



Pricelist 2018-2019

VRV



Prices and technical information for VRV products

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Due to their high performance Daikin VRV products have been awarded with the Eurovent Certification. For more information on which products are Eurovent certified please refer to the databooks or contact your local Daikin representative.

All Daikin VRV units have the inverter technology. The principle is simple: inverters adjust the power used to suit the actual requirement – no more, no less! This technology provides you with perfect comfort and efficiency.

NOTE:

All prices are list prices, excl. VAT and valid from 1. April 2018 till 31. March 2019.

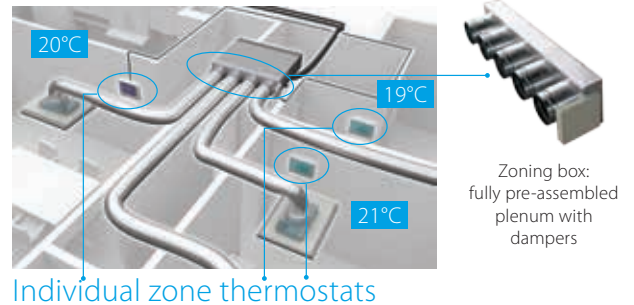
All prior pricelists are not valid anymore. The Daikin Commercial Terms and Conditions apply (see last page).

We reserve the right for printing errors and model changes.

Highlights

p.8 **NEW** Multi-zoning kit for concealed ceiling units

- › Increases comfort levels by allowing more individual zone control
- › Up to 8 individual zones can be served thanks to separate modulating dampers
- › Individual thermostat for room-by-room or zone-by-zone control



p.9 **NEW** VRV wall mounted unit - FXAQ-A

- › New design!
- › Range from 15 (1,7 kW) up to 63 (8,0 kW)



p.14 **NEW** HXHD-A8 Extended capacity range (22,4kW) of high temperature hydrobox

For efficient hot water production and space heating

- › Ideal for hot water in bathrooms, sinks and for underfloor heating, radiators, air handling units, ...
- › Hot water from 25 to 80°C
- › "Free" heating and hot water through heat recovery
- › Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler



p.21 **NEW** ALB-R/LB Premium efficiency heat reclaim ventilation unit

- › 6 Predefined sizes (100-3400 m³/h)
- › Compliant with VDI 6022
- › With Siemens (Microtech) controller, aluminium counterflow plate heat exchanger, F7 filter on supply air, M5 filter on return air, step panel 50 mm of thickness mineral wool insulated



p.30 **NEW** RWEYQ-T9 - VRV IV W⁺ series

Reduced CO₂ emissions thanks to the use of geothermal energy as a renewable energy source

- › No need for an external heating or cooling source when used in geothermal mode
- › Compact & lightweight design can be stacked for maximum space saving
- › Variable Water Flow control option increases flexibility and control
- › Mixed connection of HT/LT hydroboxes and VRV indoor units



p.39 **NEW** User-friendly wired remote controller with premium design - BRC1H51W/S/K

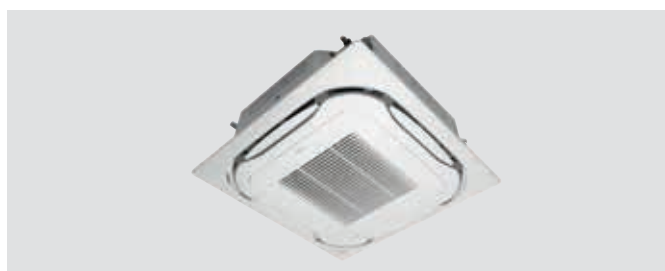
- › Sleek and elegant design
- › Intuitive touch button control
- › 3 color versions
- › Advanced settings can be easily done via your smartphone
- › Compact, flat back for easy wall installation



FXFQ-A Round-flow Cassette

VRV ceiling mounted cassette unit (800 x 800 mm)

Provides superior 360° air distribution - now with individual flap control and optionally presence and floor temperature sensors



Type		FXFQ20A.WP	FXFQ25A.WP	FXFQ32A.WP
Main unit		FXFQ20A	FXFQ25A	FXFQ32A
Decoration panel		BYCQ140D	BYCQ140D	BYCQ140D
Cooling capacity	kW	2,2	2,8	3,6
Heating capacity	kW	2,5	3,2	4,0
Price – Main unit	€	859,-	890,-	983,-
Price – Decoration panel	€	283,-	283,-	283,-
Set Price	€	1.142,-	1.173,-	1.266,-

Type		FXFQ40A.WP	FXFQ50A.WP	FXFQ63A.WP
Main unit		FXFQ40A	FXFQ50A	FXFQ63A
Decoration panel		BYCQ140D	BYCQ140D	BYCQ140D
Cooling capacity	kW	4,5	5,6	7,1
Heating capacity	kW	5,0	6,3	8,0
Price – Main unit	€	1.036,-	1.089,-	1.128,-
Price – Decoration panel	€	283,-	283,-	283,-
Set Price	€	1.319,-	1.372,-	1.411,-

Type		FXFQ80A.WP	FXFQ100A.WP	FXFQ125A.WP
Main unit		FXFQ80A	FXFQ100A	FXFQ125A
Decoration panel		BYCQ140D	BYCQ140D	BYCQ140D
Cooling capacity	kW	9,0	11,2	14,0
Heating capacity	kW	10,0	12,5	16,0
Price – Main unit	€	1.420,-	1.489,-	1.561,-
Price – Decoration panel	€	283,-	283,-	283,-
Set Price	€	1.703,-	1.772,-	1.844,-

Standard Accessories

Drain pump (850mm delivery height from level of false ceiling)

Suction air filter

Optional Accessories

Control		Price €
BRC7FA532F	Infra-red wireless remote controller - Note: not compatible with Presence & Floor sensors and no individual flap control	180,-
BRC1D52	Basic wired remote controller with weekly timer - Note: not compatible with Presence & Floor sensors and no individual flap control	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-
BRYQ140A	Presence & Floor sensors	163,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

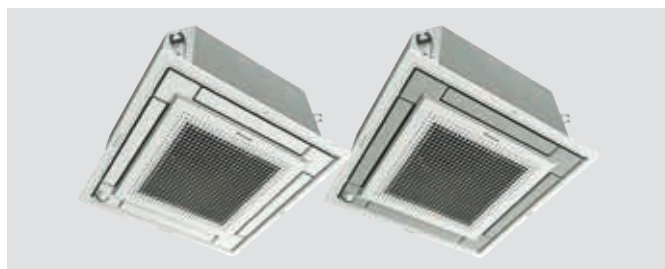
For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

Other		Price €
BYCQ140DG(F)	Auto-cleaning decoration panel - Must be combined with the BRC1E* or BRC1H*. IMPORTANT: Standard panel BYCQ140D must be removed from the order of the unit. NOTE: The following options cannot be used together with the Self-cleaning Decoration Panel: - BRC7FA532F Infra-red wireless remote controller - BRC1D52 Basic wired remote controller - EKR1C11 Wiring adaptor (use KRP1C12 instead) - KRP1H98 Installation box for adaptors (use KRP1J98 instead) - CE.KDDQ55B140 Fresh Air Intake Kit - KRP4A53 Wiring adaptor for external monitoring/control - KDBHQ55B140 Sealing kit for 3-directional or 2-directional air discharge - BYCQ140DGF contains finer mesh filter for usage in fine dust environments such as clothing shops. Not suitable for high humid or greasy environments.	511,-
BYCQ140DGF89	Black Auto-cleaning decoration panel (limited availability)	562,-
BYCQ140DW	Full-white (RAL9010) Decoration panel (including white louvers). IMPORTANT: Standard panel BYCQ140D must be removed from the order of the unit.	318,-
CE.KDDQ55B140	Fresh air intake kit for max 20% fresh air (consisting of two parts)	590,-
KDBHQ55B140	Sealing kit for 3-directional or 2-directional air discharge	116,-
KAFP551K160	Replacement long life filter	110,-

FXZQ-A Fully flat Cassette

VRV ceiling mounted cassette (600 x 600 mm)

The new Fully Flat Cassette - it protrudes only 8 mm from the ceiling and fits exactly into one Euro-raster tile, without overlapping neighbouring slides



Type	FXZQ15A.WP	FXZQ20A.WP	FXZQ25A.WP
Main unit	FXZQ15A	FXZQ20A	FXZQ25A
Decoration panel (full white design)	BYFQ60CW	BYFQ60CW	BYFQ60CW
Cooling capacity	1,7	2,2	2,8
Heating capacity	1,9	2,5	3,2
Price – Main unit	€ 919,-	€ 942,-	€ 987,-
Price – Decoration panel	€ 283,-	€ 283,-	€ 283,-
Set Price	€ 1.202,-	€ 1.225,-	€ 1.270,-

Type	FXZQ32A.WP	FXZQ40A.WP	FXZQ50A.WP
Main unit	FXZQ32A	FXZQ40A	FXZQ50A
Decoration panel (full white design)	BYFQ60CW	BYFQ60CW	BYFQ60CW
Cooling capacity	3,6	4,5	5,6
Heating capacity	4,0	5,0	6,3
Price – Main unit	€ 1.014,-	€ 1.123,-	€ 1.141,-
Price – Decoration panel	€ 283,-	€ 283,-	€ 283,-
Set Price	€ 1.297,-	€ 1.406,-	€ 1.424,-

Standard Accessories

Drain pump (750 mm delivery height from level of false ceiling)

Suction air filter

Optional Accessories

Control	Price €
BRC7F530W Infra-red wireless remote controller for BYFQ60CW - Note: no individual flap control possible	180,-
BRC7F530S Infra-red wireless remote controller for BYFQ60CS - Note: no individual flap control possible	180,-
BRC7EB530W Infra-red wireless remote controller for BYFQ60B3	238,-
BRC1D52 Basic wired remote controller with weekly timer - Note: not compatible with Presence & Floor sensors and no individual flap control	94,-
BRC1H51W/S/K New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-
BRYQ60AW Presence & Floor sensors for BYFQ60CW - Note: must be combined with the BRC1E53A for Austria, BRC1E53B for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian, BRC1E53C for Slovakian and Albanian Standard wired remote controller	163,-
BRYQ60AS Presence & Floor sensors for BYFQ60CS - Note: must be combined with the BRC1E53A for Austria, BRC1E53B for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian, BRC1E53C for Slovakian and Albanian Standard wired remote controller	163,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

Other	Price €
BYFQ60CW Fully Flat Decoration panel - full white design - Included in above calculated Set price	283,-
BYFQ60CS Fully Flat Decoration panel - silver/white design	283,-
BYFQ60B3 Legacy design Euro-raster decoration panel (outlook as previous generation unit) - Note: does not have individual flap control	283,-
BDBHQ44C60 Sealing kit for 3-directional or 2-direction air discharge for BYFQ* panels	116,-
KDBQ44B60 Panel spacer for reduced installation space - Only possible for use with Legacy design panel BYFQ60B3	522,-
KDDQ44XA60 Fresh air intake kit (connecting flange for air duct)	174,-

Indoor units

FXCQ-A

VRV ceiling mounted cassette (2-way blow)

With a new fresh-white decoration panel with individual flap control



Type		FXCQ20A.WP	FXCQ25A.WP	FXCQ32A.WP	FXCQ40A.WP
Main unit		FXCQ20A	FXCQ25A	FXCQ32A	FXCQ40A
Decoration panel		BYBCQ40H	BYBCQ40H	BYBCQ40H	BYBCQ40H
Cooling capacity	kW	2,2	2,8	3,6	4,5
Heating capacity	kW	2,5	3,2	4,0	5,0
Price – Main unit	€	983,-	994,-	1.025,-	1.111,-
Price – Decoration panel	€	730,-	730,-	730,-	730,-
Set Price	€	1.713,-	1.724,-	1.755,-	1.841,-

Type		FXCQ50A.WP	FXCQ63A.WP	FXCQ80A.WP	FXCQ125A.WP
Main unit		FXCQ50A	FXCQ63A	FXCQ80A	FXCQ125A
Decoration panel		BYBCQ63H	BYBCQ63H	BYBCQ125H	BYBCQ125H
Cooling capacity	kW	5,6	7,0	9,0	14,0
Heating capacity	kW	6,3	8,0	10,0	16,0
Price – Main unit	€	1.149,-	1.163,-	1.555,-	1.897,-
Price – Decoration panel	€	838,-	838,-	838,-	838,-
Set Price	€	1.987,-	2.001,-	2.510,-	2.852,-

Standard Accessories

Drain pump (600 mm delivery height from level of false ceiling)

Suction air filter

Optional Accessories

Control		Price €
BRC7C52	Infra-red wireless remote controller - Note: no individual flap control	505,-
BRC1D52	Basic wired remote controller with weekly timer - Note: no individual flap control	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

FXKQ-MA

VRV ceiling mounted cassette (1-way blow)

Uniquely slim design means this unit needs very little false ceiling space



Type		FXKQ25MA.WP	FXKQ32MA.WP	FXKQ40MA.WP	FXKQ63MA.WP
Main unit		FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
Decoration panel		BYK45F	BYK45F	BYK45F	BYK71F
Cooling capacity	kW	2,8	3,6	4,5	7,1
Heating capacity	kW	3,2	4	5,0	8,0
Price – Main unit	€	1.080,-	1.093,-	1.103,-	1.157,-
Price – Decoration panel	€	393,-	393,-	393,-	393,-
Set Price	€	1.473,-	1.486,-	1.496,-	1.584,-

Standard Accessories

Drain pump (500 mm delivery height from of false ceiling)

Suction air filter

Optional Accessories

Control		Price €
BRC4C61	Infra-red wireless remote controller	311,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

FXUQ-A

VRV 4-way blow ceiling suspended unit

Provides the air distribution of a 4-way blow cassette without requiring a false ceiling. Now with individual flap control and a fresh new design.



Type		FXUQ71A	FXUQ100A
Main unit		FXUQ71A	FXUQ100A
Cooling capacity	kW	8,0	11,2
Heating capacity	kW	9,0	12,5
Price	€	2.058,-	2.280,-

Standard Accessories

Drain pump (350 mm delivery height from top of unit)

Suction air filter

Optional Accessories

Control		Price €
BRC7C58	Infra-red wireless remote controller	533,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

Other		Price €
KDBHP49B140	Sealing kit for an air outlet	243,-
KDBTP49B140	Decoration panel for a sealed air outlet	378,-

FXHQ-A

VRV Ceiling suspended unit

In a new fresh-white design with a flap that fully closes when the unit is off



Type		FXHQ32A	FXHQ63A	FXHQ100A
Main unit		FXHQ32A	FXHQ63A	FXHQ100A
Cooling capacity	kW	3,6	7,1	11,2
Heating capacity	kW	4,0	8,0	12,5
Price	€	1.347,-	1.468,-	1.644,-

Standard Accessories

Suction air filter

Optional Accessories

Control		Price €
BRC7G53	Infra-red wireless remote controller	409,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

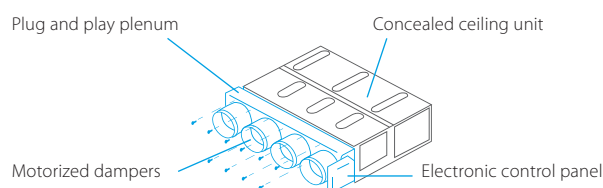
For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

Other		Price €
KDDQ50A140	Fresh air intake kit	239,-
KDU50P60	Drain pump kit for FXHQ32A	1.020,-
KDU50P140	Drain pump kit for FXHQ63~100A	1.344,-

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

- › Increases comfort levels by allowing more individual zone control
 - Up to 8 individual zones can be served thanks to separate modulating dampers
 - Individual thermostat for room-by-room or zone-by-zone control

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



257.-

Price €
294,-

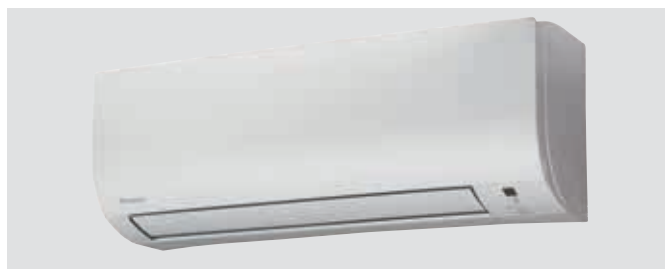
Price €
231.-

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FXAQ-A

VRV Wall mounted unit

Ideal for refurbishment projects with no false ceilings



Type		FXAQ15A	FXAQ20A	FXAQ25A	FXAQ32A
Main unit		FXAQ15A	FXAQ20A	FXAQ25A	FXAQ32A
Cooling capacity	kW	1,7	2,2	2,8	3,6
Heating capacity	kW	1,9	2,5	3,2	4,0
Price	€	721,-	765,-	791,-	804,-

Type		FXAQ40A	FXAQ50A	FXAQ63A
Main unit		FXAQ40A	FXAQ50A	FXAQ63A
Cooling capacity	kW	4,5	5,6	7,1
Heating capacity	kW	5,0	6,3	8,0
Price	€	806,-	831,-	868,-

Standard Accessories

Suction air filter

Optional Accessories

Control		Price €
BRC7EA628	Infra-red wireless remote controller	221,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

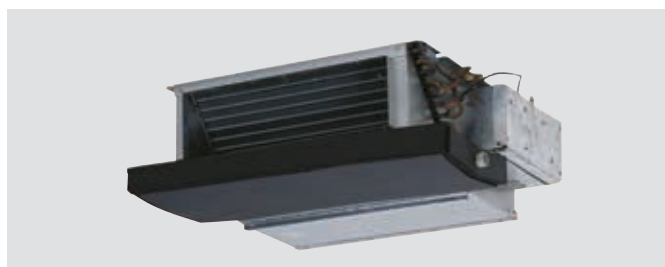
For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

Other		Price €
K-KDU572EVE	External drain pump kit (1000 mm delivery height)	654,-

FXDQ-M9

VRV Concealed ceiling unit (Small)

Designed for hotel application, this is one of the smallest units in the market - narrow enough for even the tightest hotel room entrance corridors.



Type		FXDQ20M9	FXDQ25M9
Main unit		FXDQ20M9	FXDQ25M9
Cooling capacity	kW	2,2	2,8
Heating capacity	kW	2,5	3,2
External static pressure (approximate)	Pa	15	
Price	€	630,-	663,-

Standard Accessories

Suction air filter

Optional Accessories

Control		Price €
BRC4C62	Infra-red wireless remote controller with external receiver	248,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-
BRC2E52C	Simplified wired remote control with operation mode button	159,-
BRC3E52C	Simplified wired remote control without operation mode button.	159,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

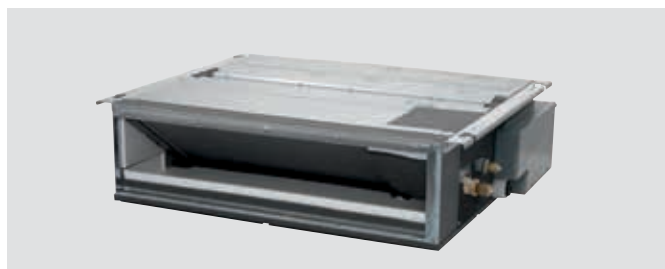
For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

FXDQ-A3

VRV Concealed ceiling unit (Slim)

With it's 20 cm, this unit is one of the slimmest in the market, requiring just very little false ceiling space. And now it boasts an energy saving inverter fan motor!

Now with the option of self cleaning filter; saving energy up to 20%!



Type		FXDQ15A3	FXDQ20A3	FXDQ25A3	FXDQ32A3
Main unit		FXDQ15A3	FXDQ20A3	FXDQ25A3	FXDQ32A3
Cooling capacity	kW	1,7	2,2	2,8	3,6
Heating capacity	kW	1,9	2,5	3,2	4,0
External static pressure (Nom./High)	Pa	10/30			
Price	€	733,-	754,-	762,-	811,-

Type		FXDQ40A3	FXDQ50A3	FXDQ63A3
Main unit		FXDQ40A3	FXDQ50A3	FXDQ63A3
Cooling capacity	kW	4,5	5,6	7,1
Heating capacity	kW	5,0	6,3	8,0
External static pressure (Nom./High)	Pa	15/44		
Price	€	877,-	950,-	979,-

Standard Accessories

Drain pump (550 mm delivery height from top of unit)

Suction air filter

Optional Accessories

Control		Price €
BRC4C65	Infra-red wireless remote controller with external receiver	143,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-
BRC2E52C	Simplified wired remote control with operation mode button	159,-
BRC3E52C	Simplified wired remote control without operation mode button.	159,-
BAE20A62	Auto cleaning filter for FXDQ15-32A3	458,-
BAE20A82	Auto cleaning filter for FXDQ40-50A3	485,-
BAE20A102	Auto cleaning filter for FXDQ63A3	511,-
BAEVACEP	Reducer to allow the usage of variable vacuum cleaners. Compatible with all three auto cleaning option kits.	21,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

FXMQ-MB

VRV Concealed ceiling unit (Large)

Powerful units for central air processing and distribution via extensive duct systems.



Type		FXMQ200MB	FXMQ250MB
Main unit		FXMQ200MB	FXMQ250MB
Cooling capacity	kW	22,4	28,0
Heating capacity	kW	25,0	31,5
External static pressure (Nom./High)	Pa	160/270	170/270
Price	€	2.821,-	2.896,-

Optional Accessories

Control		Price €
BRC4C65	Infra-red wireless remote controller with external receiver	143,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-
BRC2E52C	Simplified wired remote control with operation mode button	159,-
BRC3E52C	Simplified wired remote control without operation mode button.	159,-

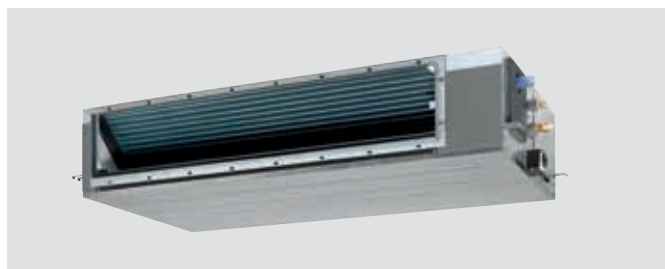
BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

FXSQ-A

VRV Concealed ceiling unit (Standard)

With inverter fan motors, these units offer more than 9 different ESP settings or an automatic air-flow adjustment function for precise tuning to the real installation. Improved height, sound, ESP and efficiency values! Lowest built-in height in the market!



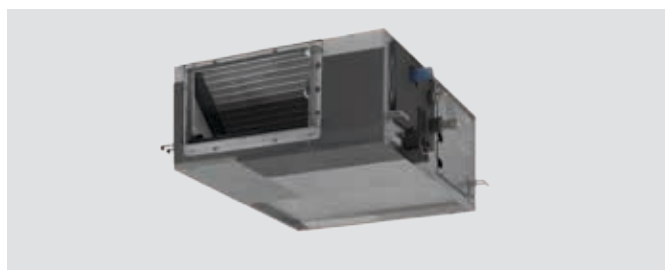
Type		FXSQ15A	FXSQ20A	FXSQ25A	FXSQ32A	FXSQ40A	FXSQ50A
Main unit		FXSQ15A	FXSQ20A	FXSQ25A	FXSQ32A	FXSQ40A	FXSQ50A
Cooling capacity	kW	1,7	2,2	2,8	3,6	4,5	5,6
Heating capacity	kW	1,9	2,5	3,2	4,0	5,0	6,3
External static pressure (Nom./High)	Pa	30/150					
Price	€	825,-	869,-	907,-	934,-	993,-	1.037,-

Type		FXSQ63A	FXSQ80A	FXSQ100A	FXSQ125A	FXSQ140A
Main unit		FXSQ63A	FXSQ80A	FXSQ100A	FXSQ125A	FXSQ140A
Cooling capacity	kW	7,1	9,0	11,2	14,0	15,7
Heating capacity	kW	8,0	10,0	12,5	16,0	17,9
External static pressure (Nom./High)	Pa	30/150	40/150		50/150	50/150
Price	€	1.070,-	1.314,-	1.361,-	1.389,-	1.604,-

FXMQ-P7

VRV Concealed ceiling unit (High ESP)

Providing up to 200 Pa of ESP, these are powerful units for installations with long ducts. Inverter fan motors provide up to 15 ESP settings or an automatic air-flow adjustment function.



Type		FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Main unit		FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Cooling capacity	kW	5,6	7,1	9,0	11,2	14,0
Heating capacity	kW	6,3	8,0	10,0	12,5	16,0
External static pressure (Nom./High)	Pa	100/200				
Price	€	1.204,-	1.255,-	1.381,-	1.430,-	1.458,-

Indoor units

Standard Accessories for FXSQ-A & FXMQ-P7

Drain pump (625mm delivery height from drain outlet)
Suction air filter for bottom or rear suction

Optional Accessories for FXSQ-A & FXMQ-P7

Control		Price €
BRC4C65	Infra-red wireless remote controller with external receiver	143,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-
BRC2E52C	Simplified wired remote control with operation mode button	159,-
BRC3E52C	Simplified wired remote control without operation mode button.	159,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

Other for FXSQ-A		Price €
KDAP25A36	Air discharge adaptor for round duct - for units 15-32	117,-
KDAP25A56	Air discharge adaptor for round duct - for FXSQ40~50A	149,-
KDAP25A71	Air discharge adaptor for round duct - for FXSQ63~80A	311,-
KDAP25A140	Air discharge adaptor for round duct - for FXSQ100~125A	480,-

Other for FXMQ-P7		Price €
KDAJ25K36A	Air discharge adaptor for round duct 1x ø200mm - for units 15-32	117,-
KDAJ25K56	Air discharge adaptor for round duct 2x ø200mm - for FXMQ40P7	149,-
KDAJ25K71	Air discharge adaptor for round duct 2x ø200mm - for FXMQ50~80P7	311,-
KDAJ25K140	Air discharge adaptor for round duct 4x ø200mm - for FXMQ100~125P7	480,-

FXLQ-P

VRV floor standing unit

Thanks to the optional rear decoration panel, this floor standing unit can now be used also along full-height windows or in the middle of the room, as a space separator.



Type		FXLQ20P	FXLQ25P	FXLQ32P
Main unit		FXLQ20P	FXLQ25P	FXLQ32P
Cooling capacity	kW	2,2	2,8	3,6
Heating capacity	kW	2,5	3,2	4,0
Price	€	1.163,-	1.177,-	1.215,-

Type		FXLQ40P	FXLQ50P	FXLQ63P
Main unit		FXLQ40P	FXLQ50P	FXLQ63P
Cooling capacity	kW	4,5	5,6	7,1
Heating capacity	kW	5,0	6,3	8,0
Price	€	1.248,-	1.311,-	1.389,-

Standard Accessories

Suction air filter

Optional Accessories

Control		Price €
BRC4C65	Infra-red wireless remote controller with external receiver	143,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-
BRC2E52C	Simplified wired remote control with operation mode button	159,-
BRC3E52C	Simplified wired remote control without operation mode button.	159,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

Other		Price €
EKRDP25	Rear decoration panel - for units FXLQ20~25P	125,-
EKRDP40	Rear decoration panel - for units FXLQ32~40P	152,-
EKRDP63	Rear decoration panel - for units FXLQ50~63P	177,-

FXNQ-A

VRV concealed floor standing unit

Ideal for building into window-sills or furniture. Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible. Requires very little installation space (200mm of depth) and high ESP allows flexible installation.



Type		FXNQ20A	FXNQ25A	FXNQ32A
Main unit		FXNQ20A	FXNQ25A	FXNQ32A
Cooling capacity	kW	2,2	2,8	3,6
Heating capacity	kW	2,5	3,2	4,0
External static pressure (Nom./High)	Pa	10/41		10/42
Price	€	943,-	953,-	1.022,-

Type		FXNQ40A	FXNQ50A	FXNQ63A
Main unit		FXNQ40A	FXNQ50A	FXNQ63A
Cooling capacity	kW	4,5	5,6	7,1
Heating capacity	kW	5,0	6,3	8,0
External static pressure (Nom./High)	Pa	15/52	15/59	15/55
Price	€	1.064,-	1.073,-	1.199,-

Standard Accessories

Suction air filter

Optional Accessories

Control		Price €
BRC4C65	Infra-red wireless remote controller with external receiver	143,-
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-
BRC2E52C	Simplified wired remote control with operation mode button	159,-
BRC3E52C	Simplified wired remote control without operation mode button.	159,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

VRV Hydroboxes

HXY-A8

VRV IV low temperature reversible hydrobox

Heat or cool down water with the same VRV IV system that you use for DX heating or cooling - ideal for floor-heating of high rooms or rooms, where DX units are unsuitable (small restrooms, etc.)

IMPORTANT: Combinable only with RYYQ-T, RXYQ-T and REYQ-T systems



Type		HXY080A8	HXY125A8
Main unit		HXY080A8	HXY125A8
Nominal cooling capacity	kW	8,0	12,5
Nominal heating capacity	kW	9,0	14,0
Price	€	2.449,-	3.430,-

Standard Accessories

Remote controller with leaving water temperature control

Hydraulic components (circulation pump, expansions vessel, safety valve, etc.)

Expansion valve for connection to the VRV system

Optional Accessories

Control		Price €
EKHBPC2	Optional drain pan (required for cooling operation)	159,-
EKRPIAHT	Demand PCB - Required to be able to connect Room thermostat	158,-
EKRUAHTB	Remote user interface - Same controller as supplied with hydrobox unit can be mounted parallel or in another location.	237,-
EKRTRA	Wired Room thermostat - Requires Demand PCB EKRPIAHT	152,-
EKRTR	Wireless Room thermostat - Requires Demand PCB EKRPIAHT	299,-
EKRTE5	Remote sensor for Room thermostat - Requires Demand PCB EKRPIAHT	17,-
EKBHUA6V3	6kW external back-up heater, 1-phase (230V) power supply	701,-
EKBHUA6W1	6kW external back-up heater, 3-phase (400V) power supply	701,-

HXHD-A8

VRV IV heat recovery High temperature heating only hydrobox

80°C hot water from energy recovered during cooling operation with pure heat pump technology - no direct electrical heaters - thanks to a unique R410A-R134a cascade refrigerant system.



IMPORTANT: Only combinable with REYQ-T systems

Type		HXHD125A8	HXHD200A8
Main unit		HXHD125A8	HXHD200A8
Nominal heating capacity	kW	14,0	22,4
Price	€	4.669,-	7.004,-

Standard Accessories

Remote controller for external installation

Hydraulic components (circulation pump, expansions vessel, safety valve, etc.)

R134a factory charge – no field charge of R134a is necessary

Optional Accessories

Control		Price €
EKRP1HBA	Digital I/O PCB	159,-
EKRPIAHT	Demand PCB - Required to be able to connect Room thermostat	158,-
EKRUAHTB	Remote user interface - Same controller as supplied with Cascade unit can be mounted parallel or in another location.	237,-
EKRTWA	Wired Room thermostat - Requires Demand PCB EKRPIAHT	152,-
EKRTR	Wireless Room thermostat - Requires Demand PCB EKRPIAHT	299,-
EKRTETS	Remote sensor for Room thermostat - Requires Demand PCB EKRPIAHT	17,-
RTD-W	Modbus and advanced control adaptor for HT Hydrobox	371,-

Others

Sanitary water tanks of various sizes and configurations *

Solar connections and pump stations *

* for details and prices, refer to the Heating catalogue and price list, Altherma high temperatures sections. Heating discount policies apply for these accessories

Ventilation units

EKEQ*CBA & EKEXV-

VRV air handling unit Connection Kit

Allows a VRV system to also serve a DX heat exchanger installed in a separate air handling unit, for example to pre-cool or pre-heat fresh air.



Control Unit	EKEQMCBA	EKEQFCBA
Control type	Daikin control	Free (External) control
Control options	<ul style="list-style-type: none"> Room temperature control [via Remote Controller (accessory) or via External room temperature sensor (accessory)] Return air temperature control (via a supplied thermistor) 	<ul style="list-style-type: none"> (X-Control): 0~10V direct capacity control (5V = maintain capacity, >5V colder air wanted, <5V warmer air wanted) (Y-Control): Fixed evaporation / condensation temperature control (W-Control): 0~10V linear capacity control (0V = 0% capacity, 10V = 100% capacity)
Combination limitations	For system design limitations, please refer to selection information on pages 44-46.	Only allowed under the following conditions: <ul style="list-style-type: none"> Maximum 3 EKEQFCBA boxes on one system For one AHU (single interleaved DX heat exchanger) No other indoor units connected to system Connection ratio 90 ~ 110% (VRV) Connection ratio 50 ~ 110% (ERQ)
Price EKEQ*CBA	€ 1.072,-	909,-

Expansion Valve Unit		EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	EKEXV400	EKEXV500
Nominal cooling capacity	kW	5,6	7,1	9,0	11,2	14,0	16,0	22,4	28,0	44,8	56,0
Nominal heating capacity	kW	6,3	8,0	10,0	12,5	16,0	18,0	25,0	31,5	50,0	63,0
Price	€	170,-	176,-	189,-	195,-	209,-	214,-	232,-	247,-	271,-	299,-

Optional Accessories

Control		Price €
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53*	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions. BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-
KRCS01-1	Remote air temperature sensor	84,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

For other control accessories and adaptor cards, please see the Accessories overview and combination table on pages 39-40.

CYV-DK-F

Air curtain for VRV connection – Free hanging

Air curtains for under-ceiling installation, hung on suspension bolts. Decoration panels to hide suspension bolts are available as an accessory.



Free-hanging for door height 200-230cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVS100DK80FBC	CYVS150DK80FBC	CYVS200DK100FBC	CYVS250DK140FBC
Main unit in grey color (RAL9006)	CYVS100DK80FSC	CYVS150DK80FSC	CYVS200DK100FSC	CYVS250DK140FSC
VRV capacity index	80	80	100	140
Price	€ 4.964,-	6.323,-	7.642,-	8.527,-

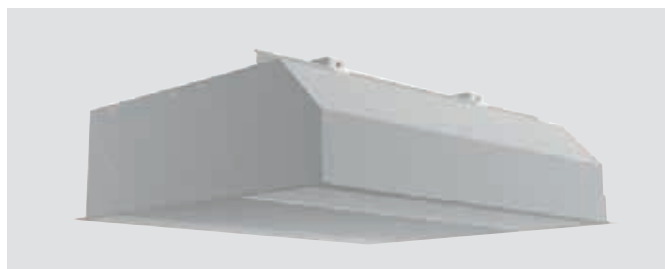
Free-hanging for door height 230-250cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVM100DK80FBC	CYVM150DK80FBC	CYVM200DK100FBC	CYVM250DK140FBC
Main unit in grey color (RAL9006)	CYVM100DK80FSC	CYVM150DK80FSC	CYVM200DK100FSC	CYVM250DK140FSC
VRV capacity index	80	80	100	140
Price	€ 5.680,-	7.275,-	9.015,-	10.261,-

Free-hanging for door height 250-300cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVL100DK125FBC	CYVL150DK200FBC	CYVL200DK250FBC	CYVL250DK250FBC
Main unit in grey color (RAL9006)	CYVL100DK125FSC	CYVL150DK200FSC	CYVL200DK250FSC	CYVL250DK250FSC
VRV capacity index	125	200	250	250
Price	€ 7.235,-	9.625,-	11.852,-	13.766,-

CYV-DK-C

Air curtain for VRV connection – Cassette

Air curtains for in-ceiling installation - only the units decoration panel is visible. Require false ceiling space, decoration panel provided together with main unit.



Recessed for door height 200-230cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVS100DK80CBC	CYVS150DK80CBC	CYVS200DK100CBC	CYVS250DK140CBC
Main unit in grey color (RAL9006)	CYVS100DK80CSC	CYVS150DK80CSC	CYVS200DK100CSC	CYVS250DK140CSC
VRV capacity index	80	80	100	140
Price	€ 4.904,-	6.263,-	7.583,-	8.469,-

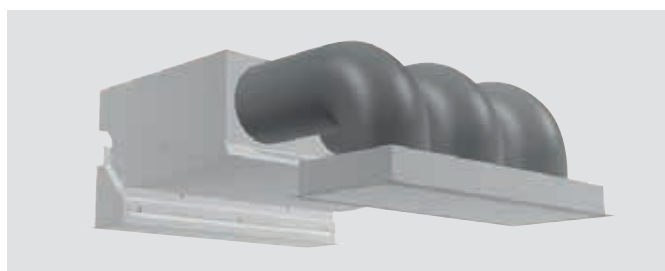
Recessed for door height 230-250cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVM100DK80CBC	CYVM150DK80CBC	CYVM200DK100CBC	CYVM250DK140CBC
Main unit in grey color (RAL9006)	CYVM100DK80CSC	CYVM150DK80CSC	CYVM200DK100CSC	CYVM250DK140CSC
VRV capacity index	80	80	100	140
Price	€ 5.617,-	7.215,-	8.954,-	10.200,-

Recessed for door height 250-300cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVL100DK125CBC	CYVL150DK200CBC	CYVL200DK250CBC	CYVL250DK250CBC
Main unit in grey color (RAL9006)	CYVL100DK125CSC	CYVL150DK200CSC	CYVL200DK250CSC	CYVL250DK250CSC
VRV capacity index	125	200	250	250
Price	€ 7.161,-	9.551,-	11.777,-	13.693,-

CYV-DK-R

Air curtain for VRV connection – Recessed

Air curtains for concealed installation - only the discharge and suction openings are visible. Require false ceiling space, ducts connecting suction chamber with main unit are to be supplied locally.



Recessed for door height 200-230cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVS100DK80RBC	CYVS150DK80RBC	CYVS200DK100RBC	CYVS250DK140RBC
Main unit in grey color (RAL9006)	CYVS100DK80RSC	CYVS150DK80RSC	CYVS200DK100RSC	CYVS250DK140RSC
VRV capacity index	80	80	100	140
Price	€ 5.113,-	6.609,-	8.193,-	9.135,-

Recessed for door height 230-250cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVM100DK80RBC	CYVM150DK80RBC	CYVM200DK100RBC	CYVM250DK140RBC
Main unit in grey color (RAL9006)	CYVM100DK80RSC	CYVM150DK80RSC	CYVM200DK100RSC	CYVM250DK140RSC
VRV capacity index	80	80	100	140
Price	€ 5.827,-	7.535,-	9.562,-	10.857,-

Recessed for door height 250-300cm	100cm wide	150cm wide	200cm wide	250cm wide
Main unit in white color (RAL9016)	CYVL100DK125RBC	CYVL150DK200RBC	CYVL200DK250RBC	CYVL250DK250RBC
Main unit in grey color (RAL9006)	CYVL100DK125RSC	CYVL150DK200RSC	CYVL200DK250RSC	CYVL250DK250RSC
VRV capacity index	125	200	250	250
Price	€ 7.379,-	9.848,-	12.369,-	14.419,-

Air Curtains for VRV connection - Accessories

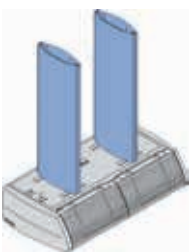
Standard accessories

Suction air filter

Biddle air curtain controller

Optional Accessories

Control		Price €
BRC1D52	Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-
RTD-NET	Modbus adaptor for basic integration into Modbus	266,-
RTD-20	Advanced control adaptor for external fan speed control, outdoor air control, and Modbus integration	426,-
BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.		

Outlook		Price €
	CE.B_2-COVERS-H50 Optional covers for suspension racks; maximum suspension height of 50cm; for 100, 150, 200cm units	381,-
	CE.B_3-COVERS-H50 Optional covers for suspension racks; maximum suspension height of 50cm; for 250cm units	518,-
	CE.B_2-COVERS-H100 Optional covers for suspension racks; maximum suspension height of 100cm; for 100, 150, 200cm units	403,-
	CE.B_3-COVERS-H100 Optional covers for suspension racks; maximum suspension height of 100cm; for 250cm units	565,-
	CE.B_2-COVERS-H150 Optional covers for suspension racks; maximum suspension height of 150cm; for 100, 150, 200cm units	489,-
	CE.B_3-COVERS-H150 Optional covers for suspension racks; maximum suspension height of 150cm; for 250cm units	691,-

CYQ-DK-F

Air curtain for ERQ pair connection – Free hanging

Air curtains for under-ceiling installation, hung on suspension bolts. Decoration panels to hide suspension bolts are available as an accessory.



Free-hanging for door height 200-230 cm	150 cm wide	200 cm wide	250cm wide
Main Unit in white color (RAL9016)	CYQS150DK80FBN	CYQS200DK100FBN	CYQS250DK140FBN
Main Unit in grey color (RAL9006)	CYQS150DK80FSN	CYQS200DK100FSN	CYQS250DK140FSN
Capacity Index	80	100	140
Price	€ 5.958,-	7.253,-	8.139,-

Free-hanging for door height 230-250 cm	100 cm wide	150 cm wide	200 cm wide	250 cm wide
Main Unit in white color (RAL9016)	CYQM100DK80FBN	CYQM150DK80FBN	CYQM200DK100FBN	CYQM250DK140FBN
Main Unit in grey color (RAL9006)	CYQM100DK80FSN	CYQM150DK80FSN	CYQM200DK100FSN	CYQM250DK140FSN
Capacity Index	80	80	100	140
Price	€ 5.778,-	6.886,-	8.621,-	9.869,-

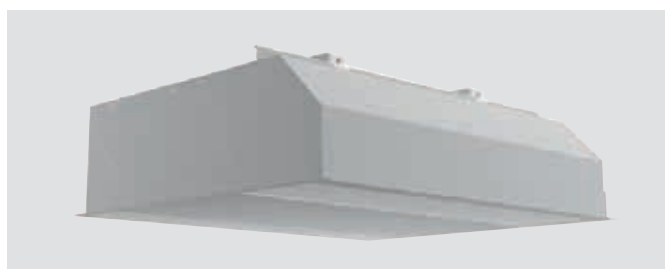
Free-hanging for door height 250-300 cm	100 cm wide	150 cm wide	200 cm wide	250 cm wide
Main Unit in white color (RAL9016)	CYQL100DK125FBN	CYQL150DK200FBN	CYQL200DK250FBN	CYQL250DK250FBN
Main Unit in grey color (RAL9006)	CYQL100DK125FSN	CYQL150DK200FSN	CYQL200DK250FSN	CYQL250DK250FSN
Capacity Index	125	200	250	250
Price	€ 6.594,-	9.405,-	11.678,-	13.626,-

Note: these units are only for pair combination with ERQ outdoor units - see p. 31.

CYQ-DK-C

Air curtain for ERQ pair connection – Cassette

Air curtains for in-ceiling installation - only the units decoration panel is visible. Require false ceiling space, decoration panel provided together with main unit.



Cassette type for door height 200-230 cm	150 cm wide	200 cm wide	250cm wide
Main Unit in white color (RAL9016)	CYQS150DK80CBN	CYQS200DK100CBN	CYQS250DK140CBN
Main Unit in grey color (RAL9006)	CYQS150DK80CSN	CYQS200DK100CSN	CYQS250DK140CSN
Capacity Index	80	100	140
Price	€ 5.958,-	7.253,-	8.139,-

Cassette type for door height 230-250 cm	100 cm wide	150 cm wide	200 cm wide	250 cm wide
Main Unit in white color (RAL9016)	CYQM100DK80CBN	CYQM150DK80CBN	CYQM200DK100CBN	CYQM250DK140CBN
Main Unit in grey color (RAL9006)	CYQM100DK80CSN	CYQM150DK80CSN	CYQM200DK100CSN	CYQM250DK140CSN
Capacity Index	80	80	100	140
Price	€ 5.778,-	6.886,-	8.621,-	9.869,-

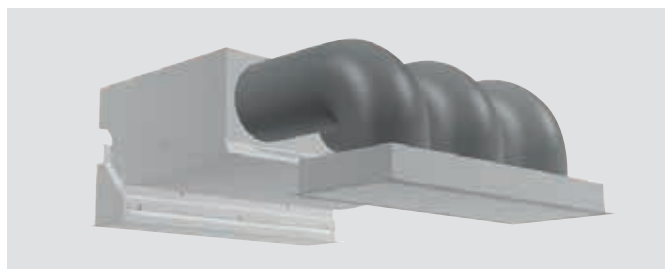
Cassette type for door height 250-300 cm	100 cm wide	150 cm wide	200 cm wide	250 cm wide
Main Unit in white color (RAL9016)	CYQL100DK125CBN	CYQL150DK200CBN	CYQL200DK250CBN	CYQL250DK250CBN
Main Unit in grey color (RAL9006)	CYQL100DK125CSN	CYQL150DK200CSN	CYQL200DK250CSN	CYQL250DK250CSN
Capacity Index	125	200	250	250
Price	€ 6.433,-	9.405,-	11.678,-	13.626,-

Note: these units are only for pair combination with ERQ outdoor units - see p. 31.

CYQ-DK-R

Air curtain for ERQ pair connection – Recessed

Air curtains for concealed installation - only the discharge and suction openings are visible. Require false ceiling space, ducts connecting suction chamber with main unit are to be supplied locally.



Recessed type for door height 200-230 cm	150 cm wide	200 cm wide	250cm wide
Main Unit in white color (RAL9016)	CYQS150DK80RBN	CYQS200DK100RBN	CYQS250DK140RBN
Main Unit in grey color (RAL9006)	CYQS150DK80RSN	CYQS200DK100RSN	CYQS250DK140RSN
Capacity Index	80	100	140
Price	€ 6.281,-	7.864,-	8.810,-

Recessed type for door height 230-250 cm	100 cm wide	150 cm wide	200 cm wide	250 cm wide
Main Unit in white color (RAL9016)	CYQM100DK80RBN	CYQM150DK80RBN	CYQM200DK100RBN	CYQM250DK140RBN
Main Unit in grey color (RAL9006)	CYQM100DK80RSN	CYQM150DK80RSN	CYQM200DK100RSN	CYQM250DK140RSN
Capacity Index	80	80	100	140
Price	€ 5.964,-	7.205,-	9.230,-	10.527,-

Recessed type for door height 250-300 cm	100 cm wide	150 cm wide	200 cm wide	250 cm wide
Main Unit in white color (RAL9016)	CYQL100DK125RBN	CYQL150DK200RBN	CYQL200DK250RBN	CYQL250DK250RBN
Main Unit in grey color (RAL9006)	CYQL100DK125RSN	CYQL150DK200RSN	CYQL200DK250RSN	CYQL250DK250RSN
Capacity Index	125	200	250	250
Price	€ 6.608,-	9.709,-	12.281,-	14.380,-

Note: these units are only for pair combination with ERQ outdoor units - see p. 31.

Air Curtains for ERQ pair connection - Accessories

Standard accessories

Suction air filter

Optional Accessories

Control	Price €
BRC1D52 *1 Basic wired remote controller with weekly timer	94,-
BRC1H51W/S/K New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A *1 Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B *1 Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C *1 Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-
RTD-NET *1 Modbus adaptor for basic integration into Modbus	266,-
RTD-20 *1 Advanced control adaptor for external fan speed control, outdoor air control, and Modbus integration	426,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

*1) At least one and maximum two control devices must be used for operation of the system - the system will not operate without a controller.

Outlook	Price €
CE.B 2-COVERS-H50 Optional covers for suspension racks; maximum suspension height of 50cm; for 100, 150, 200cm units	381,-
CE.B 3-COVERS-H50 Optional covers for suspension racks; maximum suspension height of 50cm; for 250cm units	518,-
CE.B 2-COVERS-H100 Optional covers for suspension racks; maximum suspension height of 100cm; for 100, 150, 200cm units	403,-
CE.B 3-COVERS-H100 Optional covers for suspension racks; maximum suspension height of 100cm; for 250cm units	565,-
CE.B 2-COVERS-H150 Optional covers for suspension racks; maximum suspension height of 150cm; for 100, 150, 200cm units	489,-
CE.B 3-COVERS-H150 Optional covers for suspension racks; maximum suspension height of 150cm; for 250cm units	691,-



VAM-FC & VAM-J

Heat Reclaim Ventilation (HRV) Units

Heat Reclaim Ventilation can save over 20% of energy compared to natural ventilation.



HRV unit		VAM150FC	VAM250FC	VAM350J	VAM500J	VAM650J	VAM800J	VAM1000J	VAM1500J	VAM2000J
Air flow rate	m ³ /h	150	250	350	500	650	800	1000	1500	2000
External static pressure (max.)	Pa	90	80	150	120	120	200	170	200	170
SEC class		B	B	-	-	-	-	-	-	-
Electric power input at max fan speed	W	129	160	97	164	222	303	416	548	833
Sound level	dB	40,0	43,0	51,0	54,0	58,0	58,0	61,0	62,0	65,0
Price	€	1.246,-	1.355,-	1.838,-	1.979,-	2.573,-	2.871,-	3.473,-	5.190,-	6.541,-

All VAM models are LOT6 compliant, please check the databook for detailed technical specs.

Standard Accessories

Air filter (class G3)

Optional Accessories

Control		Price €
BRC301B61	Wired remote controller for HRV	159,-
BRC1D52	Basic wired remote controller (for combined control together with standard VRV indoor units)	94,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization functions for Slovakian and Albanian	143,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out.	164,-
RTD-10	Universal control adaptor	356,-
RTD-NET	Modbus adaptor	266,-
RTD-20	Advanced control adaptor for VAM control based on CO ₂ or presence sensor input	426,-

BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.

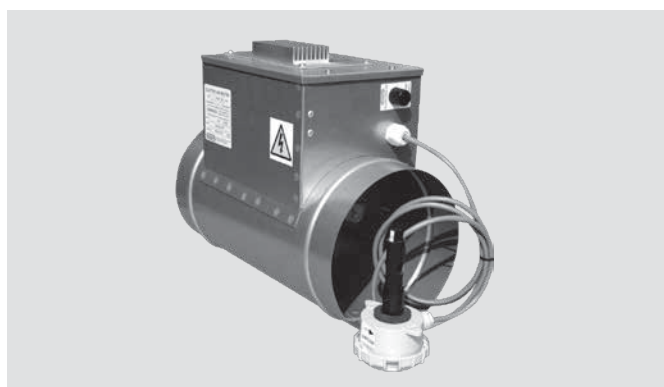
Other		Price €
BRP4A50	Control kit for auxiliary 3rd party heater (not necessary for VH- heaters shown below) - only for VAM150/250FC units	150,-
BRP4A50A *1	Control kit for auxiliary 3rd party heater or humidifier (not necessary for VH- heaters shown below) - not for VAM150/250FC units.	150,-
KRP50-2	Adaptor PCB for 3rd party humidifier control / for operation signal output - only for VAM150/250FC units	220,-
EKAFVJ50F6	M6-class high efficiency filter - for VAM350~500J units	144,-
EKAFVJ65F6	M6-class high efficiency filter - for VAM650 units	161,-
EKAFVJ100F6	M6-class high efficiency filter - for VAM800J & VAM1000J units; two kits are necessary for VAM1500~2000J units	193,-
EKAFVJ50F7	F7-class high efficiency filter - for VAM350~500J units	158,-
EKAFVJ65F7	F7-class high efficiency filter - for VAM650 units	177,-
EKAFVJ100F7	F7-class high efficiency filter - for VAM800J & VAM1000J units; two kits are necessary for VAM1500~2000J units	212,-
EKAFVJ50F8	F8-class high efficiency filter - for VAM350~500J units	177,-
EKAFVJ65F8	F8-class high efficiency filter - for VAM650 units	196,-
EKAFVJ100F8	F8-class high efficiency filter - for VAM800J & VAM1000J units; two kits are necessary for VAM1500~2000J units	235,-
BRYPMA65	CO ₂ sensor for demand-controlled ventilation - for VAM350~650J units	592,-
BRYPMA100	CO ₂ sensor for demand-controlled ventilation - for VAM800~1000J units	592,-
BRYPMA200	CO ₂ sensor for demand-controlled ventilation - for VAM1500~2000J units	592,-
KDDM24B100	Silencer for 250 mm round duct - for VAM650~1000J units; two kits are necessary for VAM1500~2000J units	801,-
*1) EKMPVAM	Mounting plate for control kit - only necessary for VAM1500~2000J units	57,-
*1) EKMP65VAM	Mounting plate for control kit only necessary for VAM650J unit	57,-
KDDM24B50	Silencer for 200 mm round duct for VAM500J unit	801,-
EKPLEN200	plenum for VAM1500~2000J units - contains 1 plenum for half side (up to 4 plenums can be used on a single unit)	115,-

VH

Electrical heaters for use with VAM units

Electrical heaters with integrated control and safety devices for pre- or post-heating fresh air entering or exiting the VAM units.

- › Adjustable discharge set-point in the range of 0°C ~ 40°C
- › Output relay contact for error indication
- › 0-10VDC input for external set-point control
- › Increased safety with manual & automatic cut-outs
- › Control fully adjusted for Daikin VAM units - no additional control adaptors on the VAM units required



Type		VH1B	VH2B	VH3B	VH4B	VH4/AB	VH5B*
Heating capacity	kW	1,0	1,0	1,0	1,5	2,5	2,5
Diameter	mm	100	150	200	250	250	350
Applicable VAM units		VAM150FC	VAM250FC	VAM350J VAM500J	VAM650J VAM800J VAM1000J	VAM650J VAM800J VAM1000J	VAM1500J VAM2000J
Price	€	837,-	845,-	850,-	913,-	921,-	921,-

* Available only with the optional plenum EKPLEN200

VKM-GB & VKM-GBM

VRV Heat Reclaim Ventilation (HRV) Units with DX coil

An HRV unit and a DX coil for pre-cooling or pre-heating in one.



HRV unit + DX coil		VKM50GB	VKM80GB	VKM100GB
Air flow rate	m/h	500	750	950
External static pressure (max.)	Pa	180	170	150
Cooling capacity (load on VRV system)	kW	3,5	5,6	7,0
Heating capacity (load on VRV system)	kW	3,5	5,6	7,0
Price	€	3.060,-	4.239,-	4.844,-

HRV unit + DX coil + humidifier		VKM50GBM	VKM80GBM	VKM100GBM
Air flow rate	m/h	500	750	950
External static pressure (max.)	Pa	160	140	110
Cooling capacity (load on VRV system)	kW	3,5	5,6	7,0
Heating capacity (load on VRV system)	kW	3,5	5,6	7,0
Humidification capacity	l/h	2,7	4,0	5,4
Price	€	3.693,-	5.058,-	5.692,-

Standard Accessories

Air filter (class G3)

Optional Accessories

Control		Price €
BRC1D52	Basic wired remote controller (for combined control together with standard VRV indoor units)	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out	164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian	143,-
RTD-10	Universal control adaptor	356,-
RTD-NET	Modbus adaptor	266,-
BRC1E53* & BRC1H51* duty rotation and backup functions only work with Seasonal Smart or Alpha Sky Air outdoor units.		
Other		Price €
BRP4A50A	Control kit for auxiliary 3rd party heater or humidifier	150,-
BRMA65	CO ₂ sensor for demand-controlled ventilation - for VKM50GB(M) units	592,-
BRMA100	CO ₂ sensor for demand-controlled ventilation - for VKM80~100GB(M) units	592,-
KDDM24B50	Silencer for 200 mm round duct - for VKM50GB(M) units	801,-
KDDM24B100	Silencer for 250 mm round duct - for VKM80~100GB(M) units	801,-








ALB-R/LB

Premium efficiency heat recovery ventilation unit

- › 6 Predefined sizes
- › Compliant with VDI 6022
- › Exceeding ERP 2018 requirement
- › Inverter driven with IE4 premium efficiency motor
- › Up to 700 Pa max. ESP, depending on the model size and airflow
- › Premium quality counter flow plate heat exchanger
- › High grade aluminum allowing high grade corrosion protection
- › Standard units below are provided with: Siemens (Microtech) controller, aluminium counterflow plate heat exchanger, F7 filter on supply air , M5 filter on return air, step panel 50 mm of thickness mineral wool insulated

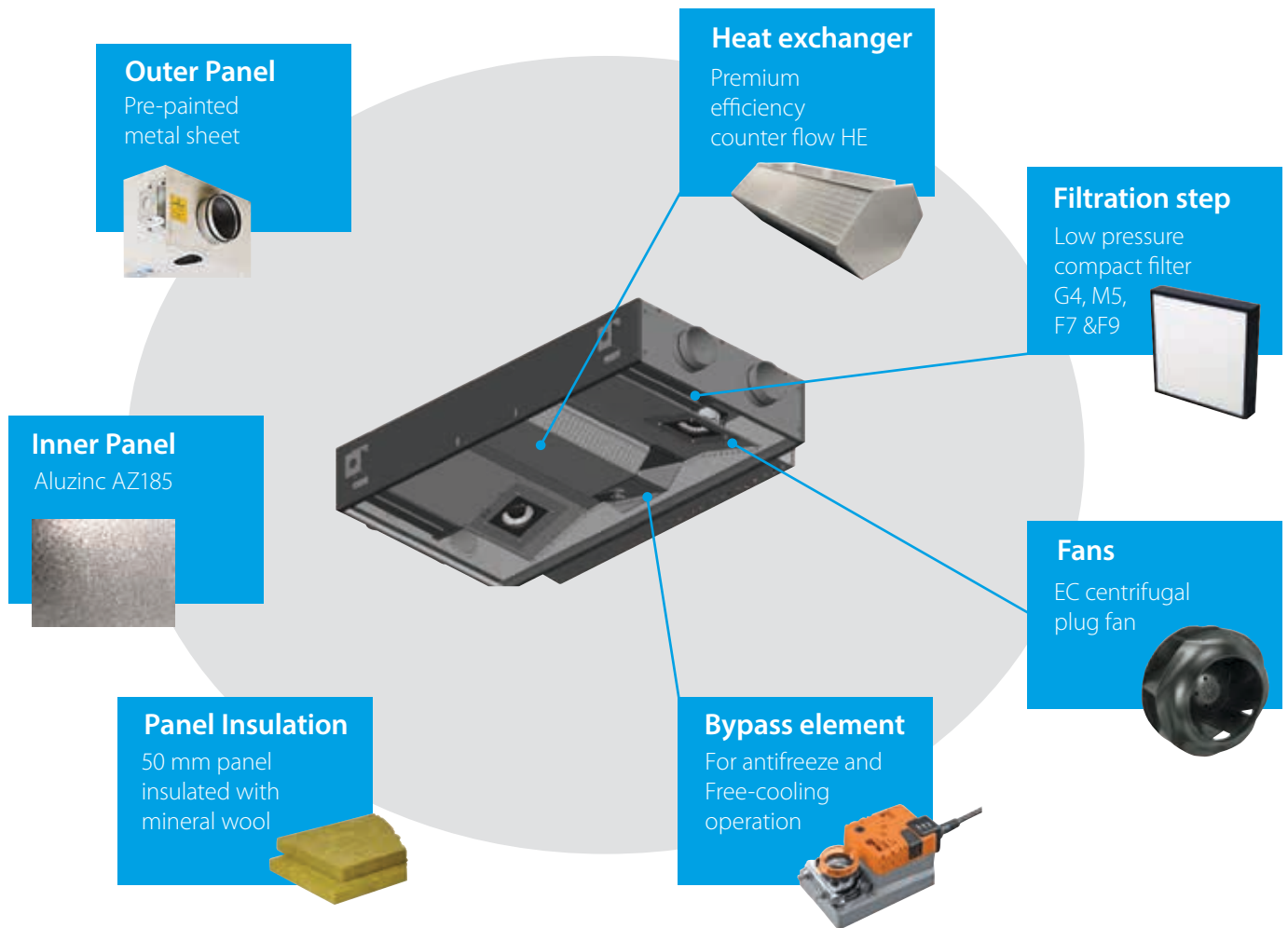


NEW	HRV unit ⁽¹⁾		ALB02(R/L)B	ALB03(R/L)B	ALB04(R/L)B	ALB05(R/L)B	ALB06(R/L)B	ALB07(R/L)B
	Price	€	7.934,-	9.356,-	12.250,-	13.716,-	17.559,-	18.688,-
	Airflow	m³/h	300	600	1200	1500	2500	3000
	Thermal efficiency	%	89	89	89	89	90	89
	External static pressure	Nom. Pa	100	100	100	100	100	100
	Current	Nom. A	0.49	1.09	2.17	2.72	5.28	6.52
	Power input	Nom. kW	0.11	0.25	0.5	0.63	1.22	1.5
	SFPv	kW/m³/s	1.35	1.5	1.5	1.5	1.75	1.8
	Max ESP	Nom. Pa	300	700	500	350	550	450
	Electrical supply	Phase	ph	1	1	1	1	1
		Frequency	Hz	50	50	50	50	50
		Voltage	V	230	230	230	230	230
	Dimensions unit	Width	mm	920	1100	1600	1600	2000
		Height	mm	280	350	415	415	500
		Length	mm	1660	1800	2000	2000	2000
	Weight unit	kg	125	180	270	280	355	360

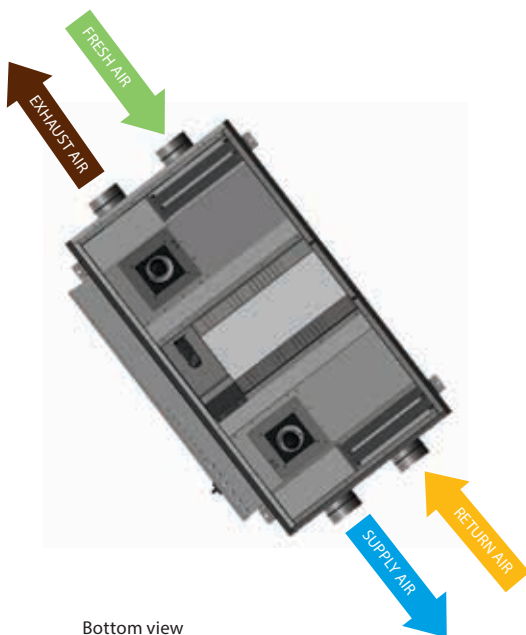
Accessories for ALB-(R/L)B		02	03	04	05	06	07
	Compact filter (G4,M5,F7,F9)	ALF02G4A	ALF03G4A	ALF05G4A		ALF07G4A	
		37,-	43,-	53,-		60,-	
		ALF02M5A	ALF03M5A	ALF05M5A		ALF07M5A	
		110,-	150,-	207,-		250,-	
		ALF02F7A	ALF03F7A	ALF05F7A		ALF07F7A	
		113,-	160,-	210,-		253,-	
		ALF02F9A	ALF03F9A	ALF05F9A		ALF07F9A	
	Silencer 900 mm depth	123,-	170,-	223,-		260,-	
		ALS0290A	ALS0390A	ALS0590A		ALS0790A	
		420,-	613,-	830,-		1.183,-	
	Probes - CO2	ALP00COA					
		927,-					
	Probes - Humidity (%RH)	ALP00HUA					
		533,-					
		ALP00TEA					
	Probes - Temperature	110,-					
	Coil module - Electric pre - heating	ALD02HEFA 2.467,-	ALD03HEFA 2.573,-	ALD05HEFA 3.430,-		ALD07HEFA 4.493,-	
	Coil module - Electric post - heating	ALD02HESA 2.503,-	ALD03HESA 2.637,-	ALD05HESA 4.077,-		ALD07HESA 4.493,-	
	Coil module - Water cooling (post - heating)	ALD02CWSA 1.643,-	ALD03CWSA 1.900,-	ALD05CWSA 2.293,-		ALD07CWSA 3.140,-	
	Coil module - Water heating (pre/post - heating)	ALD02HWUA 743,-	ALD03HWUA 780,-	ALD05HWUA 1.110,-		ALD07HWUA 1.530,-	
	Rail	ALA02RLA 260,-	ALA03RLA 280,-	ALA05RLA 317,-		ALA07RLA 343,-	
	2-way valve water heating	ALV02HW2A 100,-	ALV03HW2A 110,-	ALV05HW2A 147,-		ALV07HW2A 160,-	
	3-way valve water heating	ALV02HW3A 123,-	ALV03HW3A 147,-	ALV05HW3A 160,-		ALV07HW3A 170,-	
	2-way valve water cooling	ALV02CW2A 100,-	ALV03CW2A 110,-	ALV05CW2A 147,-		ALV07CW2A 160,-	
	3-way valve water cooling	ALV02CW3A 123,-	ALV03CW3A 147,-	ALV05CW3A 160,-		ALV07CW3A 170,-	
	Modulating actuator	ALE00AMVA					
		On Request					
	Module Bacnet Pol 908	ALC00908A					
		On Request					
	Module Modbus Pol 902	ALC00902A					
		On Request					
	Pol 822 Room unit	ALC00822A					
		On Request					
	Module Pol 895 (Commissioning tool)	ALC00895A					
		On Request					

Notes: (1) Preliminary data; R= right connection and L= left connection; nominal condition: Outdoor: -10°C,90% Indoor: 22°C,50%

Modular Light unique features



Accessories



Possible position of the element		FRESH AIR ↓	SUPPLY AIR ↑	EXHAUST AIR ↑	RETURN AIR ↓
	Compact filter	✓			✓
	Silencer	✓	✓	✓	✓
	CO2 sensor				✓
	Humidity sensor		✓		✓
	Electric coil	✓	✓		
	Water coil (2&3 way valve)	✓*	✓		

* Heating only

VRV IV Heat Pump with continuous heating

RYYQ-T & RYMQ-T

The new standard in the market, with Variable Refrigerant Temperature control & Continuous Heating During Defrost
The VRV IV heat pump is the successor to the VRV III heat pump (RXYQ-P9 and RXYHQ-P9) and to the VRV III heat pump for connection with stylish indoor units (RXYRQ-P)



Units for single-module systems

Type for 3N~ 400V power supply		RYYQ8T	RYYQ10T	RYYQ12T	RYYQ14T	RYYQ16T	RYYQ18T	RYYQ20T
Nominal cooling capacity	kW	22,4	28,0	33,5	40,0	45,0	50,0	56,0
Nominal heating capacity	kW	25,0	31,5	37,5	45,0	50,0	56,0	63,0
Price	€	8.538,-	9.340,-	11.209,-	13.076,-	15.285,-	16.983,-	19.666,-

Standard multi-module combinations

Type for 3N~ 400V power supply		RYYQ22T.OU	RYYQ24T.OU	RYYQ26T.OU	RYYQ28T.OU	RYYQ30T.OU
Modules and kits required		RYMQ10T RYMQ12T BHFQ22P1007	RYMQ8T RYMQ16T BHFQ22P1007	RYMQ12T RYMQ14T BHFQ22P1007	RYMQ12T RYMQ16T BHFQ22P1007	RYMQ12T RYMQ18T BHFQ22P1007
Nominal cooling capacity	kW	61,5	67,4	73,5	78,5	83,5
Nominal heating capacity	kW	69,0	75,0	82,5	87,5	93,5
Set Price	€	19.761,-	22.886,-	23.326,-	25.435,-	27.058,-

Type for 3N~ 400V power supply		RYYQ32T.OU	RYYQ34T.OU	RYYQ36T.OU	RYYQ38T.OU	RYYQ40T.OU	RYYQ42T.OU
Modules and kits required		RYMQ16T RYMQ16T BHFQ22P1007	RYMQ16T RYMQ18T BHFQ22P1007	RYMQ16T RYMQ20T BHFQ22P1007	RYMQ8T RYMQ10T RYMQ20T BHFQ22P1517	RYMQ10T RYMQ12T RYMQ18T BHFQ22P1517	RYMQ10T RYMQ16T RYMQ16T BHFQ22P1517
Nominal cooling capacity	kW	90,0	95,0	101,0	106,4	111,5	118,0
Nominal heating capacity	kW	100,0	106,0	113,0	119,5	125,0	131,5
Set Price	€	29.326,-	30.949,-	32.945,-	35.519,-	36.072,-	38.340,-

Type for 3N~ 400V power supply		RYYQ44T.OU	RYYQ46T.OU	RYYQ48T.OU	RYYQ50T.OU	RYYQ52T.OU	RYYQ54T.OU
Modules and kits required		RYMQ12T RYMQ16T RYMQ16T BHFQ22P1517	RYMQ14T RYMQ16T RYMQ16T BHFQ22P1517	RYMQ16T RYMQ16T RYMQ16T BHFQ22P1517	RYMQ16T RYMQ16T RYMQ18T BHFQ22P1517	RYMQ16T RYMQ18T RYMQ18T BHFQ22P1517	RYMQ18T RYMQ18T RYMQ18T BHFQ22P1517
Nominal cooling capacity	kW	123,5	130,0	135,0	140,0	145,0	150,0
Nominal heating capacity	kW	137,5	145,0	150,0	156,0	162,0	168,0
Set Price	€	40.123,-	41.905,-	44.014,-	45.637,-	47.260,-	48.883,-

Units for multi-module combinations

IMPORTANT: The units below can not be used stand-alone (i.e. for single-module systems)

Type for 3N~ 400V power supply		RYMQ8T	RYMQ10T	RYMQ12T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ20T
Nominal cooling capacity	kW	22,4	28,0	33,5	40,0	45,0	50,0	56,0
Nominal heating capacity	kW	25,0	31,5	37,5	45,0	50,0	56,0	63,0
Price	€	8.150,-	8.916,-	10.699,-	12.481,-	14.590,-	16.213,-	18.209,-

Other combinations than the listed „Standard combinations“ above are allowed, including 16~20HP systems, but system piping limitations are shorter (see Table 8 on page 47). Systems over 54HP or with more than 3 modules are not allowed.

Optional Accessories

		Price €
BHFQ22P1007	Multi-module connection kit for 2-module systems (obligatory for 2-module systems - included in above set prices)	146,-
BHFQ22P1517	Multi-module connection kit for 3-module systems (obligatory for 3-module systems - included in above set prices)	244,-
EKPCAB3	VRV Configurator	317,-
BRP2A81 *1	A-B-C contact PCB for switching between cooling and heating from the outdoor unit	179,-
DTA104A53/61/62 *2	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
EKBPH012T *3	Optional bottom-plate heater - for 8~12 HP units (Caution: EKBPHPCBT (*3) option is necessary)	655,-
EKBPH020T *3	Optional bottom-plate heater - for 14~20 HP units (Caution: EKBPHPCBT (*3) option is necessary)	681,-
KRC19-26 *4	Mechanical cool/heat selector (Caution: BRP2A81 option is necessary)	51,-
*1) KKSZA26A560	Mounting plate for BRP2A81 - only necessary when also utilizing EKBPHPCBT on 14~20 HP units	93,-
2) KKSBA26B1	Mounting plate for DTA104A61 for installation inside 14~20 HP outdoor units. See page 40 for DTA104 adaptor details and possibilities to install in indoor units.	75,-
*3) EKBPHPCBT	Control PCB for optional bottom-plate heater	159,-
*4) KJB111A	Fixing box for mechanical cool/heat selector	31,-

VRV IV Heat Pump (without continuous heating)

RXYQ-T

The new standard in the market, with Variable Refrigerant Temperature control

The VRV IV heat pump is the successor to the VRV III heat pump (RXYQ-P9 and RXYHQ-P9) and to the VRV III heat pump for connection with stylish indoor units (RXYRQ-P)



Single-module systems

Type for 3N~ 400V power supply		RXYQ8T9	RXYQ10T	RXYQ12T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ20T
Nominal cooling capacity	kW	22,4	28,0	33,5	40,0	45,0	50,0	56,0
Nominal heating capacity	kW	25,0	31,5	37,5	45,0	50,0	56,0	63,0
Price	€	7.762,-	8.491,-	10.190,-	11.888,-	13.895,-	15.927,-	17.877,-

Standard multi-module combinations

Type for 3N~ 400V power supply		RXYQ22T.OU	RXYQ24T.OU	RXYQ26T.OU	RXYQ28T.OU	RXYQ30T.OU
Modules and kits required		RXYQ10T RXYQ12T BHFQ22P1007	RXYQ8T9 RXYQ16T BHFQ22P1007	RXYQ12T RXYQ14T BHFQ22P1007	RXYQ12T RXYQ16T BHFQ22P1007	RXYQ12T RXYQ18T BHFQ22P1007
Nominal cooling capacity	kW	61,5	67,4	73,5	78,5	83,5
Nominal heating capacity	kW	69,0	75,0	82,5	87,5	93,5
Set Price	€	18.827,-	21.803,-	22.224,-	24.231,-	26.263,-

Type for 3N~ 400V power supply		RXYQ32T.OU	RXYQ34T.OU	RXYQ36T.OU	RXYQ38T.OU	RXYQ40T.OU	RXYQ42T.OU
Modules and kits required		RXYQ16T RXYQ16T BHFQ22P1007	RXYQ16T RXYQ18T BHFQ22P1007	RXYQ16T RXYQ20T BHFQ22P1007	RXYQ8T9 RXYQ10T RXYQ20T BHFQ22P1517	RXYQ10T RXYQ12T RXYQ18T BHFQ22P1517	RXYQ10T RXYQ16T RXYQ16T BHFQ22P1517
Nominal cooling capacity	kW	90,0	95,0	101,0	106,4	111,5	118,0
Nominal heating capacity	kW	100,0	106,0	113,0	119,5	125,0	131,5
Set Price	€	27.936,-	29.968,-	31.918,-	34.374,-	34.852,-	36.525,-

Type for 3N~ 400V power supply		RXYQ44T.OU	RXYQ46T.OU	RXYQ48T.OU	RXYQ50T.OU	RXYQ52T.OU	RXYQ54T.OU
Modules and kits required		RXYQ12T RXYQ16T RXYQ16T BHFQ22P1517	RXYQ14T RXYQ16T RXYQ16T BHFQ22P1517	RXYQ16T RXYQ16T RXYQ16T BHFQ22P1517	RXYQ16T RXYQ16T RXYQ18T BHFQ22P1517	RXYQ16T RXYQ18T RXYQ18T BHFQ22P1517	RXYQ18T RXYQ18T RXYQ18T BHFQ22P1517
Nominal cooling capacity	kW	123,5	130,0	135,0	140,0	145,0	150,0
Nominal heating capacity	kW	137,5	145,0	150,0	156,0	162,0	168,0
Set Price	€	38.224,-	39.922,-	41.929,-	43.961,-	45.993,-	48.025,-

Other combinations than the listed „Standard combinations“ above are allowed, including 16~20HP systems, but system piping limitations are shorter (see Table 8 on page 47). Systems over 54HP or with more than 3 modules are not allowed.

Optional Accessories

		Price €
BHFQ22P1007	Multi-module connection kit for 2-module systems (obligatory for 2-module systems - included in above set prices)	146,-
BHFQ22P1517	Multi-module connection kit for 3-module systems (obligatory for 3-module systems - included in above set prices)	244,-
EKPCCAB3	VRV Configurator	317,-
BRP2A81 *1	A-B-C contact PCB for switching between cooling and heating from the outdoor unit	179,-
DTA104A53/61/62 *2	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
EKBPH012T *3	Optional bottom-plate heater - for 8~12 HP units (Caution: EKBPHPCBT (*3) option is necessary)	655,-
EKBPH020T *3	Optional bottom-plate heater - for 14~20 HP units (Caution: EKBPHPCBT (*3) option is necessary)	681,-
KRC19-26 *4	Mechanical cool/heat selector (Caution: BRP2A81 option is necessary)	51,-
*1) KKS2A26A560	Mounting plate for BRP2A81 - only necessary when also utilizing EKBPHPCBT on 14~20 HP units	93,-
2) KKS2B26B1	Mounting plate for DTA104A61 for installation inside 14~20 HP outdoor units. See page 40 for DTA104 adaptor details and possibilities to install in indoor units.	75,-
*3) EKBPHPCBT	Control PCB for optional bottom-plate heater	159,-
*4) KJB111A	Fixing box for mechanical cool/heat selector	31,-
DE.WINPROVRV6	Wind protection left & right sides for 8,10,12,14,16,18,20 HP models	2.019,-
DE.WINPROVRV7	Wind protection back side for 8,10,12 HP model	658,-
DE.WINPROVRV8	Wind protection back side for 14,16,18,20 HP model	712,-
DE.WINPROVRV9	Wind protection front side for 8,10,12 HP model	451,-
DE.WINPROVRV10	Wind protection front side for 14,16,18,20 HP model	445,-

VRV IV S-Series

Mini VRV Compact

RXYSCQ-T

The most compact VRV and lightweight single fan design saves space and is easy to install. Incorporates VRV IV standards & technologies such as Variable Refrigerant Temperature. Available in single phase only.



Type for 1~230V power supply		RXYSCQ4TV1	RXYSCQ5TV1
Cooling capacity	kW	12.1	14.0
Heating capacity	kW	14.2	16.0
Price	€	3.855,-	4.281,-

Optional Accessories

		Price €
DTA104A53/61/62 *1	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
BPMKS967A2	Branch Provider box for connecting up to 2 Split or SkyAir indoor units (VRV indoor units can not be used on entire system)	720,-
BPMKS967A3	Branch Provider box for connecting up to 3 Split or SkyAir indoor units (VRV indoor units can not be used on entire system)	767,-

*1) See page 40 for details and exact adaptor type selection (for indoor unit installation, depend on indoor unit)

Mini VRV

RXYSQ-T

System for large residential / light commercial applications, providing individual climate control for up to 9 indoor units. VRV IV S-Series (RXYSQ-T) enhanced with VRV IV technologies such as Variable Refrigerant Temperature is available up to 12 HP.



VRV IV S-Series

RXYSQ-T

Type for 1~230V power supply		RXYSQ4T8V	RXYSQ5T8V	RXYSQ6T8V
Cooling capacity	kW	12.1	14.0	15.5
Heating capacity	kW	14.2	16.0	18.0
Price	€	3.855,-	4.281,-	4.779,-

Type for 3N~400V power supply		RXYSQ4T8Y	RXYSQ5T8Y	RXYSQ6T8Y	RXYSQ8TY1	RXYSQ10TY1	RXYSQ12TY1
Cooling capacity	kW	12.1	14.0	15.5	22.4	28.0	33.5
Heating capacity	kW	14.2	16.0	18.0	25.0	31.5	37.5
Price	€	3.855,-	4.281,-	4.779,-	5.863,-	6.442,-	7.048,-

Optional Accessories

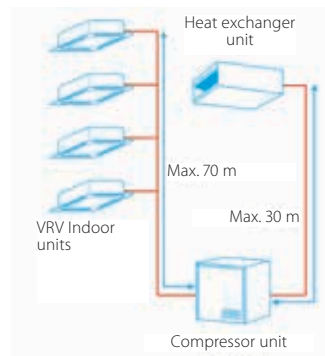
		Price €
EBRP2B	Cool/heat selector PCB only for RXYSQ-T8V models	117,-
KRC19-26 *1	Mechanical cool/heat selector only for RXYSQ4-5-6T models	51,-
DTA104A53/61/62 *2	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
BPMKS967A2	Branch Provider box for connecting up to 2 Split or SkyAir indoor units (VRV indoor units can not be used on entire system)	720,-
BPMKS967A3	Branch Provider box for connecting up to 3 Split or SkyAir indoor units (VRV indoor units can not be used on entire system)	767,-
*1) KJB111A	Fixing box for mechanical cool/heat selector only for RXYSQ4-5-6T models	31,-

*2) See page 40 for details and exact adaptor type selection (for indoor unit installation, depend on indoor unit)

VRV IV heat pump for indoor installation

SB.RKXYQ-T(8)

Unique VRV heat pump for indoor installation Highly suited to densely populated areas thanks to the low operation sound and seamless integration into surrounding architecture as only the grille is visible.

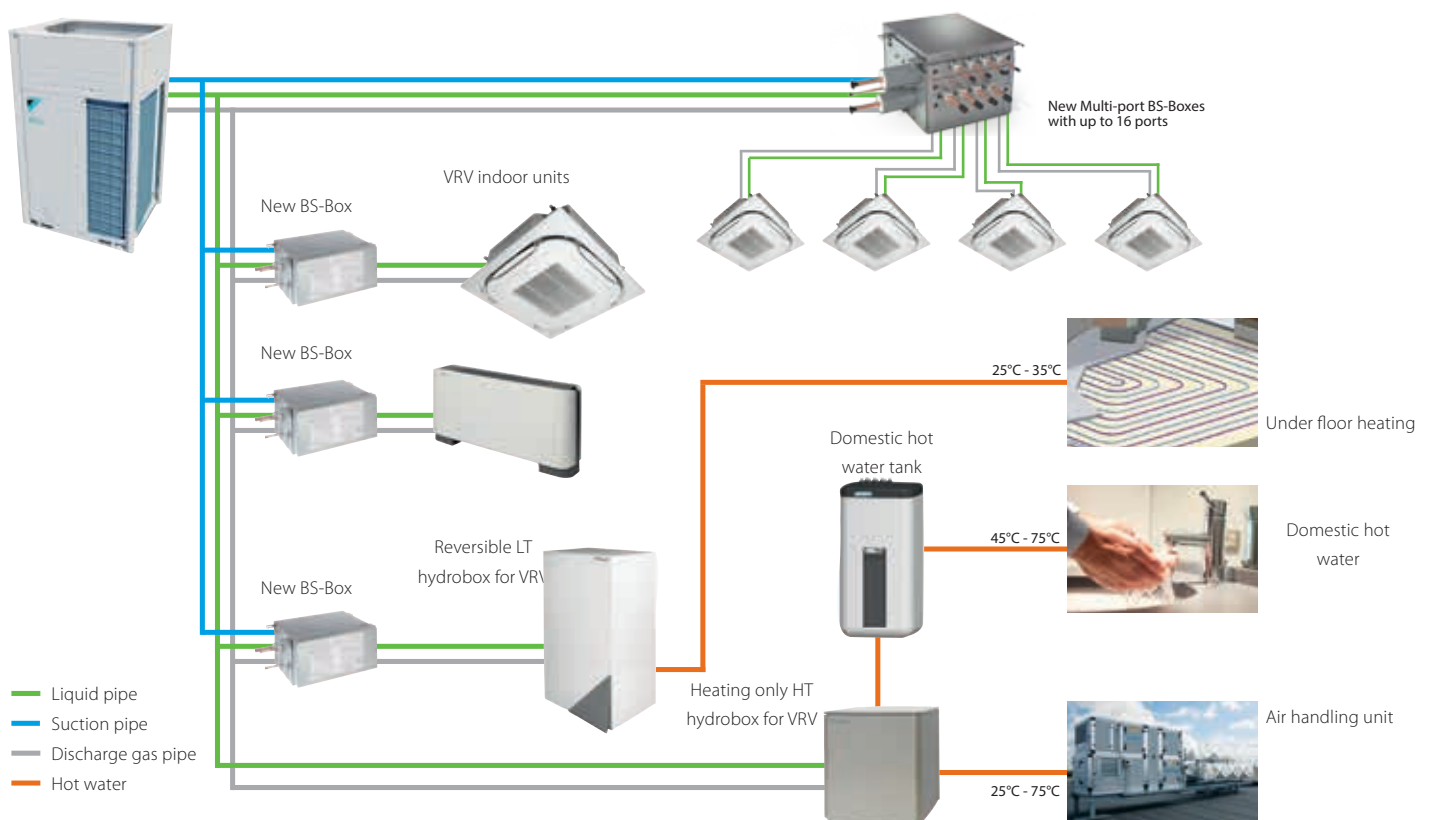


Sytem				SB.RKXYQ5T8		SB.RKXYQ8T	
				RKXYQ5T8 (compressor unit)	RDXYQ5T8 (heat exchanger unit)	RKXYQ8T (compressor unit)	RDXYQ8T (heat exchanger unit)
Nominal cooling capacity		kW	14,0		21,4		
Nominal heating capacity		kW	14,0		21,4		
Power supply		Hz/V	3N~/50/380-415	1N~/50/220-240	3N~/50/380-415	1N~/50/220-240	
Sound pressure level		dBA	47	47	47	46	
Dimensions		H x W x D (mm)	701/600/554	397/1456/1044	701/600/554	397/1,456/1,044	
Weight		kg	77	97	77	97	
External static pressure		Nom/Max Pa	60/150				
Operation range	Cooling	Min.~Max. °CDB	-5~46		-5~46		
	Heating	Min.~Max. °CDB	-20~15,5		-20~15,5		
Price per part		€	4.424,-	3.337,-	4.841,-	3.651,-	
Price total system		€	7.761,-		8.492,-		

Optional Accessories

		Price €
EKPCCAB3	VRV Configurator	317,-
KRC19-26 *1	Mechanical cool/heat selector (Caution: BRP2A81 option is necessary)	51,-
DTA104A53/61/62 *2	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
*1) KJB111A	Fixing box for mechanical cool/heat selector	31,-
EKDPH1RDX	Drain pan heater	129,-

*2) See page 40 for details and exact adaptor type selection (for indoor unit installation, depend on indoor unit)



VRV IV Heat Recovery

REYQ-T

Efficiency redefined - The VRV IV Heat Recovery brings unrivaled efficiency under all operation regimes, unbeatable installation flexibility, and top-level indoor comfort.

The VRV IV Heat Recovery is the successor to the VRV III heat recovery (REYQ-P* and REYHQ-P*) and to the VRV III heat recovery into water system (REYAQ-P)



Single-module systems

Type for 3N~ 400V power supply		REYQ8T	REYQ10T	REYQ12T	REYQ14T	REYQ16T	REYQ18T	REYQ20T
Nominal cooling capacity	kW	22,4	28,0	33,5	40,0	45,0	50,0	56,0
Nominal heating capacity	kW	25,0	31,5	37,5	45,0	50,0	56,0	63,0
Price	€	8.983,-	10.000,-	11.996,-	13.996,-	15.992,-	18.392,-	20.231,-

Single-module systems are not capable of continuous heating during defrost.

Low-capacity standard multi-module combinations

Type for 3N~ 400V power supply		M-REYQ10T.OU	M-REYQ13T.OU	M-REYQ16T.OU	M-REYQ18T.OU	M-REYQ20T.OU
Modules and kits required		REMQ5T REMQ5T BHFQ23P907	REMQ5T REYQ8T BHFQ23P907	REYQ8T REYQ8T BHFQ23P907	REYQ8T REYQ10T BHFQ23P907	REYQ8T REYQ12T BHFQ23P907
Nominal cooling capacity	kW	28,0	36,4	44,8	50,4	55,9
Nominal heating capacity	kW	32,0	41,0	50,0	56,5	62,5
Set Price	€	13.237,-	15.720,-	18.203,-	19.220,-	21.216,-

High-capacity standard multi-module combinations

Type for 3N~ 400V power supply		REYQ22T.OU	REYQ24T.OU	REYQ26T.OU	REYQ28T.OU	REYQ30T.OU
Modules and kits required		REYQ10T REYQ12T BHFQ23P907	REYQ8T REYQ16T BHFQ23P907	REYQ12T REYQ14T BHFQ23P907	REYQ12T REYQ16T BHFQ23P907	REYQ12T REYQ18T BHFQ23P907
Nominal cooling capacity	kW	61,5	67,4	73,5	78,5	83,5
Nominal heating capacity	kW	69,0	75,0	82,5	87,5	93,5
Set Price	€	22.233,-	25.212,-	26.229,-	28.225,-	30.625,-

Type for 3N~ 400V power supply		REYQ32T.OU	REYQ34T.OU	REYQ36T.OU	REYQ38T.OU	REYQ40T.OU	REYQ42T.OU
Modules and kits required		REYQ16T REYQ16T BHFQ23P907	REYQ16T REYQ18T BHFQ23P907	REYQ16T REYQ20T BHFQ23P907	REYQ8T REYQ12T REYQ18T BHFQ23P1357	REYQ10T REYQ12T REYQ18T BHFQ23P1357	REYQ10T REYQ16T REYQ16T BHFQ23P1357
Nominal cooling capacity	kW	90,0	95,0	101,0	106,4	111,5	118,0
Nominal heating capacity	kW	100,0	106,0	113,0	119,5	125,0	131,5
Set Price	€	32.221,-	34.621,-	36.460,-	39.846,-	40.863,-	42.459,-

Type for 3N~ 400V power supply		REYQ44T.OU	REYQ46T.OU	REYQ48T.OU	REYQ50T.OU	REYQ52T.OU	REYQ54T.OU
Modules and kits required		REYQ12T REYQ16T REYQ16T BHFQ23P1357	REYQ14T REYQ16T REYQ16T BHFQ23P1357	REYQ16T REYQ16T REYQ16T BHFQ23P1357	REYQ16T REYQ16T REYQ18T BHFQ23P1357	REYQ16T REYQ18T REYQ18T BHFQ23P1357	REYQ18T REYQ18T REYQ18T BHFQ23P1357
Nominal cooling capacity	kW	123,5	130,0	135,0	140,0	145,0	150,0
Nominal heating capacity	kW	137,5	145,0	150,0	156,0	162,0	168,0
Set Price	€	44.455,-	46.455,-	48.451,-	50.851,-	53.251,-	55.651,-

Other combinations than the listed „standard combinations“ above are allowed, but system piping limitations are shorter (see Table 8 on page 47)

Systems over 54HP or with more than 3 modules are not allowed.

Optional Accessories

		Price €
BHFQ23P907	Multi-module connection kit for 2-module systems (obligatory for 2-module systems - included in above set prices)	237,-
BHFQ23P1357	Multi-module connection kit for 3-module systems (obligatory for 3-module systems - included in above set prices)	475,-
EKPCAB3	VRV Configurator	317,-
DTA104A53/61/62 *1	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
EKBPH012T	Optional bottom-plate heater - for 8~12 HP units	655,-
EKBPH020T	Optional bottom-plate heater - for 14~20 HP units	681,-
1) KKS26B1	Mounting plate for DTA104A61 for installation inside 14~20 HP outdoor units. See page 40 for DTA104 adaptor details and possibilities to install in indoor units.	75,-
DE.WINPROVRV6	Wind protection left & right sides for 8,10,12,14,16,18,20 HP models	2.019,-
DE.WINPROVRV7	Wind protection back side for 8,10,12 HP model	658,-
DE.WINPROVRV8	Wind protection back side for 14,16,18,20 HP model	712,-
DE.WINPROVRV9	Wind protection front side for 8,10,12 HP model	451,-
DE.WINPROVRV10	Wind protection front side for 14,16,18,20 HP model	445,-

VRV IV-Q Replacement VRV Heat Pump

RXYQQ-T

The Replacement VRV is an economic, quick and comfortable way to convert from an R22 VRF system to one using the latest technology available.



Units for single-module systems

Type for 3N~ 400V power supply		RXYQQ8T	RXYQQ10T	RXYQQ12T	RXYQQ14T	RXYQQ16T	RXYQQ18T	RXYQQ20T
Nominal cooling capacity	kW	22,4	28,0	33,5	40,0	45,0	50,0	56,0
Nominal heating capacity	kW	25,0	31,5	37,5	45,0	50,0	56,0	63,0
Price	€	9.626,-	10.531,-	12.637,-	14.744,-	16.895,-	20.613,-	21.643,-

Standard multi-module combinations

Type for 3N~ 400V power supply		RXYQQ22T.OU	RXYQQ24T.OU	RXYQQ26T.OU	RXYQQ28T.OU	RXYQQ30T.OU
Modules and kits required		RXYQQ10T RXYQQ12T BHFQ22P1007	RXYQQ8T RXYQQ16T BHFQ22P1007	RXYQQ12T RXYQQ14T BHFQ22P1007	RXYQQ12T RXYQQ16T BHFQ22P1007	RXYQQ12T RXYQQ18T BHFQ22P1007
Nominal cooling capacity	kW	61,5	67,4	73,5	78,5	83,5
Nominal heating capacity	kW	69,0	75,0	82,5	87,5	93,5
Set Price	€	23.314,-	26.667,-	27.527,-	29.678,-	33.396,-

Type for 3N~ 400V power supply		RXYQQ32T.OU	RXYQQ34T.OU	RXYQQ36T.OU	RXYQQ38T.OU	RXYQQ40T.OU	RXYQQ42T.OU
Modules and kits required		RXYQQ16T RXYQQ16T BHFQ22P1007	RXYQQ16T RXYQQ18T BHFQ22P1007	RXYQQ16T RXYQQ20T BHFQ22P1007	RXYQQ8T RXYQQ10T RXYQQ20T BHFQ22P1517	RXYQQ10T RXYQQ12T RXYQQ18T BHFQ22P1517	RXYQQ10T RXYQQ16T RXYQQ16T BHFQ22P1517
Nominal cooling capacity	kW	90,0	95,0	101,0	106,4	111,5	118,0
Nominal heating capacity	kW	100,0	106,0	113,0	119,5	125,0	131,5
Set Price	€	33.936,-	37.654,-	38.684,-	42.044,-	44.025,-	44.565,-

Other combinations than the listed „Standard combination“ above are NOT allowed.

Optional Accessories

		Price €
BHFQ22P1007	Multi-module connection kit for 2-module systems (obligatory for 2-module systems - included in above set prices)	146,-
BHFQ22P1517	Multi-module connection kit for 3-module systems (obligatory for 3-module systems - included in above set prices)	244,-
EKPCCAB3	VRV Configurator	317,-
BRP2A81	A-B-C contact PCB for switching between cooling and heating from the outdoor unit	179,-
KRC19-26 *1	Mechanical cool/heat selector (Caution: BRP2A81 option is necessary)	51,-
DTA104A53/61/62 *2	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
*1) KJB111A	Fixing box for mechanical cool/heat selector	31,-

*2) See page 40 for details and exact adaptor type selection (for indoor unit installation, depend on indoor unit)

VRV III-Q Replacement VRV Heat Recovery

RQCEQ-P3

The Replacement VRV is an economic, quick and comfortable way to convert from an R22 VRF system to one using the latest technology available.



Multi-module systems

Type for 3N~ 400V power supply		RQCEQ280P3.OU	RQCEQ360P3.OU	RQCEQ460P3.OU	RQCEQ500P3.OU	RQCEQ540P3.OU
Capacity class	HP	10	13	16	18	20
Modules and kits required		RQEQ140P3 RQEQ140P3 BHFP26P36C	RQEQ180P3 RQEQ180P3 BHFP26P36C	RQEQ140P3 RQEQ140P3 RQEQ180P3 BHFP26P63C	RQEQ140P3 RQEQ180P3 RQEQ180P3 BHFP26P63C	RQEQ180P3 RQEQ180P3 RQEQ180P3 BHFP26P63C
Nominal cooling capacity	kW	28,0	36,0	46,0	50,0	54,0
Nominal heating capacity	kW	32,0	40,0	52,0	56,0	60,0
Set Price	€	16.229,-	22.597,-	27.690,-	30.874,-	34.058,-

Type for 3N~ 400V power supply		RQCEQ636P3.OU	RQCEQ712P3.OU	RQCEQ744P3.OU	RQCEQ816P3.OU	RQCEQ848P3.OU
Capacity class	HP	22	24	26	28	30
Modules and kits required		RQEQ212P3 RQEQ212P3 RQEQ212P3 BHFP26P63C	RQEQ140P3 RQEQ180P3 RQEQ180P3 RQEQ212P3 BHFP26P84C	RQEQ140P3 RQEQ180P3 RQEQ212P3 RQEQ212P3 BHFP26P84C	RQEQ180P3 RQEQ212P3 RQEQ212P3 RQEQ212P3 BHFP26P84C	RQEQ212P3 RQEQ212P3 RQEQ212P3 RQEQ212P3 BHFP26P84C
Nominal cooling capacity	kW	63,6	71,2	74,4	81,6	84,8
Nominal heating capacity	kW	67,2	78,4	80,8	87,2	89,6
Set Price	€	60.332,-	50.984,-	59.742,-	71.684,-	80.442,-

Optional Accessories

		Price €
BHFP26P36C	Multi-module connection kit for 2-module systems (obligatory for 2-module systems - included in above set prices)	305,-
BHFP26P63C	Multi-module connection kit for 3-module systems (obligatory for 3-module systems - included in above set prices)	620,-
BHFP26P84C	Multi-module connection kit for 4-module systems (obligatory for 4-module systems - included in above set prices)	826,-
BHGP26A1	Digital pressure gauge kit (only one kit per system necessary)	506,-
DTA104A53/61/62 *1	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-

*1) See page 40 for details and exact adaptor type selection (for indoor unit installation, depend on indoor unit)

VRV IV-W⁺ Water-cooled VRV

RWEYQ-T9

A unique system for unique applications with the most compact footprint in the market, allowing to make for example very low-noise solutions, solutions recovering heat from cooling operation into water, or solutions utilizing geothermal energy. Now can be used for hot water production (LT/HT) and with its unique zero dissipation technology; no need for ventilation at the installation place.



For standard and geothermal applications

Type for 3N~ 400V power supply		RWEYQ8T9	RWEYQ10T9	RWEYQ12T9	RWEYQ14T9
Nominal cooling capacity	kW	22,4	26,7	33,5	40,0
Nominal heating capacity	kW	25,0	31,5	37,5	45,0
Price	€	7.531,-	8.407,-	9.500,-	10.736,-

Note: *T9 series will be available from July 2017. Please use *T8 series until then.

Type for 3N~ 400V power supply		RWEYQ16T9.OU	RWEYQ18T9.OU	RWEYQ20T9.OU	RWEYQ22T9.OU	RWEYQ24T9.OU	RWEYQ26T9.OU	RWEYQ28T9.OU
Modules and kits required		RWEYQ8T9	RWEYQ8T9	RWEYQ8T9	RWEYQ10T9	RWEYQ8T9	RWEYQ12T9	RWEYQ14T9
		RWEYQ8T9	RWEYQ10T9	RWEYQ12T9	RWEYQ12T9	RWEYQ8T9	RWEYQ14T9	RWEYQ14T9
		Multi-kit *	Multi-kit *	Multi-kit *	Multi-kit *	Multi-kit *	Multi-kit *	Multi-kit *
Nominal cooling capacity	kW	44,8	50,4	55,9	61,5	67	73,5	80
Nominal heating capacity	kW	50,0	56,5	62,5	69	75,0	82,5	90
Set Price	€	15.062,-	15.938,-	17.031,-	17.907,-	22.593,-	20.236,-	21.472,-

Type for 3N~ 400V power supply		RWEYQ30T9.OU	RWEYQ32T9.OU	RWEYQ34T9.OU	RWEYQ36T9.OU	RWEYQ38T9.OU	RWEYQ40T9.OU	RWEYQ42T9.OU
Modules and kits required		RWEYQ8T9	RWEYQ8T9	RWEYQ8T9	RWEYQ12T9	RWEYQ12T9	RWEYQ12T9	RWEYQ14T9
		RWEYQ10T9	RWEYQ12T9	RWEYQ12T9	RWEYQ12T9	RWEYQ12T9	RWEYQ14T9	RWEYQ14T9
		RWEYQ12T9	RWEYQ12T9	RWEYQ14T9	RWEYQ12T9	RWEYQ14T9	RWEYQ14T9	RWEYQ14T9
		Multi-kit*	Multi-kit*	Multi-kit*	Multi-kit*	Multi-kit*	Multi-kit*	Multi-kit*
Nominal cooling capacity	kW	83,9	89,4	95,9	100,5	107	113,5	120
Nominal heating capacity	kW	94	100	107,5	112,5	120	127,5	135
Set Price	€	25.438,-	26.531,-	27.767,-	28.500,-	29.736,-	30.972,-	32.208,-

Note: Please refer to the databook for the most up-to-date data.

Multi-kits (*) - prices not included in above set prices

	2-module systems	3-module systems
Multi-module connection kit for Heat Pump use	BHFQ22P1007	BHFQ22P1517
Price	€ 146,-	244,-
Multi-module connection kit for Heat Recovery use	BHFQ23P907	BHFQ23P1357
Price	€ 237,-	475,-

Optional Accessories

Control		Price €
-	Water strainer kit included as standard with unit	Standard
EKPCCAB3	VRV Configurator	317,-
KRC19-26 *1	Mechanical cool/heat selector	51,-
DTA104A53/61/62 *2	External control adaptor for outdoor unit (Low Noise, Demand Limit, etc.)	470,-
*1) KJB111A	Fixing box for mechanical cool/heat selector	31,-

*2) See page 40 for details and exact adaptor type selection (for indoor unit installation, depend on indoor unit)

ERQ Inverter heat pump condensing units

ERQ-A

High efficiency inverter heat pump outdoor units for connection to DX heat exchangers in Air Handling Units (AHU) or to CYQ Air Curtains



Type for 1~ 230V power supply		ERQ100AV1	ERQ125AV1	ERQ140AV1
Capacity index		100	125	140
Nominal cooling capacity	kW	11,2	14,0	15,5
Nominal heating capacity	kW	12,5	16,0	18,0
Price	€	3.736,-	4.065,-	5.230,-

Type for 3N~ 400V power supply		ERQ125AW1	ERQ200AW1	ERQ250AW1
Capacity index		125	200	250
Nominal cooling capacity	kW	14,0	22,4	28,0
Nominal heating capacity	kW	16,0	25,0	31,5
Price	€	4.669,-	6.485,-	7.562,-

Notes:

- When using for connection to CYQ Air Curtains, select an ERQ outdoor unit with an equal or higher capacity index than the capacity index of the Air Curtain
- Specified capacity values are for evaporation temperature = 6 °C (cooling) / condensing temperature = 46 °C (heating), evaporator superheat = 5K, condenser sub-cool = 3K, on-coil temperature = 27 °CDB / 19 °CWB (cooling) / = 20 °CDB (heating)

Control box	EKEQDCB	EKEQFCBA
Control type	Daikin control	Free (External) control
Control options	Room temperature control [via Remote Controller (accessory) or via External room temperature sensor (accessory)] Return air temperature control (via a supplied thermistor)	<ul style="list-style-type: none"> • (X-Control): 0~10V direct capacity control (5V = maintain capacity, >5V colder air wanted, <5V warmer air wanted) • (Y-Control): Fixed evaporation / condensation temperature control • (W-Control): 0~10V linear capacity control (0V = 0% capacity, 10V = 100% capacity) • Connection ratio 50 ~ 110% (ERQ)
Price	€ 815,-	909,-

Notes:

- A control box is a necessary component of the system for AHU applications; it is not necessary for connection to CYQ Air Curtains
- A wired remote controller (Standard or Basic) is required for the EKEQDCB control box; for the EKEQFCBA box, it is optional (required for commissioning and servicing only)
- Switching between cooling/heating operation with the EKEQFCBA box must be done from the external control system, or via the optional KRC19-26 Cool/Heat selector

Expansion valve kit	Allowed heat exchanger capacity [kW]		Combinable units					Price €
	Minimum	Maximum	ERQ100-	ERQ125-	ERQ140-	ERQ200-	ERQ250-	
EKEXV63	6,3	7,8	•	•				176,-
EKEXV80	7,9	9,9	•	•	•			189,-
EKEXV100	10,0	12,3	•	•	•	•		195,-
EKEXV125	12,4	15,4	•	•	•	•	•	209,-
EKEXV140	15,5	17,6		•	•	•	•	214,-
EKEXV200	17,7	24,6				•	•	232,-
EKEXV250	24,7	30,8				•	•	247,-

Notes:

- An expansion valve kit is a necessary component of the system for AHU applications; it is not necessary for connection to CYQ Air Curtains,
- The expansion valve kit needs to be selected based on the nominal design of the AHU heat exchanger,
- The AHU heat exchanger needs to be designed for 40bar pressures, with an internal (refrigerant) volume between 0,3 and 8,3 l (not counting headers and distributors)
- Specified capacity values are for evaporation temperature = 6 °C (cooling) / condensing temperature = 46 °C (heating), evaporator superheat = 5K, condenser sub-cool = 3K, on-coil temperature = 27 °CDB / 19 °CWB (cooling) / = 20 °CDB (heating)

Unit-specific Accessories

		EKEQDCB	EKEQFCBA	Price €
BRC1D52	Basic wired remote controller with weekly timer	•	•	94,-
BRC1H51W/S/K	New premium wired remote controller with white/silver/black color - will fully replace BRC1E53* after stock out.			164,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria		•	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian		•	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian		•	143,-
KRP4A51	Adaptor for external monitoring/control	•		211,-
RTD-20	Adaptor for external monitoring/control with 0-10VDC linear capacity control	•		426,-
KRCS01-1	External room temperature sensor	•		84,-
KRC19-26	Mechanical cool/heat selector	•	•	51,-
KJB111A	Fixing box for cool/heat selector	•	•	31,-

Notes:

- A wired remote controller (Standard or Basic) is required for the EKEQDCB control box; for the EKEQFCBA box, it is optional (required for commissioning and servicing only)
- Switching between cooling/heating operation with the EKEQFCBA box must be done from the external control system, or via the optional KRC19-26 Cool/Heat selector



Daikin offers the widest range in DX ventilation in the market.

With a variety of ventilation solutions from small heat recovery ventilation to large scale air handling units we help provide a fresh, healthy and comfortable environment in offices, hotels, stores and other commercial environments.

Abluft

VRV refrigerant distribution for heat pump systems (2-pipe)



Daikin VRV Refnet Joints for 2-pipe systems

Refnet Joint for 2-pipe systems - imperial	KHRQ22M20T	KHRQ22M29T9	KHRQ22M64T	KHRQ22M75T
Capacity index	up to 200	201–290	291–640	> 640
Price	€ 102,-	138,-	166,-	203,-

Refnet Joint for 2-pipe systems - metric	KHRQM22M20T	KHRQM22M29T	KHRQM22M64T	KHRQM22M75T
Capacity index	up to 200	201–290	291–640	> 640
Price	€ 102,-	138,-	166,-	203,-

Daikin VRV Refnet Headers for 2-pipe systems

Refnet Header for 2-pipe systems - imperial	KHRQ22M29H	KHRQ22M64H	KHRQ22M75H
Capacity index	up to 290	291–640	> 640
Price	€ 192,-	238,-	312,-

Refnet Header for 2-pipe systems - metric	KHRQM22M29H	KHRQM22M64H	KHRQM22M75H
Capacity index	up to 290	291–640	> 640
Price	€ 192,-	238,-	312,-

VRV refrigerant distribution for heat recovery systems (3-pipe)



Daikin VRV Refnet Joints for 3-pipe systems

Refnet Joint for 3-pipe systems - imperial	KHRQ23M20T	KHRQ23M29T9	KHRQ23M64T	KHRQ23M75T
Capacity index	up to 200	201–290	291–640	> 640
Price	€ 132,-	152,-	248,-	343,-

Refnet Joint for 3-pipe systems - metric	KHRQM23M20T	KHRQM23M29T	KHRQM23M64T	KHRQM23M75T
Capacity index	up to 200	201–290	291–640	> 640
Price	€ 132,-	152,-	248,-	343,-

Daikin VRV Refnet Headers for 3-pipe systems

Refnet Header for 3-pipe systems - imperial	KHRQ23M29H	KHRQ23M64H	KHRQ23M75H
Capacity index	up to 290	291–640	> 640
Price	€ 269,-	327,-	462,-

Refnet Header for 3-pipe systems - metric	KHRQM23M29H	KHRQM23M64H	KHRQM23M75H
Capacity index	up to 290	291–640	> 640
Price	€ 269,-	327,-	462,-

Compact Single-port Branch Selector Box

VRV IV Heat Recovery

Note: these BS-Boxes can be used on VRV IV H/R (REYQ-T), Water-Cooled VRV IV (RWEYQ-T9) and Replacement VRV H/R (RQCEQ-P3) systems.



Type for 1~ 230V power supply	BS1Q10A	BS1Q16A	BS1Q25A
No. of connectable indoor units	1 ~ 6	1 ~ 8	1 ~ 8
Connectable capacity index	15 ~ 100	101 ~ 160	161 ~ 250
Allowed sizes of indoor units	15 ~ 100	15 ~ 140	15 ~ 250
Price	€ 464,-	730,-	1.108,-

Optional Accessories

		Price €
KRC19-26 *1	Mechanical cool/heat selector	51,-
DTA114A61	Adaptor for multi-tenant applications	188,-
EKBSVQLNP	Sound reduction kit (sound insulation)	172,-
*1) KJB111A	Fixing box for mechanical cool/heat selector	31,-

Compact Multi-port Branch Selector Box

VRV IV Heat Recovery

Note: these BS-Boxes can be used on VRV IV H/R (REYQ-T), Water-Cooled VRV IV (RWEYQ-T9) and Replacement VRV H/R (RQCEQ-P3) systems.



Type for 1~ 230V power supply	BS4Q14AV1B	BS6Q14AV1B	BS8Q14AV1B	BS10Q14AV1B	BS12Q14AV1B	BS16Q14AV1B
Number of ports (independent C/H selection)	4	6	8	10	12	16
Max. number of indoor units per port	5					
Connectable capacity index per port	15 ~ 140 *					
Max. total capacity index on BS Box	400	600	750			
Price	€ 2.648,-	3.629,-	4.773,-	5.736,-	6.762,-	8.560,-

* Connection of higher capacity index is possible by joining two adjacent ports together using optional joint (KHP26A250T, Price = 438,- EUR).

Optional Accessories

		Price €
KDDN26A4	Sound reduction kit for BS4Q14AV1B	1.526,-
KDDN26A8	Sound reduction kit for BS6Q14AV1B and BS8Q14AV1B	1.803,-
KDDN26A12	Sound reduction kit for BS10Q14AV1B and BS12Q14AV1B	2.362,-
KDDN26A16	Sound reduction kit for BS16Q14AV1B	2.681,-
KHFP26A100C	Closed pipe kit	80,-

Branch Provider Boxes

VRV IV-S & VRV IV



Branch Provider Boxes - only necessary for connecting Split or SkyAir indoor units	BPMKS967A2	BPMKS967A3
No. of connectable indoor units	1~2	1~3
Max. connectable capacity kW	14,2 (7,1 + 7,1)	20,8 (6,0 + 7,1 + 7,1)
Price	€ 720,-	767,-









Split and/or SkyAir indoor units can only be connected to the VRV IV Heat Pump (RYYQ-T, RXYQ-T) or to the or VRV IV-S Series Mini VRV & Mini VRV Compact (RXYSQ-T & RXYSCQ-T) outdoor units.

In case of the VRV IV-S Mini VRV & Mini VRV Compact units, mixing with VRV indoor units is not allowed. Please see pages 44-47 for selection information.


Centralized Control Systems

Centralized Control Interface Adaptors		Price €
	DTA109A51 DIII-net expander and filter adaptor - connects to F1/F2 OUT line. This adaptor can help in resolving communication interference problems on large systems with centralized control, or to extend the standard F1/F2 wiring limits.	1.018,-
	DTA112B51 Adaptor for centralized control of R410A SkyAir units – connection to the F1/F2 line	215,-
	KRP928A2S Adaptor for centralized control of Split units – connection to the F1/F2 line Note: "KRP928A2S" is the Material name for ordering; the newer version KRP928BA2S is actually delivered.	309,-
	DTA103A51 Wiring adaptor for centralized control of other devices – connection to the F1/F2 line giving operation/error monitoring and on/off control of 1 external device (pump / lights / fans / other HVAC) through the centralized control system	522,-
	DEC101A51 D3 Digital Input Adaptor – connection to the F1/F2 line giving operation/error monitoring of up to 8 external devices (pumps / lights / fans / etc.) through the centralized control system	1.073,-
	DEC102A51 D3 Digital Input/Output Adaptor – connection to the F1/F2 line giving operation/error monitoring and on/off control of up to 4 external devices (pumps / lights / fans / etc.) through the centralized control system	1.184,-
Simple Centralized Control		Price €
	DCS301B51 Unified On/Off Controller – On/Off control and error notification for up to 16 addresses (groups/units)	625,-
	DCS302C51 Centralized Remote Controller – full control and monitoring for up to 64 addresses (groups/units)	1.484,-
	DST301B51 Schedule Timer – in combination with Centralized Remote Controller allows creation of up to 8 schedules for up to 64 addresses (groups/units)	780,-
	KRP2A* series Wiring Adaptor for Electrical Appendices – for operation/error monitoring, on/off control and setpoint control (0-140 Ω) of entire F1/F2 line by dry contacts. An installation box or mounting plate may be necessary – refer to page 42 for details. KRP2A51 (0,5m cable) – for FXCQ, FXKQ, FXSQ, FXLQ, FXNQ, FXMQ, FXDQ-M9, FXAQ and BSVQ units KRP2A52 (1,3m cable) – for FXFQ, FXZQ and FXHQ KRP2A61 (2m cable) – for FXDQ-P7 units	379,-
	DCS302A52 Adaptor for central monitoring board for Centralized Remote Controller (DCS302C51), intelligent Touch Controller (DCS601C51) or intelligent Touch Manager (DCM601A5*) – provides potential-free contacts for operation/error monitoring and on/off control of units connected to Controller	167,-

Centralized Control Systems


intelligent Touch Manager			Price €
	DCM601A51 Main unit for advanced control of up to 64 addresses (groups/units)		5.202,-
	DCM601A52 iTM Plus Adaptor - expansion adaptor for control of an additional 64 addresses. Up to 7 of these adaptors can be connected to one main unit for control of up to 512 addresses from a single iTM main unit.		1.013,-
DCS302A52	Adaptor for central monitoring board – provides potential-free contacts for operation/error monitoring and on/off control of units connected to Controller. One adaptor required for each iTM main and each iTM Plus Adaptor.		167,-
DCM002A51	Proportional Power Distribution (PPD) Option – calculates contribution of each indoor unit to the total power consumption of the VRV System		2.029,-
DCM008A51	Energy Navigator Software Option - provides advanced energy consumption analyses and provides means to limit the energy consumption of the VRV system		4.306,-
DCM009A51	BACnet Server Option - allows to use the iTM to monitor and/or control external devices connected using the BACnet/IP protocol.		2.046,-
DCM007A51	HTTP option defines interface to monitor/operate Daikin units from an external application via iTM.		1.484,-
WAGO interfaces for connection to intelligent Touch Manager			Price €
WGDCMCPLR	REQUIRED COMPONENTS	REQUIRED for each Wago node Modbus Coupler - interface between the iTM and Wago modules, obligatory when Wago interface modules should be used	638,-
787-712		REQUIRED for each Wago node Main Power Supply for node	242,-
750-960		REQUIRED for each Wago node PROFIBUS fieldbus connector for node	51,-
750-600		REQUIRED for each Wago node End module for node	28,-
750-613		Internal booster power supply module. Required after each 32 contacts or after every group of digital output / analogue input modules if it is followed by any digital input modules.	251,-
750-400	INPUT/OUTPUT COMPONENTS	2-channel digital input module (24VDC supplied to circuit)	45,-
750-432		4-channel digital input module (24VDC supplied to circuit)	63,-
750-430		8-channel digital input module (24VDC supplied to circuit)	91,-
750-513/000-001		2-channel relay output module (max. 2A, 230VAC or 30VDC load)	99,-
750-504		4-channel relay output module (max. 2A, 230VAC or 30VDC load)	62,-
750-454		2-channel analog input module for 4~20 mA signal	403,-
750-455		4-channel analog input module for 4~20 mA signal	325,-
750-479		2-channel analog input module for -10~+10 VDC signal	436,-
750-459		4-channel analog input module for -10~+10 VDC signal	282,-
750-461/020-000		2-channel analog input module for 20 kOhm NTC temperature sensors	436,-
750-461		2-channel analog input module for Pt100 temperature sensors	380,-
750-460		4-channel analog input module for Pt100 temperature sensors	440,-
750-461/000-003		2-channel analog input module for Pt1000 temperature sensors	380,-
750-460/000-003		4-channel analog input module for Pt1000 temperature sensors	440,-
750-461/000-004		2-channel analog input module for Ni100 temperature sensors	380,-
750-461/000-005		2-channel analog input module for Ni1000 temperature sensors	380,-
750-460/000-005		4-channel analog input module for Ni1000 temperature sensors	440,-
750-554		2-channel analog output module: 4~20 mA	351,-
750-555		4-channel analog output module: 4~20 mA	317,-
750-560		2-channel analog output module: 0~10 VDC	315,-
750-559		4-channel analog output module: 0~10 VDC	282,-
750-638		2 channel: Up/Down Counter 24 V DC, 500 Hz (pulse input module – not for PPD!)	141,-
intelligent Touch Controller			Price €
	DCS601C51 Main unit for advanced control of up to 64 addresses (groups/units)		2.060,-
DCS302A52	Adaptor for central monitoring board for Centralized Remote Controller (DCS302C51) or intelligent Touch Controller (DCS601C51) – provides potential-free contacts for operation/error monitoring and on/off control of units connected to Controller		167,-
DCS007A51	HTTP Protocol Open Interface Option for Home Automation – provides HTTP protocol communication for connection to 3rd party control systems.		1.651,-
Intelligent Tablet Controller with Cloud connection			Price €
  	DCC601A51 Centralised touch controller with cloud connection for Split, Sky Air, VRV, ventilation, air curtains and hot water (up to 32 indoors) - offering 4 package options + optional stylish tablet		1.077,-
	Z380M Optional stylish tablet for local control		454,-
4G-N12	Daikin supplied optional router		415,-
DCC001A51	Package 1: Online control - for remote monitoring and control		TBC
DCC002A51	Package 2: Multi site – for remote monitoring, control and comparison of multiple sites (needed for each site)		TBC


Centralized Control Systems



Gateway for centralized control via BACnet® based Building Management Systems (BMS)		Price €
	DMS502A51 * Main unit for BACnet® interface for up to 128 addresses (2 F1/F2 ports; 2x max 64)	6.465,-
DAM411B51	Optional D3 Board – expansion card for control of additional 128 addresses (giving in total 4 F1/F2 ports; 4x max 64 = 256 addresses)	1.501,-
DAM412B51	Proportional Power Distribution (PPD) Option – calculates contribution of each indoor unit to the total power consumption of the VRV System	956,-
Software	Commissioning software provided on demand – BACnet® / BMS software NOT provided by Daikin	–


* Connection via 100Base-TX Ethernet line; Commissioning via service PC required


Note: "DMS502A51" is the Material name for ordering; the newer version DMS502B51 is actually delivered.


Gateway for centralized control via LonWorks® based Building Management Systems (BMS)		Price €
	DMS504B51 Main unit for LonWorks® interface for up to 64 addresses (1 F1/F2 port)	1.964,-
Software	LON / BMS software NOT provided by Daikin	–

Gateway for centralized control via ModBus based Building Management Systems (BMS)		Price €
	EKMBDXA Main unit for DIII-net Modbus interface for up to 64 addresses (1 F1/F2 port)	3.069,-
Software	ModBus / BMS software NOT provided by Daikin	–




Communication interface to KNX protocol		Price €
	KLIC-DI KNX Adaptor – provides a communication interface to the KNX protocol for 1 indoor unit. Connects to P1/P2 terminals. A BRC* controller can but does not have to be connected as well. For installation outside of the indoor unit.	257,-
	KLIC-DD KNX Adaptor for Split indoor units (for RXYSQ-T, RXYSCQ-T and RYYQ-T systems) – provides a communication interface to the KNX protocol for 1 indoor unit. Connects to S21 terminal of the indoor unit. For installation outside of the indoor unit. Note: not all Split indoor units are compatible – consult the Split catalogue or price list for details.	228,-

Communication interface to Modbus protocol		Price €
	RTD-NET Modbus adaptor – provides a communication interface to the Modbus protocol for 1 P1/P2 group of VRV or SkyAir indoor units (up to 16 indoors – control is simultaneous for entire group, monitoring is individual for every unit of the group). Connects to P1/P2 terminals. A BRC* controller can but does not have to be connected as well. For installation outside of the indoor unit.	266,-

Kilowatt-hour meter for use with PPD options		Price €
	CE.RKG_KAMSTRUP Integrating kilowatt-hour meter with pulse contact output, 1 pulse per 1 kWh, for maximum 80A current. Note: Use of this kWh meter is not a requirement; other kWh meters may be used, as long as they provide 1 pulse per 1 kWh with a pulse length of 40 – 400 ms	Inquire about availability


Rotation & Backup adaptor		Price €
	DTA113B51 Rotation & Backup adaptor – provides autonomous backup and unit rotation for up to 4 VRV or SkyAir units. Connects to P1/P2 terminals and requires a BRC1* controller to be connected as well. Not combinable with any other P1/P2 device.	653,-



Online Controller

Internet interface for Split indoor units and accessories		Price €
	KKRP01A Local Area Network Interface adaptor for Split indoor units – provides ability to control the unit via a Local Area Network (LAN). , provides back-up and rotation functionality for units used in technical applications with e-mail alerts, group control of multiple indoor units, and SNMP protocol communication ability for IT and telecom applications. One adaptor needed for each controlled Split indoor unit. Connects to the S21 port. For installation outside of the unit. Note: not all Split indoor units are compatible – consult the Split catalogue or price list for details.	268,-
	KBRC01A Touch LCD wall controller – wired remote controller with touch-screen for connection to the Online Controller. Provides an alternative to the infrared remote controllers supplied with the units. Especially handy for group control applications or as an alternative to the BRC944.	418,-
	KBRC01A Easy wall controller – wired remote controller without display for connection to the Online Controller. Provides an alternative to the infrared remote controllers supplied with the units. Especially handy for group control applications.	171,-
KKRPM01A	External mounting kit – installation box and S21 connection extension cable for easy remote installation of the adaptor.	55,-
KKRPW01A	WiFi cable pack – provides power supply to an external WiFi client/adaptor from the Online Controller. WiFi client/adaptor to be purchased separately (Asus 330g or Netgear WNCE 2001 recommended).	61,-
BRP069A41	WiFi Internet interfaces for Split indoor units. Provide the ability to control Daikin Split indoor units via an Apple or Android app (needs a WiFi connection to a local area network with internet access). Connects to the S21 port. Can not be combined with any other device using the S21 port. Provided standard with selected Split indoor units - refer to the Split price list for details.	29,-
BRP069A42		29,-
BRP069A43		29,-
BRP069A45		29,-
BRP069A61		181,-
BRP069A62		117,-



VRV Service Tools

IMPORTANT: Service Tool prices may follow spare part discount policies.




Service Checker Type III		Price €
	999165T SERVICE CHECKER TYPE III SET Main unit for service monitoring of Daikin VRV and ERQ units	2308,66
999107T	SENSOR KIT for VRV CHECKER Optional external sensors – for measuring external temperatures / pressures beside those measured by the units	1212,77
Software (obligatory)	Requires a Windows 2000/XP based PC;	Free on demand

Other Service Tools		Price €
	RS-SE Service tool for checking connection of K.RSS external wireless air temperature sensor	132,-
	9950038 Magnet for manual operation of expansion valves, 17,5 mm ID	272,12
	999133T Magnet for manual operation of expansion valves, 22,0 mm ID	194,06
	999134T Magnet for manual operation of expansion valves, 24,0 mm ID	242,53
	999132T Magnet for manual operation of expansion valves, 24,5 mm ID	145,55








Control and Adaptor accessories for indoor units

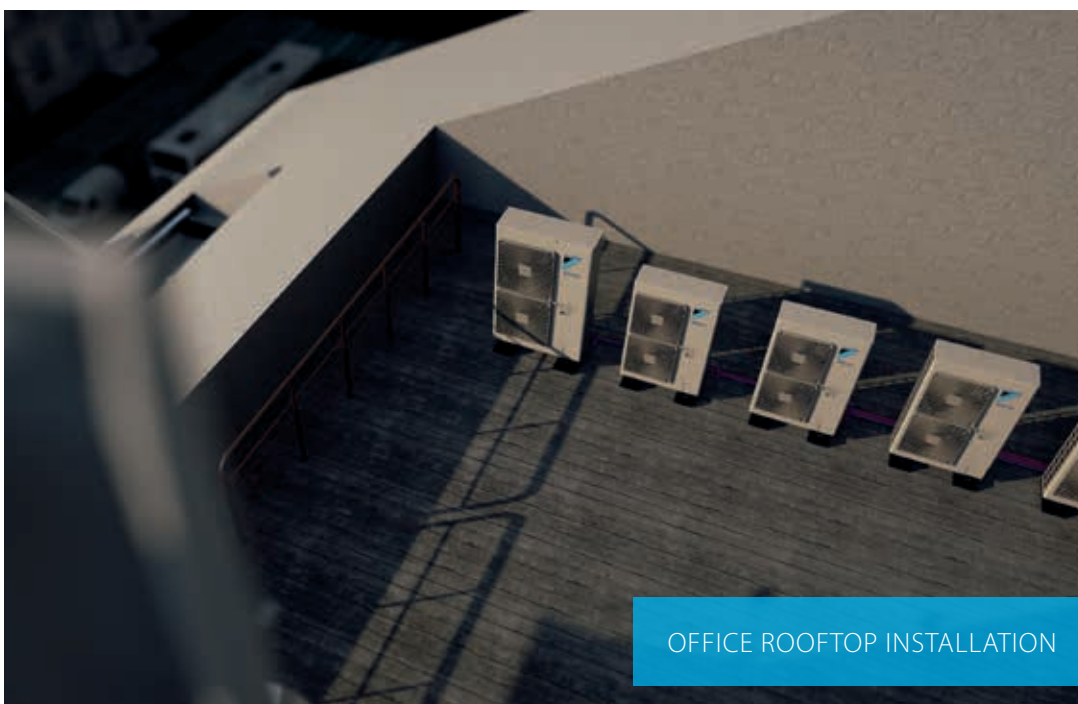
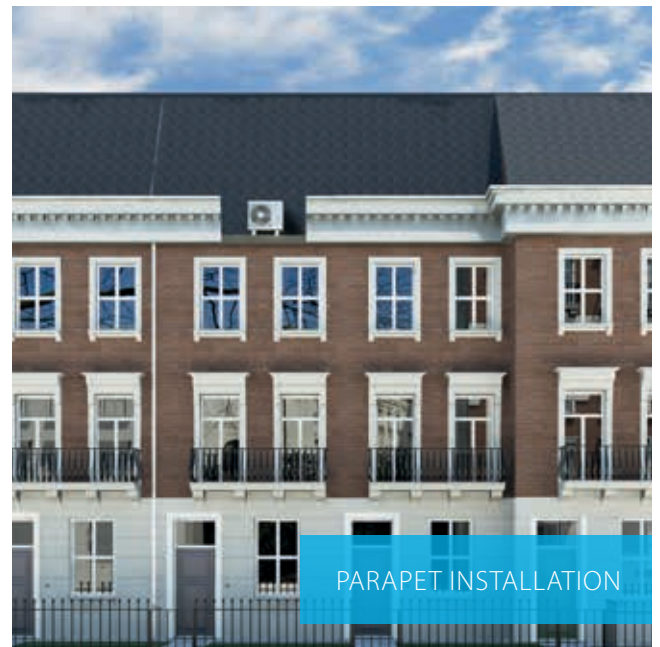
See pages 40-41 for combination table with indoor units		Price €
CONTROL	 BRC1H51W/S/K New wired remote controller with premium design (white,silver,black) comes with intuitive touch button control. Includes, setpoint & fan adjustment, mode change, louver control, filter sign&reset & error indication. Other advanced settings such as scheduling, setback & setpoint limitations can be easily done via smartphone.	164,-
	 BRC1E53A for Austria BRC1E53B for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian BRC1E53C for Slovakian and Albanian Standard wired remote controller – includes multi-language full-text interface, back-light, weekly timer, integrated temperature sensor, VAM unit control, limit operation and room temperature display. Connects to P1/P2 terminals. Includes new functions for energy saving, infrastructure cooling & sound minimization.	143,-
	 BRC1D52 Basic wired remote controller – includes weekly timer, integrated temperature sensor, VAM unit control, limit operation. Connects to P1/P2 terminals.	94,-
	 BRC2E52C Simplified wired remote controller with operation mode button. Includes simple, symbol-driven interface for end-users, with all advanced functionalities of the BRC1E accessible via a lockable menu. Connects to P1/P2 terminals.	159,-
	 BRC3E52C Simplified wired remote controller without operation mode button (Caution: operation mode (e.g. cooling / heating) can not be changed from this controller). Other features like on BRC2E52C. Connects to P1/P2 terminals.	159,-
	 BRC4* / BRC7* Infra-red wireless remote controller – compared to BRC1D52 does not have timer, temperature sensor, VAM unit control and limit operation. Receiver depends on particular model / indoor unit and connects to indoor unit PCB or to P1/P2 terminals.	Type and price depends on indoor unit type
	 K.RSS External wireless air temperature sensor – allows temperature measurement exactly in the location of room occupants without the need of running extra wiring. Connects instead of the standard suction temperature sensor to the indoor unit's PCB.	128,-
	 KRCS01-* External wired air temperature sensor – allows temperature measurement exactly in the location of room occupants. Connects instead of the standard suction temperature sensor to the indoor unit's PCB.	Type depends on indoor unit type
		84,-
INDOOR UNIT CONTROL AND INTERFACE ADAPPTIONS	 KLIC-DI KNX Adaptor for SkyAir and VRV indoor units – provides a communication interface to the KNX protocol for 1 indoor unit. Connects to P1/P2 terminals. A BRC* controller can but does not have to be connected as well. For installation outside of the indoor unit.	257,-
	 KLIC-DD KNX Adaptor for Split indoor units – provides a communication interface to the KNX protocol for 1 indoor unit. Connects to S21 terminal of the indoor unit. For installation outside of the indoor unit.	228,-
	 RTD-10 Universal control adaptor – provides for external monitoring/control via 0-10kΩ resistance or 0-10VDC input signals and dry contact output signals (operation or defrost signal, error status signal), and provides a communication interface to the Modbus protocol. For 1 P1/P2 group of indoor units (up to 16 indoor units). Connects to P1/P2 terminals. A BRC* controller can but does not have to be connected as well. For installation outside of the indoor unit.	356,-
	 RTD-HO Intelligent hotel room adaptor – provides intelligent unit control based on inputs from key card and window contacts and communication interface to the Modbus protocol. For 1 P1/P2 group of indoor units (up to 16 indoor units). Connects to P1/P2 terminals. A BRC* controller can but does not have to be connected as well. For installation outside of the indoor unit.	356,-
	 RTD-NET Modbus adaptor for SkyAir and VRV units – provides a communication interface to the Modbus protocol for 1 P1/P2 group of indoor units (up to 16 indoor – control is simultaneous for entire group, monitoring is individual for every unit of the group). Connects to P1/P2 terminals. A BRC* controller can but does not have to be connected as well. For installation outside of the indoor unit.	266,-
	 RTD-20 Advanced control adaptor for retail and office applications – provides advanced control and energy saving functionality for multiple shop floor and user control zones, control of VAM units based on CO ₂ sensor input, control of Air Curtains based on outdoor air conditions, intelligent control of units installed in rooms with movable walls, etc. For installation outside of the indoor unit.	426,-
	 DTA113B51 Rotation & Backup adaptor – provides autonomous backup and unit rotation for up to 4 VRV or SkyAir units. Connects to P1/P2 terminals and requires a BRC1* controller to be connected as well. Not combinable with any other P1/P2 device.	653,-
	 KRP4A* Wiring adaptor for external monitoring/control via dry contacts and set-point control via 0-140Ω. Connects to P1/P2 terminals and requires a BRC1/2/4/7 controller to be connected as well. Not combinable with any other P1/P2 device.	211,-
	 BRP7A* Wiring adaptor for window and key-card contacts to control an indoor unit or group of indoor units based on window and/or key-card status. Connects to P1/P2 terminals and requires a BRC2E52C or BRC3E52C to be connected as well. Not combinable with any other P1/P2 device.	102,-
	 (E)KRP1B* / (E)KRP1C* Wiring adaptor with 4 output signals – provides dry contacts, which can be used to activate/deactivate humidifiers, electrical heaters, fresh air fans, etc. based on the indoor unit's operation. Outputs: Compressor or Error status, Indoor unit fan status, Auxiliary heater signal, Humidifier signal. Connects to the indoor unit's PCB.	Type and price depends on indoor unit type
	 KRP1B* Wiring adaptor with 2 output signals – provides dry contacts, which can be used to activate/deactivate humidifiers, electrical heaters, fresh air fans, etc. based on the indoor unit's operation. Outputs: Compressor or Error status, Indoor unit fan status. Connects to the indoor unit's PCB. An installation box may be necessary, depending on the indoor unit – see pages 42-43.	Type and price depends on indoor unit type

See pages 42-43 for combination table with indoor units

OTHER ACCESSORIES	Control and Adaptor accessories for VRV indoor units (continued)		Price €
		DTA114A61 Adaptor for Multi-tenant Applications – allows to turn off main power supply to an indoor unit without affecting the rest of the VRV system by supplying the indoor unit PCB by a separate 24VAC power supply (24VAC must be provided separately). Connects to the indoor unit's PCB. An installation box may be necessary, depending on the indoor unit – see page 42.	188,-
		EKMTAC Kit for Multi-tenant Applications – allows to turn off main power supply to an indoor unit without affecting the rest of the VRV system by supplying the indoor unit PCB by a separate 24VAC power supply (24VAC must be provided separately). This kit contains equipment for 10 indoor units.	27,-
		KRP* Installation box / Mounting plate for adaptor PCBs for units where there is no space in the switchbox.	Type and price depends on indoor unit type



Optional Accessories for outdoor units

Control and Adaptor accessories for outdoor units			Price €
	DTA104A* External control adaptor for outdoor unit – allows to activate Low Noise Operation and three levels of Demand Limiting via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, VRV-W or VRV IV outdoor unit.		470,-
	DTA104A53 (2 m cable) – to be used when installing in FXDQ-A3 units		
	DTA104A61 (1,15 m cable) – to be used when installing in FXCQ, FXKQ, FXDQ-M9, FXSQ, FXLQ, FXNQ, FXMQ, FXAQ, or BSVQ units		
	DTA104A62 (0,5 m cable) – to be used when installing in FXFQ, FXZQ, FXHQ, RWEYQ, or RYYQ/RYMQ/RXYQ-T units * When installing in an indoor unit, an installation box or mounting plate may be necessary.		
	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.		51,-
	KJB111A Fixing box mechanical cool/heat selector KRC19-26.		31,-
	BRP2A81 A-B-C contact PCB for switching between cooling and heating from the outdoor unit		179,-
	BHGP26A1 Digital pressure gauge kit – displays current condensing and evaporating pressures in the system as standard, or expansion valve positions and temperature sensor data in a special service mode. Connect to the outdoor unit PCB, for installation in the outdoor unit		506,-
	EKPCCAB3 VRV Configurator		317,-
	EKBPHPCBT Control PCB for optional bottom plate heater for VRV IV Heat Pump outdoor units - recommended for use in case of exceptionally harsh climates (exposed installation, environments where conditions < -5°C and relative humidity >95% can last for more than 5 consecutive days, etc.)		159,-
	EKBPH012T Optional bottom plate heater for VRV IV 8 ~ 12 HP outdoor units		655,-
	EKBPH020T Optional bottom plate heater for VRV IV 14 ~ 20 HP outdoor units		681,-



Control and Adaptor accessories for VRV indoor units














See pages 39-40 for detailed descriptions

		Price €	 FXFQ-A	 FXFQ-A with auto-cleaning	 FXZQ-A
CONTROL	 BRC1H51W/S/K (white/silver/black) New standard wired remote controller to replace BRC1E53*	164,-	✓	✓	✓
	 BRC1E53* Standard wired remote controller with full-text interface and back-light BRC1E53A for AT; BRC1E53B for CZ, HR, HU, RO, SI, BG; BRC1E53C for SK and AL.	143,-	✓	✓	✓
	 BRC1D52 Basic wired remote controller with weekly timer	94,-	✓ with limitations *1	-	✓ with limitations *1
	 BRC2E52C Simplified wired remote controller with operation mode button	159,-	*2	-	*2
	 BRC3E52C Simplified wired remote controller without operation mode button.	159,-	*2	-	*2
	 BRC4* / BRC7* Infrared wireless remote controller including receiver	Type and price depends on indoor unit	BRC7FA532F 180,-	-	BRC7F530W BRC7F530S *1 *3 180,-
	 K.RSS External wireless air temperature sensor	128,-	✓	✓	✓
	 KRCS01-* External wired air temperature sensor	Type depends on indoor unit 84,-	KRCS01-4	KRCS01-4	KRCS01-4
INDOOR UNIT CONTROL AND INTERFACE ADAPTIONS	 KLIC-DI KNX Adaptor – communication interface to the KNX protocol	257,-	✓	✓	✓
	 RTD-10 Universal control adaptor	356,-	✓	✓	✓
	 RTD-HO Intelligent hotel room adaptor	356,-	✓	✓	✓
	 RTD-NET Modbus adaptor – communication interface to the Modbus protocol	266,-	✓	✓	✓
	 RTD-20 Advanced control adaptor for retail and office applications	426,-	✓	✓	✓
	 DTA113B51 DS-Net adaptor	653,-	✓	-	✓
	 KRP4A* Wiring adaptor for external monitoring / control	Type depends on indoor unit 211,-	KRP4A53	-	KRP4A53
	 KRP2A* Wiring adaptor for external central monitoring / control	Type depends on indoor unit 379,-	KRP2A52	-	KRP2A52
	 BRP7A* Wiring adaptor for window and key-card contacts (BRC2E52C / BRC3E52C required)	Type depends on indoor unit 102,-	BRP7A53	-	BRP7A53
	 (E)KRP1B* / (E)KRP1C* Wiring adaptor with 4 output signals	Type and price depends on indoor unit	EKRP1C11 87,-	-	-
	 KRP1B* Wiring adaptor with 2 output signals	Type and price depends on indoor unit	-	-	KRP1B57 156,-
OTHER ACCESSORIES	 DTA114A61 Adaptor for Multi-tenant Applications	188,-	✓	✓	✓
	 EKMTAC Kit for Multi-tenant Applications	27,-	-	-	-
	 DTA104A* External control adaptor for outdoor unit	Type depends on indoor unit 470,-	DTA104A62	-	DTA104A62
	 Installation box / Mounting plate for adaptor PCBs for units where there is no space in the switchbox. Only for adaptors which are allowed to be installed inside the switchbox (marked with  symbol)	Type and price depends on indoor unit	KRP1H98 55,-	-	KRP1BA101 73,-

*1 Individual flap control and floor/presence sensor option control not available (not compatible with floor/presence sensor option)

*2 The BRC2E52C & BRC3E52C controller can, in principle, control any VRV indoor unit, however, it can not control swing-flap position – it is therefore unsuitable for all indoor units with controllable swing flaps

*3 Model depends on chosen decoration panel (W = fully white design, S = silver/white design); For Legacy decoration panel use BRC7EB530W. t.b.c. ... information not available at time of print

												
FXCQ-A	FXKQ-MA	FXUQ-A	FXHQ-A	FXAQ-A	FXDQ-M9	FXDQ-A3	FXSQ-A	FXMQ-P7	FXMQ-MB	FXLQ-P	FXNQ-A	EKEQMCBA
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ with limitations 1	✓	✓ with limitations *1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
*2	*2	*2	*2	*2	✓	✓	✓	✓	✓	✓	✓	-
*2	*2	*2	*2	*2	✓	✓	✓	✓	✓	✓	✓	-
BRC7C52	BRC4C61	BRC7C58	BRC7G53	BRC7EA628	BRC4C62	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65	-
505,-	311,-	533,-	409,-	221,-	248,-	143,-	143,-	143,-	143,-	143,-	143,-	-
✓	✓	✓	✓	On request	✓	✓	✓	✓	✓	✓	✓	-
KRCS01-4	KRCS01-1	KRCS01-4	KRCS01-4	KRCS01-1	KRCS01-1	KRCS01-1	KRCS01-4	KRCS01-4	KRCS01-1	KRCS01-1	KRCS01-1	KRCS01-1
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
KRP4A51	KRP4A51	KRP4A53	KRP4A52	KRP4A51	KRP4A51	KRP4A54	KRP4A51	KRP4A51	KRP4A51	KRP4A51	KRP4A54	KRP4A51
KRP2A51	KRP2A51	-	KRP2A52	KRP2A51	KRP2A51	KRP2A61	KRP2A51	KRP2A51	KRP2A51	KRP2A51	KRP2A61	-
BRP7A51	BRP7A51	BRP7A53	BRP7A52	BRP7A51	BRP7A54	BRP7A54	BRP7A51	BRP7A51	BRP7A51	BRP7A51	BRP7A51	-
EKRP1B2	KRP1B61	-	KRP1B3	-	EKRP1B2	-	EKRP1B2	EKRP1B2	KRP1B61	KRP1B61	-	-
162,-	160,-	-	257,-	-	162,-	-	162,-	162,-	160,-	160,-	-	-
-	-	-	KRP1B54	-	-	KRP1B56	-	-	-	-	KRP1B56	-
-	-	-	195,-	-	-	163,-	-	-	-	-	163,-	-
-	-	-	✓	✓	-	-	✓	✓	-	-	-	-
-	-	-	-	-	✓	✓	-	-	-	✓	✓	-
DTA104A61	DTA104A61	-	DTA104A62	DTA104A61	DTA104A61	DTA104A53	DTA104A61	DTA104A61	DTA104A61	DTA104A61	DTA104A53	-
KRP1C96	-	KRP1B97	KRP1D93A	KRP4A93	-	KRP1BA101	KRP4A96	KRP4A96	-	-	KRP1BA101	-
140,-	-	172,-	213,-	117,-	-	73,-	63,-	63,-	-	-	73,-	-

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Combination possibilities and limitations (part 1 of 3)

Table 1 – Connectable indoor units and basic combination information

Description / Combination	VRV indoor units	Ventilation units (see Table 4)							Remarks
		Split / SkyAir indoor units (see Tables 6 & 7)	LT Hydrobox HX-Y-A8 (see Table 5)	HT Hydrobox HX-HD-A8 (see Table 5)	VRV units VKM-	Air curtains CYV-DK-	AHU connection EKE-XV + EKEQMCBA	AHU connection EKE-XV + EKEQFCBA	
VRV IV Heat Pump RYYQ-T / RXYQ-T	○	○	○	×	○	○	○	○	Standard total system connection ratio limit: 50 ~ 130%
with only VRV indoor units	✓								200% total system connection ratio possible under special circumstances
with Split indoor units (see Tables 6 & 7)	✓	✓			✓				Only single-module systems (RYYQ 8~20 T / RXYQ 8~20 T) Max 32 indoor units, even on 16HP, 18HP and 20HP systems
with LT Hydroboxes (see Table 5)	✓		✓		✓				Max 32 indoor units, even on 16HP and larger systems Contact Daikin in case of multi-module systems (>20HP)
with Ventilation units (see Table 4)	VKM-	✓	✓	✓	✓	✓	✓		
	CYV-DK-	✓			✓	✓	✓		
	EKE-XV + EKEQMCBA	✓			✓	✓	✓		Connection ratio limit: 90-110%
	EKE-XV + B							✓	Connection ratio limit: 90-110%
VRV IV Heat Recovery REYQ-T	○	×	○	○	○	○	○	×	Standard total system connection ratio limit: 50 ~ 130%
with only VRV indoor units	✓								
with LT/HT Hydroboxes (see Table 5)	✓		✓	✓	✓				Max 32 indoor units, even on 16HP and larger systems Total system connection ratio up to 200% possible - See Table 5
with Ventilation units (see Table 4)	VKM-	✓		✓	✓	✓	✓		
	CYV-DK-	✓			✓	✓	✓		Dedicated systems (with only ventilation units) not allowed - a mix with standard VRV indoor units is always necessary.
	EKE-XV + EKEQMCBA	✓			✓	✓	✓		Total CR: 50 – 110%, VRV indoor: 50 – 110%, AHU: 0-60%
VRV IV i-series SB.RKXYQ-T	✓	×	×	×	✓	✓	✓	×	
VRV Classic RXYCQ-A (no sales possible)	✓	×	×	×	✓	×	×	×	Standard total system connection ratio limit: 50 ~ 120% In case of using at least one FXFQ20~25 indoor units on 8HP or 10HP models, the maximum connection ratio is 100%.
VRV III Cold Region RTSYQ-PA (no sales possible)	✓	×	×	×	✓	✓	✓	×	Standard total system connection ratio limit: 50 ~ 130%
VRV IV S-Series Mini VRV RXYSQ-T VRV IV S-Series Mini VRV Compact RXYSCQ-T	○	○	×	×	○	○	○	○	Standard total system connection ratio limit: 50 ~ 130% Connection ratio: 90-110% in case of AHU connection
with VRV indoor units	✓				✓	✓	✓		
with Split indoor units (see Tables 6 & 7)		✓							
VRV IV-Q Replacement H/P RXYQQ-T	✓	×	×	×	✓	✓	✓	×	Standard total system connection ratio limit: 50 ~ 130% Connection ratio: 90-110% in case of AHU connection
VRV III-Q Replacement H/R RQCEQ-P3	✓	×	×	×	✓	×	×	×	Standard total system connection ratio limit: 50 ~ 130%
VRV IV-W* Water-cooled VRV RWEYQ-T9	○	○	×	○	○	○	○	○	Standard total system connection ratio limit: 50 ~ 130% Connection ratio: 90-110% in case of AHU connection
with VRV indoor units	✓			✓	✓	✓	✓	✓	
with split indoor units		✓							
with HT hydrobox	✓			✓					

○ ... connection of indoor unit possible, but not necessarily simultaneously with other allowed indoor units

✓ ... connection of indoor unit possible even simultaneously with other checked units in the same row

×

Selection information

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Combination possibilities and limitations (part 2 of 3)

Table 2 – Indoor unit capacity indexes

Indoor Unit Class:	15	20	25	32	35	40	42	50	60	63	71	80	100	125	140	200	250	400	500
Types of unit with this class (V = VRV; S = Split/SkyAir)	V / S	V / S	V / S	V	S	V	S	V / S	S	V	V / S	V	V	V	V	V	V	V	V
Approximate cooling capacity* [kW]	1,7 / 1,5	2,2 / 2,0	2,8 / 3,6	3,5	4,5	4,2	4,2	5,6 / 5,0	6,0	7,1	8,0 / 7,1	9,0	11,2	14,0	15,7	22,0	28,0	44,0	56,0
VRV Capacity Index	15	20	25	31,25	35	40	42	50	60	61,5	71	80	100	125	140	200	250	400	500

* Please note that the exact nominal cooling capacity may differ slightly from this value, depending on the exact unit. When two capacities are shown, the larger value is for VRV indoor units, the smaller value is for Split/SkyAir indoor units.

VKM Units	50	80	100	Important remark: VKM units count as 2 when counting the number of indoor units in a system (e.g. on a 54 HP VRV system, even though you can have up to 64 indoor units, the maximum number of VKM's would be 32)
VRV Capacity Index	31,3	50	62,5	

Table 3 – Outdoor unit capacity indexes & indoor unit number limits

Outdoor Units class [HP]	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
Approximate cooling capacity* [kW]	11	14	16	22	29	33	36	40	45	50	56	62	67	73	79	84	90	95	101	106	112	118	124	130	135	140	145	150
VRV Nominal Capacity Index (100% connection ratio)	100	125	140	200	250	300	321	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1250
Maximum number of indoor units (unless stated otherwise)	8	10	12	17	21	26	27	30	34	39	43	47	52	56	60	64												

* Please note that the exact nominal cooling capacity may differ slightly from this value, depending on the exact unit. The cooling capacity and maximum number of indoor units stated above does not apply to VRV Classic.

Table 4 – Connection possibilities and limitations of Ventilation Units

Connection Ratio = Sum of indoor unit Capacity Indexes / Nominal outdoor Capacity Index

Model	Total system connection ratio limits	Mixed systems - systems with Ventilation and VRV indoor units			Dedicated systems - systems with only specified ventilation units		
		Allowed?	VRV IU limits	Ventilation unit limits	Allowed?	Ventilation unit limits	System limits
Heat Reclaim Ventilation units VKM-	Max 130%	Yes	no special limits		Yes*	no special limits	
Air Curtain units CYV-DK-	Max 110%	Yes	Unit connection ratio ≥ 50%	no special limits	Yes*	no special limits	Total system connection ratio 90% ~ 110%
AHU Connection EKEQMCBA		Yes		Max. 3 EKE XV's per AHU DX coil	Yes*	Max. 3 EKE XV's per AHU DX coil	
EKE XV- EKEQFCBA		No	-	-	Yes*	Max. 3 EKE XV's total	

* Not allowed on VRV IV Heat Recovery

Table 5 – Connection possibilities and limitations of Hydroboxes

Connection Ratio = Sum of indoor unit Capacity Indexes / Nominal outdoor Capacity Index

Model	Total system connection ratio limits	Mixed systems - systems with Hydroboxes and VRV or other indoor units			Dedicated systems - systems with only Hydrobox units	
		Allowed?	VRV IU limits	Hydrobox unit limits	Allowed?	
Low Temperature Hydrobox HXY-A8	Max 130%	Yes	Unit connection ratio 50% ~ 130%	Unit connection ratio max 80%	No	
VRV IV Heat Pump RYYQ-T / RXYQ-T						
VRV IV Heat Recovery REYQ-T						
High Temperature Hydrobox HXHD-A8	Max 200%		Unit connection ratio 50% ~ 110%	Unit connection ratio max 100%		
VRV IV Heat Recovery REYQ-T						

Note: In case of mixing LT and HT hydroboxes on VRV IV Heat Recovery, the following limits apply: (VRV IU's + LT Hydrobox + VKM) ≤ 130%; (LT + HT Hydrobox) ≤ 100%

Note: Water-cooled VRV (RWEYQ-T9) is combinable with the HT hydrobox. Please use the selection software or see the databook for further guidelines.

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Combination possibilities and limitations (part 3 of 3)

Table 6 – Connection possibilities and limitations of Split / SkyAir indoor units

Connection Ratio = Sum of indoor unit Capacity Indexes / Nominal outdoor Capacity Index

Model		Total system connection ratio limits	Mixed systems - systems with Split and VRV indoor units			Other limits / remarks
			Allowed?	VRV IU limits	Split unit limits	
Split indoor units	VRV IV Heat Pump RYYQ-T / RXYQ-T	80 ~ 130%	Yes	Max 32 indoor units		Only on single-module systems (RYYQ 8~20 T / RXYQ 8~20 T)
	Mini VRV RXYSQ-T / RXYSCQ-T	50 ~ 130%	No	-	-	
SkyAir indoor units	Mini VRV RXYSQ-T / RXYSCQ-T					

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-A				•		•	•	•
Fully flat cassette	FFA-A			•	•		•	•	
Slim concealed ceiling unit	FDXM-F3			•	•		•	•	
Concealed ceiling unit with inverter driven fan	FBA-A			•	•		•	•	
Daikin Emura - Wall mounted unit	FTXG-LW/LS		•	•	•		•		
Wall mounted unit	CTXS-K	•			•				
Wall mounted unit	FTXS-K		•	•	•	•	•		
Wall mounted unit	FTXS-G							•	•
Ceiling suspended unit	FHA-A				•		•	•	
Nexura - Floor standing unit	FVXG-K			•	•		•		
Floor standing unit	FVXS-F			•	•		•		
Concealed floorstanding unit	FNA-A			•	•		•	•	
Flexi type unit	FLXS-B(9)			•	•		•	•	



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Refrigerant piping limitations

Table 8 – Selected refrigerant piping limitations

Description / Combination	Maximum piping length (one direction)		Maximum height difference		Total piping length (one direction) [m]
	OU to IU [m] Actual / (Equivalent)	First branch to IU [m]	OU to IU [m] OU above IU / OU below IU	IU to IU [m]	
VRV IV Heat Pump RYYQ-T / RXYQ-T					
with only VRV indoor units Standard outdoor combinations	165 / (190)	40 90 with special limits	50/40 90 with special limits	30	1000
with only VRV indoor units Non-standard outdoor combinations	135 / (160)	40 90 with special limits	50/40 90 with special limits	30	500
with Split indoor units	100 / (120)	50	50/40	15	250
with LT Hydroboxes	135 / (160)	40	50/40	15	300 single-module sys. 500 multi-module sys.
with Ventilation & VRV indoor units	165 / (190)	40	40/40	15	1000
with multiple Ventilation units only	165 / (190)	40	40/40	15	1000
pair combination with one EKEXV-	50 / (55)	-	40/40	-	50
VRV IV Heat Recovery REYQ-T					
with only VRV indoor units Standard outdoor combinations	165 / (190)	40 90 with special limits	50/40 90 with special limits	15	1000
with only VRV indoor units Non-standard outdoor combinations	135 / (160)	40 90 with special limits	50/40 90 with special limits	15	500
with LT/HT Hydroboxes	135 / (160)	40	50/40	15	300 single-module sys. 600 multi-module sys.
with Ventilation & VRV indoor units	165 / (190)	40	40/40	15	1000
VRV Classic RXYCQ-A (no sales possible)	135 / (155)	40 90 with special limits	30/30	15	300
VRV III Cold Region RTSYQ-PA (no sales possible)	165 / (190)	40 90 with special limits	50/40	15	500
VRV IV-S Mini VRV RXYSQ-T					
with VRV indoor units	150 / (175)	40	50/40	15	300
with Split indoor units	BP to IU max 15 m	40	30/30	15	OU to BP's ≤ 55 140
VRV IV-S Mini VRV Compact RXYSQ-T					
With VRV indoor units	70/(90)	40	30/30	15	300
with Split indoor units	BP to IU max 15 m	40	30/30	15	140
VRV IV-Q Replacement H/P RXYQQ-T	120 / (150)	40 90 with special limits	50/40	15	300
VRV III-Q Replacement H/R RQCEQ-P3	120 / (150)	40	50/40	15	300
VRV IV-W Water-cooled VRV RWEYQ-T9	120 / (140)	40 90 with special limits	50/40	15	300

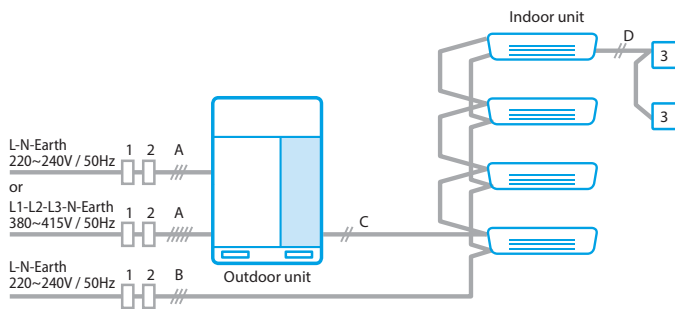
Notes:

- For details of "special limits", see databook or installation manual of respective unit.
- The maximum pipe length from an IU to it's nearest Refnet branch joint (in case of heat recovery, nearest 3-pipe joint) is always 40 m.
- For Air Handling Unit connection limitations of VRV IV-S Mini VRV or Mini VRV Compact units please check the respective databook or the installation manual.

Electrical wiring guidelines

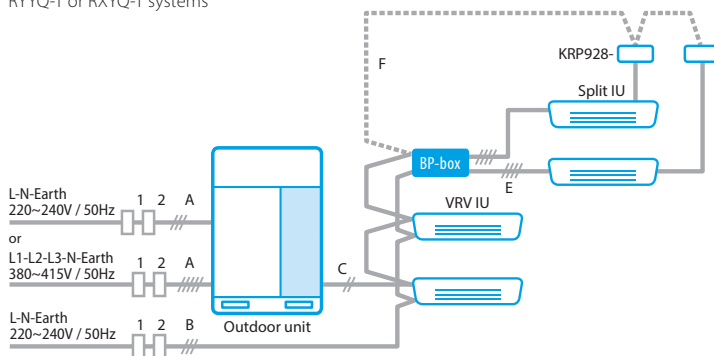
All electrical power wiring must be selected and done by a qualified electrician and must comply to local and national regulations. The below information serves only as informative guidelines.

Standard VRV System

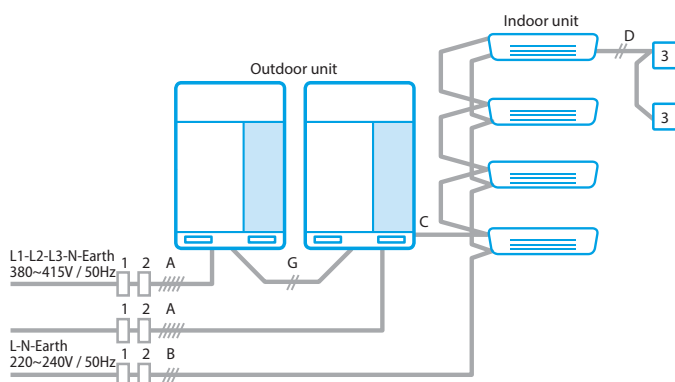


VRV Systems with Split IU's

Note: Mixing VRV and Split indoor units in one system is only allowed on single-module RYYQ-T or RXYQ-T systems

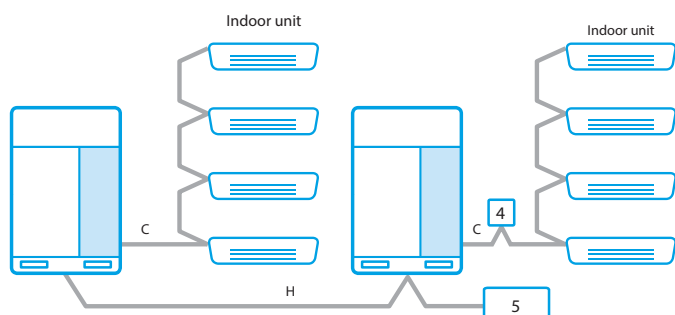


VRV multi-module systems



VRV System central control

Note: Power wiring has been omitted in the diagram below

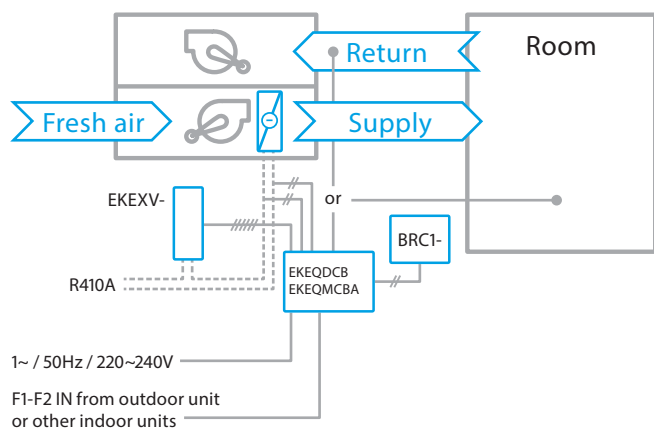


Item	Item description	Item details
1	Earth leakage breaker	<ul style="list-style-type: none"> High-speed type (30mA <0,1s), for both AC and DC currents Must be able to handle higher harmonics (class SK) Must not interrupt the Earth wire!
2	Circuit breaker	<ul style="list-style-type: none"> Breaker capacity must not exceed MFA value of selected combination Must not interrupt the Earth wire!
3	Local control accessory	<ul style="list-style-type: none"> e.g. Wired remote controller, adaptor (RTD-), etc..
4	System control adaptor	<ul style="list-style-type: none"> e.g. KRP2- or DTA104- Connects to F1/F2 IN or OUT line, requires power supply from indoor or outdoor unit For installation in indoor or outdoor unit (may require special installation box)
5	Centralized controller	<ul style="list-style-type: none"> e.g. intelligentTouchManager, gateway, etc.
A	Main power supply line	<ul style="list-style-type: none"> H05VV type if in protective piping, H07RN if unprotected 1-phase: 3-core including earth wire 3-phase: 5-core including earth wire Wire size must be selected according to local and national regulations based on the MCA value of selected combination In case of Multi-module systems, it is recommended to have a separate power supply line for each module. If using a common power supply, modules with smaller capacity must be connected down-stream NOTE: 3-phase units are Class A EMC products - In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
B	Indoor unit power supply line	<ul style="list-style-type: none"> H05VV type if in protective piping, H07RN if unprotected 3-core including earth wire Wire size must be selected according to local and national regulations based on the sum of MCA values of connected indoor units (including BP Boxes)
C	OU-IU wiring "F1-F2 IN line"	<ul style="list-style-type: none"> Low voltage (16VDC) wiring H05VV type, 2-core 0,75 to 1,25 mm² In a Multi-module system, connects to just one outdoor unit module (it doesn't matter to which - the module, where it is connected, automatically becomes the Master module) Never branch the wiring - connect in series, going from one IU to the next Shielded or unshielded wiring may be used. In case of shielded wiring, ground shield only on outdoor unit and bypass indoor units - never ground the shield at multiple locations and never leave the shield ungrounded! In case of unshielded wiring, keep at least 5cm away from power cables at all times.
D	Local control wiring "P1-P2 line"	<ul style="list-style-type: none"> Low voltage (16VDC) wiring H05VV type, 2-core 0,75 to 1,25 mm² Maximum 2 devices (controller, adaptor) can be connected The P1-P2 line can be used to link up to 16 indoor units into group control
E	BP-IU wiring "1-2-3-Earth"	<ul style="list-style-type: none"> H05RN type, 4-core including earth wire 1,5 mm², 2,5 mm² if length exceeds 10 m
F	Continuation of "F1-F2 IN line"	<ul style="list-style-type: none"> Only necessary when the Split Indoor units need to be monitored / controlled via centralized control through the F1/F2 line Each Split indoor unit requires a KRP928A1S adaptor to be installed Specifications are identical to <C>
G	OU-OU Multi-module wiring "Q1-Q2 line"	<ul style="list-style-type: none"> Low voltage (16VDC) wiring H05VV type, 2-core 0,75 to 1,25 mm² Only for Multi-module systems
H	OU and Central Control line "F1-F2 OUT line"	<ul style="list-style-type: none"> Low voltage (16VDC) wiring H05VV type, 2-core 0,75 to 1,25 mm² For connecting one or more systems to central control - maximum 10 systems, containing altogether maximum 64* indoor units can be so linked. (* under certain conditions, this can be up to 128 - contact your Daikin representative for details) In case of Multi-module systems, connects to the Master module, i.e. the module where also the F1-F2 IN line is connected to Shielded or unshielded wiring may be used. In case of shielded wiring, ground shield only on outdoor unit and bypass indoor units - never ground the shield at multiple locations and never leave the shield ungrounded! In case of unshielded wiring, keep at least 5cm away from power cables at all times.

In order to maximize installation flexibility, 4 types of control systems are offered

Z-Control (EKEQDCB / EKEQMCBA)

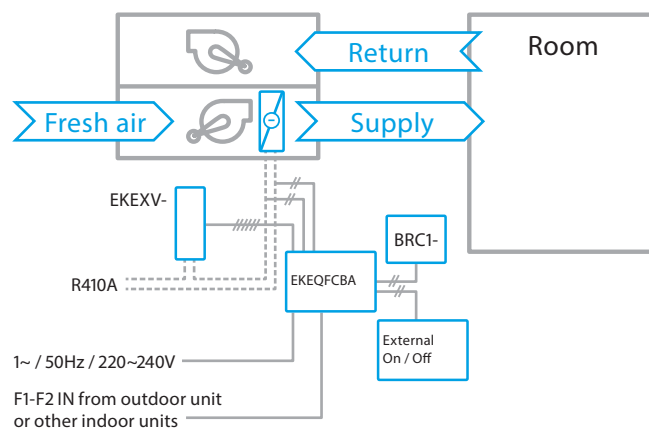
Capacity control based on Room or Return air temperature and set-point set via remote controller. The actual Supply (Discharge) air temperature can not be controlled – hence may not be suitable in fresh-air applications, if there are other heating / cooling sources in the air conditioned space.



Input	Input value	Effect
Remote On/Off input	Closed contact	System is turned on
	Open contact	System is turned off

Y-Control (EKEQFCBA only)

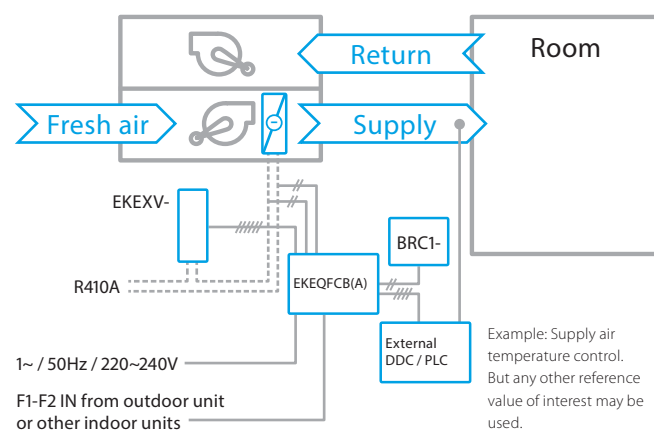
Capacity control to maintain constant evaporation (T_e - in cooling) / condensation (T_c - in heating) temperature. Temperature to maintain is configured via service setting (not end-user controllable) in range of $T_e = 5 \sim 12^\circ\text{C}$, $T_c = 43 \sim 49^\circ\text{C}$. An external system should give an On/Off command signal.



Input	Input value	Effect
Remote On/Off input	Closed contact	System is turned on
	Open contact	System is turned off

X-Control (EKEQFCBA only)

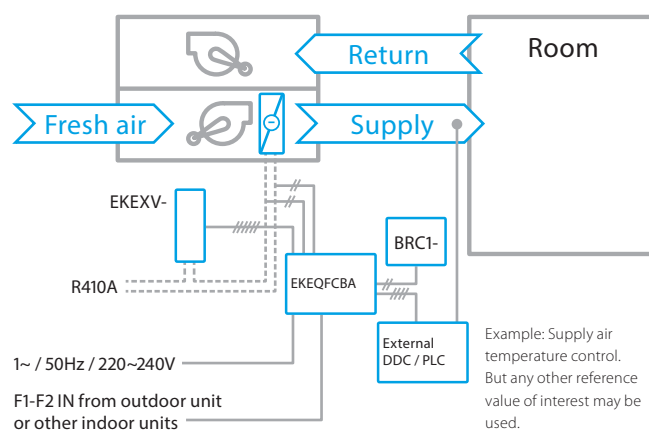
Capacity control by external DDC / PLC via a 0~10VDC analogue input signal. The analogue input signal controls capacity by changing the evaporation (T_e - in cooling) / condensation (T_c - in heating) temperature in ranges up to $T_e = -7 \sim 20^\circ\text{C}$, $T_c = 30 \sim 55^\circ\text{C}$. Very precise temperature control can be realized this way.



Input	Input value	Effect
Capacity control analogue input	<3V ... T_e increases / T_c decreases every minute	Supply air gets warmer every minute
	5V ... system maintains current capacity	Supply air temperature stays at same value
	>7V ... T_e decreases / T_c increases every minute	Supply air gets colder every minute
Remote On/Off input	Closed contact	System is turned on
	Open contact	System is turned off

W-Control (EKEQFCBA only)

Capacity control by external DDC / PLC via a 0~10VDC analogue input signal. The analogue input signal linearly controls capacity in 5 capacity steps, by changing the evaporation (T_e - in cooling) / condensation (T_c - in heating) temperature in ranges of $T_e = 6 \sim 13,5^\circ\text{C}$, $T_c = 31 \sim 46^\circ\text{C}$. The control logic allows to use commercial off-the-shelf DDC controllers without the need of reprogramming.



Input	Input value	Effect
Capacity control analogue input	0~1,5V: OFF	
	1,5~3,5V: $T_e = 13,5^\circ\text{C}$ / $T_c = 31^\circ\text{C}$	Approximately 40% capacity
	3,5~6,5V: $T_e = 11^\circ\text{C}$ / $T_c = 36^\circ\text{C}$	Approximately 60% capacity
	6,5~8,5V: $T_e = 8,5^\circ\text{C}$ / $T_c = 41^\circ\text{C}$	Approximately 80% capacity
	8,5~10V: $T_e = 6^\circ\text{C}$ / $T_c = 46^\circ\text{C}$	100% capacity
Remote On/Off input	Closed contact	System is turned on
	Open contact	System is turned off



Daikin Services

Saving energy doesn't stop with the purchase or installation of energy-efficient equipment; it has to be kept running under optimum conditions.

Good maintenance and servicing are key elements in ensuring the maximum performance.

Are you sure the filters are clean and none of the components are defective?
Are all of your settings correct?

Any of these things may lead to a reduced level of comfort. And while you may not notice the difference right away, you will certainly notice it at the end of the year – when you pay your energy bill.

Our Daikin design team is constantly striving to improve the energy efficiency of our systems.

We at Daikin Service are here to support you in keeping your units up and running efficiently by means of optimised commissioning and start-up, regular and preventative maintenance, remote monitoring, improving the performance of units, and providing cost effective upgrades to benefit from the efficiency gains from our latest state of the art technology.

Optimisation and upgrades



Intelligent remote monitoring



Upgrading / optimisation

Keep the installation in top condition



Care Packages

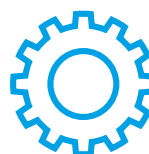


Installation support



Commissioning

Parts and repairs



Spare parts



Repair service

Commissioning

To guarantee your Daikin unit efficiency and long term performance, Daikin offers the **professional start-up of your Daikin system** by highly qualified, OEM educated engineers as part of the commissioning services.

Commissioning through an authorized Partner or by Daikin itself assures you that your unit is working as it should and is delivering all the benefits of a unique climate.

Every commissioning is documented as per Daikin standard and a detailed commissioning report is provided, detailing all activities done and recording the functioning of the units.



The prices listed are based on completion of the Pre-Commissioning checklist which covers a range of core activities including the general conditions at the site, provision of power and the required electrical distribution as well as installation related topics. This ensures that the service can be provided efficiently, on time and giving the best results. For the latest edition of the Pre-Commissioning checklist please visit: www.daikin-ce.com

Unit type / System Type	Number of Indoor Units					
	0-10 I/U	10-20 I/U	20-30 I/U	30-40 I/U	40-50 I/U	50-64 I/U
	Commissioning Price [€]					
VRV outdoor & system commissioning (per system, without indoor unit set-up)	215,-	275,-	330,-	385,-	440,-	495,-
Surcharge for indoor units set-up (per indoor unit). Needed especially for: • Ducted indoor units • Monovalent heating applications	10,-	per indoor unit,-				
PACKAGE price - Total commissioning including complete indoor unit set-up of all indoor units (per system)	280,-	430,-	585,-	740,-	895,-	1.050,-

Centralized controls

Unit type / System Type	Number of Indoor Units					
	0-10 I/U	10-20 I/U	20-30 I/U	30-40 I/U	40-50 I/U	50-64 I/U
	Commissioning Price [€]					
Comm. ITC/ITM/I-TAB (addresses already set) excl. PPD	60,-	100,-	125,-	155,-	185,-	220,-
Comm. ITC/ITM/I-TAB Cloud (addresses already set) incl. PPD	125,-	170,-	220,-	260,-	310,-	360,-
Comm. ITM visual navigation (supplemental cost)	35,-	45,-	60,-	80,-	90,-	105,-
Comm. Gateways (addresses already set, price per gateway)	125,-	125,-	125,-	125,-	125,-	125,-

Description	Material Number	Price €
Additional Services & Materials		
On Request		On Request
Labour rates		
Labour hour service engineer	CE.S_LA_HOUR	45,-
Labour hour service engineer +50%	CE.S_LA_HOUR50	68,-
Labour hour service engineer +100%	CE.S_LA_HOUR100	90,-
Labour hour service foreman	CE.S_LA_FOR	65,-
Labour hour project design	CE.S_LA_PRO	65,-
Normal working hours without surcharge	MON – THU: 08:00-17:00, FRI: 08:00-12:00	
50% surcharge	MON – FRI: 07:00-08:00 and 17:00-20:00, SAT: 07:00-20:00	
100% surcharge	Before 07:00 and after 20:00 and on Sundays and holidays	
Travel Costs (not including parking, highway tolls etc)		
Cost allowance per km	CE.S_TR_KM_AL	1,-
Flat travel fee per case	CE.S_TR_CASE	1,-
Special travel cost (plane, ferry...)	CE.S_TR_SPEC	1,-
Travel zone 1	CE.S_TR_Z1	on request
Travel zone 2	CE.S_TR_Z2	on request
Travel zone 3	CE.S_TR_Z3	on request
Travel zone 4	CE.S_TR_Z4	on request
Hourly rate for car travel	CE.S_TR_HOUR	27,-
Cancellation		
Failed travel (customer fault)	CE.S_COM_FAILTRAV	50% of planned activity
Training		
Full day Training per person per day (minimum 5 participants)	CE.S_LA_TRA	338,-

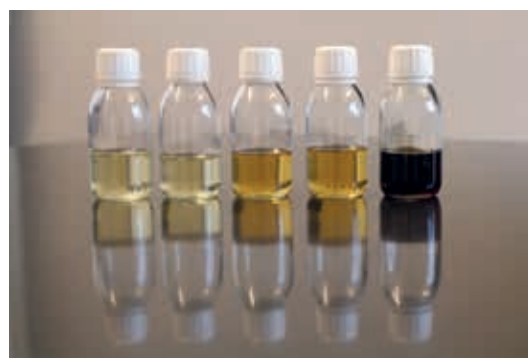
Maintenance

Maintenance is the key element to ensure the quality, efficiency and flawless operation of any asset. Our Care agreements are based on years of experience to ensure you reap the full benefits of having Daikin Certified engineers maintain your equipment. Preventive maintenance and regular service is a key component in securing your investment. Dust, temperature, humidity and load degrade the reliability and performance of a VRV system over time.

Regular maintenance of a unit or system ensures that electricity costs and performance are not jeopardized, and that the safety features and the entire system are in line with the latest standards and regulations.

Regular care safeguards your investment for the full lifetime of the Daikin System.

Downtime and failures are avoided, while keeping operating costs low, as they should be throughout the entire system lifecycle. **Preventive care plans** give you cost transparency avoiding



unexpected repair costs or degradation of comfort, quality or production loss.

Daikin Cares contains 3 different levels of maintenance agreements catering to your every need. In addition to these 3 Care packages Daikin offers a comprehensive set of options you can choose from.

1. Care:

Care is the minimal requirement to fulfil current legislation requirements, and makes sure your VRV system is operating in a correct fashion and according to parameters.

The Care package includes the following services:

- Scheduled Inspections based on predefined activities
- Soft- and firmware upgrades as needed and if required
- Validated Log book

2. Preventive Care:

Preventive Care keeps the VRV system in optimal condition for a long time.

In addition to the maintenance activities included in the Care package, Preventive Care includes:

- Service based on predefined activities
- Optimizations and analysis of the retrieved data
- On-site VRV system diagnostic and/or analysis during service intervention
- Recorded, retrievable service history of each VRV system
- Lifecycle report
- Emergency support & callout
- Access to technical assistance and repair service

3. Extended Care:

Extended Care provides maximum equipment availability at the minimum Total Cost of Ownership.

In addition to the activities mentioned in the Preventive care package, Extended Care includes:

- Labor- & travel cost, spare parts for planned maintenances are included
- Labor- & travel cost, spare parts for repairs are included
- Refrigerant is also included
- Remote Predictive Performance monitoring & Analysis
- Extension of warranty

Options:

Energy audit & report using VRV Cloud
Remote monitoring I-Net
Remote analysis using state of the art Big Data tools
Fleet management for larger systems or multi-site systems using I-Tap Cloud
Specialist support and consultancy

Price in €

Description	Care	Preventive Care	Extended Care
Maintenance up to 10IU	on request	on request	on request
Maintenance 11-20IU	on request	on request	on request
Maintenance 21-30IU	on request	on request	on request
Maintenance 31-40IU	on request	on request	on request
Maintenance 41-50IU	on request	on request	on request
Maintenance 51-64IU	on request	on request	on request

Options

Options				
Description				
Specialist support and consultancy per hour	on request			
Energy audit & report using VRV Cloud	on request			
Remote monitoring I-Net	on request			
Remote analysis using state of the art Big Data tools	on request			
Fleet management for larger systems or multi-site systems using I-Tab Cloud	on request			
	Monday-Friday 17-22h	Weekend, Holiday, Nights		
Emergency support	on request	on request		
	Call out Time 24h	Call out Time 16h	Call out Time 8h	Call out Time 4h
Call out Time (48h included in PR. and EX. CARE)	on request	on request	on request	on request

NOTE:

The listed prices are subject to change and might change without prior notification. Note that the prices are to be understood as NET prices without VAT and travel. The listed prices are based on order confirmation minimum 10 days before commencement of work.

Service

E-Parts

Find the correct spare part for your Daikin unit, check availability (real-time) and order online.

All in just a few simple steps.

Your benefits:

- › fast handling
- › free shipment
- › 24/7 accessibility
- › flexible delivery
- › "real time" availability

Register now to use the E-Parts service

Create access for you and your colleagues.

- Simply go to my.daikin.eu
- download the registration form
- fill it in
- and email it back to your local Daikin office

Always accessible for you

You can find the links to E-Parts and to the spareparts bank on our Business Portal:

<http://eparts.daikin-ce.com>
<https://my.daikin.eu>



Daikin Academy

To ensure the quality and efficiency of the service we deliver, we continuously invest in the development of know-how and skills of our staff.

We train and update them on the latest technical developments and service methods.

Daikin Central Europe also wants to support our partners and professionals to keep the service quality and efficiency at the highest possible level. Therefore we also provide various technical trainings and seminars to our partners and professionals.

Our trainings serve two different business needs and target groups:

Technical Service Product Trainings

These trainings are aimed for service technicians and engineers installing, commissioning, maintaining and servicing Daikin products. They are available only for Daikin direct customers (professional companies purchasing from Daikin).



Product Applications Seminars

These seminars are aimed at HVAC system designers and technical sales staff, transferring information on how to correctly design and apply systems with Daikin products

You want to learn more about how to keep your service at its best? Visit us on <https://www.daikin.mk> to find out more about Daikin training offerings or contact us and let us know how we can help you!



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Used abbreviations and nominal conditions

- 1.) Used abbreviations:
AHU ... Air Handling Unit
IU ... Indoor Unit
OU ... Outdoor Unit
HRV ... Heat Reclaim Ventilation
MFA ... Maximum Fuse Amps - The capacity of the circuit breaker or fuse securing the unit must not exceed this value
MCA ... Minimum Circuit Amps - The power supply wiring must be dimensioned (cross-section) for at least this value according to local and national legislation
- 2.) Nominal cooling capacities are based on following conditions:
Standard indoor units: – indoor temperature 27°CDB / 19°CWB – outdoor temperature 35°CDB – refrigerant piping length: 7,5m – level difference: 0m
LT Hydrobox: – leaving water temperature 18°C – delta T 5K – outdoor temperature 35°CDB – refrigerant piping length: 7,5m – level difference: 0m
- Nominal heating capacities are based on following conditions:
Standard indoor units: – indoor temperature 20°CDB – outdoor temperature 7°CDB – refrigerant piping length: 7,5m – level difference: 0m;
LT Hydrobox: – leaving water temperature 35°C – delta T 5K – outdoor temperature 7°CDB/6°CWB – refrigerant piping length: 7,5m – level difference: 0m
HT Hydrobox: – leaving water temperature 45°C – delta T 5K – outdoor temperature 7°CDB/6°CWB – refrigerant piping length: 7,5m – level difference: 0m

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Commercial terms and conditions (Last update: February 2018)

These commercial terms and conditions (hereinafter "Terms") shall apply to all of our offers, deliveries and services to companies (B2B). Part I shall apply to deliveries of goods. Part II shall apply to services by our customer service. Any individual agreements deviating from these Terms shall be valid only if confirmed by us in writing and duly signed. Any informal statements are invalid. Any commercial terms and conditions of the ordering party shall not be applicable. Acceptance of the goods is in any event deemed to constitute acknowledgment of our Terms. Our customer services to consumers (B2C) shall be subject to separate commercial terms and conditions. Our commercial terms and conditions can be found at www.daikin-ce.com.

I. COMMERCIAL TERMS AND CONDITIONS FOR DELIVERIES OF GOODS

1. OFFER

Our offers are without engagement and non-binding. Any representation of models and any information about dimensions, weights and technical data are non-binding and subject to production-related and model-related changes. Such changes shall not constitute a defect.

2. PLACING OF AN ORDER, CHANGE OF THE DELIVERABLE

- Orders must be placed in writing (by letter, fax or email or online ordering system). When Daikin confirms receipt of the order, this does not constitute an acceptance of the order. We are deemed to have accepted an order not until after we have explicitly confirmed acceptance in writing or actually executed that order. Any arrangement and agreement reached verbally and by phone must be confirmed in writing.
- We reserve the right to rescind the contract even after having accepted an order if information we have obtained about the customer's liquidity in the meantime suggests that the customer will not be able to pay for the entire or for part of the order.
- Having accepted an order, we also reserve the right to change and improve the deliverable, e.g. in respect of its type and design, to the extent the customer can be reasonably expected to accept such changes and improvements in consideration of our interests (e.g. delivery of an equivalent or more sophisticated device). Such changes and improvements are deemed approved in advance.
- The customer's cancellation or change of an entire or part of an order requires our written consent and entitles us to charge the customer - in addition to the services already provided and costs accrued - a (cancellation) fee equal to 20 % of the order value and at least € 250. For certain product groups, which are manufactured on the basis of a specific order, (e.g. multiple scroll, screw chiller, AHU etc), separate cancellation rules apply, which can be found at www.daikin-ce.com.

3. PRICES AND TERMS OF PAYMENT

- Prices are based on the price list, as amended from time to time, which is usually issued once a year. We reserve the right to change prices also during the year.
- Prices are understood to be net prices without any taxes, duties or charges in the quoted currency including packaging, unless otherwise indicated. We will not take back packaging and packing material.
- We will not accept any objections to invoices which are received more than two weeks after receipt of an invoice. Unless otherwise indicated, invoices are due net 30 days from the invoice date; the payment date is the date on which a payment is received by us. In case of late payment, we will charge default interest at a rate of 12% p.a. In case of default, we may also demand all costs related to the collection of our claim, including, without limitation, dunning and collection charges.
- If payment by instalments has been agreed, the maturity date will be accelerated if the customer is in default in respect of only one instalment.
- We may make deliveries dependent on advance payment.
- The customer may not withhold or offset payments in reliance on warranty or other claims

4. DELIVERY TIME

- Indicated delivery times are non-binding and for reference only, although we endeavour to meet indicated deadlines. The customer has no right to insist on compliance with a certain delivery time. As a consequence, delays in delivery will not entail any claims for damages and do not entitle the customer to rescind the contract. The same holds true if delivery deadlines are not met due to force majeure, strike or other events outside our control.
- We will not accept penalty claims asserted by the customer under any circumstances.
- Partial deliveries are permitted.
- If the ordering party is in arrears on an earlier delivery, Daikin may withhold deliveries pending payment of the earlier delivery and is not required to pay to the ordering party any damages in this respect.

5. ACCEPTANCE OF DELIVERIES, TRANSFER OF RISK, DELAYED ACCEPTANCE

- Unless otherwise agreed, deliveries are made CIP (Incoterms 2010) to the named destination.
- In principle, delivery CIP covers only minimum transport insurance. Additional transport insurance will be purchased only if explicitly requested by customer and subject to a separate agreement and at the customer's cost and expense.
- The customer must immediately check deliverables received by him or directly by his customers for any transport damage and he must record any damage to the packaging or the device in the delivery note and shall refuse delivery towards the forwarding agent. If the customer finds out only later that goods are damaged, the customer shall report any such damage to us immediately, in no case later than three working days after delivery; otherwise, any insurance claim may expire.
- If the customer is in delay with acceptance, we - notwithstanding our other rights - may charge the goods as delivered or may otherwise dispose of them without setting a time limit. If we otherwise dispose of the goods, the delivery time will recommence on the day we receive the customer's written request calling for delivery of the goods.
- We may charge the customer for any costs incurred due to late acceptance, including, without limitation, any storage costs, waiting periods, etc..

6. RESERVATION OF TITLE

- We will retain title to goods delivered pending full payment of all claims arising from our business relationship with the customer, even if the purchase price for specifically designated claims was paid. If our conditional goods are processed, we will acquire title to the new item without consideration. If the goods delivered by us are mixed, processed or combined with other items, the customer hereby assigns to us in proportion of the value of our invoices an ownership or co-ownership right of the combined or new item, both in respect of the interim and the final products.
- The customer may resell goods delivered by us and the items created by processing,

mixing or combining these only in the ordinary course of business. The customer hereby assigns to us any claims arising from such resale or from any other legal ground toward third parties, including, ancillary rights, in order to secure our - future - claims that may arise from our business relationship. The customer must record the assignment of these claims in his books not later than when the goods are resold.

- Before having paid the purchase price of an item, the customer may resell that item only if he simultaneously informs the second buyer (end customer) that the resale proceeds have previously been assigned.
- The customer may collect the assigned claims as long as he fulfils his payment obligations towards us according to the terms of the contract. The customer may not otherwise dispose of the conditional goods (e.g.: transfer of property by way of security, pledging).
- The customer must immediately inform us of any attachment or other impairment of the conditional goods and/or the assigned claims and explain to the third party that we have retained title to those goods. Any related cost will be borne by the customer.

7. WARRANTY

Unless otherwise agreed and excluding any further claims, we warrant for any defects and the absence of warranted qualities of the goods at the time of delivery as follows:

- Unless otherwise indicated below, the warranty period is 36 months of the delivery date (delivery to the forwarding agent). The customer bears the burden of proof that a defect had existed already at the time of delivery.
- The customer may assert a warranty claim only if the equipment is both installed and put into operation by Daikin or a company trained by Daikin according to the Daikin installation instructions and regularly maintained according to the Daikin service notes and/or operation instructions.
- No warranty and/or liability is accepted, unless the customer reports visible defects by giving written notice within 3 working days of delivery and any other defects are reported without delay after initial discovery.
- Unless specifically agreed, Goods branded as "Daikin Applied Systems", "Zanotti", "J&E Hall International for Daikin", "Tewis", "Hubbard" among others, which are typically manufactured on the basis of a specific order, such as chillers, applied heat pumps, condensing units (equipped with scroll, screw or centrifugal compressor), fan coil units (FCU), Air handling units (AHU) / rooftop units, refrigeration condensing units and Marine units include a 12-month warranty period, provided that the machine was put into operation by Daikin itself or by a company & person certified by Daikin.
- For "Rotex" branded products generally a 24-month warranty period is valid except for following variations: 10 years for underfloor heating pipes and system plates, VA-piping and various oil storage tanks. 5 years for solar panels, various system and highcube oil tanks and variocistern rainwater tanks. 3 years for hot water storage tanks HYC, SCS and SC.
- In a warranty event, we undertake, at our discretion, to repair the defective goods or components or to make available faultless goods or components. There are no other warranty remedies or claims whatsoever. Labour cost, travel times, supplies, such as, refrigerant, freezing agents, glycol and lubricants, or other costs (e.g. for installation, retrofitting) will not be reimbursed.
- Daikin, at its own discretion, can provide software and/or Hardware updates from time to time. Updates may include error corrections, improvements as well as upgrades and enhancements. Updates are provided to the customer in machine-readable and installable form, including installation instructions. The customer is required to install updates at his own cost and expense within a reasonable period of time. Any damage caused by a failure to install updates shall be the customer's sole responsibility, and Daikin does not accept any liability nor warranty due to the failure to update a unit.
- In addition to paragraphs 2 to 3, no warranty and/or liability is accepted for defects that have been caused by inadequate or improper use or treatment, failure to observe operating conditions or maintenance instructions, excessive use or inadequate operating materials or substitute materials or spare parts not provided by Daikin. In addition, no warranty is accepted for usual wear and tear of wearing parts, including, but not limited to, filters, burner nozzles, carbon brushes of engines, couplings, electrodes, protection anodes, UV probes, grids, oil or other consumables.
- Unless we are granted the required time and opportunity to take all necessary warranty measures, we are released from any warranty claims and damages. If the customer continues to use defective goods, we warrant and/or are liable only for the original defect. We will not reimburse any cost of repairs which are carried out without our express prior consent. We disclaim any liability for the consequences of such repairs.
- The warranty period for spare parts and other improvements is 6 months of delivery (delivery to the forwarding agent).
- If a defect is remedied, the warranty period will not recommence for the replaced or repaired components.
- We may refuse to remedy defects as long as the customer is in default with his payment obligations.
- If third-party products are delivered and installed, warranty is restricted to assigning the warranty claims we may assert against the supplier of the third-party product. The customer may not assert any other warranty claims and does not qualify for any claims for a price reduction.
- Daikin may request that parts claimed in Warranty Claims as malfunctioning be provided for detailed investigation, this includes broken, defective or assumed damaged goods, parts or systems. In cases where the investigation reveals the warranty claim is unfounded and the warranty is rejected (e.g. part was damaged by external factors, lack of maintenance, part is working properly, etc.) investigation and/or shipment fees may apply.

8. LIABILITY

We are liable for damage only if we demonstrably acted with intent or gross negligence. We disclaim any liability for slight negligence. We are particularly not liable for consequential damage (e.g. idle times due to wrong deliveries) and financial loss, lost profit, unachieved savings, loss of interest and any damage suffered from third-party claims against the customer, unless the foregoing is attributable to our intent or gross negligence. If damage is attributable to the defective condition of goods delivered to us, we are liable only to the extent the producer or upstream supplier is liable to us. Our liability does in any case not exceed the invoice value of the incriminated goods.

9. RETURNED GOODS

- Goods can be returned and exchanged only upon our express and written consent. We accept returned goods only with a minimum net value of € 100.00 per item and a maximum net value of € 50,000.00 per item and only provided that those goods are not damaged, have not been used, are in original packaging and are fit for resale. In particular, returns of already installed units (including chillers) and returns of any made to order units as well as spare parts are not permitted.

- The customer shall complete the "Request for Goods Return" form (available at the Daikin Business Portal <https://my.daikin.eu>) and send it to us to the fax number or email address provided by us within 10 calendar days after delivery, otherwise we will not accept the return.
- Goods must be returned freight paid at the risk of customer to the destination indicated by us.
- In every case of a return, a maximum of 80% of the net price charged by us to the customer will be credited. All standard returns will be subject to a restocking / administration charge of 20% of the net price.
- All returns will be inspected by us. If goods are returned wrongly (i.e. not in compliance with paragraph 1. Above), we may refuse the returns and have them returned back to the customer at the customer's risk and costs. Alternatively, we may charge a higher restocking / administration fee than the above mentioned 20%.
- Credit notes of any nature whatsoever will exclusively be offset against future deliveries.

10. INSTALLATION

It is the responsibility of the customer to install and commission the goods and to ensure its employees, agents and subcontractors or any other persons used by the customer to install and commission the goods are fully trained to do so and that the terms of any instructions or manuals provided with the goods are followed.

11. ENVIRONMENT, LICENCES

- The customer shall be responsible for all costs, charges, and expenses arising from or in connection with the decommissioning, recovery, recycling and disposal of all or part of the goods and shall not seek to recover such expenses or contribution from us.
- The customer is responsible for obtaining and complying with all relevant licenses, permissions, permits and consents from appropriate regulatory bodies and for complying with any other lawful authority in connection with the storage, installation, operation, use, maintenance, repair, transportation, decommissioning, recovery and eventual disposal of the goods.
- Where the customer sells all or part of the goods to another party, the customer may enter into a similar covenant with that party.

12. CONFIDENTIALITY

- All information and/or advice, whether written or oral, whether in relation to the goods or to our business, given by us to the customer, shall not be disclosed to any third party without our prior written consent, save to the extent that such information and/or advice is in the public domain otherwise than by virtue of a breach of this condition or that the disclosure is required by law.
- The customer shall promptly give notice to us of any disclosure required by law and we may seek an appropriate remedy to prevent such disclosure. The customer undertakes to fully co-operate with us (at the customer's own expense) if we reject the validity of such a requirement.

13. INTELLECTUAL PROPERTY RIGHTS

- The customer shall have no rights to any intellectual property owned by or licensed to us.
- The customer shall not allow any trademark or instruction or warning applied to the goods to be obliterated or obscured.
- All designs, samples, models, experimental equipment, marketing devices, accessories and other items relating to the goods or their development or creation shall remain our property, shall be treated as confidential and shall not be copied, reproduced or disclosed to any person without our prior written consent.

14. PERSONAL DATA

- The customer's personal data, which we received on the occasion of an order, will be electronically stored and processed for the purposes of fulfilling the order, providing goods and services to the customer, managing the relationship with the customer, for our internal accounting and processes and for legal or regulatory purposes. For some of these purposes we may need to share the customer's data with third parties but we always ensure that the data are kept confidential and protected by third parties.
- The customer agrees that we may ask credit reference agencies and/or credit insurance or collection companies to run credit searches or checks against the customer in order to assess the customer's financial performance and that we may pass on the customer information (name, address, contact details, name of owner, order details, order history, payment behavior, customer balance) to companies such as Atradius Credit Insurance N.V., Zweigniederlassung Österreich, CRIF GmbH, Österreich, Akzeptia Inkasso GmbH or others for this purpose.
- The customer further agrees that we and other members of our group (as mentioned at www.daikin.com) may use the customer's personal data (name, address, contact details, order details and history) also for our own marketing purposes and contact the customer by phone, e-mail or SMS or other messaging service about our products and services which may be of interest to the customer. The customer may revoke his consent at any time. For details and specific applications e refer to our b2b & b2c privacy policy which can be found at www.daikin-ce.com.

15. PLACE OF JURISDICTION, APPLICABLE LAW

- All disputes arising from or in connection with this Agreement shall be exclusively referred to the courts in Vienna.
- All contracts concluded by us and all disputes arising in connection with those contracts shall be governed by and construed in accordance with Austrian law without giving effect to its conflict of law rules and the UN Sales Convention.

16. SEVERABILITY

Should any term of these commercial terms and conditions or of the contract concluded between us and the customer be invalid or ineffective, this shall not affect the remaining terms hereof or thereof. Invalid terms shall be replaced by lawful terms which closest reflect the parties' intent.

II. COMMERCIAL TERMS AND CONDITIONS FOR SERVICES

The following conditions shall apply to services provided by our customer service, such as installation, putting into operation, inspection and troubleshooting, repair and maintenance.

1. SCOPE OF SERVICES

- The precise scope of service results from our written offer or our written confirmation of order. Any additional services not expressly indicated in the offer and/or the confirmation of order and provided by us on the customer's request will be charged separately pursuant to our applicable price list. The same shall apply if an on-site inspection provides that further services are required.
- In case of remote monitoring units, our customer service will take action only if instructed by the customer or that such action is agreed upfront in writing.
- We provide services only for the equipment and unit components delivered and/or produced by us. The scope of services therefore does not include a test of third-party components, a leak test of supply pipes created by the customer, a test of electric supply and/or connection lines, a hydraulic adjustment of the unit. In case of units consisting of third components, our services do not include an inspection of the entire unit. We will in particular not check whether the unit is complete and whether its safety devices are consistent with pertinent regulations and the state of the art.
- We are not required to check whether information provided and documents (e.g. descriptions of units, schemes) supplied by the customer are correct.

2. COST ESTIMATES

- Cost estimates are non-binding and without engagement.
- If we provided a cost estimate or a package offer, we will obtain prior consent by the customer in respect of any necessary additional work that can only be identified upon execution, is required to create operability and exceeds 10% of the sum total.

3. DUTIES TO COOPERATE

- The customer shall ensure that any cooperation required for the provision of services owed by us is granted timely and free of charge.
- The customer shall in particular grant access to the units as required. The customer shall provide at the customer's own cost and expense all necessary technical requirements (e.g. power supply), unless such requirements are to be provided by us under a special agreement. The customer shall ensure that the respective operating site is sufficiently lit. If required, the customer shall provide ladders and scaffolding to enable our employees to easily access the site safely. The operating site must be easily accessible with a customer service vehicle.
- The customer shall provide all necessary information and documents to enable a smooth provision of the agreed services. Before the provision of services commences, the customer shall in particular disclose any change made by the customer or third parties to standard settings, the control system and other parameters as well as any damage to the unit the customer is aware of.
- When a unit is put into operation, the customer shall also provide the requirements referred to in our related conditions.
- If the customer does not properly cooperate, we may discontinue our work. In addition, the customer shall bear all related extra costs, including idle times of our employees who cannot be used otherwise on short notice, as well as any costs for additional travel time, based on the applicable prices of our price list.

4. PRICES AND TERMS OF PAYMENT

- Prices for services are based on the service price list applicable when an order is placed, unless our written offer provides otherwise.
- Services will generally be charged based on time actually spent at the agreed hourly rates plus travel expenses based on flat fees or time actually spent (km and time).
- Our regular service hours are from Mon-Fri from 08.30 to 16.30. A 50% surcharge on regular compensation will be charged outside such service times. A 100% surcharge on compensation will be charged for work provided on Sundays, public holidays and from 20.00 to 07.00.
- Spare parts will be charged on the basis of the price list applicable on the date of replacement of a unit component. We shall retain title to spare parts pending full payment of an invoice.
- Invoices will be issued after performance of service, or upon mutual written agreement.
- If an order is cancelled by the customer, or the site/unit is inaccessible or unavailable the customer will be charged 50% of the order value plus travel expenses, but at least EUR 250.00.
- Unless otherwise indicated, invoices shall be due and payable without deduction immediately after invoicing.
- Otherwise, Section 3 (Prices and Terms of Payment) of our terms and conditions of sale shall apply mutatis mutandis.

5. WARRANTY

- We warrant for the diligent, professional provision of services. All services will be provided by qualified personnel.
- No warranty is accepted, unless the customer gives written notice of visible defects within 3 working days of performance of the service and of any other defects without delay after initial discovery.
- Otherwise, Section 7 (Warranty) of our terms and conditions of sale shall apply mutatis mutandis.

6. MISCELLANEOUS

Unless otherwise provided herein, the provisions of our terms and conditions of sale, especially those concerning delivery times, reservation of title, liability, environment and licenses, personal data, jurisdiction and applicable law shall apply to services mutatis mutandis.

The Daikin Commercial terms and conditions are also available in the internet at www.daikin-ce.com

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