissioning tool		-	-	•
Software update tool		-	-	•

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information

Intelligent Touch Manager - DCM601A51

		Intelligent Manager	Cloud options
iTM plus adapter – Allows connection of an additional 64 indoor units/groups. Up to 7 adapters can be connected	DCM601A52	•	
iTM PPD software – Allows distribution of used kWh by indoor units connected to the iTM	DCM002A51	•	
iTM HTTP interface - Allows communication to any third party controller via http interface	DCM007A51	•	
iTM Energy navigator – Energy management option	DCM008A51	•	
iTM BACnet Client option – Enables integration of third party devices to the iTM via the BACnet/IP protocol. (This is not a gateway and cannot replace DMS502A51)	DCM009A51	•	
Property Management System (PMS) interface option - Enables to connect to third party PMS systems	DCM010A51	• Oracle Opera PMS	
Control and monitoring package			•
Remote support and diagnostics package			•
Advise and optimisation package			•

Standard protocol interfaces - DMS502A51

		BACnet Interface
DIII-net expansion board (2 ports), connects up to 128 additional indoor units	DAM411B51	•
Digital pulse inputs (12) for PPD functionality	DAM412B51	•