DAIKIN

EPCE01-10

Commercial Catalogue

OZONE FRIENDLY
R-407C

Air Conditioners for shops, restaurants, offices ...

advanced engineering

maximum comfort

quality

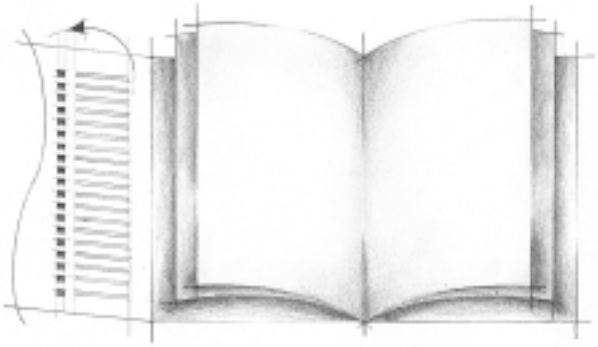
eco friendly

Daikin Air Conditioning :
the perfect route
to personal pleasure,
comfort and relaxation

interior climate control

silence

reliability



To consult the explanation of the pictogrammes,
please open the flap of this catalogue.

Daikin air conditioners offer a comprehensive range of features to enhance your comfort. In this catalogue, main features are represented by following pictogrammes:

Infrared remote control
Infrared control with LCD to start, stop and regulate the air conditioning units from a distance.

Wired remote control
Wired control to start, stop and regulate the air conditioner from a distance.

Centralised control
Controller to start, stop and regulate several air conditioning units from one central point.

Auto swing
Possibility to select automatic moving of the air discharge louvre, for uniform air flow and temperature distribution.

Auto restart
After power failure, unit restarts automatically at the original settings.

Auto cooling/heating changeover (heat pump)
Automatically selects cooling or heating mode to achieve the set temperature (heat pump types only).

Dry programme
Allows humidity levels to be reduced without variations in room temperature.

Fan only
The air conditioner can be used as a fan, blowing air without cooling or heating.

Fan speed: steps
Allows to select up to the given number of steps.

Ceiling soiling prevention
A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.

Timer
Allows to preset the air conditioner to start/stop within a specified period.

Self diagnosis
Simplifies maintenance by indicating system faults or operating anomalies.

Double thermostat function
Controls the temperature via a sensor on the air conditioner or via a sensor on the remote control.

Draught prevention
When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.

Whisper quiet
Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood.

Energy efficiency
Daikin air conditioners are energy efficient and economical.

Air filter
Removes airborne dust particles to ensure a steady supply of clean air.

Standard drain pump kit
Facilitates condensation draining from the indoor unit.

Twin/triple/double twin application
2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities.
All indoor units operate within the same mode (cooling or heating) from one remote control.

Multi model application
Up to 5 indoor units (even different capacities) can be connected to only 1 outdoor unit.
All indoor units can be individually operated within the same mode.

A pleasant and comfortable environment

thanks to:

- air conditioning equipment for every conceivable application
- extremely low sound levels
- a hard to beat elegant & stylish design

Table

At Daikin Europe, great efforts are taken to ensure product reliability and quality:

- All air conditioners comply with European regulations to guarantee product safety.
- Daikin Europe NV is an ISO9001 certified company assuring quality of design, development, manufacturing and after sales service.
- Daikin Europe NV signed the Eurovent License Agreement giving the assurance that product specifications are accurate.
- ISO14001 assures an effective environmental management system.

This catalogue gives an overview of the ozone-friendly Daikin Air Conditioners developed specially for commercial use: for shops, restaurants, hotel or small offices.
This range contains several models which are available in cooling only or heat pump format (for either cooling or heating).

Daikin also produces a very wide range of ozone-friendly Air Conditioners for residential use. More details can be found in our brochure "Air Conditioners for your home ..."

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Some things are the same the world over :

a pleasant living environment for example, is something we all aspire to.

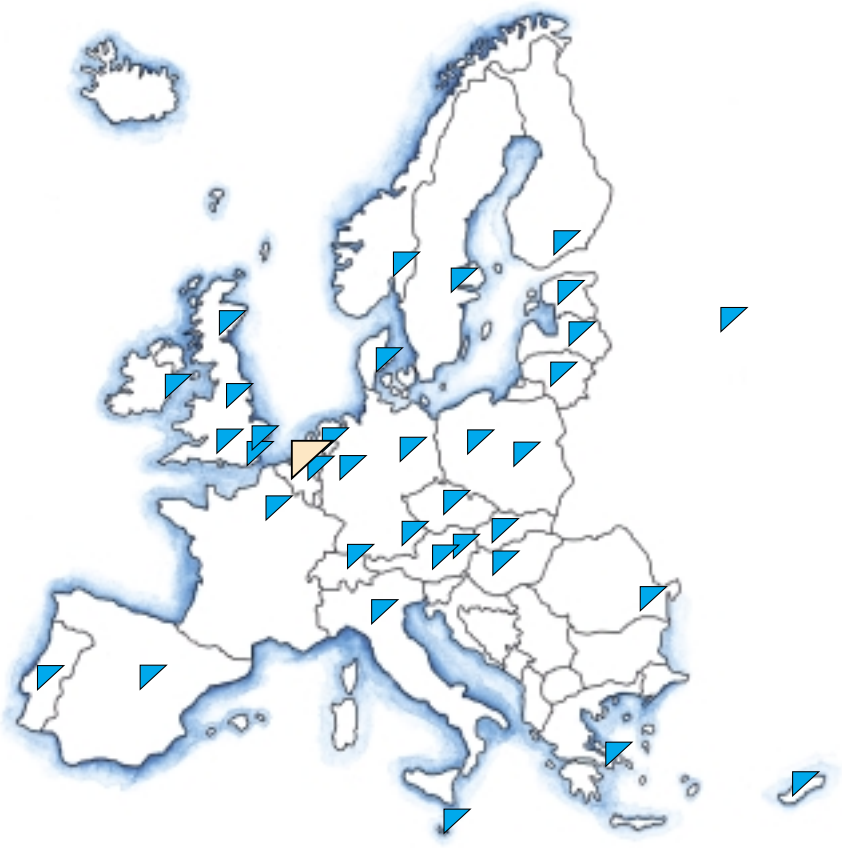
Daikin ensures a well balanced environment by combining pure,

conditioned air with low sound level and easy maintenance.

Together with exceptional reliability and service, this makes Daikin

the most convenient, trouble-free air conditioning in the world.

Daikin Europe NV, Belgium



Worldwide

Daikin has a worldwide reputation of over 70 years experience in succesfully manufacturing high quality air conditioners for industrial, commercial and residential use. Much of Daikin's equipment is produced in Ostend, Belgium and distributed throughout Europe by an extensive network of specialists.

Daikin is a truly worldwide operation. Each national branch has the full support of the most modern laboratory facilities at Daikin Japan. The result is one of the most reliable ranges of air conditioning products in the world.

Daikin Industries Ltd., Japan

optional optional optional

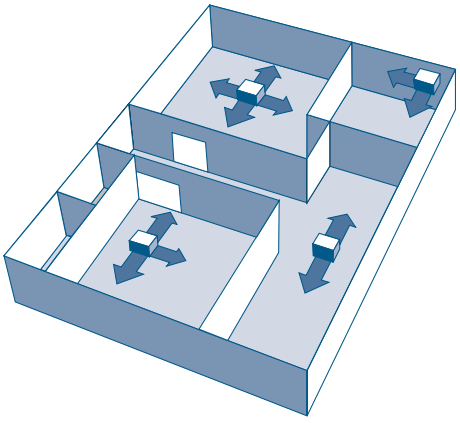
AUTO

heat pump

DRY

2 steps

FHYCP35~125 FHC35~60



choice between several air flow patterns

Ceiling mounted units are ideal for rooms where floor and wall space is needed for furniture and fittings. The unit's flat form and exceptional compactness gives the room that extra touch of modern sophistication.

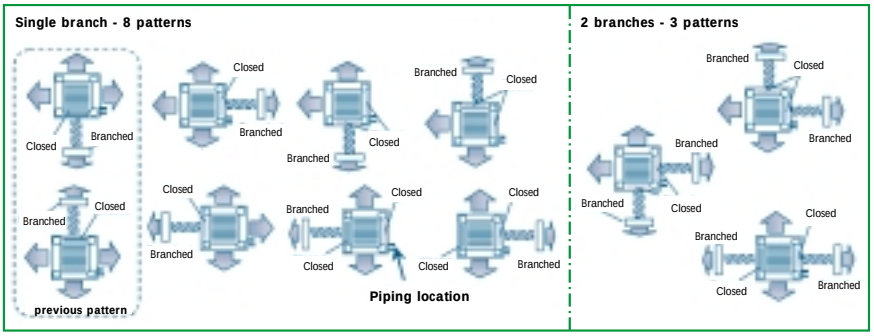
Conditioned air can be discharged in any of 4 directions. The closure of individual louvres enables 8 different airflow patterns to be selected, according to room shape and layout. Possibility to shut 1 or 2 flaps for easy installation in corners or to use 1 or 2 branches.

Air flow distribution can be adapted to suit ceiling heights up to 4.2 m without loss of capacity.

The choice is yours to operate the ceiling mounted units from an infrared remote control or a wired remote control.
Centralised control of several units is possible via 3 compact controls: a central remote control, a unified ON/OFF control and a schedule timer, all of which may be used independently or in combination.

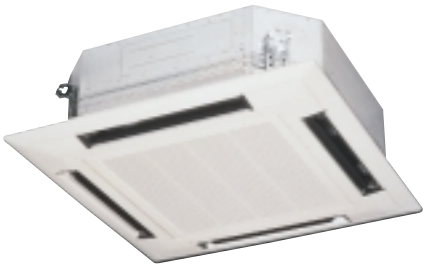
infrared remote control

wired remote control



use of branches

new



4-WAY BLOW CEILING MOUNTED CASSETTE

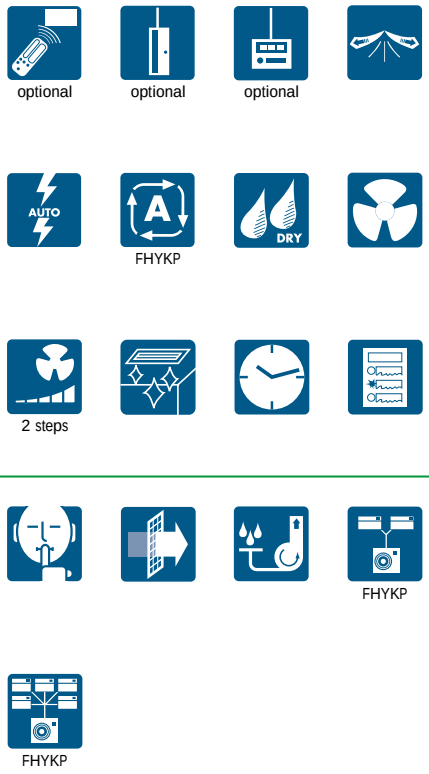
FH(Y)C-BZ7/FHYCP-B7

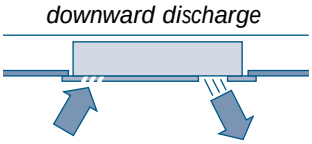
COOLING ONLY

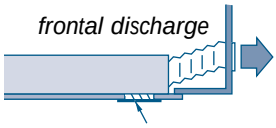
INDOOR UNIT			FHC35BZ7V1	FHC45BZ7V1	FHC60BZ7V1	FHYCP71B7V1	FHYCP100B7V1	FHYCP125B7V1
Cooling capacity			3.80	5.20	6.50	7.1	10.0	12.2
Power input			1.36	2.20/2.10	2.67	2.62/2.58/2.58	3.77/3.55/3.55	4.58/4.58
Dimensions	unit	mm	230x840x840				288x840x840	
HxWxD	decoration panel	mm	40x950x950				40x950x950	
Weight	unit	kg	23				27	
	decoration panel	kg	5				5	
Colour	decoration panel		white			white		
Air flow rate		m³/min	14/10	15/11	18/14	18/14	28/21	31/24
Fan speed			2 steps			2 steps		
Sound pressure level	H/L	dB(A)	31/27	31/37	33/28	33/28	37/32	40/35
Sound power level	H/L	dB(A)	48	48	50	50	53	56
Piping connections	liquid (flare)	mm	Ø 6.4	Ø 6.4	Ø 6.35	Ø 9.5	Ø 9.5	Ø 9.5
	gas (flare)	mm	Ø 12.7	Ø 15.9	Ø 15.9	Ø 15.9	Ø 19.1	Ø 19.1
	drain (VP25)	ID mm	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25
		OD mm	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32
Heat insulation			both liquid and gas pipes			both liquid and gas pipes		
OUTDOOR UNIT: pair application			R35GZ7V11	R45GZ7V11/W11	R60GZ7W1	RP71B7V1/W1/T1	RP100B7V1/W1/T1	RP125B7W1/T1
See page			23	23	23	23	23	23
OUTDOOR UNIT: multi model application			MA56/MA90GZ7W11	MA56/MA90GZ7W11	MA90GZ7W11	not possible		
See page			27	27	27			
ACCESSORIES	See page		28	28	28	28	28	28

HEAT PUMP

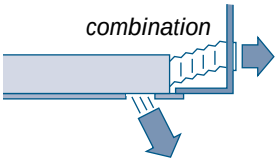
INDOOR UNIT			FHYCP35B7V1	FHYCP45B7V1	FHYCP60B7V1	FHYC35BZ7V1	FHYC45BZ7V1	FHYCP71B7V1	FHYCP100B7V1	FHYCP125B7V1
Capacity	cooling		For Twin/Triple/Double twin application only			3.60	4.90	7.1	10.0	12.2
	heating					4.10	5.50	7.7	11.2	14.6
Power input	cooling					1.51	2.04	1.62/2.58	3.77/3.55	4.58
	heating					1.46	1.91	2.67/2.62	3.92/3.70	4.38
Dimensions	unit	mm	230x840x840			230x840x840			288x840x840	
	decoration panel	mm	40x950x950			40x950x950			40x950x950	
Weight	unit	kg	23			23			27	
	decoration panel	kg	5			5			5	
Colour	decoration panel		white			white			white	
Air flow rate	cooling	m³/min	14/10	15/11	18/14	14/10	15/11	18/14	28/21	31/24
	heating	m³/min	14/10	15/11	18/14	14/10	15/11	18/14	28/21	31/24
Fan speed			2 steps (direct drive)			2 steps (direct drive)			2 steps (direct drive)	
Sound pressure level	cooling	dB(A)	31/27	31/27	33/28	31/27	31/37	33/28	37/32	40/35
(H/L)	heating	dB(A)	31/27	31/27	33/28	31/27	31/37	33/28	37/32	40/35
Sound power level	cooling	dB(A)	48	48	50	48	48	50	53	56
(H/L)	heating	dB(A)	48	48	50	48	48	50	53	56
Piping connections	liquid (flare)	mm	Ø6.4	Ø6.4	Ø9.5	Ø6.4	Ø6.4	Ø9.5	9.5	9.5
	gas (flare)	mm	Ø12.7	Ø15.9	Ø15.9	Ø12.7	Ø15.9	Ø15.9	19.1	19.1
	drain (VP25)	ID mm	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25
		OD mm	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32
Heat insulation			both liquid and gas pipes			both liquid and gas pipes			both liquid and gas pipes	
OUTDOOR UNIT: pair application			TWIN/TRIPLE/DOUBLE TWIN APPLICATION ONLY			RY35EAZ7V1	RY45EAZ7V1	RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1
See page						24	24	24	24	24
ACCESSORIES	See page		28	28	28	28	28	28	28	28







closed by the decoration panel



The corner unit is designed specifically for use in rooms with shallow ceiling voids (only 21.5cm ceiling height) and leaves maximum floor and wall space for furniture, decoration and fittings.

Optimum air flow conditions are created by either downward air discharge, frontal air discharge (via optional grille) or a combination of both. All components are easily accessible via the decoration panel.

Air flow distribution can be adapted to suit ceiling heights up to 3.8m without capacity loss. Automatic air flow director ensures uniform air flow and temperature distribution.

Centralised control of several units is possible via 3 compact controls : centralised remote control, unified ON / OFF control and schedule timer, all of which may be used independently or in combination.

infrared remote control

wired remote control

new

CEILING MOUNTED CORNER CASSETTE

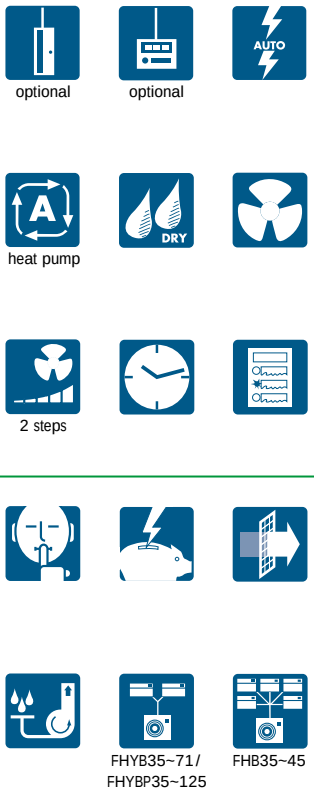
FHK-BZ/FHYKP-B

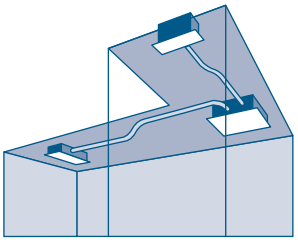
COOLING ONLY

INDOOR UNIT			FHK35BZV1	FHK45BZV1	FHK60BZV1	FHYKP71BV1
Capacity		kW	3.75	5.18	6.50	7.1
Power input		kW	1.29	2.16/2.06	2.67	2.64/2.62/2.62
Dimensions	unit	mm	215x1,110x710		215x1,310x710	
(HxWxD)	decoration panel	mm	70x1,240x800		70x1,440x800	
Weight	unit	kg	30	31	33	
	decoration panel	kg	8.5		9.5	
Colour	decoration panel		white		white	
Air flow rate		m^3/min	12/9	12/10	17/14	
Fan speed			2 steps		2 steps	
Sound pressure level	H/L	dB(A)	40/34	40/35	42/37	
Sound power level	H/L	dB(A)	50/44	50/45	52/47	
Piping connections	liquid (flare)	mm	Ø 6.4	Ø6.4	Ø 6.4	Ø 9.5
	gas (flare)	mm	Ø 12.7	Ø 15.9	Ø 15.9	Ø 15.9
	drain (VP25)	ID mm	Ø 25	Ø 25	Ø 25	Ø 25
		OD mm	Ø 32	Ø 32	Ø 32	Ø 32
Heat insulation			both liquid and gas pipes		both liquid and gas pipes	
OUTDOOR UNIT: pair application			R35GZ7V11	R45GZ7V11/W11	R60GZ7W11	RP71B7V1/W1/T1
See page			23	23	23	23
OUTDOOR UNIT: multi model application			MA56/90GZ7W11	MA56/90GZ7W11	MA90GZ7W11	not possible
See page			27	27	27	
ACCESSORIES	See page		28	28	28	28

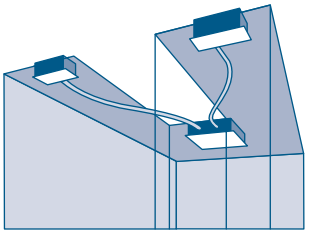
HEAT PUMP

INDOOR UNIT			FHYKP35BV1	FHYKP45BV1	FHYKP60BV1	FHYKP71BV1
Capacity	cooling	kW	For Twin/Triple/Double twin application only			7.1
	heating	kW				7.7
Power input	cooling	kW				2.64/2.62
	heating	kW				2.68/2.67
Dimensions	unit	mm	215x1,110x710		215x1,310x710	
	decoration panel	mm	70x1,240x800		70x1,440x800	
Weight	unit	kg	30	31	33	
	decoration panel	kg	8,5	8,5	9,5	
Colour	decoration panel		white		white	
Air flow rate	cooling	m^3/min	12/9	12/10	17/14	
	heating	m^3/min	12/9	12/10	17/14	
Fan speed			2 steps		2 steps	
Sound pressure level	cooling	dB(A)	40/34	40/35	42/37	
H/L	heating	dB(A)	40/34	40/35	42/37	
Sound power level	cooling	dB(A)	50/44	50/45	52/47	
H/L	heating	dB(A)	50/44	50/45	52/47	
Piping connections	liquid (flare)	mm	Ø 6.4	Ø 6.4	Ø 9.5	Ø 9.5
	gas (flare)	mm	Ø 12.7	Ø 12.7	Ø 15.9	Ø 15.9
	drain (VP25)	ID mm	Ø 25	Ø 25	Ø 25	Ø 25
		OD mm	Ø 32	Ø 32	Ø 32	Ø 32
Heat insulation			both liquid and gas pipes		both liquid and gas pipes	
OUTDOOR UNIT: pair application			TWIN/TRIPLE/DOUBLE TWIN APPLICATION ONLY			RYP71B7V1/W1
See page			26	26	26	24
ACCESSORIES	See page		28	28	28	28





irregularly shaped room



wired remote control

The Daikin concealed ceiling unit is well suited to restaurants, open-plan offices, appartments, entrance halls and especially in irregularly shaped rooms. Since the position of the individual air discharge grilles can be altered, a uniform temperature can be achieved.

This unit blends unobtrusively with any interior décor and leaves maximum floor and wall space for furniture, decoration and fittings.

The air suction direction can be altered from rear to bottom suction.

The switch box can be reached from the side or from the bottom side of the unit for easy servicing.

Centralised control of several units is possible via 3 compact controls: a central remote control, a unified ON/OFF control and a schedule timer, all of which may be used independently or in combination.

new

CONCEALED CEILING UNIT

FH(Y)B-GZ/FHYBP-B7

COOLING ONLY

INDOOR UNIT			FHB35GZ7V1	FHB45GZ7V1	FHYBP71B7V1	FHYBP100B7V1	FHYBP125B7W1
Capacity		kW	3.70	4.90	7.1	10.0	12.2
Power input		kW	1.40	2.23/2.13	2.74/2.70/2.70	3.72/3.55/3.55	4.58/4.58
Dimensions	unit	mm	300x700x800		300x1,000x800	300x1,400x800	
(HxWxD)	decoration panel	mm	55x880x500		55x1,000x800	55x1,500x500	
Weight	unit	kg	30	31	41	51	52
	decoration panel	kg	3.5		4.5	6.5	
Colour	decoration panel		white		white		
Air flow rate	H/L	m^3/min	11.5/9	14/10	19/14	27/20	35/24
Fan speed			2 steps		2 steps		
Sound pressure level	H/L	dB(A)	33/29		34/30	36/31	38/32
Sound power level	H	dB(A)	52	53	60	62	63
Piping connections	liquid x no	mm	Ø6.35 x 1	Ø6.35 x 1	Ø9.52 x 1	Ø9.52 x 1	Ø9.52 x 1
	gas x no	mm	Ø12.7 x 1	Ø15.9 x 1	Ø15.9 x 1	Ø19.1 x 1	Ø19.1 x 1
	drain	I.D.mm	Ø25	Ø25	Ø25	Ø25	Ø25
		O.D.mm	Ø32	Ø32	Ø32	Ø32	Ø32
Heat insulation			both liquid and gas pipes		both liquid and gas pipes		
OUTDOOR UNIT: pair application			R35GZ7V11	R45GZ7V11/W11	RP71B7V1/W1/T1	RP100B7V1/W1/T1	RP125B7W1/T1
See page			23	23	23	23	23
OUTDOOR UNIT: multi model application			MA56/90GZW11	MA56/90GZW11	not possible		
See page			27	27			
ACCESSORIES	See page		29	29	29	29	29

HEAT PUMP

INDOOR UNIT			FHYBP35B7V1	FHYBP45B7V1	FHYBP60B7V1	FHYB35GZ7V1	FHYB45GZ7V1	FHYBP71B7V1	FHYBP100B7V1	FHYBP125B7V1
Capacity	cooling	kW	for Twin/Triple/Double twin application only			3.60	4.90	7.10	10.0	12.2
	heating	kW				4.10	5.50	7.70	11.2	14.5
Power input	cooling	kW				1.64	2.09	2.74/2.70	3.72/3.55	4.58
	heating	kW				1.46	1.97	2.44/2.40	3.94/3.77	4.38
Dimensions	unit	mm	300x700x800		300x1,000x800	300x700x800		300x1,000x800	300x1,400x800	
	decoration panel	mm	55x880x500		55x1,100x500	55x880x500		55x1,100x500	55x1,500x500	
Weight	unit	kg	30	31	41	30	31	41	51	52
	decoration panel	kg	3.5		4.5	3.5		4.5	6.5	
Colour	decoration panel		white			white		white		
Air flow rate	cooling	m^3/min	11.5/9	14/10	19/14	11.5/9	14/10	19/14	27/20	35/24
	heating	m^3/min	11.5/9	14/10	19/14	11.5/9	14/10	19/14	27/20	35/24
Fan speed			2 steps			2 steps		2 steps		
Sound pressure level	cooling	dB(A)	33/29	33/29	34/30	33/29	33/29	34/30	36/31	38/32
(H/L)	heating	dB(A)	33/29	33/29	34/30	33/29	33/29	34/30	36/31	38/32
Sound power level	cooling	dB(A)	52	53	60	52	53	60	62	63
(H)	heating	dB(A)	52	53	60	52	53	60	62	63
Piping connections	liquid x no	mm	Ø 6.35x1	Ø 6.35x1	Ø 9.52x1	Ø 6.35x1	Ø 6.35x1	Ø 9.52x1	Ø9.52x1	
	gas x no	mm	Ø 12.7x1	Ø 15.9x0.95	Ø 15.9x1	Ø 12.7	Ø 15.9x0.95	Ø15.9x1	Ø 19.1x1	
	drain (VP25)	ID mm	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25
		OD mm	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32	Ø 32
Heat insulation			both liquid and gas pipes			both liquid and gas pipes		both liquid and gas pipes		
OUTDOOR UNIT: pair application			TWIN/TRIPLE/DOUBLE TWIN APPLICATIN ONLY			RY35EAZ7V1	RY45EAZ7V1	RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1
See page			26	26	26	24	24	24	24	24
ACCESSORIES	See page		29	29	29	29	29	29	29	29

optional

wired remote control

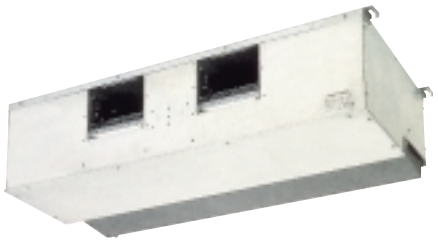
Compact FDYP units are concealed ceiling units with a high external static pressure and very low sound levels. Its casing is very compact with a height of 350mm (125 class) or 450mm (200 and 250 class).

This air conditioning system can be integrated discretely with any interior décor and optimises air distribution even within irregulary shaped rooms.

High external static pressure ranges from 150 to 250Pa.

Centralised control of several units is possible via 3 compact controls: centralised remote control, unified ON / OFF control and schedule timer, all of which may be used independently or in combination.

new



CONCEALED CEILING UNIT

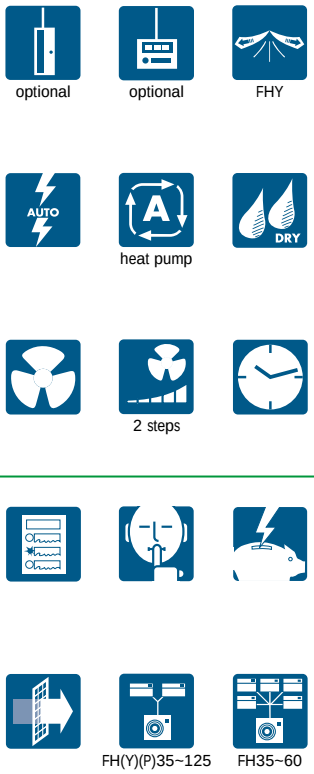
FDYP-B7

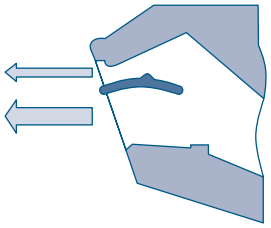
COOLING ONLY

INDOOR UNIT			FDYP125B7V1	FDYP200B7V1	FDYP250B7V1
Capacity		kW	12.4	20.0	25.0
Power input		kW	4.70	8.34	10.28
Dimensions	HxWxD	mm	350x1,400x662	450x1,400x900	
Weight		kg	59	90	92
Air flow rate	M	m^3/min	43	69	89
Fan speed			3 steps		2 steps
Sound pressure level		dB(A)	44	45	47
Sound power level		dB(A)	75	81	82
Piping connections	liquid	mm	Ø 9.52 (flare)	Ø 12.7 (flare)	Ø 15.9 (flare)
	gas	mm	Ø 19.1 (flare)	Ø 28.6	Ø 28.6
	drain	ID mm	Ø 23	Ø 23	Ø 23
		OD mm	Ø 25	Ø 25	Ø 25
Heat insulation			both liquid and gas pipes		
OUTDOOR UNIT: pair application			RP125B7W1/T1	RP200B7W1	RP250B7W1
See page			23	23	23
ACCESSORIES	See page		29	29	29

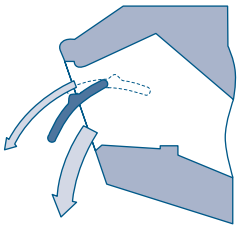
HEAT PUMP

INDOOR UNIT			FDYP125B7V1	FDYP200B7V1	FDYP250B7V1
Capacity	cooling	kW	12.4	19.5	25.0
	heating	kW	14.6	23.1	27.0
Power input	cooling	kW	4.70	8.33	9.77
	heating	kW	4.51	7.40	8.60
Dimensions	HxWxD	mm	350x1,400x662	450x1,400x900	
Weight		kg	59	90	92
Air flow rate (M)	cooling	m^3/min	43	69	89
	heating	m^3/min	43	69	89
Fan speed			3 steps		2 steps
Sound pressure level	cooling	dB(A)	44	45	47
	heating	dB(A)	44	45	47
Sound power level	cooling	dB(A)	75	81	82
	heating	dB(A)	75	81	82
Piping connections	liquid	mm	Ø 9.52 (flare)	Ø 12.7 (flare)	Ø 15.9 (flare)
	gas	mm	Ø 19.1 (flare)	Ø 28.6	Ø 28.6
	drain	ID mm	Ø 23	Ø 23	Ø 23
		OD mm	Ø 25	Ø 25	Ø 25
Heat insulation			both liquid and gas pipes		
OUTDOOR UNIT: pair application			RYP125B7W1	RYP200B7W1	RYP250B7W1
See page			24	24	24
ACCESSORIES	See page		29	29	29





W shaped coanda flap



wired remote control

The ceiling suspended unit is the solution for shops, restaurants or offices without false ceilings and requiring maximum floor and wall space for furniture, decoration and fittings.

Air flow distribution can be adapted to suit ceiling heights up to 3.8 m without loss of capacity. The W shaped coanda flap is a system that ensures an equal air distribution for the whole room until the smallest angles and corners.

Centralised control of several units is possible via 3 compact controls: a central remote control, a unified ON / OFF control and a schedule timer, all of which may be used independently or in combination.

new

CEILING SUSPENDED UNIT

FH(Y)-GZ/BZ/FHYP-B

COOLING ONLY

INDOOR UNIT			FH35BZV1	FH45BZV1	FH60BZV1	FHYP71BV1	FHYP100BV1	FHYP125BV1
Capacity		kW	3.75	5.18	6.50	7.1	10.0	12.5
Power input		kW	1.50	2.15/2.06	2.67	2.65/2.61/2.61	3.82/3.62/3.62	4.69/4.69
Dimensions	HxWxD	mm	195x960x680		195x1,160x680		195x1,400x680	195x1,590x680
Weight		kg	23	24	26	27	32	35
Colour			white			white		
Air flow rate	H/L	m³/min	13/10	13/10	16/13	17/14	24/20	30/25
Fan speed			2 steps			2 steps		
Sound pressure level	H/L	dB(A)	37/32	38/33	38/33	39/35	42/37	44/39
Sound power level	H/L	dB(A)	53/48	54/49	54/49	55/51	58/53	60/55
Piping connections	liquid (flare)	mm	Ø 6.4	Ø 6.4	Ø 6.4	Ø 9.5	Ø 9.5	Ø 9.5
	gas (flare)	mm	Ø 12.7	Ø 15.9	Ø 15.9	Ø 15.9	Ø 19.1	Ø 19.1
	drain (VP20)	ID mm	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20
		OD mm	Ø 26	Ø 26	Ø 26	Ø 26	Ø 26	Ø 26
Heat insulation			both gas and liquid pipes			both gas and liquid pipes		
OUTDOOR UNIT: pair application			R35GZ7V11	R45GZ7V11/W11	R60GZ7W11	RP71B7V1/W1/T1	RP100B7V1/W1/T1	RP125B7W1/T1
See page			23	23	23	23	23	23
OUTDOOR UNIT: multi model application			MA56/90GZ7W11	MA56/90GZ7W11	MA90GZ7W11	TWIN/TRIPLE/DOUBLE TWIN APPLICATION ONLY		
See page			27	27	27	26	26	26
ACCESSORIES	See page		29	29	29	29	29	29

HEAT PUMP

INDOOR UNIT			FHYP35BV1	FHYP45BV1	FHYP60BV1	FHY35GZ7V1	FHY45GZ7V1	FHYP71BV1	FHYP100BV1	FHYP125BV1
Capacity	cooling	kW	for Twin/Triple/Double twin application only			3.60	4.90	7.10	10.0	12.5
	heating	kW				1.51	2.04	7.7	11.0	14.0
Power input	cooling	kW				4.10	5.50	2.65/2.61	3.82/3.62	4.69
	heating	kW				1.46	1.91	2.81/2.67	3.8/3.78	5.3
Dimensions	HxWxD	mm	195x960x680		195x1,160x680	188x1,100x600		195x1,160x680	195x1,400x680	195x1,590x680
Weight		kg	23	24	26	26	27	27	32	35
Colour			white		white			white		
Air flow rate	cooling	m³/min	13/10		16/13	13/10	13/10	17/14	24/20	30/25
	heating	m³/min	13/10		16/13	13/10	13/10	17/14	24/20	30/25
Fan speed			2 steps		2 steps			2 steps		
Sound pressure level	cooling	dB(A)	37/32	38/33	38/33	38/33	39/34	39/35	42/37	44/39
H/L	heating	dB(A)	37/32	38/33	38/33	38/33	39/34	39/35	42/37	44/39
Sound power level	cooling	dB(A)	53/48	54/49	54/49	54	55	55/51	58/53	60/55
H/L	heating	dB(A)	53/48	54/49	54/49	54	55	55/51	58/53	60/55
Piping connections	liquid (flare)	mm	Ø6.4 (flare)	Ø6.4 (flare)	Ø9.5 (flare)	Ø 6.35	Ø 6.35	Ø9.5 (flare)	Ø9.5 (flare)	Ø9.5 (flare)
	gas (flare)	mm	Ø12.7 (flare)	Ø12.7 (flare)	Ø15.9 (flare)	Ø12.7	Ø15.9	Ø15.9 (flare)	Ø19.1 (flare)	Ø19.1 (flare)
	drain (VP20)	ID mm	Ø20	Ø20	Ø20	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20
		OD mm	Ø26	Ø26	Ø26	Ø 26	Ø 26	Ø 26	Ø 26	Ø 26
Heat insulation			both liquid and gas pipes			both liquid and gas pipes		both liquid and gas pipes		
OUTDOOR UNIT: pair application			TWIN/TRIPLE/DOUBLE TWIN APPLICATION ONLY			RY35EAZ7V1	RY45EAZ7V1	RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1
See page			26	26	26	24	24	24	24	24
ACCESSORIES	See page		29	29	29	29	29	29	29	29

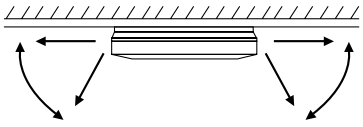
optional optional optional

AUTO

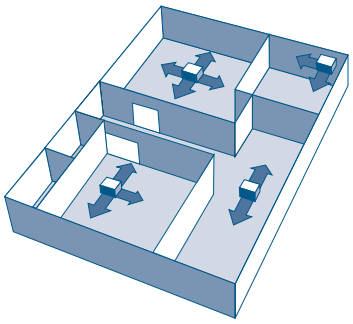
heat pump

DRY

2 steps



air distribution at different angles



choice between several air flow patterns

infrared remote control

wired remote control

The 4-way blow ceiling suspended cassette addresses the market requirement for freely selectable, multi flow air distribution in areas whithout ceiling voids.

This cassette unit leaves maximum floor and wall space for furnishings decorations and fittings and is therefore, ideal for use in both new build and refurbishment projects in offices, hotels, restaurants, pubs, clubs and general retail premises.

Designed for use with ceilings up to 3.5m high, FUYP units can be installed simply and quickly in central or corner locations. Air flow rates and directions can be selected to suit varying room shapes, lighting and interior design with 2, 3 or 4 way air distribution at 5 different angles between 0 and 60 degrees.

The drain-up pump has a lift of 500mm.

new

CEILING SUSPENDED 4-WAY BLOW CASSETTE

FUYP-B

COOLING ONLY

INDOOR UNIT			FUYP71BV1	FUYP100BV1	FUYP125BV1
Capacity		kW	7.1	10.0	12.5
Power input		kW	2.66/2.64/2.64	3.64/3.61/3.61	4.66/4.66
Dimensions	HxWxD	mm	165x895x895	230x895x895	
Weight		kg	25	31	
Colour			white		
Air flow rate	H/L	m^3/min	19/14	29/21	32/23
Fan speed			2 steps		
Sound pressure level	H/L	dB(A)	40/35	43/38	44/39
Sound power level	H/L	dB(A)	56/51	59/54	60/55
Piping connections	liquid (flare)	mm	Ø 9.5	Ø 9.5	Ø 9.5
	gas (flare)	mm	Ø 15.9	Ø 19.1	Ø 19.1
	drain (VP20)	ID mm	Ø 20	Ø 20	Ø 20
		OD mm	Ø 26	Ø 26	Ø 26
Heat insulation			both liquid and gas pipes		
OUTDOOR UNIT: pair application			RP71B7V1/W1/T1	RP100B7V1/W1/T1	RP125B7W1/T1
See page			23	23	23
ACCESSORIES	See page		29	29	29

HEAT PUMP

INDOOR UNIT			FUYP71BV1	FUYP100BV1	FUYP125BV1
Capacity	cooling	kW	7.1	10.0	12.5
	heating	kW	7.7	11.0	14.0
Power input	cooling	kW	2.66/2.64	3.64/3.61	4.66
	heating	kW	2.62/2.60	3.60/3.57	4.91
Dimensions	HxWxD	mm	165x895x895	230x895x895	
Weight		kg	25	31	
Colour			white		
Air flow rate	cooling	m^3/min	19/14	29/21	32/23
(H/L)	heating	m^3/min	19/14	29/21	32/23
Fan speed			2 steps		
Sound pressure level	cooling	dB(A)	40/35	43/38	44/39
(H/L)	heating	dB(A)	40/35	43/38	44/39
Sound power level	cooling	dB(A)	56/51	59/54	60/55
(H/L)	heating	dB(A)	56/51	59/54	60/55
Piping connections	liquid (flare)	mm	Ø 9.5	Ø 9.5	Ø 9.5
	gas (flare)	mm	Ø 15.9	Ø 19.1	Ø 19.1
	drain (VP20)	ID mm	Ø 20	Ø 20	Ø 20
		OD mm	Ø 26	Ø 26	Ø 26
Heat insulation			both liquid and gas pipes		
OUTDOOR UNIT: pair application			RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1
See page			24	24	24
ACCESSORIES	See page		29	29	29

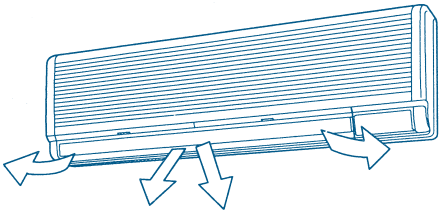
optional optional optional

AUTO

heat pump

DRY

2 steps



even air distribution

infrared remote control

wired remote control

The wall mounted unit is ideal for shops, restaurants or offices requiring maximum floor space for furniture and fittings. It has a modern, space saving outlook and can be easily operated from an infrared or wired remote control.

A louvre automatically moves up and down to ensure even air distribution and can also be fixed in a desired angle. Both indoor and outdoor unit are extremely quiet in operation.

Centralised control of several units is possible via 3 compact controls: centralised remote control, unified ON / OFF control and schedule timer, all of which may be used independently or in combination.

new

WALL MOUNTED UNIT

FAYP-B

COOLING ONLY

INDOOR UNIT			FAYP71BV1	FAYP100BV1
Capacity		kW	7.1	10.0
Power input		kW	2.66/2.65/2.65	3.53/3.51/3.51
Dimensions	HxWxD	mm	360X1,570X200	
Weight		kg	26	
Colour			white	
Air flow rate	H/L	m^3/min	19/16	23/19
Fan speed			2 steps	
Sound pressure level	H/L	dB(A)	41/37	45/41
Sound power level	H/L	dB(A)	57/53	61/57
Piping connections	liquid (flare)	mm	Ø9.5	Ø9.5
	gas (flare)	mm	Ø 15.9	Ø 19.1
	drain (VP20)	ID mm	Ø 20	Ø 20
		OD mm	Ø 26	Ø 26
Heat insulation			both liquid and gas pipes	
OUTDOOR UNIT: pair application			RP71B7V1/W1/T1	RP100B7V1/W1/T1
See page			23	23
ACCESSORIES	See page		29	29

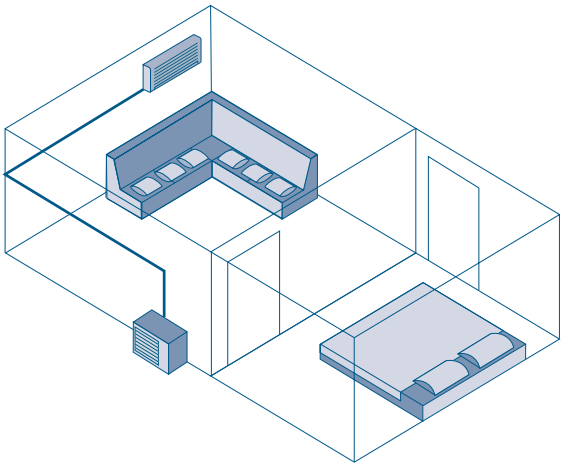
HEAT PUMP

INDOOR UNIT			FAYP71BV1	FAYP100BV1
Capacity	cooling	kW	7.1	10.0
	heating	kW	7.7	10.8
Power input	cooling	kW	2.66/2.65	3.53/3.51
	heating	kW	2.64/2.62	4.3/4.0
Dimensions	HxWxD	mm	360X1,570X200	
Weight	kg		26	
Colour			white	
Air flow rate	cooling	m^3/min	19/16	23/19
(H/L)	heating	m^3/min	19/16	23/19
Fan speed			2 steps	
Sound pressure level	cooling	dB(A)	41/37	45/41
(H/L)	heating	dB(A)	42/38	45/41
Sound power level	cooling	dB(A)	57/53	61/57
(H/L)	heating	dB(A)	58/54	61/57
Piping connections	liquid (flare)	mm	Ø9.5	Ø9.5
	gas (flare)	mm	Ø 15.9	Ø 19.1
	drain (VP20)	ID mm	Ø 20	Ø 20
		OD mm	Ø 26	Ø 26
Heat insulation			both liquid and gas pipes	
OUTDOOR UNIT: pair application			RYP71B7V1/W1	RYP100B7V1/W1
See page			24	24
ACCESSORIES	See page		29	29

Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall. The ozone friendly outdoor units are fitted with either a swing, rotary or scroll compressor, renowned for its low sound level, reliability and high energy efficiency.

A special acryl precoated fin for anti-corrosion treatment on the heat exchanger ensures greater resistance against severe weather conditions.

A combination of 1 indoor and 1 outdoor is called “pair application”.




R35/45GZ7


R60GZ7


RP71B7


RP100/125B7


RP200,250B7

OUTDOOR UNITS FOR PAIR APPLICATION

new

COOLING ONLY

R(P)

R-GZ7

COOLING ONLY			R35GZ7V11	R45GZ7V11/W11	R60GZ7W1
Dimensions	HxWxD	mm	540x750x270	540x750x270	660x880x350
Weight		kg	39	46	62
Casing colour			ivory white		
Sound pressure level	H	dB(A)	48	51	54
Sound power level	H	dB(A)	61	64	67
Compressor	type		hermetically sealed rotary compressor		
Refrigerant charge	R-407C	kg	1.3	1.5	1.85
Maximum piping length		m	25	25	25
Maximum level difference		m	15	15	15
Standard operation range	from~to	°CDB	-15 ~ 46	-15 ~ 46	-15 ~ 46
ACCESSORIES	see page		-	-	-

RP-B7

COOLING ONLY			RP71B7V1/W1/T1	RP100B7V1/W1/T1	RP125B7W1/T1	RP200B7W1	RP250B7W1
Dimensions	HxWxD	mm	860x880x320	1,215x880x320	1,215x880x320	1,220x1,290x700	1,440x1x290x700
Weight		kg	88/85/85	103/98/98	98	194	206
Casing colour			ivory white				
Sound pressure level		dB(A)	50	53	53	56	
Sound power level		dB(A)	63	66	66	77	
Compressor		type	hermetically sealed scroll compressor				
Refrigerant charge	R-407C	kg	3.1	3.6	3.6	7.5	9.2
Maximum piping length		m	70	70	70	50 (70 equiv.)	50 (70 equiv.)
Maximum level difference		m	30	30	30	30	30
Standard operation range	from~to	°CDB	-15 ~ 46	-15 ~ 46	-15 ~ 46	-5 ~ 46	-5 ~ 46
ACCESSORIES	see page		30	30	30	30	30


RY35/45EAZ7


RYP71B7


RYP100/125B7


RYP200/250B7

new

OUTDOOR UNITS FOR PAIR APPLICATION

RY(P) HEAT PUMP

RY-EAZ7

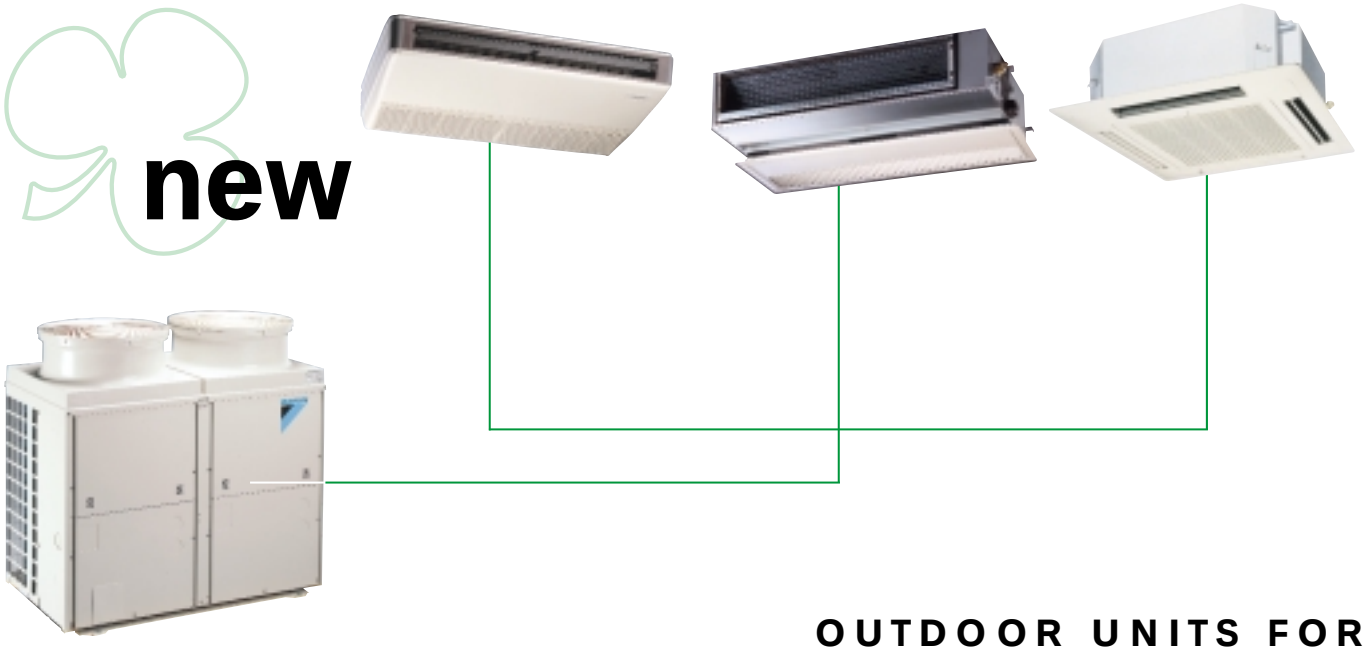
HEAT PUMP			RY35EAZ7V1	RY45EAZ7V1
Dimensions	HxWxD	mm	660x880x350	
Weight		kg	50	57
Casing colour			ivory white	
Sound pressure level (H)	cooling	dB(A)	46	47
	heating	dB(A)	48	
Sound power level (H)	cooling	dB(A)	59	60
	heating	dB(A)	*	*
Compressor		type	hermetically sealed swing compressor	
Refrigerant charge	R-407C	kg	1.1	2.0
Maximum piping length		m	20	25
Maximum level difference		m	15	
Standard operation range	cooling	°CDB	-5 ~ 46	-5 ~ 46
	heating	°CWB	-10 ~ 15.5	-10 ~ 15.5
ACCESSORIES	see page		30	30

RYP-B7

HEAT PUMP			RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1	RYP200B7W1	RYP250B7W1
Dimensions	HxWxD	mm	860x880x320	1,215x880x320		1,220x1,290x700	1,440x1,290x700
Weight		kg	89/86	104/99	102	196	210
Casing colour			ivory white				
Sound pressure level	cooling	dB(A)	50	53	53	57	
	heating	dB(A)	52	56	56	57	
Sound power level	cooling	dB(A)	63	66	67	77	
	heating	dB(A)	*	*	*	*	
Compressor		type	hermetically sealed scroll compressor				
Refrigerant charge	R-407C	kg	3.1	3.6	3.9	7.5	9.2
Maximum piping length		m	70			50 (70 equiv.)	
Maximum level difference		m	30			30	
Standard operation range	cooling	°CDB	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46
	heating	°CWB	-10 ~ 15	-10 ~ 15	-10 ~ 15	-10 ~ 15	-10 ~ 15
ACCESSORIES	see page		30	30	30	30	30

* Sound power levels were not available at time of printing.

new

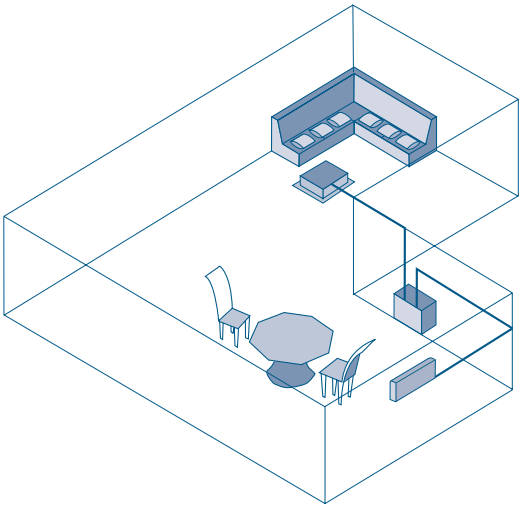


OUTDOOR UNITS FOR TWIN, TRIPLE, DOUBLE TWIN APPLICATION

It is also possible to connect 2 (twin), 3 (triple) or 4 (double twin) indoor units to only 1 outdoor unit, even if they have different capacities. Combinations with different Daikin models (ceiling suspended units, 4-way blow ceiling mounted cassette units etc.) are also possible. All indoor units are operated within the same mode (cooling or heating) from one remote control. This allows an equal air distribution in larger rooms, even if they are irregularly shaped.

The total capacities (outdoor base) for simultaneous operation are the same as for the pair applications.

Example: RP200 + FHYP71 + FAYP71 + FHYBP71
= RP200 + FDYP200
= 20.0 kW



R(Y)P71B7

R(Y)P100,125B7

R(Y)P200,250B7

new

POSSIBLE TWIN, TRIPLE AND DOUBLE TWIN APPLICATIONS:

OUTDOOR UNITS	SYSTEM	TWIN	TRIPLE	DOUBLE TWIN
	SYSTEM LAY-OUT	out → in, in	out → in, in, in	out → in, in, in, in
	71	71 → 35, 35 (KHRP79BA7)		
	100	100 → 45, 45 (KHRP79BA7); 100 → 45, 60 (KHRP79BA7); 100 → 35, 71 (KHRP79BA7)	100 → 35, 35, 35 (KHRP96H7)	
	125	125 → 45, 71 (KHRP79BA7); 125 → 60, 60 (KHRP79BA7)	125 → 45, 45, 45 (KHRP96H7)	
	200	200 → 100, 100 (KHRP102BA7)	200 → 71, 71, 71 (KHRP127HA7); 200 → 60, 60, 60 (KHRP127HA7); 200 → 45, 71, 71 (KHRP127HA7); 200 → 45, 45, 100 (KHRP127HA7)	200 → 45, 45, 45, 45 (2x KHRP79BA7 + KHRP102BA7)
	200	200 → 71, 125 (KHRP102BA7)	200 → 35, 71, 100 (KHRP127HA7); 200 → 35, 35, 125 (KHRP127HA7); 200 → 45, 60, 100 (KHRP127HA7); 200 → 71, 60, 60 (KHRP127HA7)	
	250	250 → 125, 125 (KHRP102BA7)	250 → 45, 100, 100 (KHRP127HA7); 250 → 60, 60, 125 (KHRP127HA7); 250 → 125, 45, 71 (KHRP127HA7); 250 → 100, 71, 71 (KHRP127HA7)	250 → 60, 60, 60, 60 (2x KHRP79BA7 + KHRP102BA7)

Notes:

1. Possible indoor units: FHYCP35~125, FHYBP35~125, FHYKP35~125, FAYP71~100, FUYP71~125, FDYP125.
2. Individual indoor capacities are not given because the combinations are for simultaneous operation (= indoor units installed in the same room)
3. When different indoor models are used in combination, designate the remote control that is equipped with the most functions as the main unit. Note 1 mentions the indoor units in order of the possible function.
4. Refnet kits, necessary to install combinations, are mentioned between brackets.
5. For unit specification of the outdoor and the indoor units refer to the unit specifications mentioned for pair systems.

new


MA56GZ7


MA90GZ7

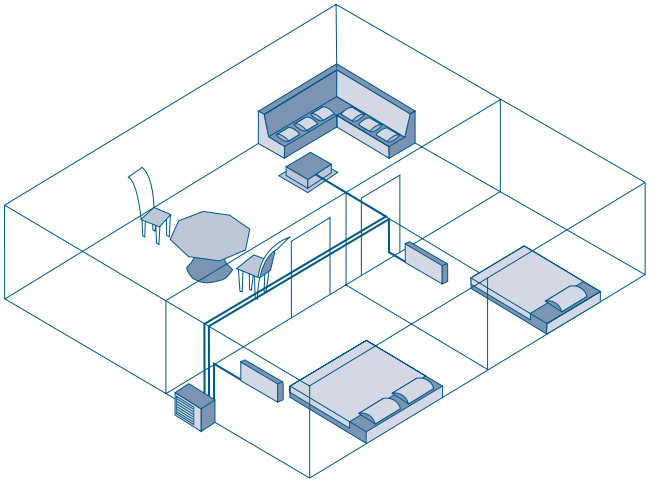
OUTDOOR UNITS FOR MULTI MODEL APPLICATION

MA-GZ7

Using Multi outdoor units, gives you the possibility to connect up to 5 indoor units of different types (e.g. wall mounted unit, ceiling mounted corner cssette,…) and with different capacities to a single outdoor unit, thereby reducing installation space and costs.

All indoor units remain individually controllable and do not need to be installed at the same time or in the same room. Further units can always be added at a later stage. Moreover, the energy consumption of a Daikin Multi system can be up to 20% lower than that of a separate indoor and outdoor unit application.

Multi outdoor units are equipped with a rotary compressor, renowned for its low sound level and high energy efficiency.



MA-GZ7

COOLING ONLY			MA56GZ7W11	MA90GZ7W11
Dimensions	HxWxD	mm	660x880x350	865x880x350
Weight		kg	62	87
Casing colour			ivory white	
Sound pressure level	H	dB(A)	52	56
Sound power level	H	dB(A)	65	68
Compressor		type	hermetically seald rotary compressor	
Refrigerant charge	R-407C	kg	1.9	3.0
Maximum piping length		m	60	25 (for 1 room) / 75 (for all rooms)
Maximum level difference		m	7.5	7.5
Standard operation range	from~to	°CDB	-15 ~ 46	-5 ~ 46
ACCESSORIES	see page		-	-

Accessories

INDOOR UNITS

FH(Y)C - FHYCP

INDOOR UNIT			35,45,60,71	100,125
Decoration panel			BYC125KJW1	
High efficiency filter 65 %	colorimetric method		KAFJ556K80	KAFJ556K160
High efficiency filter 90 %	colorimetric method		KAFJ557K80	KAFJ557K160
Replacement high efficiency filter 65 %	colorimetric method		KAFJ552K80	KAFJ552K160
Replacement high efficiency filter 90 %	colorimetric method		KAFJ553K80	KAFJ553K160
Filter chamber			KDDFJ55K160	
Replacement long life filter	non woven type		KAFJ551K160	
Ultra-long life filter			KAFJ55K160	
Replacement ultra long life filter			KAFJ55K160H	
Fresh air intake kit	chamber type	without T-shape and fan	KDDJ55B160	
		with T-shape and fan	KDDJ55B160F	
		with T-shape, without fan	KDDJ55B160K	
	direct installation type		KDDJ55X160	
Sealing member of air discharge outlet			KDBHJ55B160	
Panel spacer			KDBJ55K160W	
Branch duct chamber			KDJ55B80	KDJ55B160
Chamber connection kit			KKSJ55K160	
Adapter for wiring (interlock for fresh air intake)			KRP1B2	
Electrical box with earth terminal (2 blocks)			KJB311A	
Electrical box with earth terminal (3 blocks)			KJB212A	
Installation box for adapter PCB			KRP1C98	
Noise filter			KEK26-1	
Remote sensor			KRCS01-1	
Wiring adapter for electrical appendices			KRP1B57/KRP4A53	
Infrared remote control	cooling only		BRC7C512W	
	heat pump		BRC7C513W	
Wired remote control			BRC1C517	

FHK - FHYKP

INDOOR UNIT		35, 45	60, 71
Decoration panel		BYK45FJW1	BYK71FJW1
Panel spacer		KPBJ52F56W	KPBJ52F80W
Air discharge blind panel		KDBJ52F56W	KDBJ52F80W
Replacement long life filter	resin net	KAFJ521F56	KAFJ521F80
Discharge grill		KDGJ52F56W	KDGJ52F80W
Flexible duct with shutter		KFDJ52F56	KFDJ52F80
Adapter for wiring (interlock for fresh air intake)		KRP1B51	
Connector for forced ON/OFF	cooling only	-	
	heat pump	EKF0F0	
Group control adapter PCB (*)		KRP4A51	
Remote sensor		KRCS01-1	
Infrared remote control	cooling only	BRC4C63	
	heat pump	BRC4C61	
Wired remote control		BRC1C517	

(*) Installation box for adapter PCB is necessary

FH(Y)B - FHYBP

INDOOR UNIT		35,45	60,71	100,125
Decoration panel		BYBS45DJW1	BYBS71DJW1	BYBS125DJW1
Service access panel		KTBJ25K56W	KTBJ25K80W	KTBJ25K160W
High efficiency filter 65 %	colorimetric method *1	KAFJ252L56	KAFJ252L80	KAFJ252L160
High efficiency filter 90 %	colorimetric method *1	KAFJ253L56	KAFJ253L80	KAFJ253L160
Filter chamber for bottom suction		KAJ25L56D	KAJ25L80D	KAJ25L160D
Filter chamber for rear suction		KAJ25L56B	KAJ25L80B	KAJ25L160B
Air suction canvas		KSAJ25K56	KSAJ25K80	KSAJ25K160
Blind board / screening door		KBBJ25K56	KBBJ25K80	KBBJ25K160
Air discharge adapter for round duct		KDAJ25K56	KDAJ25K71	KDAJ25K140
Adapter for wiring (interlock for fresh air intake)		KRP1B54		
Wiring adapter for electrical appendices		KRP4A51		
Wired remote control		BRC1C517		

Note: *1 If installing a high efficiency filter on the unit, an assembly chamber for either bottom or rear suction is required

FDYP

INDOOR UNIT	125	200	250
Drain pump	EKDU125A1		
Adapter for wiring (interlock for fresh air intake)	KRP1B54		
Electrical heater PCB kit	EKRP1B2		
Wiring adapter for electrical appendices	KRP4A51		
Wired remote control	BRC1C517		

FH(Y) - FHYP

INDOOR UNIT		35	45	60	71	100	125
Replacement long life filter		KAFJ501D56			KAFJ501D80	KAFJ501D112	KAFJ501D160
Drain up kit		KDU50B50VE		KDU50B71VE		KDU50B125VE	
L-type piping kit for upward direction	for FHY	KHFJ5F50		KHFJ5F80		KHFJ5F160	
	for FH	KHFJ5F50	KHFJ5F60		-		
Adapter for wiring (interlock for fresh air intake)		KRP1B54					
Installation box for adapter PCB		KRC1C93					
Wiring adapter for electrical appendices		KRP4A52					
Wired remote control		BRC1C517					

FUYP

INDOOR UNIT		71	100	125
Sealing member of air discharge outlet		KDBHJ49F80	KDBHJ49F140	
Decoration panel for air discharge		KDBTJ49F80	KDBTJ49F140	
Vertical flap kit		KDGJ49F80	KDGJ49F140	
Replacement long life filter		KAFJ495F140		
L-connection piping kit		KHFJ49F80	KHFJ49F140	
Connector for forced ON/OFF		EKF0F0		
Group control adapter PCB (*)		KRP4A53		
Installation box for adapter PCB		KRP1B97		
Remote sensor		KRCS01-1		
Infrared remote control	cooling only	BRC7C529W		
	heat pump	BRC7C528W		
Wired remote control		BRC1C517		

(*) Installation box for adapter PCB is necessary

FAYP

INDOOR UNIT		71, 100
Connector for forced ON/OFF		EKF0F0
Group control adapter PCB (*)		KRP4A53
Infrared remote control	cooling only	BRC7C511W
	heat pump	BRC7C510W
Wired remote control		BRC1C517

(*) Installation box for adapter PCB is necessary

OUTDOOR UNITS

RP-B7

OUTDOOR UNIT		71	100	125	200	250
Central drain plug		KKPJ5F180			-	-
Refrigerant branch piping	twin	KHRP79BA7			-	-
	triple	-	KHRP96H7		-	-
Fan motor size up		-	-	-	NFM22C5	NFM22C10
Kit for discharge duct		-	-	-	EKND26A10	

RY-EAZ7/RYP-B7

OUTDOOR UNIT		35,45	71	100	125	200	250
Drain kit (*)		EKDK-02-EKDK03	-	-	-	-	-
Central drain plug		-	KKPJ5F180			-	
Refrigerant branch piping	twin	-	KHRP79BA7			-	
	triple	-	-	KHRP96H7		-	
Fan motor size up		-	-			NFM22C5	
Kit for discharge duct		-	-			EKND26A10	

(*) EKDK02: 10 x joint
EKDK03: 20 x cap

CONTROL SYSTEMS

CENTRALISED CONTROL

INDOOR UNIT	CENTRAL REMOTE CONTROL	UNIFIED ON/OFF CONTROL	SCHEDULE TIMER	INTERFACE ADAPTER FOR SKY AIR SERIES
FH(Y)C	DCS302B51	DCS301B51	DST301B51	DTA102A52
FH(Y)CP	DCS302B51	DCS301B51	DST301B51	DTA102A52
FHK-BZ	DCS302B51	DCS301B51	DST301B51	DTA102A52
FHYKP-B	DCS302B51	DCS301B51	DST301B51	DTA102A52
FH(Y)B	DCS302A51	DCS301A51	DST301A51	DTA102A52
FH(Y)BP	DCS302A51	DCS301A51	DST301A51	DTA102A52
FDYP	DCS302A51	DCS301A51	DST301A51	DTA102A52
FH(Y)	DCS302B61	DCS301B61	DST301B61	DTA102A52
FHYP	DCS302B61	DCS301B61	DST301B61	DTA102A52
FUYP-B	DCS302B51	DCS302B51	DST301B51	DTA102A52
FAYP-B	DCS302B51	DCS301B51	DST301B51	DTA102A52

power supply

V1(1) = 1~, 230V, 50Hz
W1(1) = 3N~, 400V, 50Hz
T1= 3~, 230V, 50Hz

measuring conditions

COOLING ONLY

1) nominal cooling capacities measured at:	
indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB/24°CWB
refrigerant piping length	7.5m
level difference	0m
2) capacities are net, including a deduction for cooling for indoor fan motor heat	
3) sound pressure level measured at 1m distance from the unit	

HEAT PUMP

1) nominal cooling capacities measured at:	
indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB/24°CWB
refrigerant piping length	7.5m
level difference	0m
2) nominal heating capacities measured at:	
indoor temperature	20°CDB/12°CWB
outdoor temperature	7°CDB/6°CWB
refrigerant piping length	7.5m
level difference	0m
3) capacities are net, including a deduction for cooling (and addition for heating) for indoor fan motor heat	
4) sound pressure level measured at 1m distance from the unit	

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment.
The sound power level is an absolute value indicating the “power” which a sound source generates.

Daikin units comply with the European regulations that guarantee the safety of the product.

Daikin Europe NV is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

Daikin Europe NV is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard.
ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Daikin products are distributed by:

Specifications are subject to change without prior notice

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VRV™ SYSTEMS

The intelligent AC Air Conditioning System



With its unique technology,
Daikin's VRV Air Conditioning Systems
meet virtually every customer's
needs for small to large buildings,
whether new or existing.

OZONE FRIENDLY
R-407C

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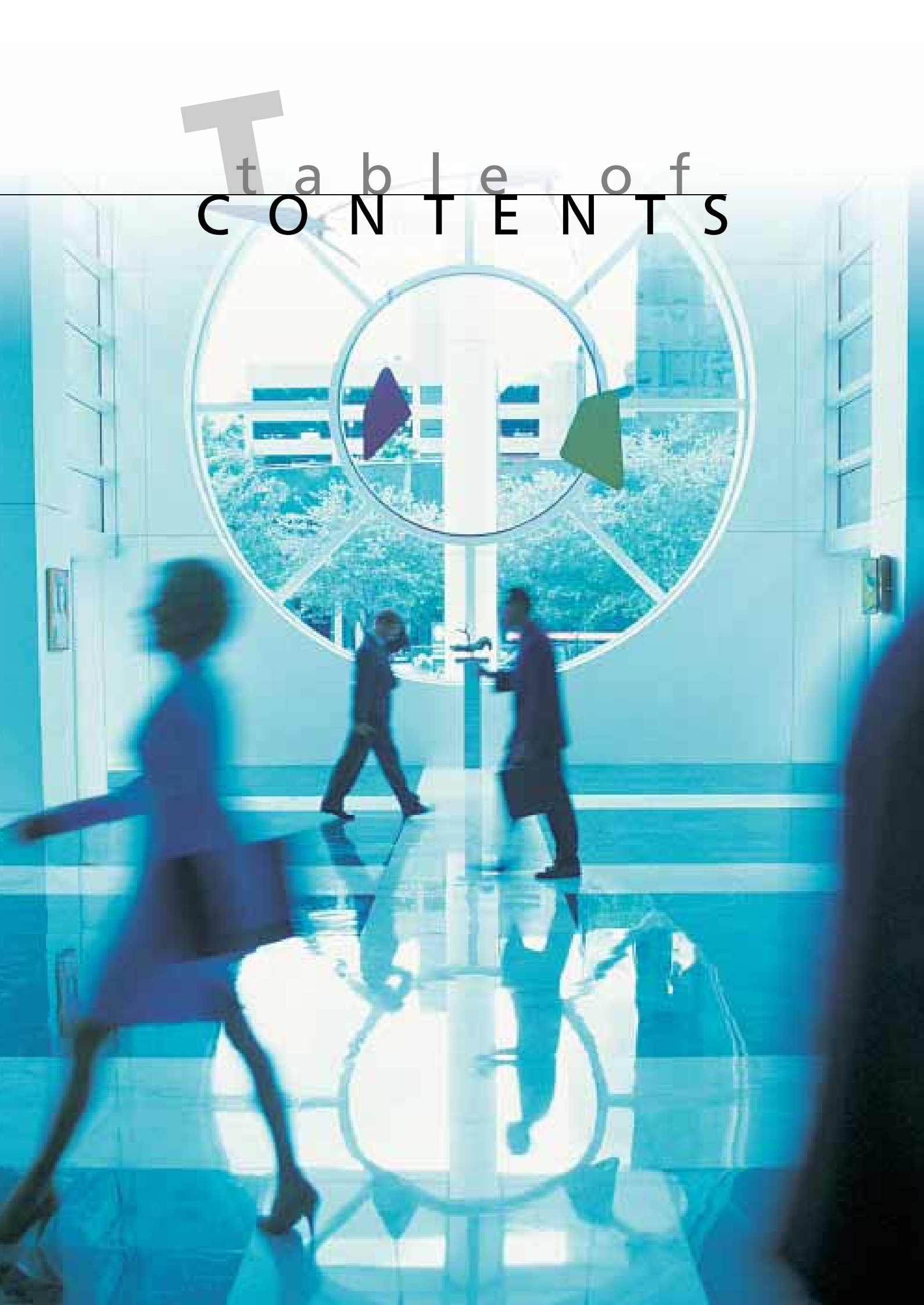

Introduction
Who is daikin ?

Daikin has more than 70 years experience in manufacturing advanced, high quality equipment air conditioning for residential, commercial and industrial applications.

The Japanese mother company **Daikin Industries Ltd.** is actively engaged in research into a wide spectrum of science and disciplines, from mechanics and electronics to chemicals and fluorocarbons.

The application of this research enables Daikin to introduce high quality, innovative and environmentally friendly products into the market.

Since its formation in 1972, **Daikin Europe** has evolved from a component assembly plant into the most advanced air conditioning manufacturing complex in Europe. All European standards regarding production, health and safety are met in full.

- **Distribution network**

  Daikin maintains close contact with its markets through a highly professional network of local distributors. Perceived as an extension of the company's "quality chain", all distributors are carefully trained in order to maintain high quality sales, installation and after sales service to their customers.

- **The environment**

  Daikin has always given due regard to preservation of the environment. Dilligent research into matched equipment/ refrigerant combinations has given rise to an extensive range of hi tech units and systems, fully optimised for use with the zero ozone depleting potential (ODP) refrigerant, R-407C.

- **Training**

The Daikin training centre in Ostend is unique and the most advanced of its kind in Europe. Both hands on and theoretical instruction are provided into all aspects of the company's air conditioning equipment and systems and specially conceived courses are available to suit distributors and their approved dealers from all over Europe.

- **Quality**

  The application of advanced technologies, combined with careful selection of bought in components and extensive in house testing and field trial procedures ensures unrivalled product quality.

- **CE**

  Daikin units comply with the European regulations that guarantee the safety of the product.

- **ISO14001**

  ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

- **ISO9001**

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The history of VRV™ systems

- **1987**

The original VRV air conditioning system developed by Daikin in 1982 is introduced into Europe in VRV™ **Standard** format. The system is able to supply conditioned air from up to 4 indoor units connected to a single outdoor unit.

- **1990**

The end of the year sees the launch of the new VRV™ **Inverter** system with the facility to operate up to 8 indoor units from a single outdoor unit. Inverter capacity control greatly increases system flexibility and efficiency.

- **1991**

A further step forward is taken in 1991 with the introduction of the VRV™ **Heat Recovery** system, offering simultaneous cooling and heating from different indoor units on the same refrigeration circuit.

- **1992**

Continuous improvements to energy efficiency and system flexibility lead to the development of the advanced Hi-VRV™ in which fresh air supply (HRV) and computerised management (DACMS) are integrated with the VRV.

- **1994**

Consistent high quality and efficiency lead to the widespread acceptance of the VRV concept and Daikin becomes the first Japanese air conditioning manufacturer to be awarded the ISO9001 certification.
But the search for improved flexibility and energy efficiency does not stop there.
Unrivalled field experience and close regard for market requirements enables Daikin to apply yet another quantum leap to VRV technology - the VRV™ Inverter-H series, operating up to **16 indoor units from just 1 outdoor unit** !

- **1998**

In anticipation of phase out dates for all CFC based equipment, Daikin Europe steps up the production of VRV air conditioning units using **ozone friendly refrigerant.**

Daikin Europe celebrates its 25th anniversary with the award of an ISO14001 environmental certificate and the introduction of VRV™ Inverter K series with R-407C, in cooling only or heat pump format. As many as **16 indoor units** can be connected to 1 single outdoor unit.

- **1999**

The VRV™PLUS series using R-22 has been designed around leading edge technologies to accommodate high capacity air conditioning networks of up to 30 indoor units from a single refrigerant circuit.

Another step forward has been taken with the launch of the VRV™ heat recovery series using R-407C and connecting **up to 16 indoor** units to 1 single outdoor unit.

- **2000**

Because of the growing needs of large-capacity systems Daikin Europe introduces the VRV™PLUS series using ozone friendly refrigerant, in heat pump format. **Up to 32 indoor** units can be connected to a single refrigerant circuit.

- **2001**

The latest addition to the VRV Plus series is the VRV™PLUS heat recovery series using R-407C. **Up to 32 indoor units** can be connected to a single refrigerant circuit.

- **2002** NEW

Daikin launches the new VRV™ series – an environmental friendly, energy saving series with high COP levels and flexible design characteristics.

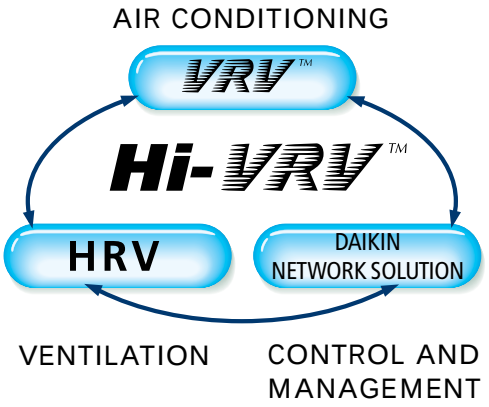
What is

Hi-VRV™

In recent years, design styles for intelligent buildings such as hotels, banks and offices etc. have increasingly featured large areas of glazing with attendant high solar heat gains that can only be dissipated by means of air conditioning. Not surprisingly therefore, air conditioning has grown in importance and is now widely accepted as an integral component of most modern architectural concepts.

The increasing use of electronic office equipment raises thermal loadings still further to a point whereby, even in winter, internal temperatures can reach uncomfortable levels. The demand for cooling or heating can also vary considerably through-out the day depending on the number and occupation of personnel on the premises. But end users have come to expect far more than just cooling and heating from their air conditioning.

The ideal modern system must be energy efficient, easy to install, flexible, reliable and user friendly. Fresh air must be supplied without increasing energy consumption and the role of central management facilities should also be considered in this respect for medium to large sized buildings. The Daikin Hi-VRV system meets all these demands.



The innovative Hi-VRV selection programme, Daikin's flag ship software package, enables you to exploit the system's possibilities to the max and guarantees the end user a perfect service.
From now on you can fully plan your Daikin air-conditioning project on a step-by-step basis without difficulty.

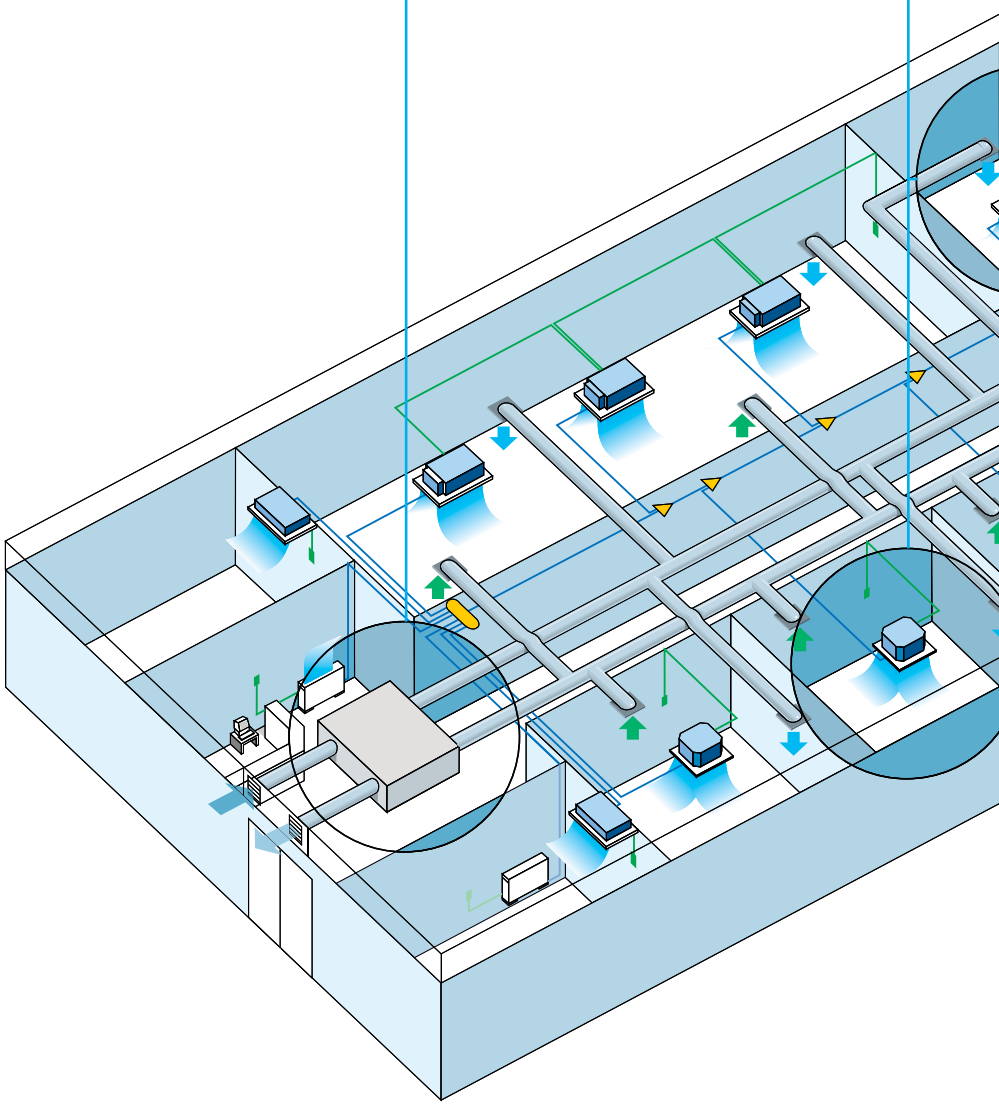
The intelligent air conditioning

HRV

Heat Recovery Ventilation

heat and humidity are exchanged between supply and exhaust air, which

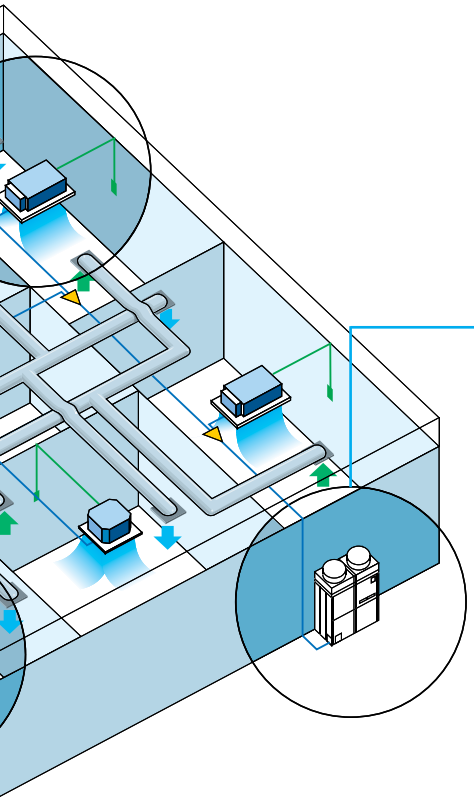
- brings outdoor air close to indoor air conditions
- recovers energy loss
- realises considerable reduction of air conditioning capacity



VRV™

Variable Refrigerant Volume

- available in cooling only, heat pump and heat recovery formats.
- a rapid response system in which up to 32 indoor units can operate on the same refrigerant circuit in conjunction with a single outdoor unit.
- an inverter driven compressor enables the output of the outdoor unit to be modulated in accordance with the cooling/heating demand of the zone which it controls.



DAIKIN
NETWORK SOLUTION

intelligent Touch Controller

Allows detailed and easy monitoring and operation of VRV systems (maximum 64 control groups).

intelligent Manager

The ideal solution for control and management of maximum 1,024 VRV indoor units.

LON controller

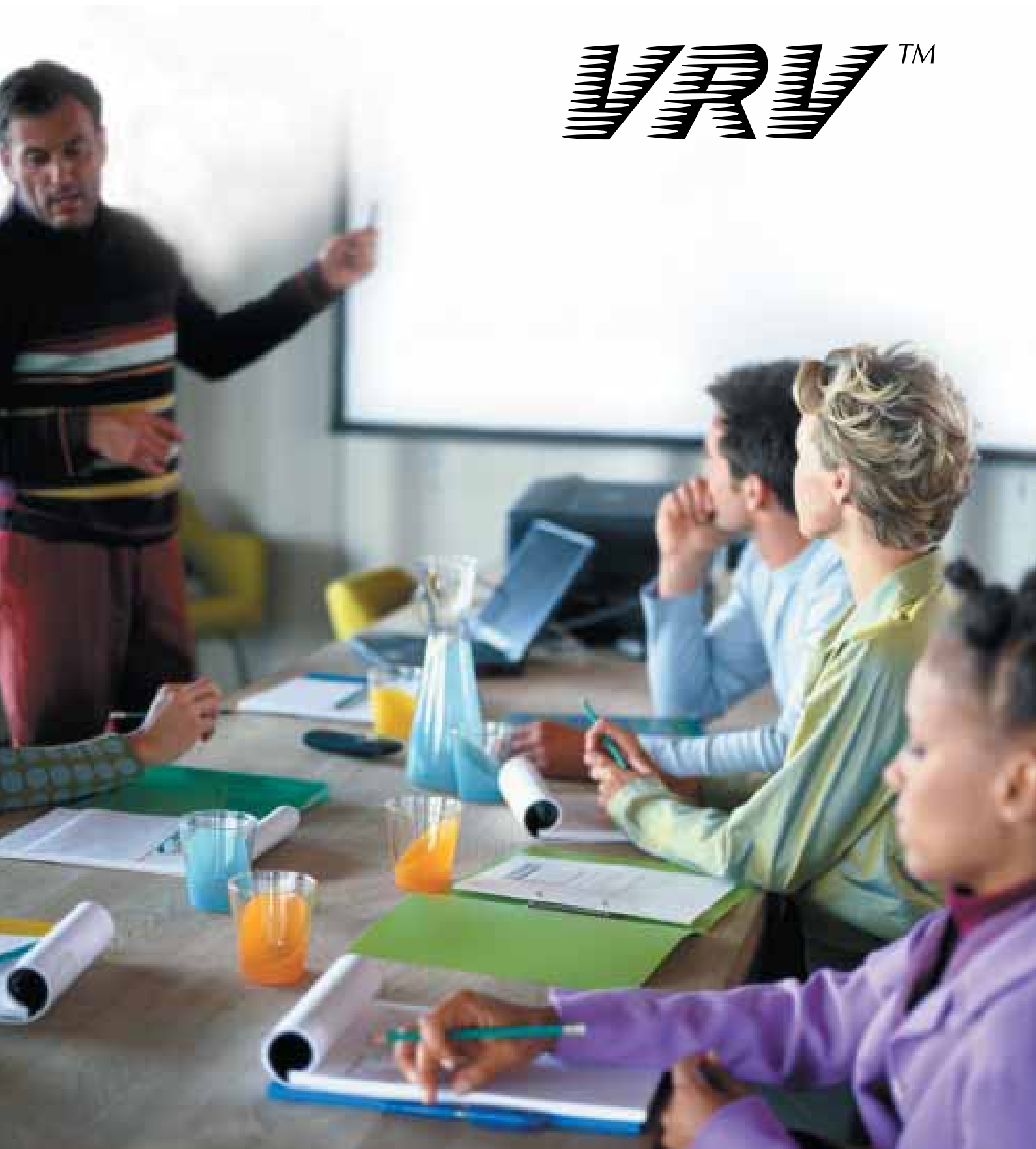
Gateway between VRV system and LON BMS

BACnet Gateway

Integrated control system connecting VRV system with BMS system.

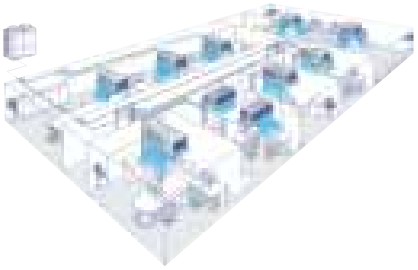
product EXPLANATION

VRV™



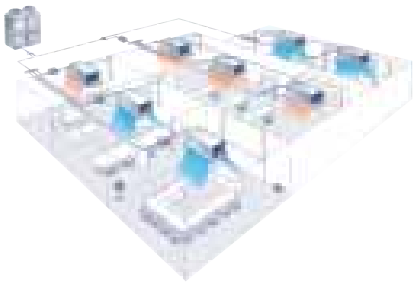
OZONE FRIENDLY PRODUCTS

Consideration for the evironment in which we live and work, is afforded very high priority by Daikin. The company's unique position as the world's only manufacturer of both air conditioning equipment and refrigerant chemicals enables it to offer the perfect symbiosis of high technology and environmental protection.
Daikin has actively engaged in intensive research into ozone friendly refrigerants, resulting in the development of innovative techniques for energy efficient systems that reduce CO2 emissions and limit global warming.
Daikin is able to offer an extensive range of VRV systems, available in cooling only, heat pump and heat recovery, genuinely optimised for use with R-407C and possessing the same quality and performance levels as our renowned R-22 models.



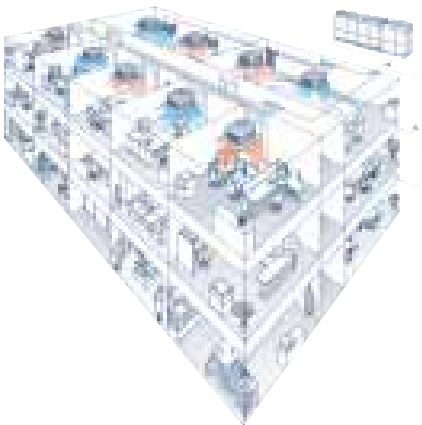
VRV™ INVERTER COOLING ONLY / HEAT PUMP

- EITHER **cooling** OR **heating** operation from one system
- **Up to 16 indoor units** can be operated from a **single outdoor unit** without the need for an additional adapter PCB.
- A line-up of 5,8,10 HP models precisely supports applications in small facilities and minor expansions and renovations.



VRV™ HEAT RECOVERY

- SIMULTANEOUS cooling AND heating operation from one system
- **Up to 16 indoor units** can be operated from a **single outdoor unit in heat recovery format**.
- A line-up of 8,10 HP models precisely supports applications in small facilities and minor expansions and renovations.
- Heat recovery is achieved by diverting exhaust heat from indoor units in cooling mode to areas requiring heating.
- The BS unit switches the system between cooling and heating modes.



VRV PLUS

- Available in both heat recovery and heat pump format.
- **Up to 32 indoor units** can be connected to 1 single refrigerant circuit.
- This line-up from 16HP to 30HP consists of 2 outdoor components, main and sub unit.

Possible indoor units using R-407C











Type	20	25	32	40	50	63	71	80	100	125	200	250
4-way blow ceiling mounted cassette **FXYFP**	x	x	x	x	x	x		x	x	x		
2-way blow ceiling mounted cassette **FXYCP**	x	x	x	x	x	x		x		x		
Ceiling mounted corner cassette **FXK**		x	x	x		x						
Concealed ceiling unit **FXYSP**	x	x	x	x	x	x		x	x	x		
Concealed ceiling unit (small) **FXYBP**	x	x										
Concealed ceiling unit (large) **FXM**				x	x	x		x	x	x	x	x
4-way blow ceiling suspended unit **FUYP**							x		x	x		
Ceiling suspended unit **FXH**			x			x			x			
Wall mounted unit **FXA/FXYAP**	x	x	x	x	x	x						
Floor standing unit **FXL**	x	x	x	x	x	x						
Concealed floor standing unit **FXN**	x	x	x	x	x	x						

Possible outdoor units using R-407C

Type	Outdoor units	Maximum connectable number of indoor units					Limits of connection ratio* of connected indoor units	Capacity steps
		8	13	16	20	32		
VRV™ Inverter cooling only	RSXP5L7	x					62.5 ~ 162.5	20
	RSXP8L7		x				100 ~ 260	31
	RSXP10L7			x			125 ~ 325	31
VRV™ Inverter cooling only	RSXP5K7	x					62.5 ~ 162.5	13
	RSXP8K7		x				100 ~ 260	20
	RSXP10K7			x			125 ~ 325	20
VRV™ Inverter heat pump	RSXYP5L7	x					62.5 ~ 162.5	20
	RSXYP8L7		x				100 ~ 260	31
	RSXYP10L7			x			125 ~ 325	31
VRV™ Inverter heat pump	RSXYP5K7	x					62.5 ~ 162.5	13
	RSXYP8K7		x				100 ~ 260	20
	RSXYP10K7			x			125 ~ 325	20
VRV™ PLUS Inverter heat pump	RSXYP16KJ				x		200 ~ 520	26
	RSXYP18KJ				x		225 ~ 585	26
	RSXYP20KJ				x		250 ~ 650	26
	RSXYP24KJ					x	300 ~ 780	29
	RSXYP26KJ					x	325 ~ 845	29
	RSXYP28KJ					x	350 ~ 910	29
	RSXYP30KJ					x	375 ~ 975	29
VRV™ Heat recovery	RSEYP8K7		x				100 ~ 260	20
	RSEYP10K7			x			125 ~ 325	20
VRV™ PLUS Heat recovery	RSEYP16KJ				x		200 ~ 520	26
	RSEYP18KJ				x		225 ~ 585	26
	RSEYP20KJ				x		250 ~ 650	26
	RSEYP24KJ					x	300 ~ 780	29
	RSEYP26KJ					x	325 ~ 845	29
	RSEYP28KJ					x	350 ~ 910	29
	RSEYP30KJ					x	375 ~ 975	29

* connection ratio: sum of capacity index of connected indoor units.

INDOOR UNIT CAPACITY INDEX

Model	20	25	32	40	50	63	71	80	100	125	200	250
Capacity index	20	25	31.25	40	50	62.5	71	80	100	125	200	250

eg. Selected indoor units: FXYCP25 + FXYCP100 + FXM200 + FXYSP40
Connection ratio: 25 + 100 + 200 + 40
= 365
→ possible outdoor unit RSXYP24KJ

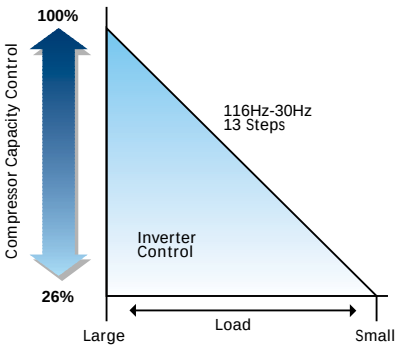
main FEATURES

A. Creating maximum comfort

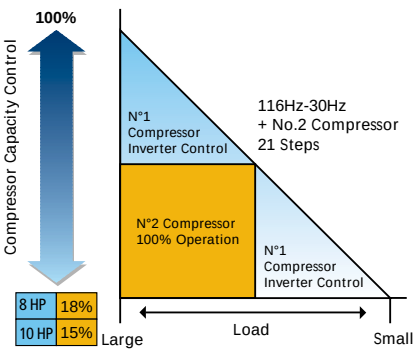
1 Inverter technology

The linear VRV system makes use of a variable Proportional Integral (PI) control system which uses refrigerant pressure sensors to give added control over inverter and ON/OFF control compressors in order to abbreviate control steps into smaller units to provide precise control in both small and larger areas.
This in turn enables individual control of up to 32 indoor units of different capacity and type at a ratio of 50~130 % in comparison with outdoor units capacity. 5 HP outdoor units use inverter control compressors only.

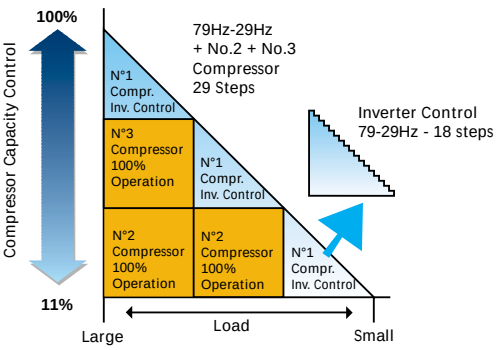
5HP outdoor unit



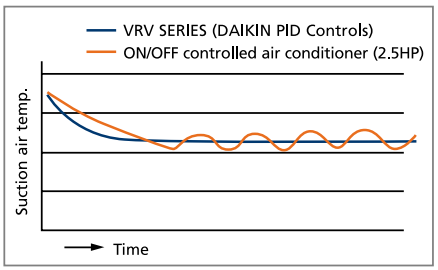
8, 10HP outdoor unit



30HP outdoor unit



Cooling

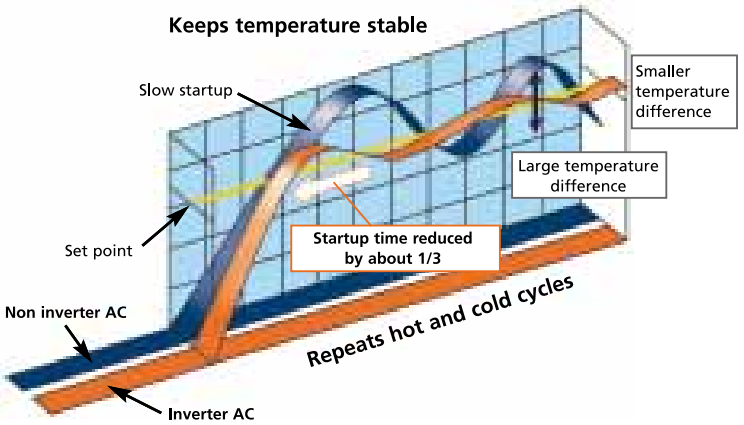


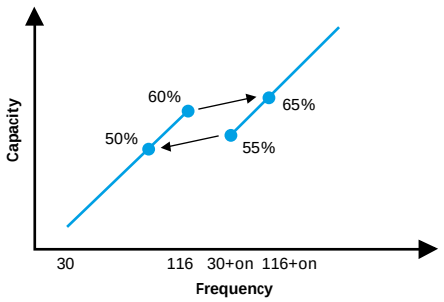
Note: the graph shows the data, measured in a test room assuming actual heating load.

The thermostat can control stable room temperature at ± 0.5°C from set point.

2 Smart control brings comfort

An electronic expansion valve, using PID control, continuously adjusts the refrigerant volume in respond to load variations of the indoor units. The VRV system thus maintains comfortable room temperatures at a virtually constant level, without the temperature variations typical of conventional ON/OFF control systems.

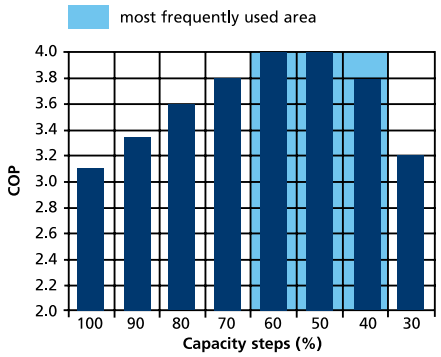




3 Less frequent start/stop cycle

- the technique adopted by Daikin, of regulating the capacity using 2 compressors clearly results in minimum switching losses and power surges because of the overlap in capacity and frequency
- since Daikin utilises small 5HP inverter compressors, the influence of harmonics is less than that generated by a single large compressor
- the use of 2 compressors by Daikin also ensures a 50 % standby facility
- smaller compressors are cheaper and faster to replace

B. Energy efficient solution



1 Low running costs

- VRV systems have low running costs because it permits each zone to be controlled individually. That is, only those rooms that require air conditioning will be heated or cooled, while the system can be shut down completely in rooms where no air conditioning is required.

- VRV units have the highest COP/EER in the market in the most common operating area

2 Most advanced reluctance brushless DC compressor technology

The scroll compressor is driven by the newly developed motor, enabling better performance, higher enery efficiency resulting in higher energy cost savings.

3 HRV - Heat Recovery Ventilation System

- Heat and humidity are exchanged between supply and exhaust air, which
  - brings outdoor air close to indoor air conditions
  - recovers energy loss
  - realises considerable reduction of air conditioning capacity

- The VAM heat exchanger modulates the humidity and temperature of incoming fresh air to match indoor conditions.

- The balance achieved between indoor and outdoor ambients, enables the cooling/heating load placed on the air conditioning system to be reduced. (heat and humidity are exchanged)

- Most energy saving solution as smaller indoor units can be selected :
  - size down of indoor units down to 40 %
  - payback total VAM system : ±2.5 years*

  *conditions : outside cooling conditions : 30°C / outside heating conditions : - 8°C
  inside cooling conditions : 24°C / inside heating conditions : 22°C
  ventilation per room : 150m³/h

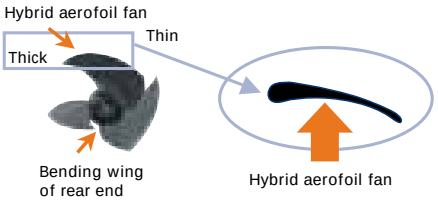
- Ideal modular concept to cope with the fresh air requirements

4 Auto restart capability

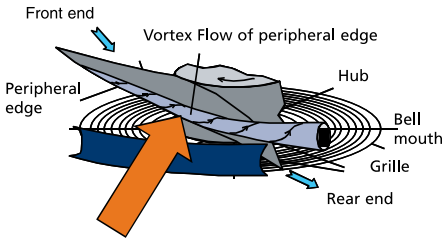
Even after exceptionally long power failures, the built-in auto restart capability ensures automatic system start up. Since the preset memory is not erased by interruptions in power supply, no programme resetting is necessary.

5 Low operation sound level

- Continuous research by Daikin into reducing operation sound levels has resulted in the development of a purpose designed inverter scroll compressor and fan.

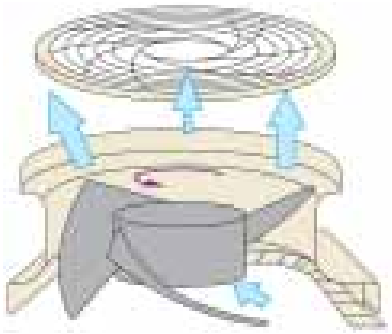


- **Hybrid aerofoil fan**
  The newly developed fan ensures low sound level performance at the thick part of the aerofoil and power saving at the thin part of the foil (wide inlet fan)



It reduces Vortex Flow of peripheral edge, power input and noise.

- **High flared bell mouth:** improves low sound level characteristics by applying air flow analyses techniques developed by NASA to create smooth air flow at the edge of foil.



- **Super aero grille:**
  the spiral shaped ribs are aligned with the direction of discharge flow in order to minimise turbulence and reduce noise.

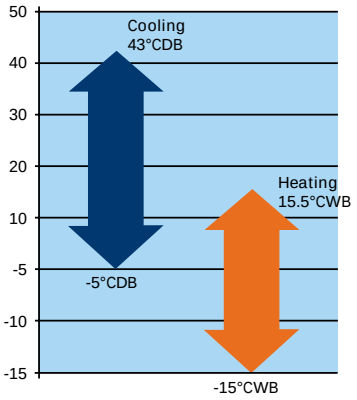
- Daikin indoor units have very low sound operation levels, down to 28 dBA.

dB(A)	Perceived loudness	Sound
0	Threshold of hearing	-
20	Extremely soft	Rustling leaves
40	Very soft	Quiet room
60	Moderately loud	Normal conversation
80	Very loud	City traffic noise
100	Extremely loud	Symphonic orchestra
120	Threshold of feeling	Jet taking off

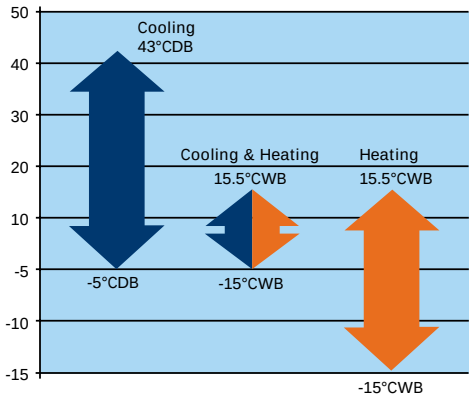
Daikin indoor units

6 Operation range of outdoor temperature

Standard operation down to -15°C outdoor ambient temperature
Advanced PI control of the outdoor unit enables VRV (Plus) heat recovery and Inverter cooling only/heat pump series to operate at outdoor ambients down to -5°C in cooling mode and down to -15°C in heating mode.



VRV (PLUS) Inverter cooling only/ heat pump series



VRV (PLUS) Heat recovery series

C. High reliability

1 N°1 anti-corrosion treatment

- Special anti corrosion treatment of the heat exchanger provides 5 to 6 times greater resistance against acid rain and salt corrosion. The provision of rust proof steel sheet on the underside of the unit gives additional protection.

Improvement in corrosion resistance

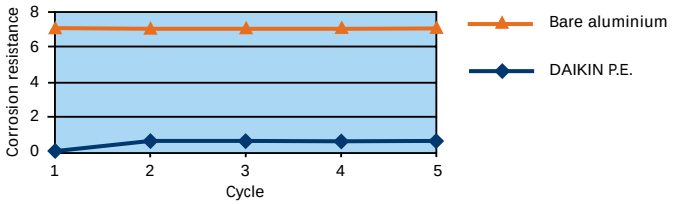
	Corrosion resistance rating	
	Non-treated	Anti-corrosion treated
Salt corrosion	1	5 to 6
Acid rain	1	5 to 6

Performed tests :

1 VDA Wechseltest

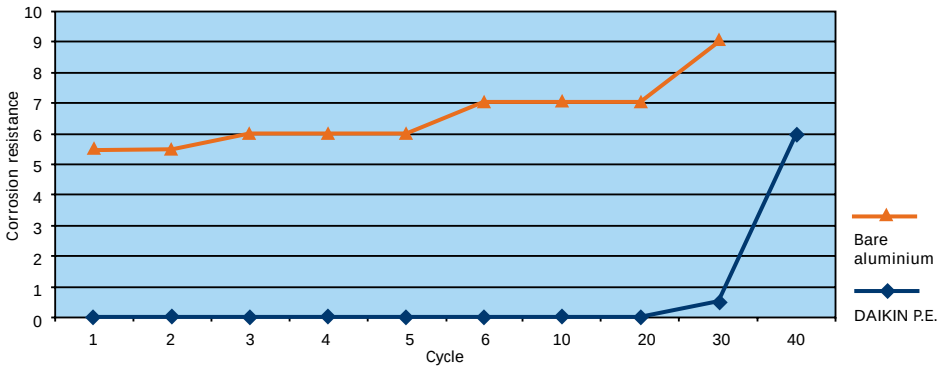
contents of 1 cycle (7 days):
- 24 hours salt spray test SS DIN 50021
- 96 hours humidity cycle test KFW DIN 50017
- 48 hours room temperature & room humidity

testing period : 5 cycles



2 Kesternich test (SO2)

contents of 1 cycle (48 hours) according to DIN50018 (0.21)
testing period : 40 cycles



- The refrigerant recovery function enables all expansion valves to be opened. In this way the refrigerant can be drained from the piping system and stored in the receiver and the condenser.

2 Back-up function

If one of the compressors in a VRV Plus outdoor unit should malfunction, the back-up function, by means of remote control, will allow emergency operation of another compressor.

3 No standby equipment required

Conventional VAV (Variable Air Volume) systems and chiller/fan coil systems require expensive and bulky standby units in case of breakdown. Since most outdoor units of the VRV system comprise a number of independent compressors, the system as a whole will continue to function in the event of a unit breakdown.

D. Eco friendly

1 Lowest refrigerant amount in the total system

2 Dramatic reduction in initial refrigerant charge :

Class 10	R-22 K series	R-407C K series	R-407C L series
Refrigerant charge	100 %	83 %	71 %

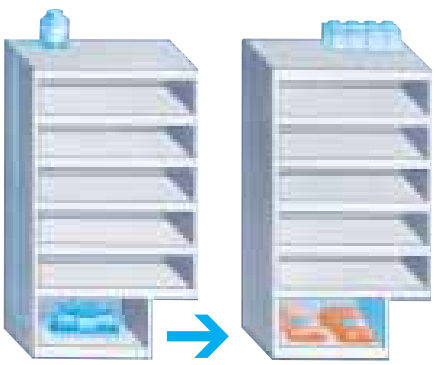
3 Optimised R-407C design

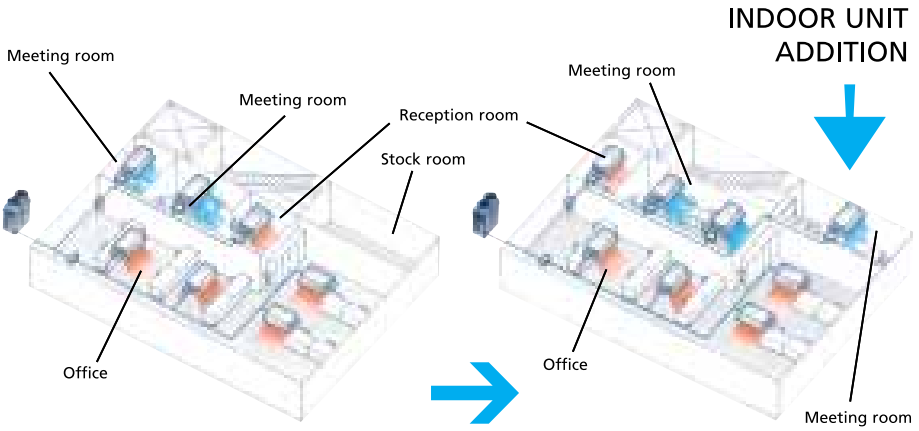
The coil and PCB settings of R-407C units have been specially adapted to enable a rapid changeover from R-22 to R-407C without capacity loss (± 7 %).

E. Easy and flexible design

1 Total room layout flexibility

- VRV systems are easily adaptable to changes in room layout : extra indoor units can be added to a VRV outdoor unit up to a capacity level of 130%.
- Also, since VRV (Plus) heat recovery systems offer simultaneous cooling and heating, existing indoor and outdoor units can continue to provide year round air conditioning from their existing locations, even if office layouts are altered or extended.





ROOM LAYOUT CHANGE

2 Complete flexibility

- The VRV system enables different floors or even rooms to be rented to different customers, because each room has independent control of its air conditioning.
- Thanks to inverter technology, as many as 32 indoor units with different types and capacities can be installed in one system. This system automatically and effectively controls each unit to provide individual rooms of different sizes with a comfortable working or living environment.

3 Year round cooling and/or heating

- Designed to provide simultaneous year round cooling and/or heating, VRV (Plus) heat recovery systems are modular in concept and are therefore, ideal for use in rooms or zones that generate varying thermal loads according to building orientation or local hot or cold spots.
- It is possible for the same meeting room to give rise to differing thermal loads depending on the time of day, number of occupants present, location and usage pattern of lighting and electronic office equipment.
- Until the advent of the VRV, a complex 4-pipe fan coil was needed to meet this requirement. The VRV however, is easier to design and install and in its heat recovery format, can conserve energy in two or more rooms at the same time.

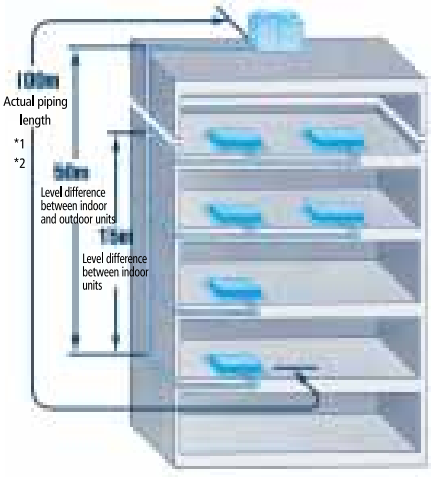
4 Efficient use of space

The VRV system allows you to use the available space more efficiently. Instead of having to incorporate a machine room in to your building plans, you can use this space for other purposes, such as a garage.

5 Longest refrigerant piping run

The ability to sustain refrigerant piping in lengths up to 120m (140m equivalent), allows systems to be designed with level differences of 50m between indoor and outdoor units and 15m between individual indoor units. Thus, even with installations in 15 storey buildings, all outdoor units can be located at rooftop level.

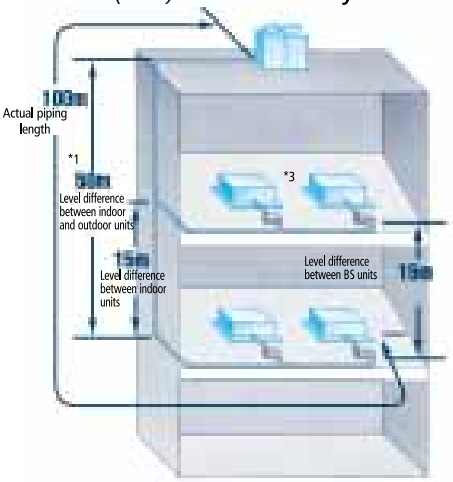
VRV™ (PLUS) Inverter Series



*1 in this case the outdoor unit is located above the indoor unit. If the outdoor unit is located underneath the indoor unit the level difference is a maximum of 40m.

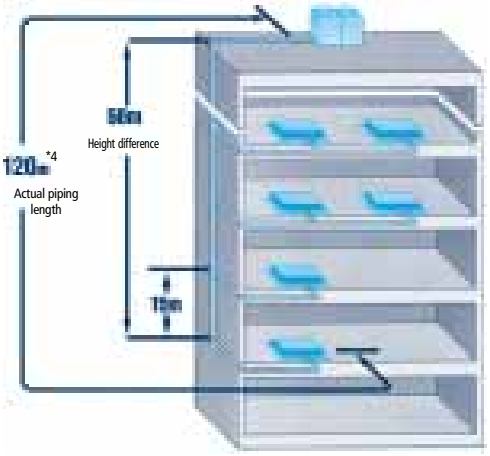
*2 The maximum actual piping length between the indoor unit and the first branch is 40m.

VRV™ (PLUS) heat recovery Series



*3 The BS unit can be located anywhere between the indoor unit and outdoor unit, if installing after the first branch (REFNET JOINT or HEADER) , the piping limit is less than 40m. This value is based on the case where the outdoor unit is located above the indoor unit.

R-VRV™ *5

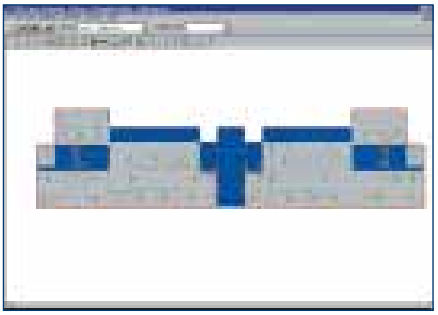


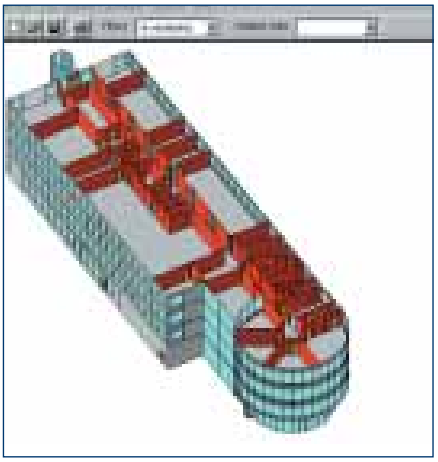
*4 Equivalent piping length 140m
*5 Total length = no special restrictions

6 Short planning and design time

In conventional water systems, the size of the pipes must be calculated in accordance with the water flow rate.
However, using a Daikin VRV system, with innovative compressor technology, time-consuming piping calculations are not necessary, offering considerable reductions in design time.

E. Easy and flexible design





7 Hi-VRV Selection Programme

A simple to use, Daikin Hi-VRV air conditioning computerised selection programme, designed for use with Windows 95®, Windows 98® and WindowsNT® systems, enables consulting engineers, design and build contractors, property developers and architects etc. to plan a Daikin air conditioning project on a step by step basis, complete with detailed drawings, bills of quantities and costs.
The programme thus enables VRV air conditioning systems to be engineered precisely and economically (without over-sizing units), thereby ensuring optimum operating cycles and maximum energy efficiency.

Features :

- the Hi-VRV selection programme offers 3 separate modes to accommodate different design formats according to customer requirements:

1. Expert mode :
once the cooling and heating loads in the different rooms have been calculated, the software will select the most appropriate system plus an estimate of the power consumption

2. Quick mode :
based on calculated system loads, the software will select the most appropriate system

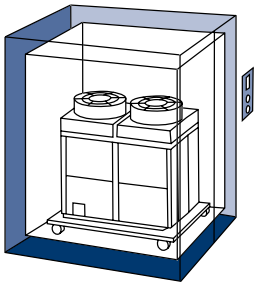
NEW **3. Drawing mode :**
selecting the indoor and outdoor units from a list enables the user to design a system in no time at all

- autocad and scanned drawings can be used to help draw up a floor plan
- piping diameters can be automatically calculated
- indoor and outdoor units, headers and joints etc can be automatically selected

F. Simple and rapid installation

1 short installation time

- Thanks to small bore refrigerant pipes and REFNET piping options, the VRV piping system can be installed very easily and quickly.
- Installation of the VRV system can also be implemented floor by floor, so that sections of the building can be put into use very quickly, or enabling the air conditioning system to be commissioned and operated in stages, rather than on final completion of the project.



2 Modular & lightweight

- Modular design enables units to be joined together in rows with an outstanding degree of uniformity.
- The design of the outdoor units (from 5HP to 10HP) is sufficiently compact to allow them to be taken up to the top of a building in a commercial elevator, overcoming site transportation problem, particularly when outdoor units need to be installed on each floor.

3 No structural reinforcement necessary

Thanks to the lightweight and vibration-free construction of the outdoor units, floors do not need to be reinforced, reducing the overall cost of the building.

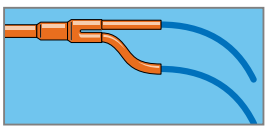
REFNET joint

Attached insulators for REFNET joint

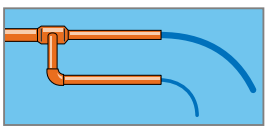
REFNET header

Attached insulators for REFNET header

REFNET joint



T-joint



4 Unified REFNET piping

- The unified Daikin REFNET piping system is especially designed for simple installation and for use with both R-407C and R-22 refrigerants.
- Only 2 or 3 main refrigerant pipes are necessary per system and unlike conventional water based schemes, VRV systems do not require strainers, stop valves, 2 and 3 way valves, oil traps, anti freeze treatment or air purging.
- The use of REFNET piping in combination with electronic expansion valves, results in a dramatic reduction in imbalance in refrigerant flowing between indoor units, despite the small diameter of the piping.
- REFNET joints and headers (both accessories) can cut down on installation work and increase system reliability.
- Compared to regular T-joints, where refrigerant distribution is far from optimal, the Daikin REFNET joints have specifically been designed to optimise refrigerant flow

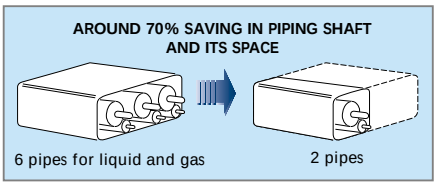
F. Simple and rapid installation

5 3-way piping connection

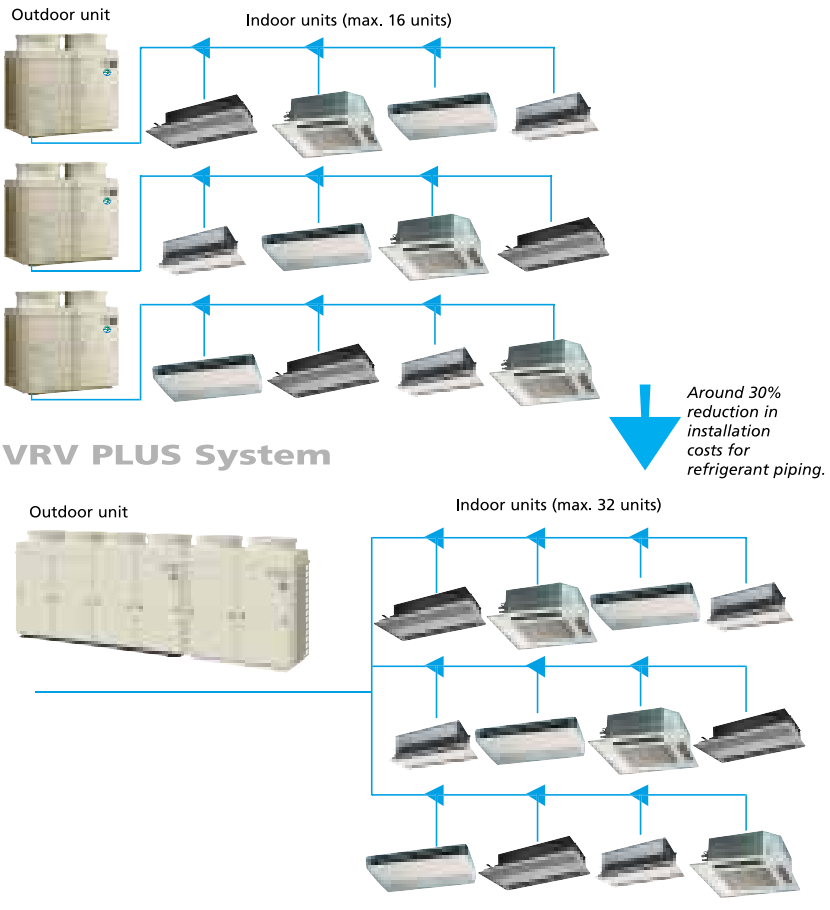
VRV Plus Inverter and heat recovery series not only offer the possibility to run piping from the front, but also from the side and bottom, thus providing greater freedom of layout.

6 VRV PLUS

reduced piping shaft and costs



The use of a **single refrigerant piping circuit**, cuts piping costs by 25 to 30% and pipe shaft space by almost 70%, thereby reducing installation space requirements by a significant margin (based on Daikin calculations).



7 Sequential start

Up to 3 outdoor units can be connected to 1 power supply and can be turned on sequentially. This allows the number of breakers and their capacities to remain small and simplifies wiring (for models of 10Hp or less).

8 Self diagnosis

Detects malfunctions in major locations of the system and displays the type of malfunction and location, which in turn allows servicing and maintenance to be performed more efficiently.

9 Crosswiring check

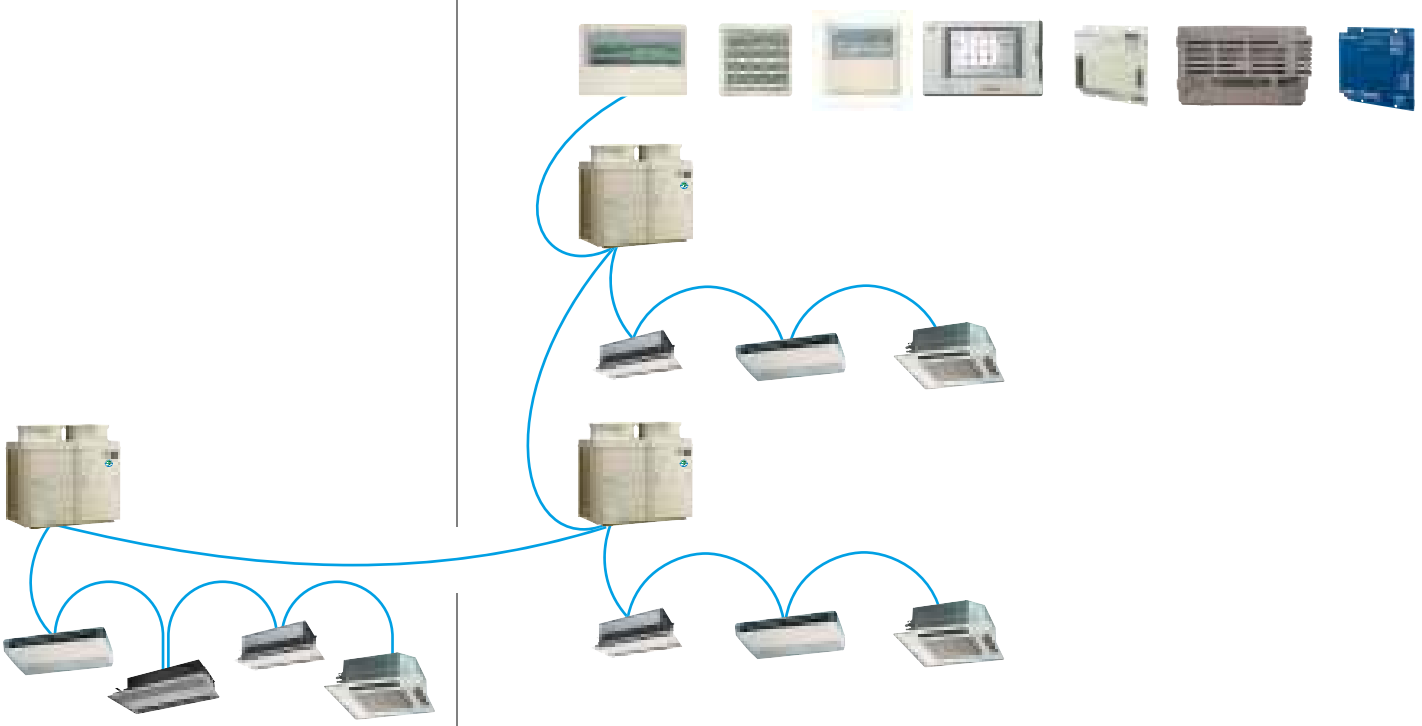
The cross wiring check facility available on the VRV (Plus) inverter and heat recovery series is the first of its type in the industy to warn operatives of connection errors in interunit wiring and piping. This function identifies and alerts system errors by means of on/off LEDs on the outdoor unit's PC boards.

10 Simplified wiring

A simple 2-wire non-shielded multiplex transmission system links each outdoor unit to multiple indoor units using one 2-core wire, thus simplifying the wiring operation.

11 "Super Wiring" system

- A Super Wiring system is used to enable the shared use of wiring between indoor units, outdoor units and the centralised remote control.
- This system makes it easy for the user to retrofit the existing system with a centralised remote control, simply by connecting it to the outdoor units.
- Thanks to a non polarity wiring system, incorrect connections become impossible and installation time is reduced.



12

Furthermore, outdoor units have **power connection outlets** on the side and front, resulting in easier installation and maintenance and saving space when rows of units are connected together.

13 Auto address setting function

Allows wiring between indoor and outdoor units, as well as group control wiring of multiple indoor units, to be performed without the bothersome task of manually setting each address.

product features

INDOOR UNITS

Survey indoor units using R-407C

4-way blow ceiling mounted cassette
20-25-32-40-50-63-80-100-125
FXYFP p. 28

2-way blow ceiling mounted cassette
20-25-32-40-50-63-80-125
FXYCP p. 30

Ceiling mounted corner cassette
25-32-40-63
FXK p. 32

Concealed ceiling unit
20-25-32-40-50-63-80-100-125
FXYSP p. 34

Concealed ceiling unit (small)
20-25
FXYBP p. 36

Concealed ceiling unit (large)
40-50-63-80-100-125-200-250
FXM p. 38

4-way blow ceiling suspended unit
71-100-125
FUYP p. 40

Ceiling suspended unit
32-63-100
FXH p. 42

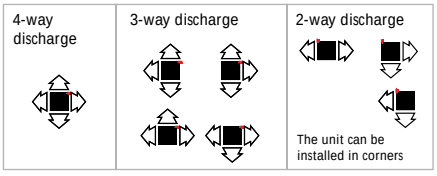
Wall mounted unit
20-25-32-40-50-63
FXA/FXYAP p. 44

Floor standing unit
20-25-32-40-50-63
FXL p. 46

Concealed floor standing unit
20-25-32-40-50-63
FXN p. 46

FXYFP

4-WAY BLOW CEILING MOUNTED CASSETTE



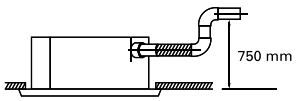
... indicates the piping connection direction

BRC1C517

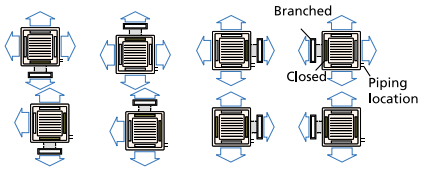
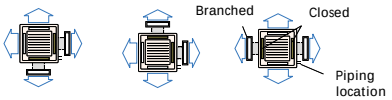
BRC7C512W/513W

Elegant & compact

- Sound pressure levels down to 28dBA leave even the most sensitive occupant undisturbed
- Slimmer unit requires only 240mm of ceiling space (298mm for model 80 and above)
- Air flow distribution to suit ceiling heights up to 4.2m for model 80 and above
- Drain-up pump with increased lift of 750mm fitted as standard



- Air can be discharged in any of four directions. Possibility to shut one or two flaps for easy installation in corners or to use 1 or 2 branches

Single branch - 8 patterns	2 branches - 3 patterns
	

- Choice of 3 auto-swing positions for maximum comfort: standard, draught prevention, ceiling soiling prevention

Simple installation

- Easy to fit decoration panel
- Suction grille can be rotated by 90°
- Easy height adjustment via adjuster slot

Easy maintenance

- Easy to clean suction grille and filter
- Extended cleaning cycle of the heat exchanger: once every 3 years

Fits flush into each ceiling

FXYFP - KB7V19				20	25	32	40	50	63	80	100	125
Nominal cooling capacity			kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Nominal heating capacity			kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input	Cooling		W	90			97	106	118	173	184	230
	Heating		W	75			82	90	101	159	169	215
Power supply				1~, 50Hz, 230V								
Dimensions	Unit	HxWxD	mm	230x840x840						288x840x840		
	Decoration panel	HxWxD	mm	40x950x950						40x950x950		
Weight	Unit		kg	24						28		
	Decoration panel		kg	5						5		
Casing				galvanised steel plate								
Colour	Decoration panel			white								
Sound pressure level	High		dB(A)	31	31	31	32	33	34	38	40	45
	Low		dB(A)	28	28	28	28	28	29	32	33	36
Sound power level			dB(A)	48	48	48	49	50	51	54	56	61
Air flow rate	High		m^3/h	780	780	780	840	960	1,080	1,680	1,680	1,860
	Low		m^3/h	600	600	600	600	660	840	1,200	1,260	1,440
Air filter				resin net with mold resistant								
Temperature control				microprocessor thermostat for cooling and heating								
Piping connections	Liquid	Flare	mm	Ø 6.4				Ø 9.5			Ø 9.5	
	Gas	Flare	mm	Ø 12.7				Ø 15.9			Ø 19.1	
	Drain		mm	VP25, external diameter 32, internal diameter 25								
Sound absorbing thermal insulation				foamed polystyrene								
Safety devices				PC board fuse, fan motor thermal protector, drain pump fuse								

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB • outdoor temperature: 35°CDB • equivalent refrigerant piping: 7.5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB • outdoor temperature: 7°CDB, 6°CWB • equivalent refrigerant piping: 7.5m (horizontal)
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat

ACCESSORIES

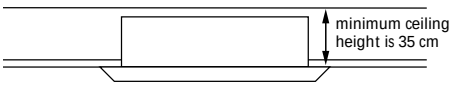
FXYFP - KB7V19			20	25	32	40	50	63	80	100	125
Wired remote control			BRC1C517								
Infrared remote control		Cooling only	BRC7C513W								
		Heat pump	BRC7C512W								
Decoration panel			BYC125KJW1								
High efficiency filter 65% *1		Colorimetric method	KAFJ556K80						KAFJ556K160		
High efficiency filter 90% *1		Colorimetric method	KAFJ557K80						KAFJ557K160		
Replacement high eff. filter 65%		Colorimetric method	KAFJ553K80						KAFJ553K160		
Replacement high eff. filter 90%		Colorimetric method	KAFJ552K80						KAFJ552K160		
Filter chamber for above			KDDFJ55K160								
Replacement long life filter		Non woven type	KAFJ551K160								
Replacement ultra long life filter			KAFJ55K160H								
Fresh air intake kit	Chamber type	without T-shape and fan	KDDJ55B160F								
		with T-shape and fan	KDDJ55B160K								
		with T-shape, without fan	KDDJ55B160K								
	Direct installation type		KDDJ55X160								
Air discharge outlet sealing member			KDBHJ55K160								
Panel spacer			KDBJ55K160W								
Branch duct chamber			KDJ55B80						KDJ55B160		
Chamber connection kit			KKSJ55K160								

FXYCP

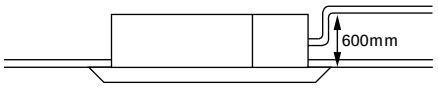
2-WAY BLOW CEILING MOUNTED CASSETTE

Stylish & compact

- Slim unit can be installed in a ceiling void of only 355mm



- Depth of all units is 600mm : easy installation in false ceilings
- Whisper quiet operation: down to 28dBA
- Long life filter is provided as standard



- Drain-up pump with 600mm lift fitted as standard
- Leaves maximum floor and wall space for furniture and decorations
- Auto-swing mechanism ensures even room air and temperature distribution and prevents ceiling soiling.

Less maintenance

- Maintenance operations can be performed by removing the front panel
- Easy to clean flat suction grille
- Detachable swing flaps

BRC1C517

BRC7C62/67

Easy installation in narrow ceiling voids

FXYCP - K7V19				20	25	32	40	50	63	80	125
Nominal cooling capacity			kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Nominal heating capacity			kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power input	Cooling		W	77	92		130		161	209	256
	Heating		W	44	59		97		126	176	223
Power supply				1~, 50Hz, 230V							
Dimensions	Unit	HxWxD	mm	305x780x600			305x995x600		305x1,180x600	305x1,670x600	
	Decoration panel	HxWxD	mm	53x1,030x680			53x1,245x680		53x1,430x680	53x1,920x680	
Weight	Unit		kg	26			31	32	35	47	48
	Decoration panel		kg	8			8.5		9.5	12	
Casing				galvanised steel plate							
Colour	Decoration panel			white (10Y9/0.5)							
Sound pressure level	High		dB(A)	33	35		35.5		38	40	45
	Low		dB(A)	28	29		30.5		33	35	39
Sound power level			dB(A)	45	50		50		52	54	60
Air flow rate	High		m^3/h	420	540		720		990	1,560	1,980
	Low		m^3/h	300	390		540		780	1,260	1,500
Air filter				resin net with mold resistant							
Temperature control				microprocessor thermostat for cooling and heating							
Piping connections	Liquid	Flare	mm	Ø 6.4				Ø 9.5			Ø 9.5
	Gas	Flare	mm	Ø 12.7				Ø 15.9			Ø 19.1
	Drain		mm	VP25, external diameter 32, internal diameter 25							
Sound absorbing thermal insulation				felt / urethane foam							
Safety devices				PC board fuse, fan motor thermal fuse, drain pump fuse							

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 8m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 8m (horizontal)
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat

ACCESSORIES

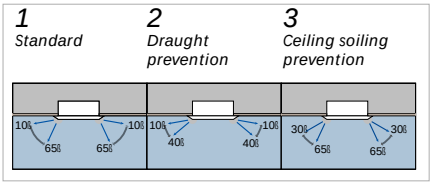
FXYCP - K7V19		20	25	32	40	50	63	80	125
Wired remote control		BRC1C517							
Infrared remote control	Cooling only	BRC7C67							
	Heat pump	BRC7C62							
Decoration panel		BYBC32GJW1			BYBC50GJW1		BYBC63GJW1	BYBC125GJW1	
High efficiency filter 65% *1		KAFJ532G36			KAFJ532G56		KAFJ532G80	KAFJ532G160	
High efficiency filter 90% *1		KAFJ533G36			KAFJ533G56		KAFJ533G80	KAFJ533G160	
Filter chamber for bottom suction		KDDFJ53G36			KDDFJ53G56		KDDFJ53G80	KDDFJ53G160	
Replacement long life filter		KAFJ531G36			KAFJ531G56		KAFJ531G80	KAFJ531G160	

Note:
*1. Filter chamber is required when installing a high efficiency filter

FXK

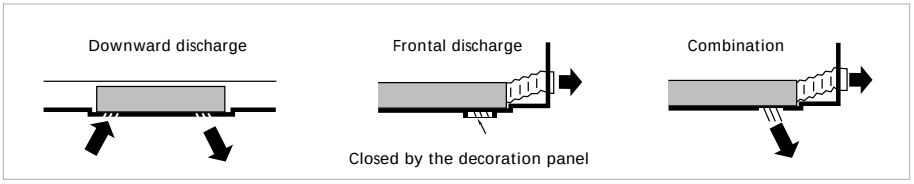
CEILING MOUNTED CORNER CASSETTE

- Choice of 3 auto-swing positions:

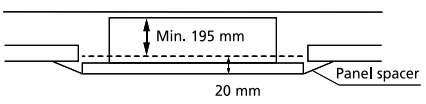


Note:
Set standard to 4-way discharge when shipped.
High ceiling types 1 and 2 will be set for remote control operation.

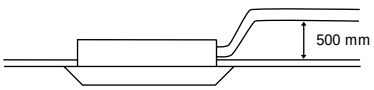
- Auto-swing mechanism ensures even room air and temperature distribution
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both



- Leaves maximum floor and wall space for furniture, decoration and fittings
- The corner cassette is specifically designed for use in rooms with shallow ceiling voids (only 220mm ceiling space required, 195mm with panel spacer, available as accessory)



- Drain-up pump with 500mm lift fitted as standard



Slim design for flexible installation

BRC1C517

BRC4C61/63

FXK - LVE				25	32	40	63
Cooling capacity			kW	2.8	3.6	4.5	7.1
Heating capacity			kW	3.2	4.0	5.0	8.0
Power input	Cooling		W	66		76	105
	Heating		W	46		56	85
Power supply				1~, 50Hz, 230V			
Dimensions	Unit	HxWxD	mm	215x1,110x710			215x1,310x710
	Decoration panel	HxWxD	mm	70x1,240x800			70x1,440x800
Weight	Unit		kg	31			34
	Decoration panel		kg	8.5			9.5
Material	Unit			galvanised steel plate			
Colour	Decoration panel			white			
Sound pressure level - 220V	High		dB(A)	38		40	42
	Low		dB(A)	33		34	37
Sound power level			dB(A)	*		*	*
Air flow rate	High		m^3/h	660		780	1,080
	Low		m^3/h	540		600	900
Air filter				resin net with mold resistant			
Temperature control				microprocessor thermostat for cooling and heating			
Piping connections	Liquid	Flare	mm	Ø 6.4			Ø 9.5
	Gas	Flare	mm	Ø 12.7			Ø 15.9
	Drain		mm	VP25 (external diameter 32, internal diameter 25)			
Sound absorbing thermal insulation				foamed polyethylene			
Safety devices				PC board fuse, fan motor thermal fuse, drain pump thermal fuse		PC board fuse, fan motor thermal protector, drain pump thermal fuse	

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 5m (horizontal)
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
- *Data were not available at the time of publication

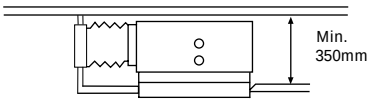
ACCESSORIES

FXK - LVE		25	32	40	63
Wired remote control		BRC1C517			
Infrared remote control	Cooling only	BRC4C63			
	Heat pump	BRC4C61			
Decoration panel		BYK45FJW1			BYK71FJW1
Panel spacer		KPBJ52F56W			KPBJ52F80W
Replacement long life filter		KAFJ521F56			KAFJ521F80
Air discharge grille		K-HV7AW			K-HV9AW
Air discharge blind panel		KDBJ52F56W			KDBJ52F80W
Flexible duct (with shutter)		KFDJ52F56			KFDJ52F80

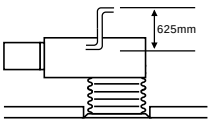
FXYSP

CONCEALED CEILING UNIT

- High external static pressure facilitates unit use with flexible ducts of varying lengths
- Low sound pressure level - 28dBA. The quiet operation of this model is ideal for exclusive stores and offices
- Blends unobtrusively with any interior décor
- When using suction panel, unit requires only 350mm of ceiling space



- Drain-up pump with lift up to 625mm fitted as standard



- The air suction direction can be altered from rear to bottom suction
- The switch box can be reached from the side or from the bottom side of the unit for easy servicing
- Long life filter fitted as standard


BRC1C517


BRC4C62/64


BRC2A51


BRC3A61

High flexibility for a wide variety of applications

FXYSP - KA7V19				20	25	32	40	50	63	80	100	125
Nominal cooling capacity			kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Nominal heating capacity			kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input	Cooling		W	110		114	127	143	189	216	246	321
	Heating		W	90		94	107	123	169	196	226	301
Power supply				1~, 50Hz, 230V								
Dimensions	Unit	HxWxD	mm	300x550x800			300x700x800		300x1,000x800	300x1,400x800		
	Decoration panel	HxWxD	mm	55x650x500			55x800x500		55x1,100x500	55x1,500x500		
Weight	Unit		kg	30			30	31	41	51		52
	Decoration panel		kg	3			3.5	3.5	4.5	6.5		6.5
Casing				galvanised steel plate								
Colour	Decoration panel			white 10Y9/0.5								
Sound pressure level	High		dB(A)	32		33	33	35	35	37	38	40
	Low		dB(A)	28		28	29	31	30	31	33	35
Sound power level			dB(A)	50		51	56	58	56	55	56	65
Air flow rate	High		m^3/h	540		570	690	900	1,260	1,620	1,680	2,280
	Low		m^3/h	390		420	540	660	930	1,200	1,230	1,680
Air filter				resin net with mold resistant								
Temperature control				microprocessor thermostat for cooling and heating								
Piping connections	Liquid	Flare	mm	Ø 6.4				Ø 9.5			Ø 9.5	
	Gas	Flare	mm	Ø 12.7				Ø 15.9			Ø 19.1	
	Drain		mm	VP25, external diameter 32, internal diameter 25								
Sound absorbing thermal insulation				foamed polyurethane								
Safety devices				PC board fuse, fan motor thermal fuse, drain pump fuse								

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB • outdoor temperature: 35°CDB • equivalent refrigerant piping: 8m • level difference: Om
- Nominal heating capacities are based on: indoor temperature: 20°CDB • outdoor temperature: 7°CDB, 6°CWB • equivalent refrigerant piping: 8m • level difference: Om
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
- The sound pressure values are mentioned for a unit installed with rear suction

ACCESSORIES

FXYSP - KA7V19			20	25	32	40	50	63	80	100	125
Wired remote control			BRC1C517, BRC2A51, BRC3A61								
Infrared remote control	Cooling only		BRC4C64								
	Heat pump		BRC4C62								
Decoration panel			BYBS32DJW1			BYBS45DJW1		BYBS71DJW1	BYBS125DJW1		
Service access panel			KTBJ25K36W			KTBJ25K56W		KTBJ25K80W	KTBJ25K160W		
Auxiliary electric heater *1,3	Model	240V/220V	KEA25K32VE			KEA25K50VE		KEA25K63VE	KEA25K100VE		KEA25K125VE
	Capacity	kW	0.75			1.2		1.4	2.1		2.8
High efficiency filter 65% *2			KAFJ252L36			KAFJ252L56		KAFJ252L80	KAFJ252L160		
High efficiency filter 90% *2			KAFJ253L36			KAFJ253L56		KAFJ253L80	KAFJ253L160		
Filter chamber for bottom suction			KAJ25L36D			KAJ25L56D		KAJ25L80D	KAJ25L160D		
Filter chamber rear suction			KAJ25L36B			KAJ25L56B		KAJ25L80B	KAJ25L160B		
Air suction canvas			KSA-25K36			KSA-25K56		KSA-25K80	KSA-25K160		
Screening door/blind board			KBBJ25K36			KBBJ25K56		KBBJ25K80	KBBJ25K160		
Air discharge adapter for round duct			KDAJ25K36			KDAJ25K56		KDAJ25K71	KDAJ25K140		

Notes:
- *1. A wiring adapter (KRP1B61) per indoor unit is required if installing an electric heater.
- *2. If installing a high efficiency filter in the ceiling mounted built-in unit, an assembly chamber for either bottom or rear suction is required.
- *3. An electric heater cannot be used for VRV system cooling only.

FXYBP

CONCEALED CEILING UNIT (SMALL)

- Designed for hotel use: very compact dimensions (230mm high x 652mm wide)
- Can easily be mounted in a ceiling void
- Since only the suction and discharge grilles are visible, the system will blend in any interior décor
- The air suction direction can be altered from rear to bottom suction

NEW

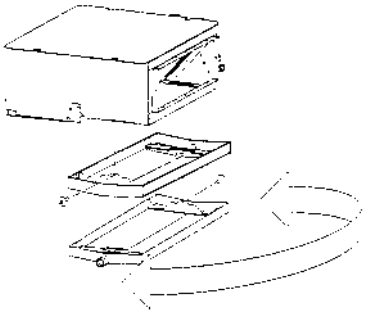
- Standard suction air filter
- Extremely quiet in operation, both indoors and outdoors
- For easy mounting, the drain pan connection can be located to the left or right of the unit

BRC1C517

BRC4C62/64

BRC2A51

BRC3A61



Blends beautifully with hotel rooms



FXYBP - KC7V19				20	25
Nominal cooling capacity			kW	2.2	2.8
Nominal heating capacity			kW	2.5	3.2
Power input	Cooling		W	50	
	Heating		W	50	
Power supply				1~, 50Hz, 230V	
Dimensions	HxWxD		mm	230x652x502	
Weight			kg	17	
Casing				zinc coated low carbon steel	
Sound pressure level	High		dB(A)	37	
	Low		dB(A)	32	
Sound power level			dB(A)	50	
Air flow rate	High		m^3/h	402	444
	Low		m^3/h	312	348
Air filter				resin net with mold resistant	
Temperature control				microprocessor thermostat for cooling and heating	
Piping connections	Liquid	Flare	mm	Ø6.35	
	Gas	Flare	mm	Ø12.7	
	Drain		mm	VP25, external diameter 27.2, internal diameter 21.6	
Safety devices				PC board fuse	

Notes : • Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
outdoor temperature: 35°CDB
equivalent refrigerant piping: 8m (horizontal)
• Nominal heating capacities are based on: indoor air temperature: 20°CDB
outdoor temperature: 7°CDB, 6°CWB
equivalent refrigerant piping: 8m (horizontal)
• Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

ACCESSORIES

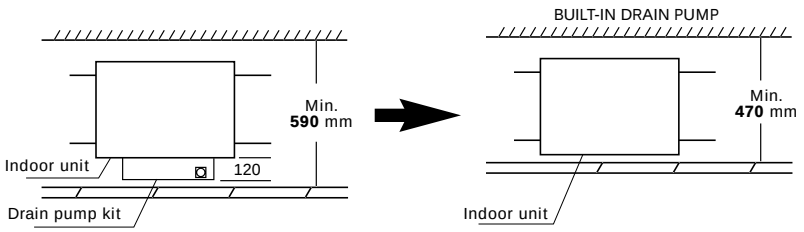
FXYBP - K7CV19		20	25
Wired remote control		BRC1C517, BRC2A51, BRC3A61	
Infrared remote control	Cooling only	BRC4C64	
	Heat pump	BRC4C62	
Wiring adapter for electric heater *1		KRP1B2	

Note:
*1. Fixing box: KRP1A90

FXM

CONCEALED CEILING UNIT (LARGE)

- Leaves maximum floor and wall space for furniture decoration and fittings
- Complete range of models (5 --> 31.5 kW)
- More than 150 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- External static pressure can be easily adjusted using a change-over switch inside the electrical box to meet the resistance in the duct system
- Drain-up height: 294 mm for class 40 to 125
  375 mm for class 200, 250
- Built-in drain pump (accessory):
  housing the drain pump inside the unit has reduced the required installation space



BRC1C517

BRC4C62/64

BRC2A51

BRC3A61

High static pressure allows flexible duct design

FXM - LVE				40	50	63	80	100	125	200	250
Nominal cooling capacity			kW	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Nominal heating capacity			kW	5.0	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Power input	Cooling		W	211		284	411		619	1,294	1,465
	Heating		W	211		284	411		619	1,294	1,465
Power supply				1~, 50Hz, 230V							
Dimensions	HxWxD		mm	390x720x690			390x1,110x690			470x1,380x1,100	
Weight			kg	44		45	62	63	65	137	
Casing				galvanised steel plate							
Sound pressure level - 220V	High		dB(A)	39		42	43		45	48	
	Low		dB(A)	35		38	39		42	45	
Sound power level			dB(A)	*		*	*		*	*	
Air flow rate	High		m^3/h	840		1,170	1,740		2,160	3,480	4,320
	Low		m^3/h	690		960	1,380		1,740	3,000	3,720
Air filter				cf. note 4							
Temperature control				microprocessor thermostat for cooling and heating							
Piping connections	Liquid	Flare	mm	Ø 6.4		Ø 9.5		Ø 9.5		Ø 12.7	Ø 12.7
	Gas	Flare	mm	Ø 12.7(flare)		Ø 15.9(flare)		Ø 19.1(flare)		Ø25.4(brazing)	Ø28.6(brazing)
	Drain		mm	VP25, external diameter 32, internal diameter 25						PS1B	
Sound absorbing thermal insulation				glass fiber							
Safety devices				PC board fuse, fan motor thermal protector							

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB; outdoor temperature: 35°CDB; equivalent refrigerant piping:5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB; outdoor temperature: 7°CDB, 6°CWB; equivalent refrigerant piping: 5m (horizontal)
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
- The air filter is not a standard accessory, but please mount it in the duct system at the suction side. Select its colorimetric method (gravity method) 50% or more.
- *Data were not available at the time of publication

ACCESSORIES

FXM-LVE		40	50	63	80	100	125	200	250
Wired remote control		BRC1C517, BRC2A51, BRC3A61							
Infrared remote control	Cooling only	BRC4C64							
	Heat pump	BRC4C62							
Drain pump kit		KDU30K125VE						KDU30L250VE	
High efficiency filter 65%		KAFJ302L71			KAFJ302L140			KAFJ372L280	
High efficiency filter 90%		KAFJ303L71			KAFJ303L140			KAFJ373L280	
Filter chamber		KDDJ30L71			KDDJ30L140			KDJ3705L280	
Replacement long life filter		KAFJ301L71			KAFJ301L140			KAFJ371L280	

FUYP

4-WAY BLOW CEILING SUSPENDED UNIT

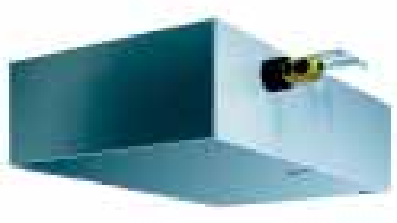
- Group control with other VRV indoor units
- Cool/heat selection available
- To prevent cold draught at hot start, defrost and oil return in heating
- 5m maximum distance between FUYP unit and junction box
- Air can be discharged in any of four directions
- Possibility to shut one or two flaps for easy installation in corners

- Auto-swing mechanism ensures even room air and temperature distribution
- Air flow distribution for ceiling heights up to 3.5m
- Air can be discharged at 5 different angles between 0 and 60 degrees.

- Extremely quiet in operation both indoors and outdoors
- The air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated
- Drain-up pump with increased lift of 500mm

BRC1C517

BRC7C529W/528W



BEV-KVE

Ideal for installation in new or existing buildings



FUYP - BV17				71	100	125
Cooling capacity			kW	7.09	9.99	12.48
Heating capacity			kW	7.7	11.0	14.0
Power input	Cooling		W	180	289	289
	Heating		W	160	269	269
Power supply				1~, 50Hz, 230V		
Dimensions	HxWxD		mm	165x895x895	230x895x895	230x895x895
Weight			kg	25	31	31
Colour				white		
Sound pressure level	High		dB(A)	40	43	44
	Low		dB(A)	35	38	39
Sound power level	High		dB(A)	56	59	60
	Low		dB(A)	51	54	55
Air flow rate	High		m^3/h	1,140	1,740	1,920
	Low		m^3/h	840	1,260	1,380
Air filter				resin net with mold resistant		
Piping connections	Liquid	Flare	mm	9.5	9.5	9.5
	Gas	Flare	mm	15.9	19.1	19.1
	Drain	Flare	mm	external diameter 26, internal diameter 20		
Heat insulation				heat resistant foamed polyethylene, regular foamed polyethylene		
Safety devices				fan motor thermal protector		

Notes: • Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB • outdoor temperature: 35°CDB, 24° CWB
• Nominal heating capacities are based on: indoor temperature: 20°CDB, 15° CWB . outdoor temperature: 7°CDB, 6°CWB
• Capacities are net including a deduction for cooling (an addition for heating) for indoor fan motor heat

ACCESSORIES

FUYP - BV17		71	100	125
Wired remote control		BRC1C517		
Infrared remote control	Cooling only	BRC529W		
	Heat pump	BRC528W		
Sealing member of air discharge outlet		KDBHJ49F80	KDBHJ49F140	
Air discharge decoration panel		KDBTJ49F80	KDBTJ49F140	
Vertical flap kit		KDGJ49F80	KDGJ49F140	
Replacement long life filter		KAFJ49F140		
L-type connection piping kit		KHFJ49F80	KHFJ49F140	

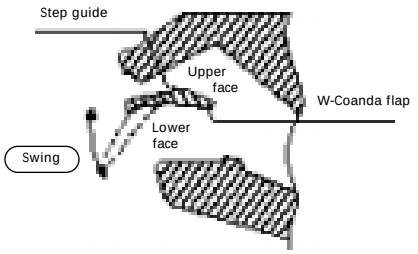
JUNCTION BOX FOR CONNECTION TO VRV OUTDOOR UNIT

BEV-KVE			71	140
Power input	Cooling		169	259
	Heating		149	239
Power supply		VE	1~, 50 Hz, 230V	
Dimensions	HxWxD	mm	100x350x225	
Weight			3.0	3.5
Casing			galvanised steel plate	
Sound absorbing thermal insulation			flame and heat resistant foamed polyethylene	
Unit connenction			ø 9.5 / ø 15.9	ø 9.5 / ø 19.1
Header connection			ø 6.4 / ø 12.7	-

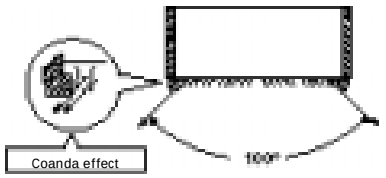
FXH

CEILING SUSPENDED UNIT

- Quiet in operation: down to 31 dBA sound pressure level
- Leaves maximum floor and wall space for furniture and decoration
- Can be installed in both new and existing buildings
- Use of W-Coanda flap enhances horizontal and vertical air circulation characteristics



- Wider air discharge thanks to Coanda effect: up to 100 degrees



- Maximum drain-up height: 590 mm
- Long life filter fitted as standard
- Drain pump kit available as accessory
- Easy installation and maintenance

BRC1C517

BRC7E63W/E66

Slim unit with super silent and greater air flow

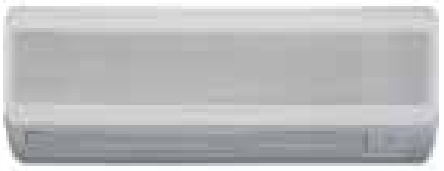


FXH - LVE				32	63	100
Nominal cooling capacity			kW	3.6	7.1	11.2
Nominal heating capacity			kW	4.0	8.0	12.5
Power input	Cooling		W	111	115	135
	Heating		W	111	115	135
Power supply				1~, 50Hz, 230V		
Dimensions	HxWxD		mm	195x960x680	195x1,160x680	195x1,400x680
Weight			kg	24	28	33
Colour				white (10Y9/0.5)		
Sound pressure level	High		dB(A)	36	39	45
	Low		dB(A)	31	34	37
Sound power level			dB(A)	*	*	*
Air flow rate	High		m^3/h	720	1,050	1,500
	Low		m^3/h	600	840	1,170
Air filter				resin net with mold resistant		
Temperature control				microprocessor thermostat for cooling and heating		
Piping connections	Liquid	Flare	mm	Ø 6.4	Ø 9.5	Ø 9.5
	Gas	Flare	mm	Ø 12.7	Ø 15.9	Ø 19.1
	Drain		mm	VP20 (external diameter 26, internal diameter 20)		
Sound absorbing thermal insulation				glass wool		
Safety devices				PC board fuse, fan motor thermal protector		

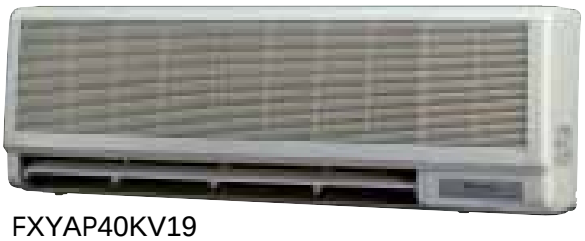
Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 5m (horizontal)
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
- *Data were not available at the time of publication

ACCESSORIES

FXH - LVE		32	63	100
Wired remote control		BRC1C517		
Infrared remote control	Cooling only	BRC7E66		
	Heat pump	BRC7E63W		
Drain pump kit		KDU50B50VE	KDU50B71VE	KDU50B125VE
Replacement long life filter	Resin net	KAFJ501D56	KAFJ501D80	KAFJ501D112
L-type piping kit	For upward direction	KHFJ5F50	KHFJ5F80	KHFJ5F160



FXA-LVE

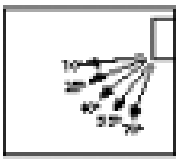


FXYAP40KV19

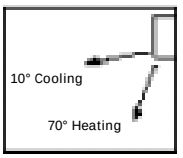
FXA/FXYAP

WALL MOUNTED UNIT

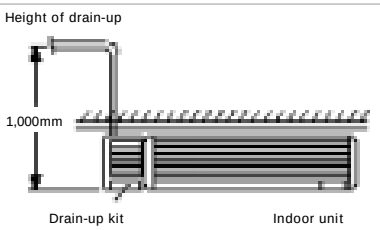
- The LVE series features a new design and more compact casing
- Dramatic weight reduction of 48% compared to the previous series
- Auto-swing mechanism ensures efficient air distribution via louvers that close automatically when the unit is switched off
- Comfortable air flow: the wide air discharge outlet distributes a comfortable air flow throughout the entire room
- Both horizontal flaps and front panel can easily be removed and washed
- 5 different discharge angles can be programmed via the remote control



- Discharge angle automatically returns to its previous position on restart (initial setting 10 degrees for cooling and 70 degrees for heating)



- All maintenance operations can be carried out from the front of the unit
- Drain-up pump with 1,000mm lift available as accessory



BRC1C517

BRC7C511W/510W

Quiet operation with auto-swing comfort



WALL MOUNTED UNIT

				FXA20LVE	FXA25LVE	FXA32LVE	FXYAP40KV19	FXYAP50KV19	FXYAP63KV19
Nominal cooling capacity			kW	2.2	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity			kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input	Cooling		W	16	22	27	36	35	44
	Heating		W	24	27	32	36	35	44
Power supply				1~, 50Hz, 230V					
Dimensions	HxWxD		mm	290x795x230			360x1,050x200	360x1,250x200	
Weight			kg	11			21	24	
Colour				white (10Y9/0.5)					
Sound pressure level	High		dB(A)	35	36	37	41	43	45
	Low		dB(A)	29	29	29	34	38	41
Sound power level			dB(A)	*	*	*	*	*	*
Air flow rate	High		m^3/h	450	480	540	660	780	900
	Low		m^3/h	270	300	330	540	660	720
Air filter				resin net washable					
Temperature control				microprocessor thermostat for cooling and heating					
Piping connections	Liquid	Flare	mm	Ø6.4			Ø6.4	Ø9.5	
	Gas	Flare	mm	Ø12.7			Ø12.7	Ø15.9	
	Drain		mm	VP13 (external diameter 18, internal diameter 14)			VP20 (external diameter 26, internal diameter 20)		
Sound absorbing thermal insulation				foamed polystyrene / foamed polyethylene					
Safety devices				PC board fuse, fan motor thermal protector					

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 5m (horizontal)
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
- *Data were not available at the time of publication

ACCESSORIES

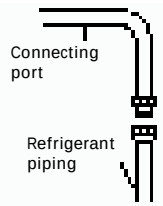
WALL MOUNTED UNIT

		FXA20LVE	FXA25LVE	FXA32LVE	FXYAP40KV19	FXYAP50KV19	FXYAP63KV19
Wired remote control		BRC1C517					
Infrared remote control	Cooling only	BRC7E619			BRC7C511W		
	Heat pump	BRC7E618			BRC7C510W		
Drain pump kit		K-KDU572BVE			KDU57A63VE		

FXL / FXN

(CONCEALED) FLOOR STANDING UNIT

- Ideal for installation beneath a window
- The floor standing unit is a mere 222mm deep and 600mm high and requires very little installation space
- Running the pipes from connections at the back, enables the unit to be wall mounted which in turn allows cleaning beneath the unit where dust tends to accumulate
- On site connection during installation is easier
- Long life filter fitted as standard
- All models are available with remote control
- The connecting port faces downward, eliminating the need to attach auxiliary piping



BRC1C517

BRC4C64/62

BRC2A51

BRC3A61

The ideal unit for perimeter air conditioning

FXL/FXN-LVE				20	25	32	40	50	63
Nominal cooling capacity			kW	2.2	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity			kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input	Cooling		W	49		90		110	
	Heating		W	49		90		110	
Power supply				1~, 50Hz, 230V					
Dimensions	FXL	HxWxD	mm	600x1,000x222		600x1,140x222		600x1,420x222	
	FXN	HxWxD	mm	610x930x220		610x1,070x220		610x1,350x220	
Weight	FXL		kg	25		30		36	
	FXN		kg	19		23		27	
Colour	FXL			ivory white (5Y7.5/1)					
Casing	FXN			galvanised steel plate					
Sound pressure level - 220V	High		dB(A)	35		35	38	39	40
	Low		dB(A)	32		32	33	34	35
Sound power level			dB(A)	*		*	*	*	*
Air flow rate	High		m^3/h	420		480	660	840	960
	Low		m^3/h	360		360	510	660	720
Air filter				resin net with mold resistant					
Temperature control				microprocessor thermostat for cooling and heating					
Piping connections	Liquid	Flare	mm	Ø6.4				Ø9.5	
	Gas	Flare	mm	Ø12.7				Ø15.9	
	Drain		mm	Ø21 external diameter (vinyl chloride)					
Sound absorbing thermal insulation				glass fiber / urethane foam					
Safety devices				PC board fuse, fan motor thermal protector					

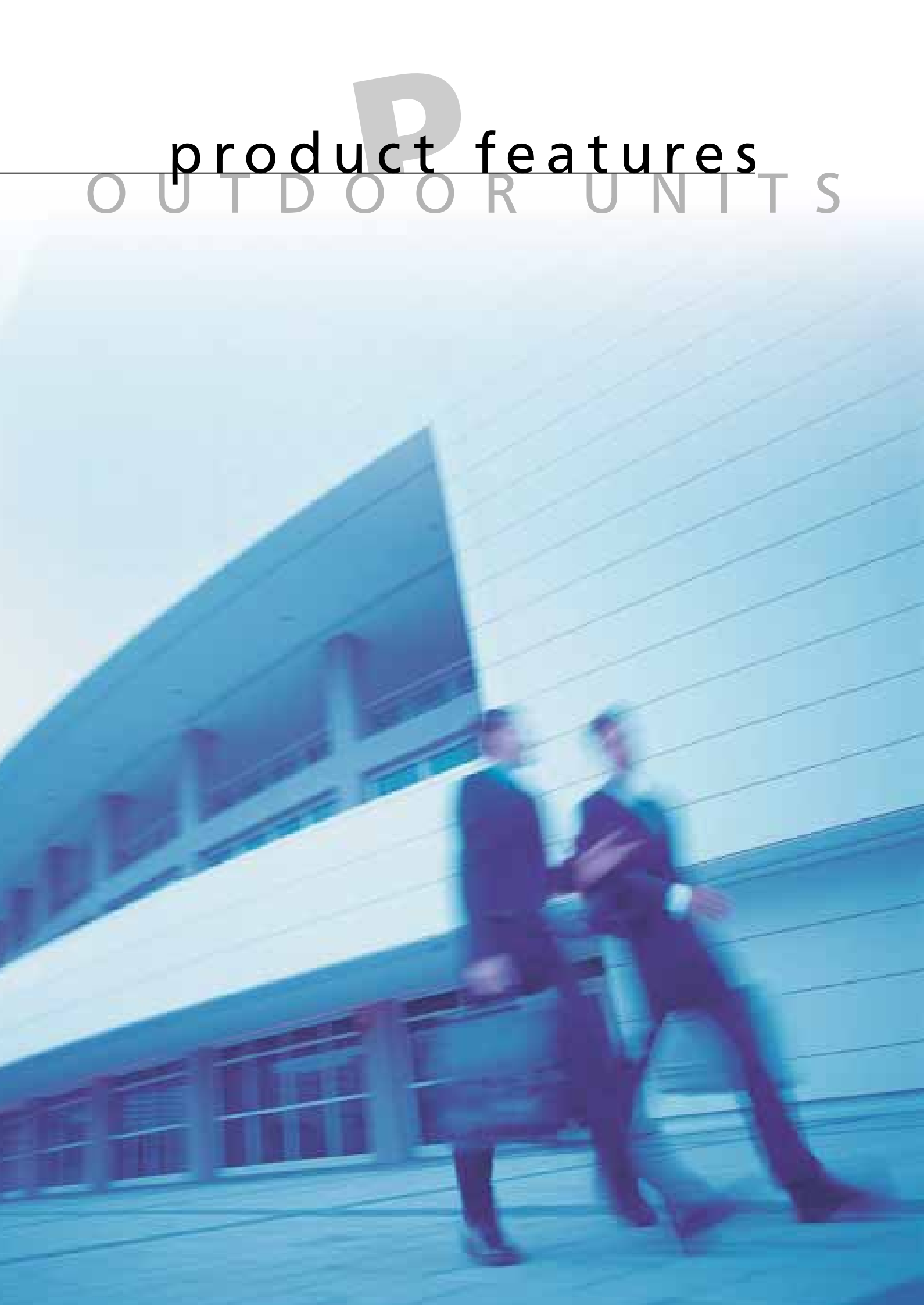
Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 5m (horizontal)
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
- *Data were not available at the time of publication

ACCESSORIES

FXL/FXN-LVE		20	25	32	40	50	63
Wired remote control		BRC1C517, BRC2A51, BRC3A61					
Infrared remote control	Cooling only	BRC4C64					
	Heat pump	BRC4C62					
Replacement long life filter		KAFJ361K28		KAFJ361K45		KAFJ361K71	

product features

OUTDOOR UNITS



Survey VRV™ outdoor units using R-407C


RSXYP8L7W1


RSXYP8K7W1


RSEYP10K7W1


RSEYP18KJY1

VRV™ Inverter cooling only

5-8-10

RSXP-L7 p. 56

VRV™ Inverter heat pump

5-8-10

RSXYP-L7 p. 57

VRV™ Inverter cooling only / heat pump

5-8-10

RSX(Y)P-K7 p. 58

VRV™ Heat recovery

8-10

RSEYP-K7 p. 59

VRV™ PLUS Inverter heat pump

16-18-20-24-26-28-30

RSXYP-KJ p. 60

VRV™ PLUS Heat recovery

16-18-20-24-26-28-30

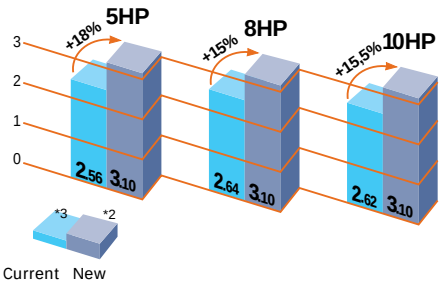
RSEYP-KJ p. 62

All units have standard treatment against corrosion(*). Units with 5mm H_2O external static pressure are available on request.

(*) Note: for extremely corrosive environmental conditions, additional precautions have to be taken.

Average cooling-heating COP*1

Value represents that to be achieved by a single outdoor unit.



Energy Saving

No. 1 COP

- Highest COP in both cooling and heating operation
- High partial load performance

*1.Average cooling-heating COP is obtained by adding the COP of cooling to the COP of heating and then dividing the sum by 2.
*2.COP's figures are reference value
*3.COP – comparison with the current K Series

Environmental Friendly

OZONE FRIENDLY R-407C

- Ozone friendly refrigerant : R-407C
- Dramatic reduction in refrigerant charge compared to the current range :

RSXYP-L7W1	5	8	10
Reduction of	11 %	10.5 %	14 %

- Refrigerant recovery function :
  this service mode enables all expansion valves of the VRV system to be opened. In this way the refrigrerant can be drained from the VRV piping system and stored in a separate recovery tank.

Control Systems

intelligent touch Controller

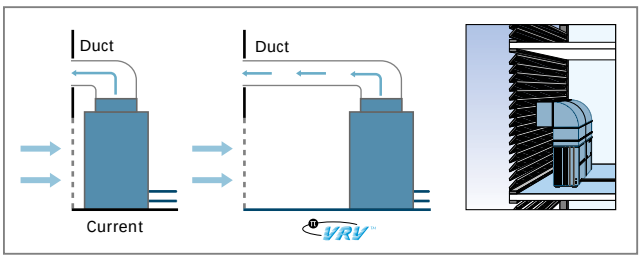
intelligent Manager

LON controller

BACnet Gateway

Flexible Design

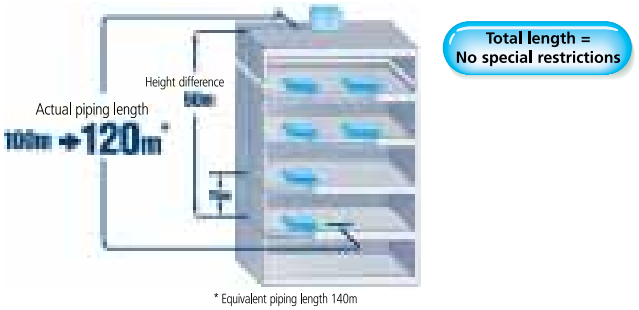
- **Increased installation flexibility**
  Outdoor units can be installed far back from former location.



- **External Static Pressure** (as standard by field setting)

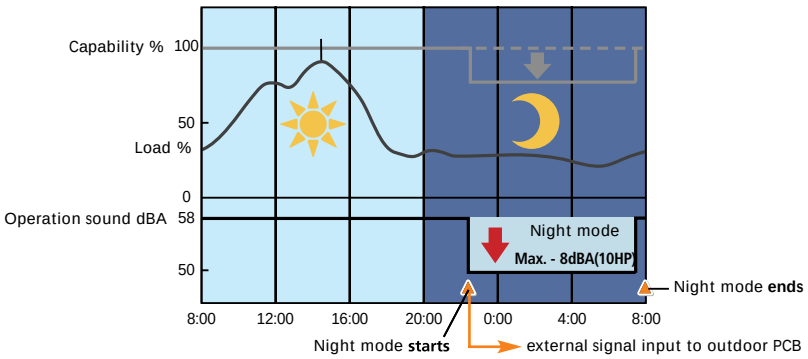
3 mm H_2O → **6 mm** H_2O

- **Maximum actual piping length 120m**



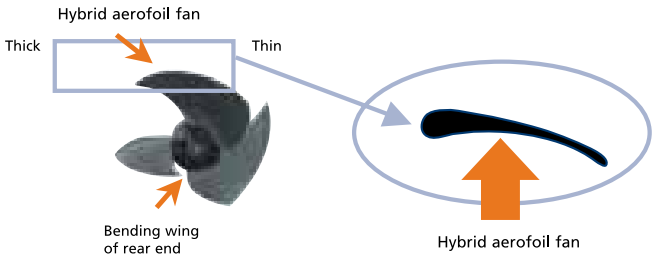
Extremely quiet operation

- **Night quiet function (max. -8dBA)**
  During night time, sound level of the outdoor unit can be reduced for a certain period : starting time and ending time can be input

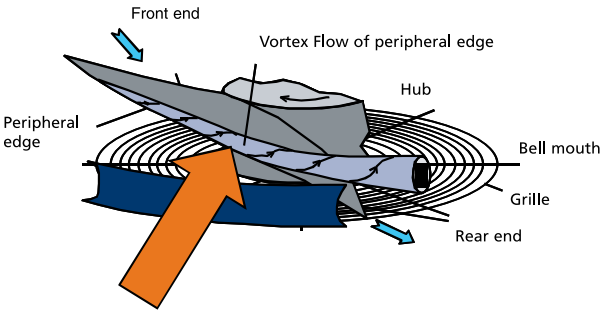


Notes :
- This function is available in setting at site.
- The relationship of outdoor temperature (load) and time shown in the graph is just an example.

- **Hybrid aerofoil fan**
  The newly developed fan ensures low sound level performance at the thick part of the aerofoil and power saving at the thin part of the foil (wide inlet fan)

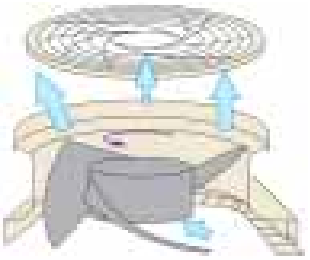


- **High flared bell mouth:** improves low sound level characteristics by applying air flow analyses techniques developed by NASA to create smooth air flow at the edge of foil.



It reduces Vortex Flow of peripheral edge, power input and noise.

- **Super aero grille:** the spiral shaped ribs are aligned with the direction of discharge flow in order to minimise turbulence and reduce noise.



An energy efficiency increase of approximately 20% achieved by the adoption of diverse new technologies :

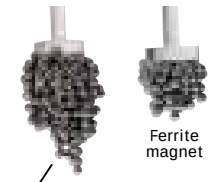
1 Reluctance Brushless DC Compressor

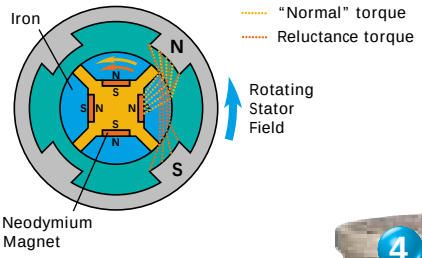
Energy Saving up 11%

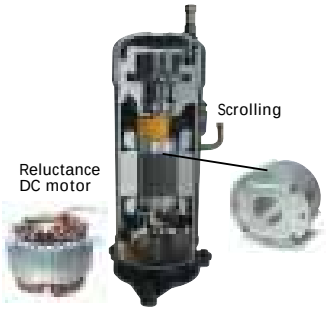
The reluctance brushless DC motor provides significant increases in efficiency compared to conventional AC inverter motors, simultaneously using 2 different forms of torque (normal and reluctance torque) to produce extra power from small electric currents. The motor comprises powerful neodymium magnets, that create the reluctance torque. These magnets ar approximately 10 times stronger than ferrite magnets and make a major contribution to its energy saving characteristics.

Secret to raising energy-efficiency! Powerful magnets

Neodymium magnet is much more powerful than the widely used ferrite magnets



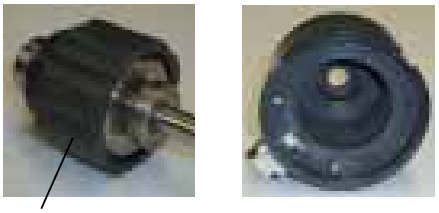




2 Sine Wave DC inverter

Optimizing the sine wave curve, results in smoother motor rotation and improved motor efficiency.

DC fan motor structure

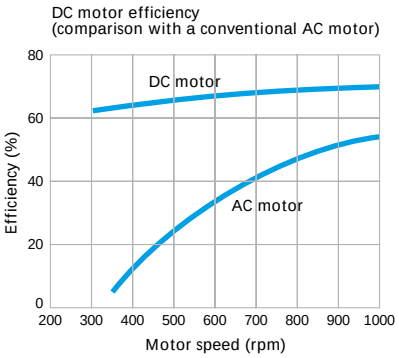


3 DC fan motor

Energy Saving up 2%

FIRST in the industry

The use of a DC fan motor offers substantial improvements in operating efficiency compared to conventional AC motors, especially during low speed rotation.



4 Super aero grill & powerful fan

Energy Saving up 4%

Improved aerodynamic shape of the grille in combination with a newly developed fan results in a 10 % increase in air flow rate.

5 e-Bridge circuit

Energy Saving up 1%

Prevents accumulation of liquid refrigerant in the condenser. This results in more efficient use of the condenser surface under any circumstance and leads in turn to better energy efficiency.

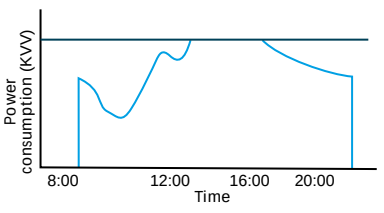
6 e-Pass heat exchanger

Energy Saving up 2%

Optimization of the path layout of the heat exchanger prevents heat transferring from the overheated gas section towards the sub cooled liquid section - a more efficient use of the heat exchanger.

5 i-demand function

The newly introduced current sensor minimizes the difference between the actual power consumption and the predefined power consumption.



High-tech supporting R-407C VRV Plus systems

1 Newly developed inverter unit

Detailed capacity control in accordance with high-efficiency scroll compressor operation.

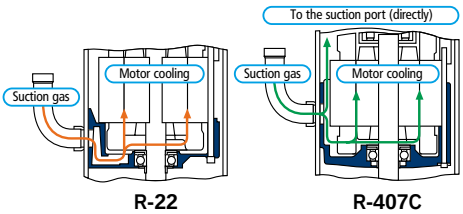
2 Oil-return operation control

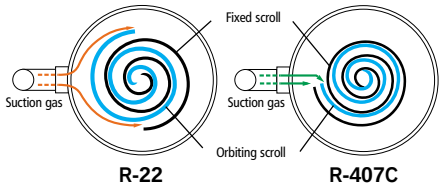
Daikin's original sensor technology for accurate return of lubrication oil to compressors.

3 High-efficiency scroll compressor

Conventional compressors were designed to cool a motor with all incoming refrigerant gas and send it to the compression process. Daikin's new scroll compressor separates incoming refrigerant: a gas which is fed to compressing process through motor in order to cool the motor and a gas which is fed to compressing process directly. This minimizes loss in motor section.

The refrigerant gas inlet to the compression process is located near the suction inlet to minimize loss.





4 Intelligent defrost control

Detection of frosting conditions of a multiple number of heat exchangers to achieve timely activation of defrost operation.

5 Twin / triple compressor control

Optimum capacity control of two or three compressors in accordance with load. (16~20 HP: twin, 24~30 HP: triple)

6 New type oil separation

Ensures high reliability even with extended piping.

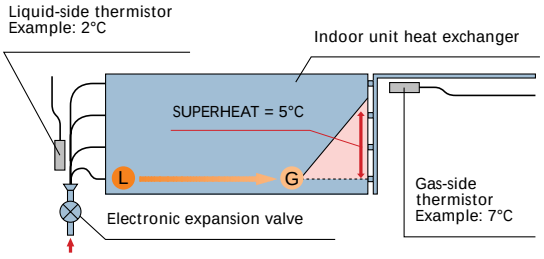
7 Eco-friendly

- Ozon friendly refrigerant : R-407C
- Compared to other similar systems, Daikin R-407C VRV systems need very little refrigerant charge and can therefor be considered as the most ozone friendly units currently available in the market

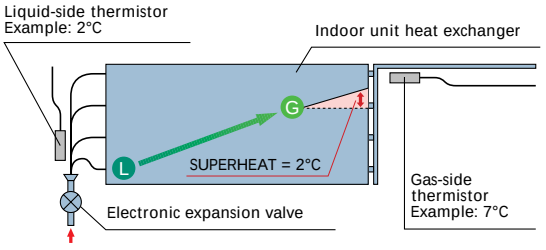
8 Superheat optimization control (Indoor unit)

In an indoor unit, liquid refrigerant is heated by a heat exchanger, and it boils and evaporates, thus changing to a gas state.
The refrigerant temperature is controlled by an electronic expansion valve and thermistor so the temperature difference between the inlet and outlet stays 5°C. R-22, a single-component refrigerant, remains at a constant temperature until it changes completely to a gas; therefore, the gas must be superheated to increase the temperature by 5°C. By contrast, R-407C, a mixture of three different refrigerants, increases in temperature before it becomes a gas, thus requiring the superheating process to bring up the temperature by only 2°C. This means more efficient operation of the heat exchanger.

R-22 REFRIGERANT



R-407C REFRIGERANT



L: liquid refrigerant / G: gas refrigerant

INVERTER
COOLING ONLY
HIGH COP UNIT

No. 1 COP

VRV™

RSXP - L7W1				5	8	10
Nominal cooling capacity			kW	14.0	22.4	28.0
Power input			kW	4.52	7.23	9.03
Power supply				3~, 50Hz,400V		
Dimensions	HxWxD		mm	1,440x635x690	1,220x1,280x690	1,440x1,280x690
Weight			kg	149	227	257
Colour				ivory white		
Sound pressure level			dB(A)	54	58	58
Sound power level			dB(A)	72	78	78
Fan	Type			propeller fan		
	Air flow rate		m^3/h	5,400	10,080	11,400
Refrigerant	Name			R-407C		
	Charge		kg	5.6	8.6	9.6
	Control			electronic expansion valve		
Refrigerant oil	Type			DAPHNE FVC68D		
	Charge		l	1.2	1.6 + 1.5	1.6 + 1.5
Compressor	Type			hermetically sealed scroll compressor		
	Model			JT1FAVDKYR@P	JT1FAVDKTYR@P + JT125FAKTYE@P	JT1FAVDKTYR@P + JT170FAKTYE@P
	Starting method			direct on line		
Piping connections	gas		mm	19.1	25.4 / 28.6	28.6
				flare connection	brazing connection	brazing connection
	liquid	flare	mm	9.5	12.7	12.7
Safety devices				PC board (A2P) fuse, fan motor overcurrent protector, high pressure switch, overcurrent relay (comp)(for size 8 & 10), inverter fin thermal		

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 7.5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 7.5m (horizontal)
- Sound pressure and sound power levels are measured in a semi-anechoic room

ACCESSORIES

RSXP - L7W1	5	8	10
Cool/heat selector	KRC19-26		
Fixing box	KJB111A		
Refnet header	KHRP26K11H7	KHRP26K18HA7	
	KHRP26K18HA7	KHRP26K37H7	
Refnet joint	KHRP26K11T7	KHRP26K18TA7	
	KHRP26K18TA7	KHRP26K37T7	
Wire mounting plate	KKSAJ26A (standard type)		

INVERTER HEAT PUMP HIGH COP UNIT

No. 1 COP

RSXYP - L7W1				5	8	10
Nominal cooling capacity			kW	14.0	22.4	28.0
Nominal heating capacity			kW	16.0	25.0	31.5
Power input	Cooling		kW	4.52	7.23	9.03
	Heating		kW	5.16	7.97	10.16
Power supply				3~, 50Hz, 400V		
Dimensions	HxWxD		mm	1,440x635x690	1,220x1,280x690	1,440x1,280x690
Weight			kg	149	227	257
Colour				ivory white		
Sound pressure level			dB(A)	54	58	58
Sound power level			dB(A)	72	78	78
Fan	Type			propeller fan		
	Air flow rate		m^3/h	5,400	10,080	11,400
Refrigerant	Name			R-407C		
	Charge		kg	5.6	8.6	9.6
	Control			electronic expansion valve		
Refrigerant oil	Type			DAPHNE FVC68D		
	Charge		l	1.2	1.6 + 1.5	1.6 + 1.5
Compressor	Type			hermetically sealed scroll compressor		
	Model			JT1FAVDKYR@P	JT1FAVDKTYR@P + JT125FAKTYE@P	JT1FAVDKTYR@P + JT170FAKTYE@P
	Starting method			direct on line		
Piping connections	gas		mm	19.1	25.4/28.6	28.6
				flare connection	brazing connection	brazing connection
	liquid	flare	mm	9.5	12.7	12.7
Safety devices				PC board (A2P) fuse, fan motor overcurrent protector, high pressure switch, overcurrent relay (comp) (for size 8 &10), inverter fin thermal		

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB; outdoor temperature: 35°CDB; equivalent refrigerant piping: 7.5m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB; outdoor temperature: 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m (horizontal)
- Sound pressure and sound power levels are measured in a semi-anechoic room

ACCESSORIES

RSXYP - L7W1	5	8	10
Cool/heat selector	KRC29-26		
Fixing box	KJB111A		
Refnet header	KHRP26K11H7	KHRP26K18HA7	
	KHRP26K18HA7	KHRP26K37H7	
Refnet joint	KHRP26K11T7	KHRP26K18TA7	
	KHRP26K18TA7	KHRP26K37T7	
Wire mounting plate	KKSAJ26A (standard type)		

INVERTER COOLING ONLY / HEAT PUMP

VRV™

RSX(Y)P - K7W1				COOLING ONLY			HEAT PUMP		
				5	8	10	5	8	10
Nominal cooling capacity			kW	14.0	22.4	28.0	14.0	22.4	28.0
Nominal heating capacity			kW	-	-	-	16.0	25.0	31.5
Power input	Cooling		kW	6.10	9.43	11.8	6.10	9.43	11.8
	Heating		kW	-	-	-	5.67	8.66	11.0
Power supply				3~, 50Hz,400V					
Dimensions	HxWxD		mm	1,440x635x690	1,220x1,280x690	1,440x1,280x690	1,440x635x690	1,220x1,280x690	1,440x1,280x690
Weight			kg	137	227	248	137	227	248
Colour				ivory white (5Y7.5/1)					
Sound pressure level			dB(A)	54	57	58	54	57	58
Sound power level			dB(A)	*	*	*	*	*	*
Fan	Type			propeller fan					
	Air flow rate		m^3/h	4,800	9,000	10,200	4,800	9,000	10,200
Refrigerant	Name			R-407C					
	Charge		kg	6.3	9.6	11.2	6.3	9.6	11.2
	Control			electronic expansion valve					
Refrigerant oil	Type	synthetic		DAPHNE FVC68D					
	Charge	l		1.2	1.5 + 1.4	1.5 + 1.7	1.2	1.5 + 1.4	1.5 + 1.7
Compressor	Type			hermetically sealed scroll compressor					
	Model			JT100BEVYE	JT100BEVTYE+JT100BETYE	JT100BEVTYE+JT160BETYE	JT100BEVYE	JT100BEVTYE+JT100BETYE	JT100BEVTYE+JT160BETYE
	Starting method			direct on line					
Piping connections	Liquid	flare	mm	9.5	12.7	12.7	9.5	12.7	12.7
	Gas		mm	19.1 (flare)	28.6 (brazing)	28.6 (brazing)	19.1 (flare)	28.6 (brazing)	28.6 (brazing)
Safety devices				PC board fuse, fan motor thermal protector, high pressure switch, fusible plug, overcurrent relay (for RSX(Y)P8,10K7W1), inverter fin thermal					

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 8m (horizontal)
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 8m (horizontal)
- *Data were not available at the time of publication.

ACCESSORIES

RSX(Y)P - K7W1	16	18	20
Cool/heat selector	KRC19-26		
Fixing box	KJB111A		
Fan motor size up (high E.S.P. modification (5mmH_2O))	NFM22C5	NFM22C10	NFM22C5
Refnet header	KHRP26K11H7	KHRP26K18HA7	
	KHRP26K18HA7	KHRP26K37H7	
Refnet joint	KHRP26K11T7	KHRP26K18TA7	
	KHRP26K18TA7	KHRP26K37T7	
Wire mounting plate	KKSAJ26A (standard type)		

VRV™

HEAT RECOVERY

RSEYP

RSEYP - K7W1				8	10
Nominal cooling capacity			kW	22.4	28.0
Nominal heating capacity			kW	25.0	31.5
Power input	Cooling		kW	9.43	11.8
	Heating		kW	8.66	11.0
Power supply				3~, 50Hz, 400V	
Dimensions	HxWxD		mm	1,220x1,280x690	1,440x1,280x690
Weight			kg	247	273
Colour				ivory white (5Y7.5/1)	
Sound pressure level - 380V			dB(A)	57	58
Sound power level			dB(A)	77	79
Fan	Type			propeller fan	
	Air flow rate		m^3/h	9,000	10,200
Refrigerant	Name			R-407C	
	Charge		kg	13.1	15.3
	Control			electronic expansion valve	
Refrigerant oil	Type	synthetic		DAPHNE FVC68D	
	Charge	l		1.5+1.4	1.5+1.7
Compressor	Type			hermetically sealed scroll compressor	
	Model			JT100BEVTYE+JT100BETYE	JT100BEVTYE+JT160BETYE
	Starting method			direct on line	
Piping connections	Liquid	flare	mm	12.7	
	Gas	brazing	mm	28.6	
	Discharge gas	flare	mm	19.1	
Safety devices				PC board fuse, fan motor thermal protector, high pressure switch, overcurrent relay, inverter fin thermal	

Notes: • Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
outdoor temperature: 35°CDB
equivalent refrigerant piping: 5m
level difference: Om
• Nominal heating capacities are based on: indoor temperature: 20°CDB
outdoor temperature: 7°CDB, 6°CWB
equivalent refrigerant piping: 5m
level difference: Om

ACCESSORIES

RSEYP - K7W1	8	10
Fan motor size up (high E.S.P. modification (5mmH_2O))	NFM22C10	NFM22C5
Refnet header	KHRP26K18H / KHRP25K18H / KHRP25K37H	
Refnet joint	KHRP26K18T / KHRP25K18T / KHRP25K20T	
Wire mounting plate	KKSAJ26A (standard type)	

BS UNIT

BSVP - KJV1(9)				100	160	250
Power supply				1~, 50Hz, 230V		
Power input	Cooling		kW	24	26	26
	Heating		kW	26	26	26
Casing				galvanised steel plate		
Dimensions	HxWxD		mm	185 x 310 x 280		185 x 590 x 435
Sound absorbing thermal insulation				flame and heat resistant foamed polyethylene		
Piping connections (Flare connection)	Indoor unit	Liquid	mm	9.5	9.5	12.7
		Gas	mm	15.9	19.1	25.4
	Outdoor unit	Liquid	mm	9.5	9.5	12.7
		Suction gas	mm	15.9	19.1	25.4
		Discharge gas	mm	12.7	15.9	19.1
Weight			kg	9	11	21
Safety devices				PC board fuse		

VRV™ PLUS

INVERTER

HEAT PUMP

MODEL NAME				RSXYP16KJY1		RSXYP18KJY1		RSXYP20KJY1	
MAIN UNIT - SUB UNIT				RXYP8KJY19	RXEP8K7W1	RXYP10KJY19	RXEP8K7W1	RXYP10KJY19	RXEP10K7W1
Nominal cooling capacity			kW	43.8		49.3		54.7	
Nominal heating capacity			kW	43.8		49.3		54.7	
Power input	Cooling		kW	15.7		18.1		20.2	
	Heating		kW	14.2		15.5		16.9	
Power supply				3~, 50Hz, 400V					
Dimensions	HxWxD		mm	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690	1,440x1,280x690
Weight			kg	360	95	365	95	365	105
Colour				ivory white (5Y7.5/1)					
Sound pressure level - 380V			dB(A)	60		60		60	
Sound power level			dB(A)	*		*		*	
Fan	Type			propeller fan					
	Air flow rate		m^3/h	19,200		19,200		20,400	
Refrigerant	Name			R-407C					
	Charge		kg	15.5		16.6		16.6	
	Control			electronic expansion valve					
Refrigerant oil	Type			DAPHNE FVC68D					
	Charge		l	4.0+4.0					
Compressor	Type			hermetically sealed scroll compressor					
	Model			JT236DAVTYE@P2 + JT212DATYE@P2		JT236DAVTYE@P2 + JT265DATYE@P2			
	Starting method			direct on line					
Piping connections	Outdoor unit	Liquid	mm	Ø15.9 flare connection		Ø19.1 flare connection			
		Gas	mm	Ø34.9 brazing connection					
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing connection					
		Gas	mm	Ø28.6 brazing ~ brazing connection					
Safety devices				high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs					

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 5m
  level difference: 0m
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 5m
  level difference: 0m
- *Data were not available at the time of publication

ACCESSORIES

RSXYP - KJY1	16	18	20
Cool/heat selector	KRC19-26		
Fixing box	KJB111A		
Refnet header	KHRP26K11H(max. 4 branches), KHRP26K18H (max. 8 branches)		
	KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)		
Refnet joint	KHRP26K11T, KHRP26K18T, KHRP26K37T, KHRP26K40T, KHRP26K75T		
Pipe size reducer	KHRP26K40TP, KHRP26K40HP, KHRP26K75TP		
Fixing wiring plate	KKSAJ26A		
Fan motor size up	NFM22C10 (for main unit), NFM22E10 (for sub unit)		

MODEL NAME / MAIN UNIT - SUB UNIT				RSXYP24KJY1		RSXYP26KJY1		RSXYP28KJY1		RSXYP30KJY1	
				RXYP16KJY19	RXEP8K7W1	RXYP16KJY19	RXEP10K7W1	RXYP20KJY19	RXEP8K7W1	RXYP20KJY19	RXEP10K7W1
Nominal cooling capacity			kW	65.7		71.2		76.6		82.1	
Nominal heating capacity			kW	65.7		71.2		76.6		82.1	
Power input	Cooling		kW	25.0		26.9		28.7		31.2	
	Heating		kW	21.4		21.9		23.9		27.1	
Power supply				3~, 50Hz, 400V							
Dimensions	HxWxD		mm	1,450x2,580x690	1,220x1,280x690	1,450x2,580x690	1,440x1,280x690	1,450x2,580x690	1,220x1,280x690	1,450x2,580x690	1,440x1,280x690
Weight			kg	620	95	620	105	630	95	630	105
Colour				ivory white (5Y7.5/1)							
Sound pressure level 380V			dB(A)	62		62		62		62	
Sound power level			dB(A)	*		*		*		*	
Fan	Type			propeller fan							
	Air flow rate		m^3/h	29,400		30,600		29,400		30,600	
Refrigerant	Name			R-407C							
	Charge		kg	23.3		23.3		25.3		25.3	
	Control			electronic expansion valve							
Refrigerant oil	Type			DAPHNE FVC68D							
	Charge		l	4.0+4.0+4.0							
Compressor	Type			hermetically sealed scroll compressor							
	Model			JT236DAVTYE@P2+JT236DATYE@P2 X 2		JT236DAVTYE@P2+JT236DATYE@P2 X 2		JT236DAVTYE@P2+JT300DATYE@P2 X 2			
	Starting method			direct on line							
Piping connections	Outdoor unit	Liquid	mm	Ø19.1 flare connection		Ø22.2 brazing connection					
		Gas	mm	Ø41.3 brazing connection		Ø41.3 brazing connection					
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing conn.		Ø12.7 flare ~ brazing connection					
		Gas	mm	Ø28.6 brazing ~ brazing con.		Ø28.6 brazing ~ brazing connection					
Safety devices				high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs							

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 5m
  level difference: Om
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 5m
  level difference: Om
- *Data were not available at the time of publication

ACCESSORIES

RSXYP - KJY1	24	26	28	30
Cool/heat selector	KRC19-26			
Fixing box	KJB111A			
Refnet header	KHRP26K11H(max. 4 branches), KHRP26K18H (max. 8 branches)			
	KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)			
Refnet joint	KHRP26K11T, KHRP26K18T, KHRP26K37T, KHRP26K40T, KHRP26K75T			
Pipe size reducer	KHRP26K40TP, KHRP26K40HP, KHRP26K75TP			
Fixing wiring plate	KKSAJ26A			
Fan motor size up	NFM22E20 (for main unit), NFM22E10 (for sub unit)			

VRV™ PLUS

HEAT RECOVERY

MODEL NAME				RSEYP16KJY1		RSEYP18KJY1		RSEYP20KJY1	
MAIN UNIT - SUB UNIT				REYP8KJY1	RXEP8K7W1	REYP10KJY1	RXEP8K7W1	REYP10KJY1	RXEP10K7W1
Nominal cooling capacity			kW	43.8		49.3		54.7	
Nominal heating capacity			kW	43.8		49.3		54.7	
Power input	Cooling		kW	15.7		18.7		21.8	
	Heating		kW	14.2		15.5		16.9	
Power supply				3~, 50Hz, 400V					
Dimensions	HxWxD		mm	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690	1,440x1,280x690
Weight			kg	375	95	375	95	375	105
Colour				ivory white (5Y7.5/1)					
Sound pressure level - 380V			dB(A)	60		60		60	
Sound power level			dB(A)	*		*		*	
Fan	Type			propeller fan					
	Air flow rate		m^3/h	19,200		19,200		20,400	
Refrigerant	Name			R-407C					
	Charge		kg	19.8					
	Control			electronic expansion valve					
Refrigerant oil	Type			DAPHNE FVC68D					
	Charge		l	4.0+4.0					
Compressor	Type			hermetically sealed scroll compressor					
	Starting method			direct on line					
Piping connections	Outdoor unit	Liquid	mm	Ø15.9 brazing connection		Ø19.1 flare connection			
		Gas	mm	Ø34.9 brazing connection					
		Disch.gas	mm	Ø28.6 brazing connection					
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing connection					
		Gas	mm	Ø28.6 brazing ~ brazing connection					
Safety devices				high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs					

Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
  outdoor temperature: 35°CDB
  equivalent refrigerant piping: 7.5m
  level difference: Om
- Nominal heating capacities are based on: indoor temperature: 20°CDB
  outdoor temperature: 7°CDB, 6°CWB
  equivalent refrigerant piping: 7.5m
  level difference: Om
- *Data were not available at the time of publication

ACCESSORIES

RSEYP - KJY1		16	18	20
Refnet header	2 Pipes	KHRP26K18H (max. 8 branches), KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)		
	3 Pipes	KHRP25K18H (max. 6 branches), KHRP25K37H (max. 8 branches), KHRP25K40H (max. 8 branches)		
Refnet joint	2 Pipes	KHRP26K18T, KHRP26K37T, KHRP26K40T		
	3 Pipes	KHRP25K18T, KHRP25K20T, KHRP25K40T, KHRP25K75T		
Pipe size reducer		KHRP26K40TP, KHRP26K40HP, KHRP26K75TP, KHRP25K75TP		
Fixing wiring plate		KKSAJ26A		
Fan motor size up		NFM22C10 (for main unit), NFM22E10 (for sub unit)		

MODEL NAME				RSEYP24KJY1		RSEYP26KJY1		RSEYP28KJY1		RSEYP30KJY1	
MAIN UNIT - SUB UNIT				REYP16KJY1	RXEP8K7W1	REYP16KJY1	RXEP10K7W1	REYP20KJY1	RXEP8K7W1	REYP20KJY1	RXEP10K7W1
Nominal cooling capacity			kW	65.7		71.2		76.6		82.1	
Nominal heating capacity			kW	65.7		71.2		76.6		82.1	
Power input	Cooling		kW	25.0		26.9		28.7		31.2	
	Heating		kW	21.4		21.9		23.9		27.1	
Power supply				3 ~, 50 Hz, 400V							
Dimensions	HxWxD		mm	1,460x2,580x690	1,220x1,280x690	1,460x2,580x690	1,440x1,280x690	1,460x2,580x690	1,220x1,280x690	1,460x2,580x690	1,440x1,280x690
Weight			kg	640	95	640	105	640	95	640	105
Colour				ivory white (5Y7.5/1)							
Sound pressure level - 380V			dB(A)	62		62		62		62	
Sound power level			dB(A)	*		*		*		*	
Fan	Type			propeller fan							
	Air flow rate		m^3/h	29,400		30,600		29,400		30,600	
Refrigerant	Name			R-407C							
	Charge		kg	29.5							
	Control			electronic expansion valve							
Refrigerant oil	Type			DAPHNE FVC68D							
	Charge		l	4.0 + 4.0 + 4.0							
Compressor	Type			hermetically sealed scroll compressor							
	Starting method			direct on line							
Piping connections	Outdoor unit	Liquid	mm	Ø 19.1 flare connection		Ø 22.2 brazing connection		Ø 22.2 brazing connection			
		Gas	mm	Ø 41.3 brazing connection							
		Disch. gas	mm	Ø 28.6 brazing connection				Ø 34.9 brazing connection			
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing connection							
		Gas	mm	Ø28.6 brazing ~ brazing connection							
Safety devices				high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs				high pressure switch, compressor safety thermostat, overcurrent relay fan motor safety thermostat, inverter overload protector, fusible plugs			

Notes: • Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB
outdoor temperature: 35°CDB
equivalent refrigerant piping length: 7. 5m
level difference: Om

• Nominal heating capacities are based on: indoor temperature: 20°CDB
outdoor temperature: 7°CDB, 6°CWB
equivalent refrigerant piping length: 7.5m
level difference: Om

• *Data were not available at the time of publication

ACCESSORIES

RSEYP - KJY1		16	18	20
Refnet header	2 Pipes	KHRP26K18H (max. 8 branches), KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)		
	3 Pipes	KHRP25K18H (max. 6 branches), KHRP25K37H (max. 8 branches), KHRP25K40H (max. 8 branches)		
Refnet joint	2 Pipes	KHRP26K18T, KHRP26K37T, KHRP26K40T		
	3 Pipes	KHRP25K18T, KHRP25K20T, KHR25A64T, KHRP25K40T, KHRP25K75T		
Pipe size reducer		KHRP26K40TP, KHRP26K40HP, KHRP26K75TP, KHRP25K75TP		
Fixing wiring plate		KKSAJ26A		
Fan motor size up		NFM22E20 (for main unit), NFM22E10 (for sub unit)		

product features

CONTROL SYSTEMS

Survey control systems

Individual control systems

Simplified remote control

BRC2A51 p. 66

Simplified built-in remote control for hotel applications

BRC3A61 p. 66

Wired remote control

BRC1C517 p. 66

Infrared remote control

BRC4C*/BRC7C* p. 66

Centralised remote control

Centralised control systems

DCS302B51 p. 67

Unified ON / OFF control

DCS301B51 p. 67

Schedule timer

DST301B51 p. 67

Daikin network solution

intelligent touch Controller

DCS601A51 p. 69

intelligent Manager

DAM602A51/52/53 p. 70

LON Controller

DCS601A51R p. 71

BACnet Gateway

DMS502A51 p. 71

Individual control systems

Simplified remote control - BRC2A51
- simple, compact and easy to operate unit
- suitable for use in hotel bedrooms.

Operation buttons :
- ON/OFF
- Operating mode selection
- Fan speed control
- Temperature setting

Display :
- Cool/heat changeover control
- Heat Recovery Ventilation (HRV) in operation
- Set temperature
- Operating mode
- Centralised control indication
- Fan speed
- Defrost/hot start
- Malfunction adjustment
- Operating mode selection
- Fan speed control
- Filter sign reset
- Inspection test / operation

Simplified built-in remote control for hotel applications - BRC3A61
- compact,user friendly unit
- ideal for use in hotel bedrooms.

Operation buttons :
- ON/OFF
- Fan speed control
- Temperature setting

Display :
- Heat Recovery Ventilation (HRV) in operation
- Set temperature
- Operating mode
- Centralised control indication
- Fan speed
- Defrost/hot start
- Malfunction

Wired remote control - BRC1C517
- user friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- constantly monitoring of the system for malfunctions in a total of 80 components
- immediate display of fault location and condition
- reduction of maintenance time and costs.

Operation buttons:
- ON/OFF
- Timer mode start/stop
- Timer on/off
- Programmed time
- Temperature setting
- Air flow direction adjustment
- Operating mode selection
- Fan speed control
- Filter sign reset
- Inspection test/operation

Display:
- Operating mode
- Heat Recovery Ventilation (HRV) in operation
- Cool/heat changeover control
- Centralised control indication
- Group control indication
- Set temperature
- Air flow direction
- Programmed time
- Inspection/test operation
- Fan speed
- Clean air filter
- Defrost/hot start
- Malfunction

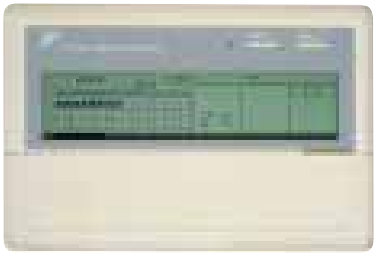
Infrared remote control - BRC4C*/BRC7C*

Operation buttons:
- ON/OFF
- Timer mode start / stop
- Timer mode on/off
- Programme time
- Temperature setting
- Air flow direction (FXYHP, FXYFP, FXYCP and FXYAP models only)
- Operating mode
- Fan speed control
- Filter sign reset
- Inspection / test indication

Display:
- Operating mode
- Battery change
- Set temperature
- Air flow direction (FXYHP, FXYFP, FXYCP and FXYAP models only)
- Programmed time
- Inspection/test operation
- Fan speed

Centralised control systems

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



Centralised remote control - DCS302B51
Providing individual control of 64 groups (zones) of indoor units.
- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)

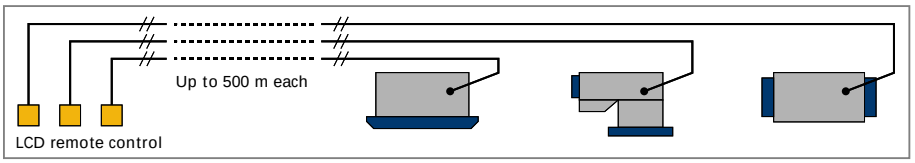
Unified ON/OFF control - DCS301B51
Providing simultaneous and individual control of 16 groups of indoor units
- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)

Schedule timer - DST301B51
Enabling 64 groups to be programmed
- a maximum of 128 indoor units can be controlled
- 8 types of weekly schedule
- a maximum of 48 hours back up power supply
- a maximum wiring length of 1,000m (total: 2,000m)

Wide variety of control systems

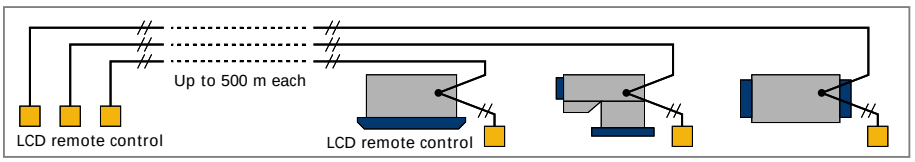
Each indoor unit can be controlled independently from distances up to 500m, enabling remote control of the air conditioning system.

Using a remote control



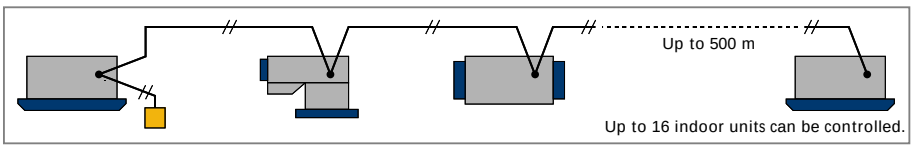
The use of 2 remote controls enables each indoor unit to be controlled from 2 different locations, although on/off control can still be effected at a single location.

Using 2 remote controls in different locations



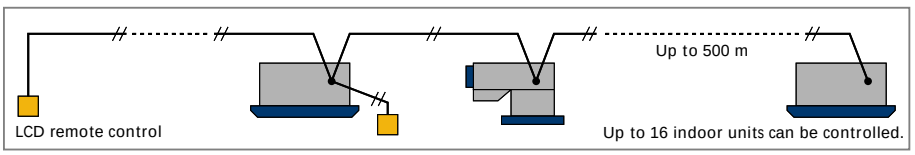
The ability to control up to 16 indoor units via a single remote control makes group control particularly efficient on systems where several units are installed in a large open area.

Group control with a single remote control



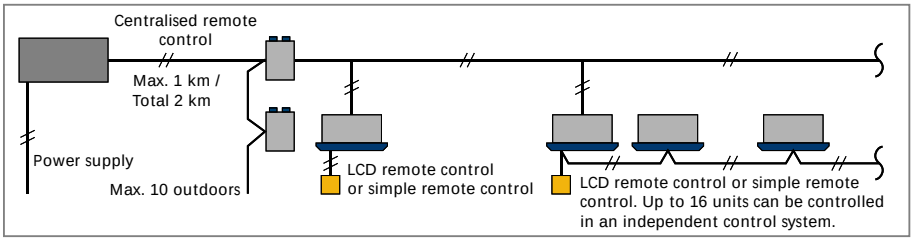
Group control can also be achieved by using 2 remote controls in separate locations.

Group control with two remote controls



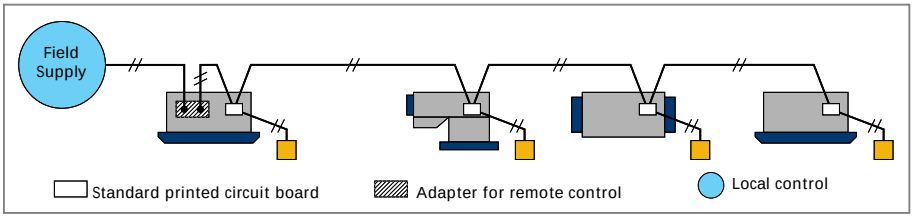
Up to 64 groups of indoor units can be controlled via a centralised remote control (128 groups if 2 zone controls are used).
Max. 128 indoor units can be wired to a single or two zone controls.

Using a centralised remote control



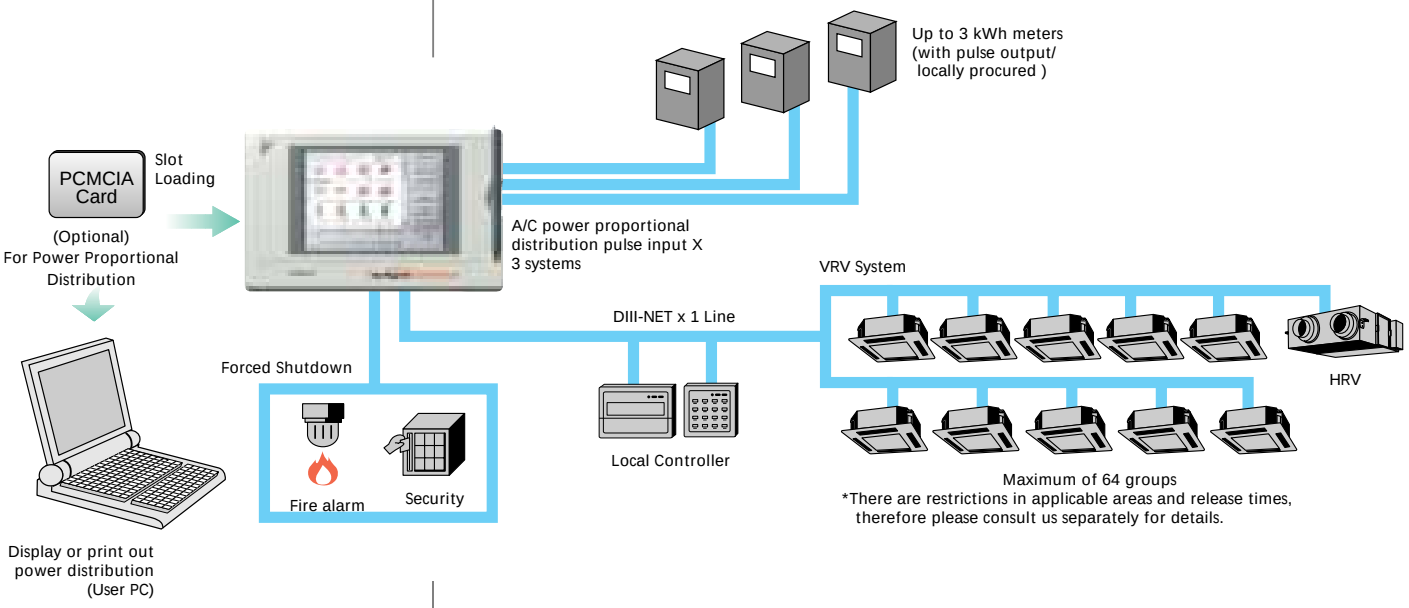
The installation of an optional adapter enables indoor units to be controlled locally.

Using a local control



intelligent touch Controller

Allows detailed & easy monitoring and operation of VRV systems (max. 64 control groups).



Powerful functions

- Yearly schedule
- Proportional power consumption division
- Fire emergency stop control

Simple operation

- Touch screen
- Colour LCD
- Icon display

Cost performance

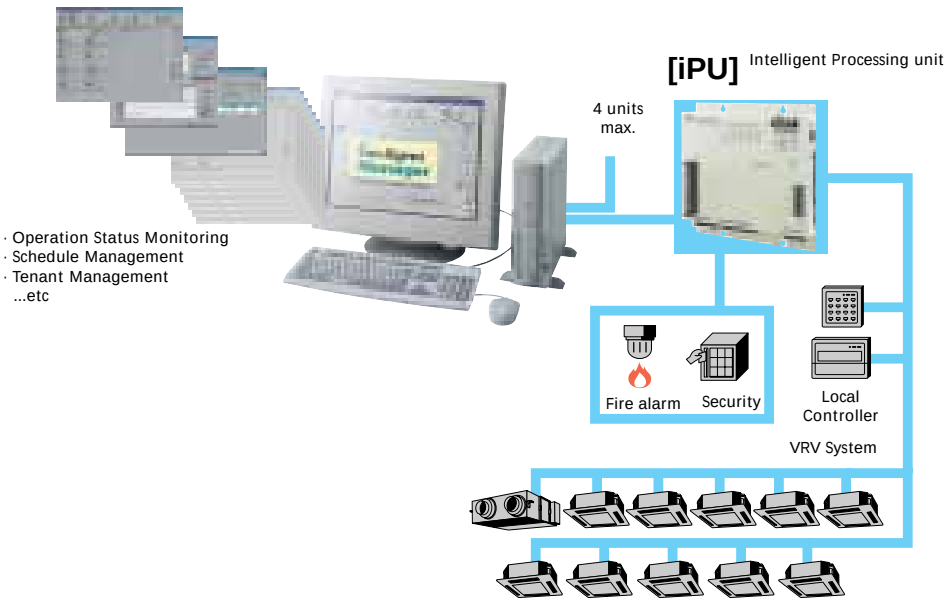
- Labor saving
- Easy installation
- Overall energy saving

The ideal solution for control and management of maximum 1,024 VRV indoor units.

Intelligent Manager

System layout

- Up to **1,024 indoor units** can be controlled (by 4 iPUs)
- Ethernet TCPIP / 10 base/ T communication
- Integrated digital contacts on the Intelligent Processing Unit (iPU)
  · 19 general input ports
  · 2 digital outputs
- Stand alone operation of the iPU for minimum 48 hours
- Compatible with UPS shutdown software



Management

- Proportional power consumption division
- Operational history management (start/stop, malfunction, operation hours)
- Generation of reports (graphics & tables) (daily, weekly, monthly)
- Peak load shedding
- Advanced tenant management
- Sliding temperature
- Eco mode

Control

- Individual control (setpoint, start/stop, fan speed) (max. 1,024 indoor units)
- Group control (100 groups)
- Schedule control (128 programs)
- Fire emergency stop control (32 programs)
- Interlocking control
- Setpoint limitation
- Automatic cool-heat change-over
- Power failure/release control
- Temperature limit (automatic start)
- Timer extension

Monitoring

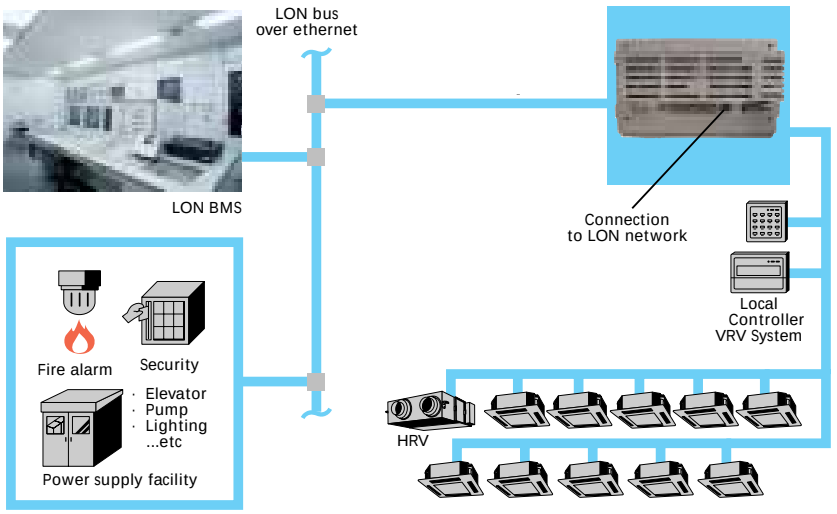
- Visualisation via a Graphical User Interface (GUI) featuring free layout
- Operation mode of indoor & outdoor units
- Fault indication
- Indication filter replacement
- Setpoint indication
- Operation time monitoring
- Multi PC
- On-line help

LON controller

NEW

Gateway between VRV system and LON BMS.

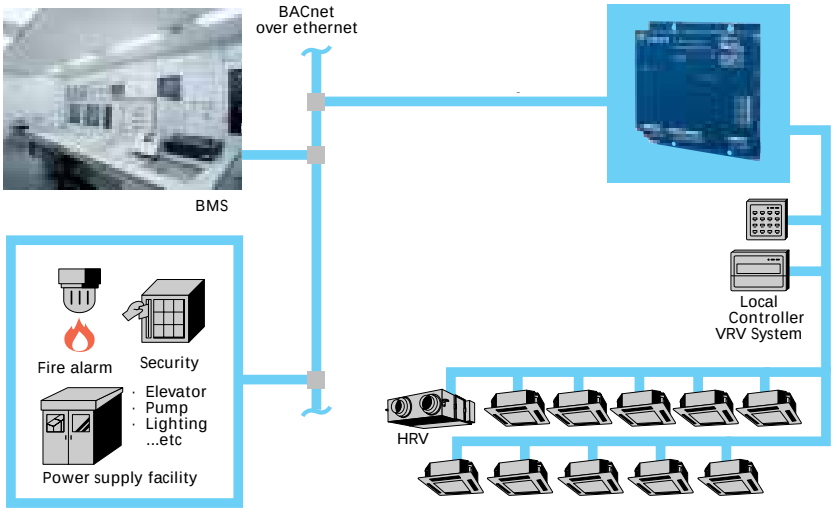
- Interface for LON BMS system
- Communication via LON protocol (twisted pair wire)
- 64 units connectable per LON controller
- Unlimited site-size
- Easy and fast installation



BACnet Gateway

Integrated control system connecting VRV system with BMS system.

- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet or RS232C)
- 256 units connectable per BACnet gateway
- Unlimited site-size
- Easy and fast installation



ACCESSORIES

CONTROL

SYSTEMS

1. INDIVIDUAL CONTROL SYSTEMS

DESCRIPTION		REFERENCE	FXYCP	FXYFP	FXK	FXYSP	FXYBP	FXM	FUYP	FXH	FXA	FXYAP	FXL/FXN
Simplified remote control		BRC2A51											
Simplified built-in remote control for hotel applications		BRC3A61											
Wired remote control		BRC1C517											
Infrared remote control	heat pump	BRC4C ⋆			⋆61	⋆62	⋆62	⋆62					⋆62
	cooling only	BRC4C ⋆			⋆63	⋆64	⋆64	⋆64					⋆64
	heat pump	BRC7⋆	⋆C62	⋆C512W					⋆C528W	⋆E63W	E618	⋆C510W	
	cooling only	BRC7⋆	⋆C67	⋆C513W					⋆C529W	⋆E66	E619	⋆C511W	

2. CENTRALISED CONTROL SYSTEMS FOR ALL INDOOR UNITS

DESCRIPTION	REFERENCE
Centralised remote control	DCS302B51
Unified on/off control	DCS301B51
Schedule timer	DST301B51
Unification adapter for compterised control (for combination of A/C control computer and central control)	DCS302A52*
Interface adapter for Sky Air series (for connection of Sky Air-F series with optional control for centralised control)	DTA102A52*
Wiring adapter for other A/C equipment (for connection of other A/C equipment than VRV/Sky Air-F with optional control for centralised control	DTA103A51*

Note:
* Installation box for adapters must be provided on site

3. ADDITIONAL ACCESSORIES

DESCRIPTION	REFERENCE	FXYCP	FXYFP	FXK	FXYSP	FXYBP	FXM	FUYP	FXH	FXA	FXYAP	FXL/FXN
Wiring adapter (PCB when equipped with auxiliary electric heater in the indoor unit)	KRP1B⋆	⋆61(*1)	⋆2(*1)	⋆61	⋆61	⋆61	⋆61		⋆61		⋆3	⋆61
Wiring adapter for electrical appendices	KRP2A⋆	⋆51(*1)	⋆52(*1)	⋆51	⋆51	⋆51	⋆51		⋆52(*1)	⋆51	⋆51	⋆51
	KRP4A⋆	⋆51(*1)	⋆53(*1)	⋆51	⋆51	⋆51	⋆51	⋆53(*1)	⋆52(*1)	⋆51	⋆51	⋆51
Remote sensor	KRCS01-1											
Installation box for adapter PCB	KRP1⋆	⋆B96(*2/3)	⋆C98					⋆B97	⋆B93(*3)	KRP4A93		
Electrical box with earth terminal (3 blocks)	KJB311A											
Electrical box with earth terminal (2 blocks)	KJB212A											
Noise filter (for electromagnetic interface only)	KEK26-1											
Mix matching adapter for "K" indoor unit	DTA106A⋆	⋆61(*1)		⋆61	⋆61	⋆61	⋆62		⋆62(*1)		⋆61	⋆61
External control adapter for outdoor unit (must be installed on indoor unit)	DTA104A⋆	⋆51(*1)	⋆52(*1)	⋆61	⋆51	⋆51	⋆61		⋆52(*1)	⋆51	⋆61	⋆61

Notes:
*1. Installation box for adapter PCB is necessary
*2. Up to 2 adapters can be fixed per installation box
*3. Only 1 installation box can be installed per indoor unit
*4. Up to 2 installation boxes can be installed per indoor unit

4. intelligent touch Controller

DESCRIPTION	REFERENCE	COMMENTS
Intelligent Touch Controller	DCS601A51	Up to 64 units can be connected
Intelligent Touch Controller software	DCS002A51	Proportional power consumption division software
Installation box for Intelligent Touch Controller	KJB411A	For wall mounted installation

5. intelligent Manager

DESCRIPTION	REFERENCE	COMMENTS
Intelligent Processing unit	DAM602A51	256 indoor units per IPU
Intelligent Processing unit	DAM602A52	128 indoor units per IPU
Intelligent Processing unit	DAM602A53	192 indoor units per IPU
Intelligent Manager software	IM2.XX	up to 1,024 indoor units

6. LON controller

DESCRIPTION	REFERENCE	COMMENTS
LON controller	DCS601A51R	Up to 64 units can be connected per LON controller
Installation box for LON controller	KJB411A	For wall mounted installation

7. BACnet Gateway

DESCRIPTION	REFERENCE	COMMENTS
BACnet Gateway	DMS502A51	64 units per Gateway
DIII board	DAM411A1	Extension of 3 x DIII lines (3 x 64) indoor units

8. BMS: BUILDING MANAGEMENT SYSTEM

DESCRIPTION		REFERENCE	COMMENTS
Contact / analog signal	Parallel interface Basic unit	DPF201A51	enables ON/OFF command, operation and display of malfunction can be used in combination with up to 4 units.
	Temperature measurement units	DPF201A52	enables temperature measurement output for 4 groups; 0~5VDC."
	Temperature setting units	DPF201A53	enables temperature setting input for 16 groups; 0~5VDC."
	Unification adapter for computerised control	DCS302A52	used for combining of air conditioning control computer and central remote controller (ON/OFF, display)
	Wiring adapter for electrical appendices (1)	KRP2A51 KRP2A52	simultaneously controls air conditioning control computer and up to 64 groups of indoor units.
	Wiring adapter for electrical appendices (2)	KRP4A51-53	to control the group of indoor units collectively, which are connected by the transmission wiring of remote controller.
External control adapter for outdoor unit		DTA104A51 DTA104A52	cooling/heating mode change over, demand control and low noise control are available between the plural outdoor units.
DIII-net expander adapter		DTA109A51	a maximum of 10 outdoors or 128 indoors can be connected to 1 DTA109A51 a maximum of 8 DTA109A51 can be connected to DIII-net
Mounting kit		KRP4A92	for easy installation of the DTA109A51

NOTES

Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard.
ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Specifications are subject to change without prior notice

CE Daikin units comply with the European regulations that guarantee the safety of the product.

VRV products are not within the scope of the Eurovent certification programme

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