Warning

- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion and may have resultant impacts on warranty.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea, direct exposure to sea breeze should be avoided. If you need to install the outdoor unit close to the sea, contact your local distributor.

JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, COMPRESSORS AND VALVES.

JQA-1452

Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM

Quality
ISO 9001
Daikin Australia Pty Limited (ISO9001)
QEC23256 May 31, 2006
Sydney, Brisbane, Adelaide, Melbourne, Newcastle, Townsville, Perth, Auckland

EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Environment
ISO 14001
Daikin Australia Pty Limited (ISO14001)
CEM20437 October 27, 2006
Sydney, Brisbane, Melbourne, Adelaide

Dealer

DAIKIN INDUSTRIES, LTD.
Head Office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan
Tokyo Office:
JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan
http://www.daikin.com/global_ac/

09/12 DN

- Specifications, designs and other content appearing in this brochure are current as of August 2012 but subject to change without notice.

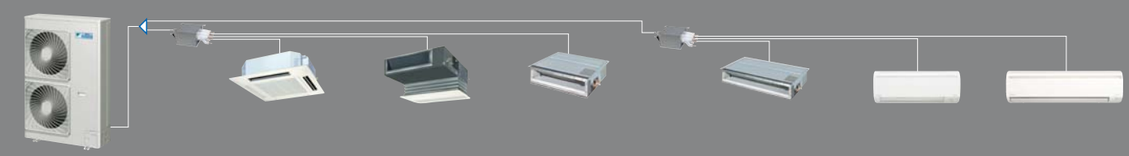
PCRAU0726F

DAIKIN

SUPER MULTI PLUS

Multi-Split Type Air Conditioners L Series
with DC Inverter Power Control
Cooling Only & Heat Pump [50 Hz]

Connectable to max. 9 indoor units



INVERTER R-410A

An 11.2 to 15.5 kW Multi-Split system

Daikin's Super Multi PLUS L series is connectable to up to 9 indoor units and offers you a richer choice of indoor units to coordinate with each room décor. Advanced technology from Daikin has achieved a high COP and low sound level to suit today's modern living environment.

SUPER MULTI PLUS

• Connectable to max. 9* indoor units

INVERTER R-410A

* Combination is possible with 15.5 kW class outdoor unit and 2.0 kW class indoor units.

that suits large and luxurious houses

Main features of Daikin's SUPER MULTI PLUS

■ Wide range of outdoor units

3 models of outdoor units are available in the wide range of **11.2, 14 and 15.5 kW** classes. A maximum of **9* indoor units** can be connected.

* Combination is possible with 15.5 kW class outdoor unit and 2.0 kW class indoor units.

■ Wide variety of indoor units

32 models of indoor units grouped into 7 types (heat pump)—ceiling-mounted cassette, ceiling-mounted built-in, ceiling-suspended, duct-connected, wall-mounted, floor-standing, and floor/ceiling-suspended dual types—provide a wide range of options for interior coordination.

■ Energy efficient

The **scroll compressor, DC inverter and DC fan motor** technologies are energy efficient, achieving **high COP values**.

■ Quiet operation

Latest technologies and features achieve the quiet sound level of **43 dB (A)** during night quiet mode operation for outdoor units, realising comfortable operation.

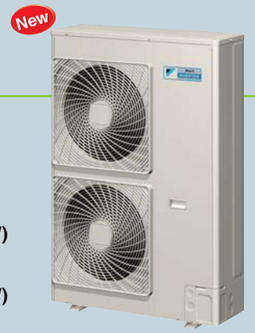
■ Great flexibility in installation

Long piping lengths of **145 m** for the 15.5 kW class outdoor unit and simplified wiring reduce restrictions on the installation position.

Wide range of choices

To suit every room in large houses, small shops and small offices, the Super Multi PLUS L series offers a wide range of indoor and outdoor units.

A wide range of indoor and outdoor units



Outdoor unit

3 models

11.2 kW, 14 kW, 15.5 kW

The outdoor unit can be selected from three models for the precise power to suit the size of house, shop or office.

RMK(X)S112LV1A (11.2 kW)
RMK(X)S140LV1A (14 kW)
RMK(X)S160LV1A (15.5 kW)

Indoor unit

32 models 7 types (heat pump)

A wide range of indoor units includes 32 heat pump models in 7 types and 25 cooling only models in 5 types. Indoor units can be selected to match each room and preference.

Type	Cooling only							Heat pump						
	Model name	20	25	35	50	60	71	Model name	20	25	35	50	60	71
	Rated capacity (kW)	2.0	2.5	3.5	5.0	6.0	7.1	Rated capacity (kW)	2.0	2.5	3.5	5.0	6.0	7.1
Ceiling-mounted cassette type 600 x 600	FCQ-B			●	●	●	●	FCQ-B			○	○	○	○
	FFQ-B		●	●	●	●		FFQ-B		○	○	○	○	
Ceiling-mounted built-in type	FBQ-B					●	●	FBQ-B					○	○
Ceiling-suspended type	FHQ-B			●	●	●		FHQ-B			○	○	○	
Duct-connected type	CDKS-EA (700 mm width type)		●	●				CDXS-EA (700 mm width type)		○	○			
	CDKS-C (900/1,100 mm width type)		●	●	●	●		FDXS-C (900/1,100 mm width type)		○	○	○	○	
Wall-mounted type	FTKS-K	●	●	●				FTXS-K	○	○	○			
	FTKS-KA				●	●	●	FTXS-KA				○	○	○
Floor-standing type								FVXS-K		○	○	○		
Floor/ceiling-suspended dual type								FLXS-B		○				
								FLXS-G			○	○	○	

A wide variety of stylish indoor units

R-410A

Ceiling-mounted cassette type

Ceiling-mounted built-in type

Ceiling-suspended type

Duct-connected type

Wall-mounted type

Floor-standing type

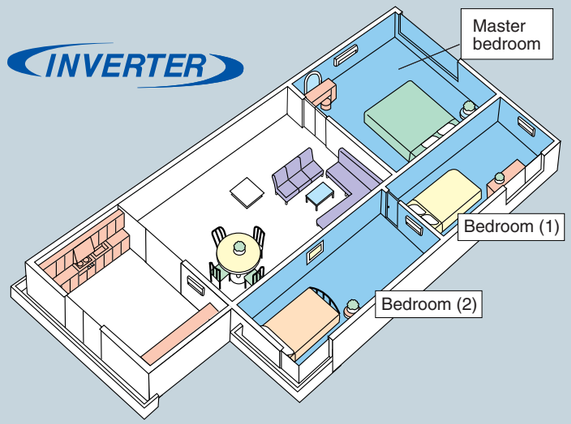
Floor/ceiling-suspended dual type

Energy efficiency and quiet operation

The Super Multi PLUS L series outdoor units use the latest technologies for energy efficient performance and quiet operation.

Energy Efficient

With DC inverter power control the air conditioner can operate at low capacity most of the time. DC inverter power control is able to achieve a high COP even when multiple indoor units operate simultaneously for long periods of time.



During night time

RMXS160L	Cooling operation	Heating operation
Master bedroom 3.5 kW class Bedroom (1) 2.0 kW class Bedroom (2) 2.5 kW class	Power consumption 1,990 W COP 3.93	Power consumption 2,210 W COP 4.21

What is COP?

An air conditioner's COP (coefficient of performance) indicates how efficiently it uses energy. A high COP means high energy efficiency.

$$COP = \frac{\text{Capacity (W)}}{\text{Power consumption (W)}}$$

Quiet operation

Quietness is yet another important feature of Daikin's Super Multi PLUS L series. To reduce sound, latest technologies and features are applied to the outdoor units, achieving quiet operating sound level of 43 dB (A) in night quiet mode.

Night quiet mode

Mode 1. Automatic mode

Operation sound level selectable from 3 steps for the night mode

Set on the outdoor PCB. Time of maximum temperature is memorised. The low operating mode will become active 8 hours*1 after the peak temperature in the daytime, and operation will return to normal 10 hours*2 after that. The operation sound level for the night mode can be selected from 49 dB (A) (Step 1), 46 dB (A) (Step 2) and 43 dB (A) (Step 3).

Mode 2. Manual mode

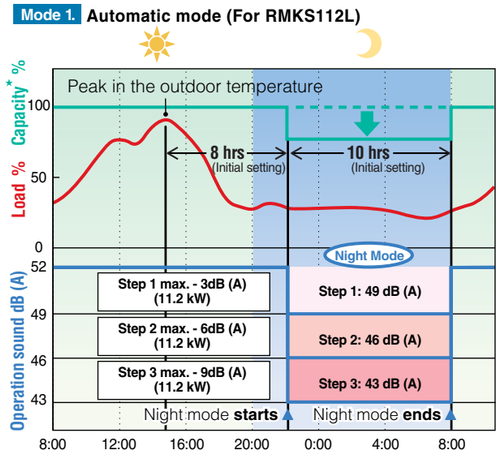
Starting time and ending time can be input. (External control adaptor for outdoor unit, DTA104A61 or DTA104A62, and a subsequently obtained timer are necessary.)

Mode 3. Combined mode

Combination of mode 1 and 2 can be used depending on your needs.

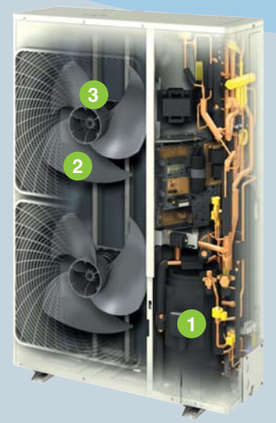
*1. Initial setting. Can be selected from 6, 8 and 10 hours.
*2. Initial setting. Can be selected from 8, 9 and 10 hours.

Mode 1. Automatic mode (For RMKS112L)



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.
* The capacity reduction rate differs depending on the operation sound level step selected.

Efficient and quiet operation

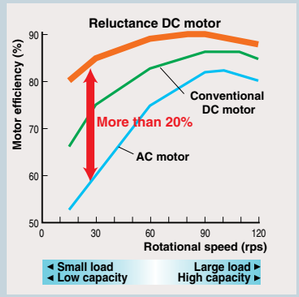


RMK(X)S112L
RMK(X)S140L
RMK(X)S160L

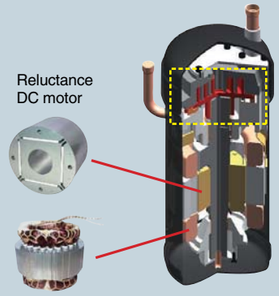
The high efficiency compressor to achieve a higher COP

1 Compressor equipped with Reluctance DC motor

Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor.



Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.

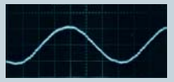


*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.

>> Smooth sine wave DC inverter

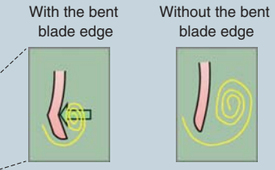
Use of an optimised sine wave smoothes motor rotation, further improving operating efficiency.

Sine wave DC inverter



2 Smooth Air Inlet Bell Mouth and Aero Spiral Fan

These two features work to reduce sound. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.



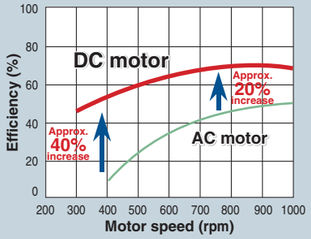
Escaping eddies are sucked in by the bent blade edges, reducing overall turbulence.

3 DC fan motor

Efficiency improved in all areas compared to conventional AC motors, especially at low speeds.

DC fan motor structure

DC motor efficiency
(Comparison with a conventional AC motor)



Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.

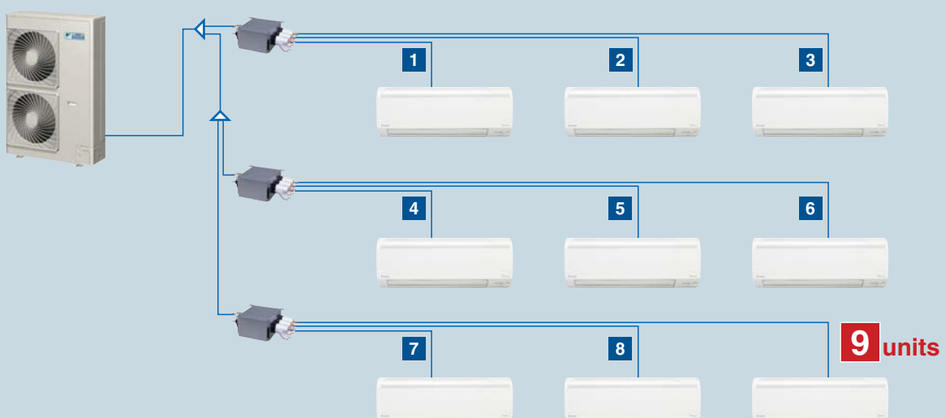
Design flexibility and easy installation

The Super Multi PLUS L Series is connectable to up to 9 indoor units. While the BP unit and the REFNET joint make installation simple, long piping length and simplified wiring broaden design flexibility.

As many as 9 indoor units can be connected to a single outdoor unit

Thin refrigerant piping makes handling and connecting easier, resulting in significantly reduced installation time.

For outdoor unit 15.5 kW installation



>> **8 indoor units** for a **14 kW** installation >> **6 indoor units** for a **11.2 kW** installation

BP unit

The BP unit is an innovative development which allows Super Multi PLUS outdoor units to be connected to a wide range of different indoor unit types. The BP unit has the ability to precisely vary refrigerant volume to meet the cooling requirements of individual room spaces.

3 ports BPMKS967A3

2 ports BPMKS967A2

REFNET joint

The REFNET joint reduces the amount of work involved in installation and increases the reliability of the system.

Optional REFNET joint: KHRP26A22T

Long refrigerant piping

A maximum total piping length of 145 m offers flexibility in the choice of installation positions for the indoor units, and simplifies system planning.

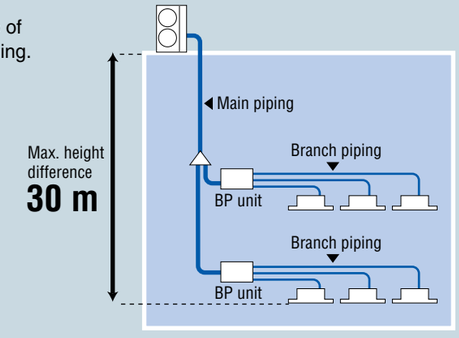
Piping length for RMK(X)S160L

Total main piping length ≤ **55 m**

Total branch piping length ≤ **90 m**

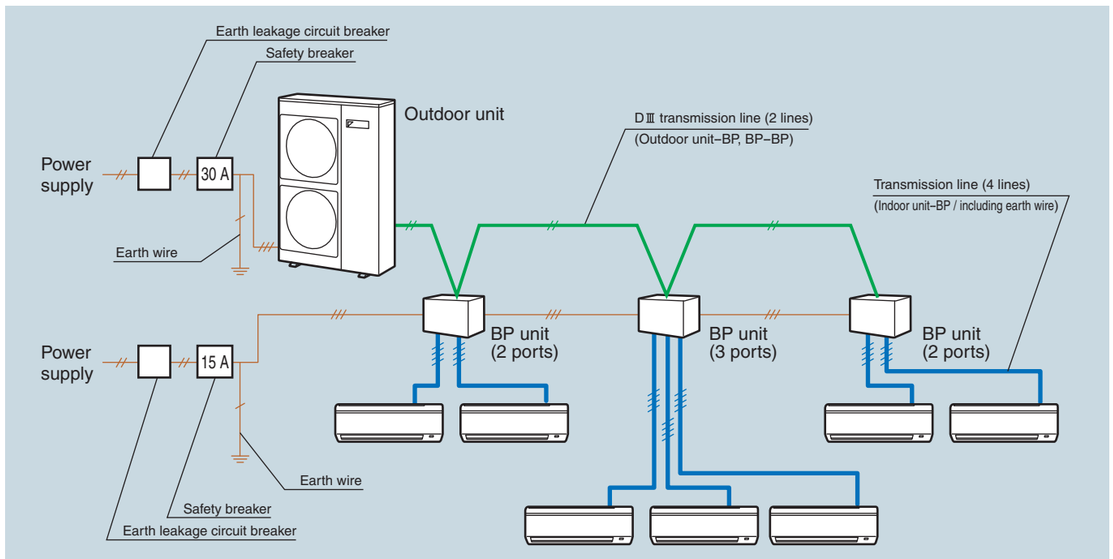
Total main and branch piping length ≤ **145 m (55 + 90)**

Note: Refrigerant charge is required. (Chargeless piping length 0 m)



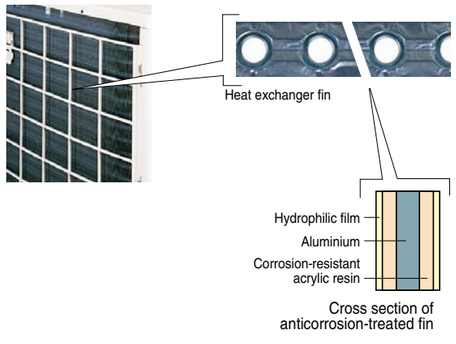
Simplified electrical wiring connection

The outdoor unit and the BP units operate from separate single-phase power supplies, so no power supply wiring is needed between them. The size of the wiring pipe from the outdoor unit to the BP units can be reduced, making installation easier.



Durable outdoor unit

The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets.

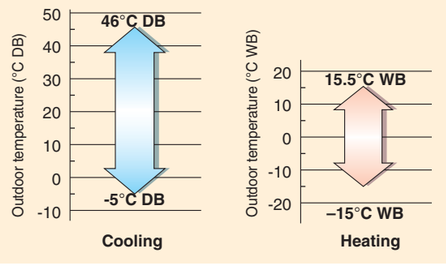


Space saving

A single high-capacity outdoor unit can drive up to 9 indoor units, making it powerful enough to air-condition a whole residence. This powerful unit can be easily installed on a balcony with its slimline design, which measures (H) 1,345 x (W) 900 x (D) 320 mm.

Wide Operation Range

The Super Multi PLUS has the wide operation range required for commercial-use air-conditioning systems.



Centralised Control system

Both Super Multi PLUS and VRV systems are compatible with the Building Air-Conditioning Control System. This allows Super Multi PLUS and VRV units to be conveniently operated from the same common controller when the two systems are installed together in a building.

Central remote controller
DCS302CA61

Central remote controller (option)

64 groups (zones) of indoor units can be controlled individually same as LCD remote controller.

- Max. 64 groups controllable
- Zone control
- Malfunction code display

Unified on/off controller
DCS301BA61

Unified on/off controller (option)

16 groups of indoor units can be operated simultaneously/individually.

- Max. 16 groups controllable
- Operating status indication
- Centralised control indication

Schedule timer
DST301BA61

Schedule timer (option)

128 indoor units can be operated on a 7-day programmed schedule.

- Max. 128 indoor units controllable
- The start and stop time for twice a day can be set for the week in a a unit of one minute.

5-room centralised controller
KRC72

5-room centralised controller (option)

5 indoor units can be controlled. This is a low cost system which can only control about on/off.

- Max. 5 indoor units controllable
- Contribute to save energy by eliminating turn-off of lamps.

Compatible indoor units

	FCQ, FFQ	FBQ	FHQ	C(F)DK(X)S	FTK(X)S	FVXS	FLXS
Central remote controller*1	●	●	●	●	●	●	●
Unified on/off controller*1	●	●	●	●	●	●	●
Schedule timer*1	●	●	●	●	●	●	●
5-room centralised controller*2				●	●	●	●

Notes: *1. An interface adaptor (KRP928BB2S or DTA112BA51) is also required for each indoor unit.
*2. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.

Indoor unit lineup

R-410A

Type	Cooling only							Heat pump						
	Model name	20	25	35	50	60	71	Model name	20	25	35	50	60	71
	Rated capacity (kW)	2.0	2.5	3.5	5.0	6.0	7.1	Rated capacity (kW)	2.0	2.5	3.5	5.0	6.0	7.1
Ceiling-mounted cassette type 600 x 600	FCQ-B			●	●	●	●	FCQ-B			○	○	○	○
	FFQ-B		●	●	●	●		FFQ-B		○	○	○	○	
Ceiling-mounted built-in type	FBQ-B					●	●	FBQ-B					○	○
Ceiling-suspended type	FHQ-B			●	●	●		FHQ-B			○	○	○	
Duct-connected type	CDKS-EA (700 mm width type)		●	●				CDXS-EA (700 mm width type)		○	○			
	CDKS-C (900/1,100 mm width type)		●	●	●	●		FDXS-C (900/1,100 mm width type)		○	○	○	○	
Wall-mounted type	FTKS-K	●	●	●				FTXS-K	○	○	○			
	FTKS-KA				●	●	●	FTXS-KA				○	○	○
Floor-standing type								FVXS-K		○	○	○		
Floor/ceiling-suspended dual type								FLXS-B		○				
								FLXS-G			○	○	○	

Ceiling-mounted cassette (multi flow) type

Specially designed for false ceilings—for a smooth, modern interior finish

The ideal air conditioner for installation inside narrow false ceilings—with only the decoration panel visible after installation. A simple design makes it comfortable to the public eye in shops and small offices in tenant buildings, as well as right at home in the living rooms with false ceilings found in multi-storey apartment blocks.

Option

Note: Remote controller cables not included. Cables should be obtained locally.

Option

Signal receiver unit

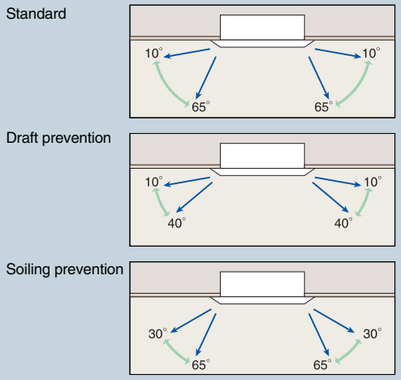
Note: Wireless remote controllers and signal receiver units are sold as a set.

	3.5 kW class	5.0 kW class	6.0 kW class	7.1 kW class
Cooling only	FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE
Heat pump	FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE

Comfort and quietness

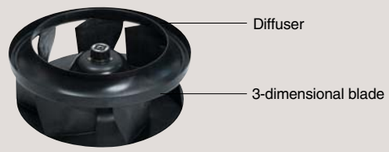
Three convenient patterns for auto-swing operation

Standard: a swing range of 10˚ to 65˚
Draft prevention: a limited swing range of 10˚ to 40˚ prevents airflow from blowing directly onto people.
Soiling prevention: a limited swing range of 30˚ to 65˚ prevents ceilings from becoming dirty due to direct airflow.



Quiet operation

The turbofan was designed using aviation technology to reduce draft resistance inside the unit, achieving quiet sound level of 33/29 dB (A) to 35/30 dB (A).

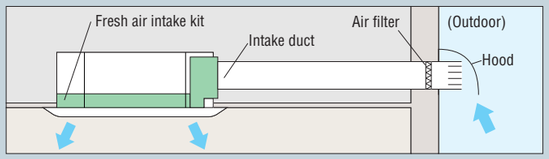


(H/L)

FCQ35	FCQ50	FCQ60	FCQ71
33/**29** dB(A)	33/**29** dB(A)	35/**30** dB(A)	35/**30** dB(A)

Optional fresh air intake kit

Allows fresh air to be circulated using only the fan for improved room ventilation. This is useful in buildings where ventilation fans cannot be installed.

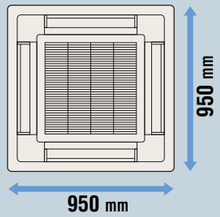


Note: The intake duct, hood, air filter, insect screen, fireproof damper, etc. should be obtained locally if required.

Design flexibility

Compact decoration panel

All models feature a decoration panel with the same compact size and simple design for easier planning of lighting systems and harmonising of interior décor.



Same for all models

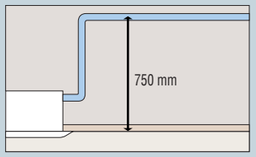
Decoration panel is optional

Light and compact main units

The indoor units weigh only 24 kg and require an installation space with a height of just 245 mm.

High-lift drain pump

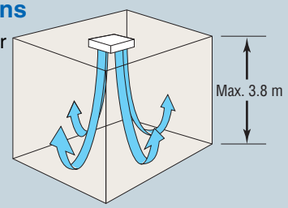
A system provides lift for the drain pump of up to 750 mm from the ceiling. This is convenient for multi-storied buildings, which have a large amount of other piping and wiring inside the ceiling.



Installation flexibility

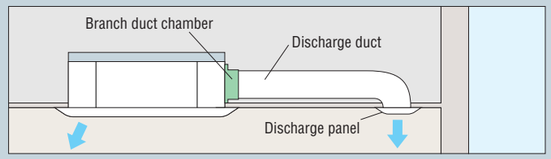
High-ceiling applications

These models have the power to provide a comfortable airflow even with a ceiling height of up to 3.8 m.



Optional branch duct chamber

A chamber can be connected to the air conditioner to provide additional airflow for crowded spaces or areas sensitive to outside temperatures.



Note: The discharge duct, discharge panel, etc. should be obtained locally if required.

Ceiling-mounted cassette (compact multi flow) type

Compact dimensions suitable for the light commercial market

The ideal air conditioner for installation inside narrow false ceilings—with only the smooth and simply finished decoration panel visible after installation. The compact dimensions are suitable even for the light commercial market as well as for the living rooms with false ceilings found in multi-storey apartment blocks.

600 x 600

	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class
Cooling only	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Heat pump	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B

Option

Note: Remote controller cables not included. Cables should be obtained locally.

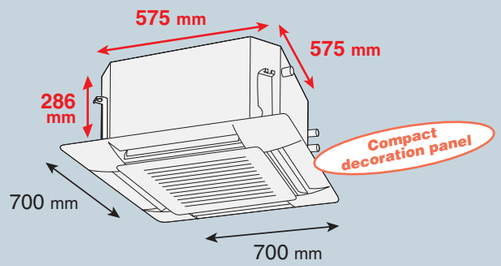
Option

Signal receiver unit

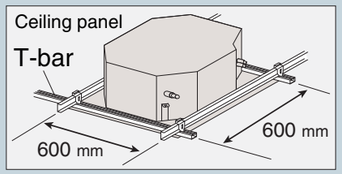
Note: Wireless remote controllers and signal receiver units are sold as a set.

Design flexibility

Designed to fit 600 mm wide ceiling grids

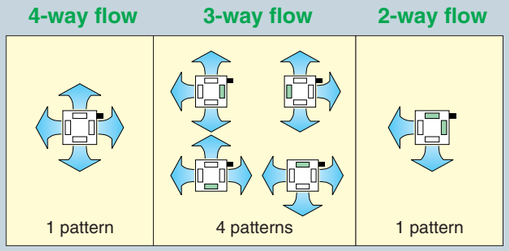


- T-bar grid does not need to be cut.



- Even for modules other than 600 x 600, no inspection opening is required. Maintenance can be performed after simply removing the grille, because the switchbox is built into the unit.

Multi-flow system offers a selection of air discharge patterns that suit all areas.



"■" denotes piping direction. "▭" denotes sealing member for air discharge outlet (option).

Note: For 3-way or 2-way flow installation, the sealing member for air discharge outlet (option) must be used to close off the unused outlet(s).

Comfort and quietness

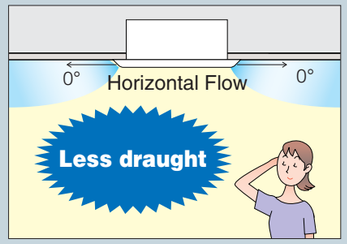
Quiet sound level of only 24.5 dB (A)

At low fan speeds, the 2.5 kW model produces sound of only 24.5 dB (A), and even the 6.0 kW model as low as 32 dB (A). This is due to a spiral hub cover that reduces internal airflow resistance.

(H/L)

FFQ25	FFQ35	FFQ50	FFQ60
29.5/24.5 dB(A)	32/25 dB(A)	36/27 dB(A)	41/32 dB(A)

Low draft performance is designed for your comfort.



Comfortable across all areas

Conditioned air is distributed evenly by Auto-swing operation.

Adjustable airflow angle to suit all room conditions.

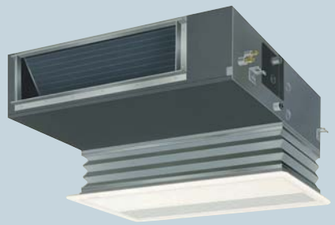
	AUTO-SWING	5 direction
Standard setting	0° 60° Auto-swing between 0° and 60°	0° 60° Settable to 5 different levels between 0° and 60°
Draft prevention setting (Set on site)	0° 35° Auto-swing between 0° and 35°	0° 35° Settable to 5 different levels between 0° and 35°
Setting to prevent soiling of ceiling (Set on site)	25° 60° Auto-swing between 25° and 60°	25° 60° Settable to 5 different levels between 25° and 60°

Note: Angles shown above are provided as a guide. They may differ depending on the installation site.

Ceiling-mounted built-in type

Flexible air discharge unit to fit various forms of space

This ceiling-mounted built-in air conditioner is highly flexible in installation. The visible part is small, with a simple finish that blends in with any type of room.



Option

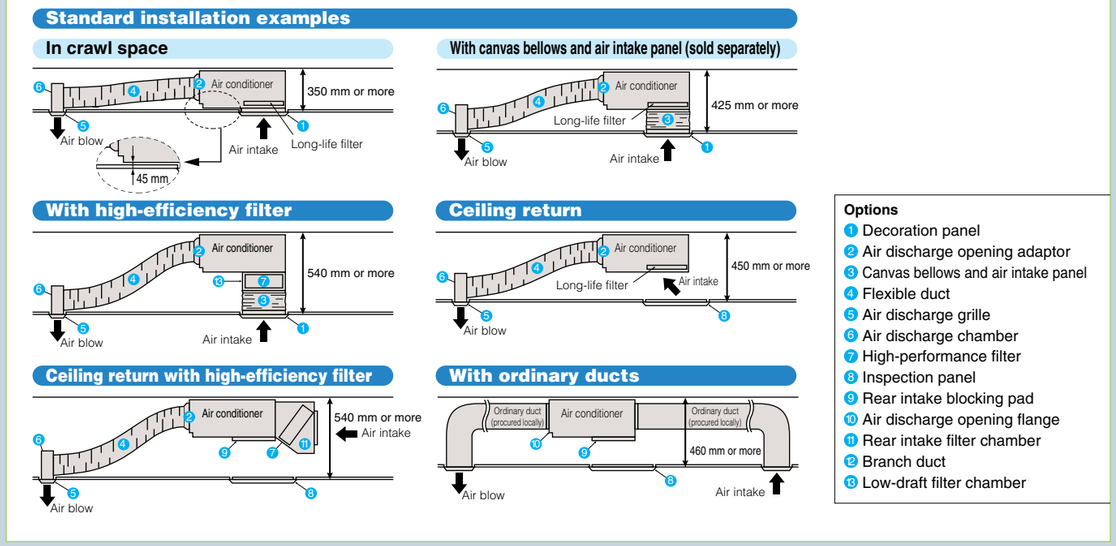
Note: Remote controller cables not included. Cables should be obtained locally.

	6.0 kW class	7.1 kW class
Cooling only	FBQ60BV1	FBQ71BV1
Heat pump	FBQ60BV1	FBQ71BV1

Installation flexibility

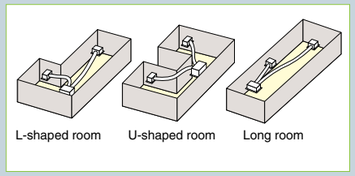
Meets diverse installation needs

The indoor unit can be installed in rooms with as little as 350 mm between the drop ceiling and ceiling slab. It also works with both flexible and ordinary ducts.



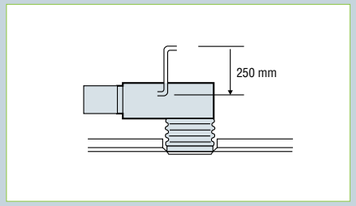
Flexibly adapts to room interiors

To cope with the challenges of L-shaped or U-shaped spaces, it is possible to install the air discharge unit away from the main unit. This extends the possibilities for coping with human gathering patterns or sun lighting. At the same time, different types of architectural space can be kept comfortable.



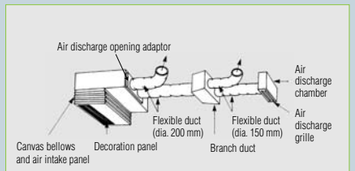
Provided with drain water lift-up mechanism as standard equipment

Drainage pipes can be run as high as 250 mm above the drain outlet.



High-efficiency filter (option)

Available in two types: 65% and 90% colourimetry.



Comfort and quietness

Quiet operation

(H/L)

FBQ60	FBQ71
41/35 dB(A)	41/35 dB(A)

Ceiling-suspended type

Slim body with quiet and wide airflow

This ceiling-suspended type air conditioner features a slim body with a quiet and wide airflow.

	3.5 kW class	5.0 kW class	6.0 kW class
Cooling only	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
Heat pump	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B

Option

Note: Remote controller cables not included. Cables should be obtained locally.

Option

Signal receiver unit

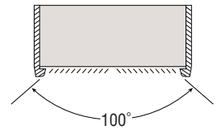
Note: Wireless remote controllers and signal receiver units are sold as a set.

Comfort and quietness

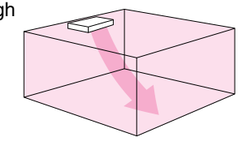
Spreads comfortable air throughout the room

Auto-swing for comfort in all directions.

Wide air discharge openings produce a spreading 100° airflow



Installable on ceilings 3.5 m high



Quiet operation

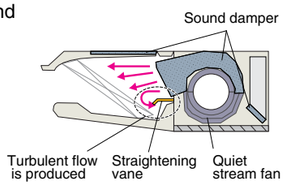
Quiet operation has been emphasised even more on the exposed ceiling suspended type unit.

(H/L)

FHQ35	FHQ50	FHQ60
37/32 dB(A)	38/33 dB(A)	39/33 dB(A)

* Capacity may be affected.

Uses quiet stream fan and other quiet technologies.



Design and installation flexibility

Easier installation for greater freedom of design

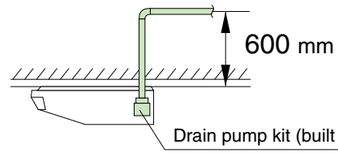
Uniform height and depth. Narrower design for small-capacity models to meet tighter dimensional constraints.

(mm)

Indoor unit	FHQ35	FHQ50	FHQ60
Height	195		
Width	960		1,160
Depth	680		

Drain pump kit (option) can be easily incorporated

Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.



Easier to maintain

Long-life filter lasts approximately 1 year*

* For dust concentration of 0.15 mg/m³

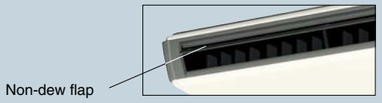
Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment. Maintenance time warning is displayed on the remote controller (filter sign).

Easy-clean, flat surfaces

It is easy to wipe dirt off the flat side and lower surfaces of the unit.

Non-dew flap without bristles

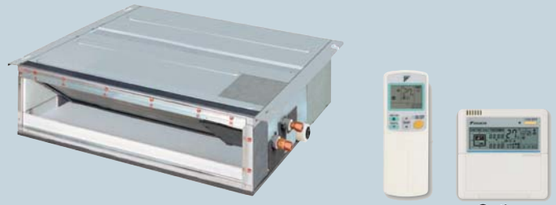
Absence of bristles minimises clinging dirt and simplifies cleaning.



Duct-connected type

Slim and smooth design suits your shallow ceiling

The visible parts have a smooth and sophisticated finish that blends with any type of interior décor. A wireless remote controller is a standard feature with prewired receiver, offering you great convenience.



Option

〈700 mm width type〉

	2.5 kW class	3.5 kW class
Cooling only	CDKS25EAVMA	CDKS35EAVMA
Heat pump	CDXS25EAVMA	CDXS35EAVMA

〈900/1,100 mm width type〉

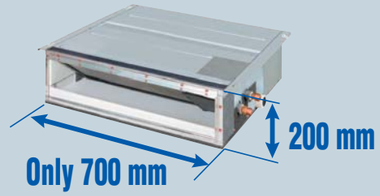
	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class
Cooling only	CDKS25CVMA	CDKS35CVMA	CDKS50CVMA	CDKS60CVMA
Heat pump	FDXS25CVMA	FDXS35CVMA	FDXS50CVMA	FDXS60CVMA

Installation flexibility

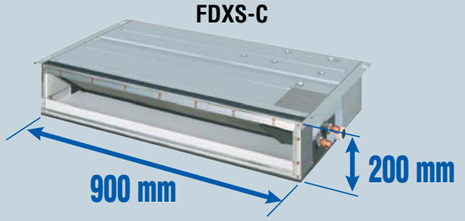
Slim and compact design

Models in the CDKS-EA and CDXS-EA series are only 700 mm in width and 21 kg in weight, so are easily installed in limited spaces. Just 200 mm in height, all models can be installed in rooms with as little as 240 mm depth between the drop ceiling and ceiling slab, making them ideal for even shallow ceilings.

CDKS-EA
CDXS-EA

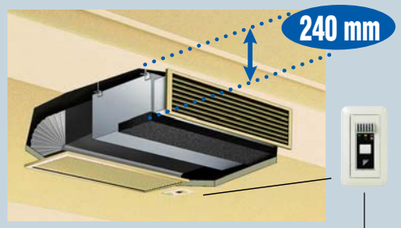


CDKS-C
FDXS-C



* Width for the CDKS60C and FDXS60C models is 1,100 mm.

	CDKS25EA CDXS25EA	CDKS35EA CDXS35EA	CDKS25C FDXS25C	CDKS35C FDXS35C
Dimensions (H x W x D)	200 x 700 x 620 mm		200 x 900 x 620 mm	
Weight	21 kg		25 kg	
Airflow rate (H)	145 ℓ/s		158 ℓ/s	167 ℓ/s
External static pressure	30 Pa		40 Pa	



Signals from the wireless remote controller are transmitted to the signal receiver.

Comfort and quietness

Quiet operation

Quiet operation sound level of only 29 dB (A) is achieved.

(H/L/**SL**)

CDKS25 C(F)DXS25	CDKS35 C(F)DXS35	CDKS50 FDXS50	CDKS60 FDXS60
35/31/**29** dB(A)	35/31/**29** dB(A)	37/33/**31** dB(A)	38/34/**32** dB(A)

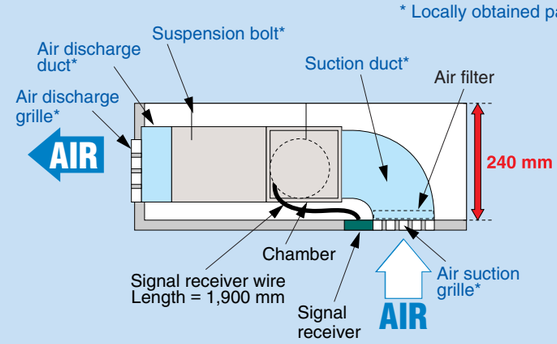
* Capacity may be affected.

Home Leave Operation

Home Leave Operation prevents large rises or falls in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

* Home Leave Operation can be selected for any temperature from 18 to 32˚C for cooling operation and 10 to 30˚C for heating operation.
* Home Leave Operation function must be set using the remote controller when going to sleep or leaving the house, and after waking up or returning home.

* Locally obtained parts



Notes: 1. To prevent an increase in operation noise, avoid installing the air suction grille directly below the suction chamber.
2. Grilles, piping connections, ducts, and installation parts should be obtained locally. Duct-connected types do not have drain-up pumps.
3. The signal receiver unit must be located near the air suction inlet, because the unit includes a sensor that detects room temperature.

Wall-mounted type

Stylish flat panel harmonises with your interior décor

The simple and sophisticated flat panel design coordinates smoothly with any type of interior décor. Its refined design and functions provide you with a comfortable living environment, all year round.

	2.0 kW class	2.5 kW class	3.5 kW class
Cooling only	FTKS20KVMA	FTKS25KVMA	FTKS35KVMA
Heat pump	FTXS20KVMA	FTXS25KVMA	FTXS35KVMA

Option

	5.0 kW class	6.0 kW class	7.1 kW class
Cooling only	FTKS50KAVMA	FTKS60KAVMA	FTKS71KAVMA
Heat pump	FTXS50KAVMA	FTXS60KAVMA	FTXS71KAVMA

Option

Comfort and quietness

Quiet operation

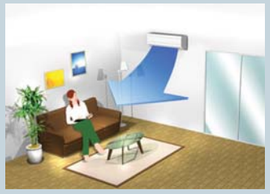
Wall-mounted type indoor units achieve quiet sound level of 22 dB (A). (H/L/**SL**)

FTKS20/25	FTKS35	FTKS50	FTKS60	FTKS71
38/25/**22** dB(A)	42/26/**23** dB(A)	44/35/**32** dB(A)	45/36/**33** dB(A)	46/37/**34** dB(A)

* Capacity may be affected.

Intelligent Eye

Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by 2˚C for energy savings.

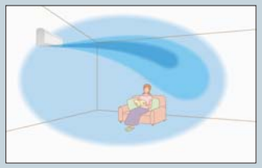


When you are in the room

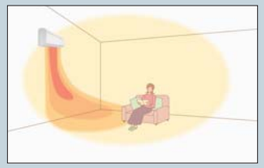
When you go out

Comfort Airflow Mode

Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to your body. With this function, when you press the COMFORT button during cooling operation, the flap moves upward to prevent direct cold drafts. During heating operation, it also moves downward to prevent direct drafts and deliver warm air to the floor.



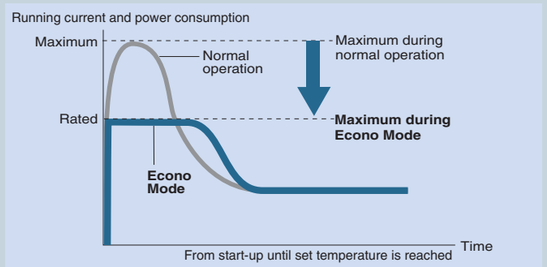
Cooling operation



Heating operation

Econo Mode

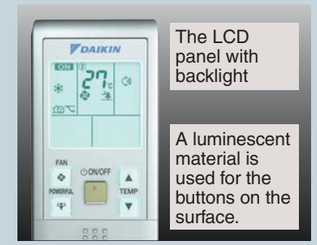
Econo Mode reduces the maximum running current and the maximum power consumption of the outdoor unit to the rated values. This is useful when using multiple air conditioners and other electrical devices at the same time.



• This diagram is a representation for illustrative purposes only.
• Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.

Versatile remote control

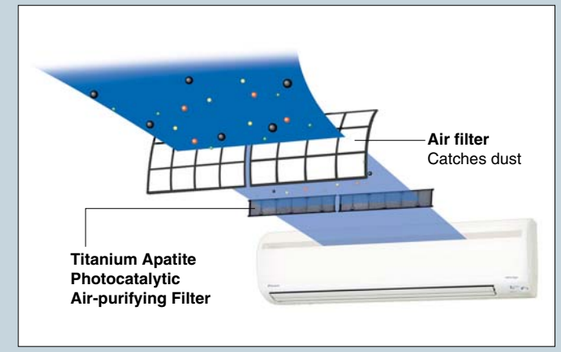
The remote controller with a backlit liquid crystal display and luminescent control buttons also features a built-in Weekly Timer that can be programmed to suit your lifestyle, with up to four actions per day for each day of the week.
This controller not only allows you to programme on and off times, but also the desired temperature during those times. Furthermore, the 'copy' function enables any daily programme to be replicated on any other day or days as required.



Weekly Timer operation button

Clean air

Titanium Apatite Photocatalytic Air-Purifying Filter



Titanium apatite is a photocatalytic material with high adsorption power. Titanium apatite also effectively adsorbs and decomposes bacteria across its entire surface. The photocatalyst is activated simply by exposure to light.

These filters are not medical devices. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Bacteria Removal Test
Testing method: dropping method
Result certificate: No. 012553-1 and 012553-2
Testing organisation: Japan Spinners Inspecting Foundation

Floor-standing type

Dual discharges to evenly distribute air across the whole room

A space-saving air-conditioner of simple and neat appearance. It distributes airflow to the furthest corners with efficient Vertical Auto-Swing and Wide-Angle Louvres.

	2.5 kW class	3.5 kW class	5.0 kW class
Heat pump	FVXS25KV1A	FVXS35KV1A	FVXS50KV1A

Dual air discharge for enhanced comfort

Daikin's inverter floor standing units are especially effective in heating. The unit features dual air outlets that diffuse warm air at floor level, and vertical auto swing louvers on the top air outlet, providing uniform distribution of heated air in the room. In warmer months, the lower air outlet can be shut off, leaving the top air diffuser to stream cool refreshing air upwards.

Double airflow keeps feet warm during heating operation.

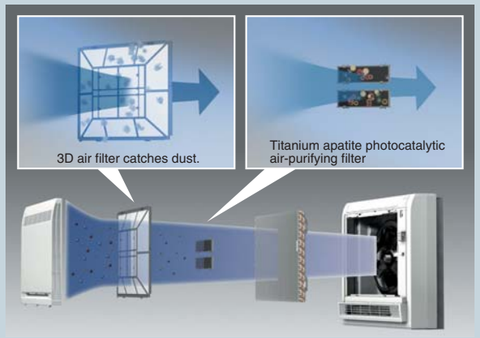
Easy to clean

The flat panel design makes cleaning the front face of the unit a breeze. Surface dust can be simply wiped away with a soft cloth. Furthermore, the unit can be installed off the floor to allow for cleaning of the floor space under the unit.

Wiping clean the flat panel is a breeze.

Easily clean beneath the unit.

Clean air



Internal structure

Uses a Titanium Apatite Photocatalytic Air-Purifying Filter. Titanium apatite is a photocatalytic material with high adsorption power. It effectively adsorbs and removes bacteria.

These filters are not medical devices. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Bacteria Removal Test
Testing method: dropping method
Result certificate: No. 012553-1 and 012553-2
Testing organisation: Japan Spinners Inspecting Foundation

Stylish and compact flat panel

The clever construction of the elegant flat panel unit allows the flexibility of fully exposed installation against a wall or semi-recessed installation in spaces such as in a mantelpiece.

Versatile remote control

The remote controller with a backlit liquid crystal display and luminescent control buttons also features a built-in Weekly Timer that can be programmed to suit your personal lifestyle, with up to four actions per day for each day of the week. This controller not only allows you to programme on and off times, but also the desired temperature during those times. Furthermore, the 'copy' function enables any daily programme to be replicated on any other day or days as required. Correct programming of the unit may also result in considerable energy savings.

Weekly Timer operation button

Floor/ceiling-suspended dual type

Floor/ceiling dual use maximises free space

Two-way installation

The floor/ceiling-suspended dual type's slim, rounded design allows both ceiling-suspended and floor-level installation. Ceiling-suspended installation frees up wall and floor space, while floor-level installation is possible.

	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class
Heat pump	FLXS25BVMA	FLXS35GVMA	FLXS50GVMA	FLXS60GVMA

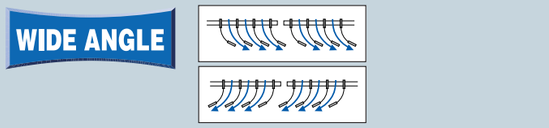
Ceiling-suspended installation

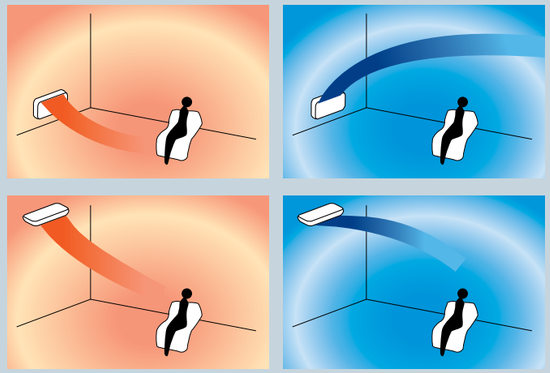
Floor-level installation

Comfort and quietness

Comfortable airflow

Vertical Auto-Swing and Wide-Angle Louvres realise that comfortable airflow spreads throughout a large room. With these functions, the whole room can be evenly air-conditioned from either a floor-level or ceiling-suspended installation. The louvres can be adjusted by hand.





The Vertical Auto-Swing and Wide-Angle Louvres direct warm/cool air to every corner of your room.

Quiet operation

The floor/ceiling-suspended dual type indoor units achieve quiet sound level of 28 dB (A).

(H/L/**SL**)

FLXS25	FLXS35	FLXS50	FLXS60
37/31/**28** dB(A)	38/32/**29** dB(A)	47/39/**36** dB(A)	48/41/**39** dB(A)

During cooling operation
* Capacity may be affected.

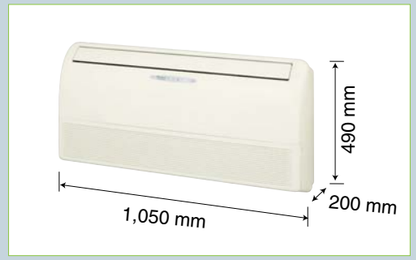
Design and installation flexibility

Slim and attractive indoor unit

The curved design of the indoor unit merges smoothly with the wall or floor to enhance the décor of any room.

Compact and lightweight indoor unit

The indoor unit is only 490 mm in height and weighs a featherlight 16 kg, which means it can be quickly and efficiently installed by one person.

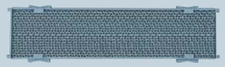


Clean air

Photocatalytic Deodorising Filter

The Photocatalytic Deodorising Filter is able to decompose odours and even removes bacteria and viruses. This filter can be used indefinitely if regular maintenance is carried out.

Bacteria Removal Test
Testing method: dropping method
Result certificate: No. 298081197-003
Virus Removal Test
Testing method: washout method
Result certificate: No. 298081197-004
Testing organisation: Japan Food Research Laboratories



Function list

Functions \ Models		Indoor unit									Outdoor unit
		Ceiling-mounted cassette type		Ceiling-mounted built-in type	Ceiling-suspended type	Duct-connected type	Wall-mounted type		Floor-standing type	Floor/ceiling-suspended dual type	
											
		FCQ	FFQ	FBQ	FHQ	CDK(X)S/FDXS	FTK(X)S20/25/35	FTK(X)S50/60/71	FVXS	FLXS	
Comfortable airflow	Power-airflow dual flaps						●	●			
	Wide-angle louvres						●	●	●	●	
	Vertical auto-swing (up and down)	●	●				●	●	●	●	
	Horizontal auto-swing (left and right)						●	●			
	3-D airflow						●	●			
	Comfort airflow mode						●	●			
Comfort control	Indoor unit quiet operation					●	●	●	●	●	
	Night quiet mode										●
	Intelligent eye						●	●			
	Automatic operation (Heat pump only)	●	●	●	●	●	●	●	●	●	
	Programme dry function	●	●	●	●	●	●	●	●	●	
	Auto fan speed					●	●	●	●	●	
	Hot-start function (Heat pump only)	●	●	●	●	●	●	●	●	●	
	Quick warming function (Heat pump only)										●
	Automatic defrosting (Heat pump only)										●
Lifestyle convenience	Inverter powerful operation					●	●	●	●	●	
	Econo mode					●	●	●	●		
	Home leave operation					●				●	
	Indoor unit on/off switch					●	●	●	●	●	
Cleanliness	Titanium apatite photocatalytic air-purifying filter						●	●	●		
	Photocatalytic deodorising filter									●	
	Long-life air filter	●	●	●	●						
	High-efficiency filter kit (option)	●		●							
	Fresh air intake kit (option)	●	●								
	Wipe-clean flat panel						●	●	●		
	Filter cleaning indicator	●	●	●	●						
Timers	24-hour on/off timer					●	●	●	●	●	
	72-hour on/off timer	●	●	●	●						
	Weekly timer						●	●	●		
	Night set mode					●	●	●	●	●	
Worry free	Auto-restart after power failure	●	●	●	●	●	●	●	●	●	
	Self-diagnosis with digital display	●	●	●	●	●	●	●	●	●	●
	Anticorrosion treatment of outdoor heat exchanger fins										●
Flexibility	Drain pump mechanism	●	●	●	●						
	Ceiling soiling prevention	●	●								

Function dictionary

Comfortable Airflow

Power-Airflow Dual Flaps
Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room. The flaps can direct warm air straight down to the floor during heating operation.

Wide-Angle Louvres
Smoothly curved Wide-Angle Louvres provide wide airflow coverage for effective cooling/heating operation.

Vertical Auto-Swing (up and down)
Vertical Auto-Swing automatically moves the flaps up and down to distribute air across a room.

Horizontal Auto-Swing (left and right)
Horizontal Auto-Swing automatically moves the louvres to the left and right to cover a room with cool/warm air.

3-D Airflow
This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool/warm air right to the corners of even large spaces.

Comfort Airflow Mode
This function prevents uncomfortable drafts from blowing directly on to the body. The flap changes the airflow direction. To prevent drafts, the flap moves upward during cooling operation and downward during heating operation.

Comfort Control

Indoor Unit Quiet Operation
Indoor unit operating sound level is decreased by 2 or 3 dB (A) from the low setting fan speed using the wireless remote controller.

Night Quiet Mode
Operation sound level is selectable from 3 steps for the night mode. This function is available in setting at site.

Intelligent Eye
Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by ± 2˚C for energy savings.

Automatic Operation (Heat pump only)
This function automatically selects cooling or heating operation mode based on the room temperature at start-up.

Programme Dry Function
This function automatically reduces the level of humidity.

Auto Fan Speed
The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Hot-Start Function (Heat pump only)
After defrosting or when starting heating operation, air is preheated before discharge to prevent uncomfortable cold drafts.

Quick Warming Function (Heat pump only)
During low outdoor temperatures, this function preheats the compressor to shorten the time required to discharge warm air.

Automatic Defrosting (Heat pump only)
Before starting heating operation, a sensor checks for frost in the outdoor unit and performs automatic defrosting if necessary so that only warm air is discharged.

Lifestyle Convenience

Inverter Powerful Operation
This function is convenient for boosting cooling/heating performance for a 20-minute period both when you first turn on your air conditioner and want to quickly change the room temperature.

Econo Mode
Econo Mode reduces the maximum running current and maximum power consumption of the outdoor unit to the rated values. This is useful when using multiple air conditioners and other electrical devices at the same time.

Home Leave Operation
Home Leave Operation continues operation to prevent a room from becoming too hot or cold while you are sleeping or out of your home. Select any temperature from 18 to 32˚C for cooling operation and 10 to 30˚C for heating operation.

Indoor Unit On/Off Switch
The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.

Cleanliness

Titanium Apatite Photocatalytic Air-Purifying Filter
Uses a Titanium Apatite Photocatalytic Air-Purifying Filter. Titanium apatite is a photocatalytic material with high adsorption power. It effectively adsorbs and removes bacteria. It lasts for 3 years without replacement if washed about once every 6 months.

Photocatalytic Deodorising Filter
This filter decomposes odours and even removes bacteria and viruses. This power is maintained simply by exposing the filter to sunlight once every 6 months.

Long-Life Air Filter
Maintenance is not required for one year.

High-Efficiency Filter Kit (option)
Two types are available: 65% and 90% colorimetry.

Fresh Air Intake Kit (option)
You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.
Note: 1. Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
2. Outside air fan interlocked with air conditioning unit is necessary. Optional PCB (KRP1C63) is required for interlocking.
3. It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating sound and may also influence temperature sending.

Wipe-Clean Flat Panel
The flat panel models can be cleaned with only the single pass of a cloth across their smooth surface. The flat panel can also be easily removed for more thorough cleaning.

Filter Cleaning Indicator
Dust deposited on the air filters is not only unhygienic, it also reduces the operating efficiency of the air conditioner. A message indicates when the air filters need cleaning.

Timers

24-Hour On/Off Timer
This timer can be preset to start and stop at any time within a 24-hour period. The air conditioner is started/stopped simply by pressing the On/Off timer button on the wireless remote controller.

72-Hour On/Off Timer
This timer can be set to start and stop at any time within a 72-hour period. Simply press the On timer button, and the air conditioner will automatically start to operate at the preset time.

Weekly Timer
This timer can be preprogrammed with settings for day of the week, time of day, temperature, and operation on/off. A maximum of four air conditioner start or stop points can be entered per day for each of seven days in a one-week period simply by pressing the WEEKLY button.

Night Set Mode
Pressing the Off timer button automatically selects the Night Set Mode. This function prevents excessive cooling or heating for pleasant sleep conditions.

Worry Free

Auto-Restart After Power Failure
The air conditioner memorises the settings for mode, airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.

Self-Diagnosis with Digital Display
Malfunction codes for each indoor unit are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

Anticorrosion Treatment of Outdoor Heat Exchanger Fins
The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.

Flexibility

Drain Pump Mechanism
Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.

Ceiling Soiling Prevention
Air discharge mechanism keeps airflow away from the ceiling. Ceiling cleaning is less frequently required.

Specifications

Outdoor unit

Outdoor unit

			Cooling only			Heat pump		
Model name			**RMKS112LV1A**	**RMKS140LV1A**	**RMKS160LV1A**	**RMXS112LV1A**	**RMXS140LV1A**	**RMXS160LV1A**
Power supply			1 phase, 220-240 V, 50 Hz					
Capacity (rated)	Cooling	kW	11.2	14.0	15.5	11.2	14.0	15.5
	Heating		—	—	—	12.5	16.0	17.5
Total indoor unit capacity		kW	5.5 to 14.5	7.0 to 18.2	8.0 to 20.8	5.5 to 14.5	7.0 to 18.2	8.0 to 20.8
Number of indoor units to be connected			6	8	9	6	8	9
Number of BP to be connected			3					
Casing colour			Ivory white					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	2.5	3.0	3.5	2.5	3.0	3.5
Airflow rate (H)	Cooling	ℓ/s (cfm)	1,767 (3,742)					
	Heating		—	—	—	1,767 (3,742)		
Refrigerant	Type		R-410A					
	Charge	kg	4.0					
Refrigerant oil	Model		DAPHNE FVC68D					
	Charge	ℓ	1.7					
Sound level	Cooling	dB (A)	52	53	54	52	53	54
	Heating		—	—	—	54	55	56
Sound power level	Cooling	dB (A)	65	66	67	65	66	67
	Heating		—	—	—	67	68	69
Dimensions (H x W x D)		mm	1,345 x 900 x 320					
Machine weight		kg	125					
Operating range	Cooling	°CDB	- 5 to 46					
	Heating	°CWB	—			-15 to 15.5		
Number of wiring connections			3 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP)					
Piping connections	Liquid (flare)	mm	ø9.5					
	Gas (brazing)	mm	ø19.1					
Max. interunit piping length	Total main piping and branch piping	m	115	135	145	115	135	145
	Total main piping	m	55					
	Total branch piping	m	60	80	90	60	80	90
	Max. length for each room	m	15					
Necessity of additional charge		kg/m	Necessary*					
Max. height difference		m	Between indoor or BP unit and outdoor unit: 30					
		m	Between indoor and BP unit: 15					

Note: * Refrigerant charge is required. (Chargeless piping length 0 m)
Formula for calculation charge: R (kg)
R = Total length (m) of liquid pipe size at ø9.5 x 0.054 + Total length (m) of liquid piping size at ø6.4 x 0.022

Measurement conditions
1. Cooling operation data is based on the following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; Equivalent piping length from outdoor unit to BP unit 5m; from BP unit to each indoor unit 3m; level difference 0m.
2. Heating operation data is based on the following conditions: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; Equivalent piping length from outdoor unit to BP unit 5m; from BP unit to each indoor unit 3m; level difference 0m.
3. Sound levels are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Indoor unit

Ceiling-mounted cassette (multi flow) type

				Cooling only				Heat pump			
Model name				**FCQ35BVE**	**FCQ50BVE**	**FCQ60BVE**	**FCQ71BVE**	**FCQ35BVE**	**FCQ50BVE**	**FCQ60BVE**	**FCQ71BVE**
Power supply				1 phase, 220-240 V/220 V, 50/60 Hz							
Airflow rate (H)	Cooling	ℓ/s (cfm)		233 (494)	250 (530)	317 (671)		233 (494)	250 (530)	317 (671)	
	Heating			—	—	—		233 (494)	250 (530)	317 (671)	
Sound level* (H/L)	Cooling	dB (A)		33/29		35/30		33/29		35/30	
	Heating			—		—		33/29		35/30	
Sound power level (H)	Cooling	dB (A)		48		50		48		50	
	Heating			—		—		48		50	
Fan speed				2 steps							
Temperature control				Microcomputer control							
Unit dimensions (H x W x D)			mm	230 x 840 x 840							
Machine weight			kg	24							
Piping connections	Liquid (flare)		mm	ø6.4			ø9.5	ø6.4			ø9.5
	Gas (flare)		mm	ø9.5	ø12.7		ø15.9	ø9.5	ø12.7		ø15.9
	Drain		mm	I.D ø25 x O.D ø32							
Heat insulation				Both liquid and gas pipes							
Panel (option)	Model			BYC125K-W1							
	Colour			White							
	Dimensions (H x W x D)		mm	40 x 950 x 950							
	Weight		kg	5							

Note: * For 220 V operation.

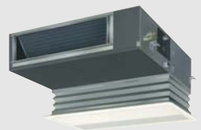
Ceiling-mounted cassette (compact multi flow) type

600 x 600

				Cooling only				Heat pump			
Model name				**FFQ25BV1B**	**FFQ35BV1B**	**FFQ50BV1B**	**FFQ60BV1B**	**FFQ25BV1B**	**FFQ35BV1B**	**FFQ50BV1B**	**FFQ60BV1B**
Power supply				1 phase, 220-240 V, 50 Hz							
Airflow rate (H)	Cooling	ℓ/s (cfm)		150 (318)	167 (353)	200 (424)	250 (530)	150 (318)	167 (353)	200 (424)	250 (530)
	Heating			—	—	—	—	150 (318)	167 (353)	200 (424)	250 (530)
Sound level* (H/L)	Cooling	dB (A)		29.5/24.5	32/25	36/27	41/32	29.5/24.5	32/25	36/27	41/32
	Heating			—	—	—	—	29.5/24.5	32/25	36/27	41/32
Sound power level (H)	Cooling	dB (A)		46.5	49	53	58	46.5	49	53	58
	Heating			—	—	—	—	46.5	49	53	58
Fan speed				2 steps							
Temperature control				Microcomputer control							
Unit dimensions (H x W x D)			mm	286 x 575 x 575							
Machine weight			kg	17.5							
Piping connections	Liquid (flare)		mm	ø6.4							
	Gas (flare)		mm	ø9.5		ø12.7		ø9.5		ø12.7	
	Drain		mm	VP20 (External Dia. 26/Internal Dia. 20)							
Heat insulation				Both liquid and gas pipes							
Panel (option)	Model			BYFQ60B8W1							
	Colour			White							
	Dimensions (H x W x D)		mm	55 x 700 x 700							
	Weight		kg	2.7							

Note: * Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

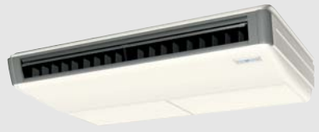
Ceiling-mounted built-in type



			Cooling only		Heat pump	
Model name			**FBQ60BV1**	**FBQ71BV1**	**FBQ60BV1**	**FBQ71BV1**
Power supply			1 phase, 220-240 V, 50 Hz			
Airflow rate (H)	Cooling	ℓ/s (cfm)	283 (600)	317 (670)	283 (600)	317 (670)
	Heating		—	—	283 (600)	317 (670)
Sound level* (H/L)	Cooling	dB (A)	41/35			
	Heating		—		41/35	
Sound power level (H)	Cooling	dB (A)	60			
	Heating		—		60	
Fan speed			2 steps			
Temperature control			Microcomputer control			
Dimensions (H x W x D)		mm	300 x 1,000 x 800			
Machine weight		kg	41			
Piping connections	Liquid (flare)	mm	ø6.4	ø9.5	ø6.4	ø9.5
	Gas (flare)	mm	ø12.7	ø15.9	ø12.7	ø15.9
	Drain	mm	I.D ø25 x O.D ø32			
Heat insulation			Both liquid and gas pipes			
Panel (option)	Model		BYBS71DJW1			
	Colour		White			
	Dimensions (H x W x D)	mm	55 x 1,100 x 500			
	Weight	kg	4.5			

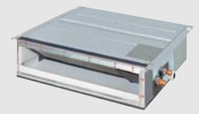
Note: * For 220 V operation.

Ceiling-suspended type



			Cooling only			Heat pump		
Model name			**FHQ35BVV1B**	**FHQ50BVV1B**	**FHQ60BVV1B**	**FHQ35BVV1B**	**FHQ50BVV1B**	**FHQ60BVV1B**
Power supply			1 phase, 220-240 V, 50 Hz					
Front panel colour			White					
Airflow rate (H)	Cooling	ℓ/s (cfm)	217 (458)		283 (600)	217 (458)		283 (600)
	Heating		—	—	—	217 (458)		267 (564)
Sound level (H/L)	Cooling	dB (A)	37/32	38/33	39/33	37/32	38/33	39/33
	Heating		—	—	—	37/32	38/33	39/33
Sound power level (H/L)	Cooling	dB (A)	53/48	54/49	55/49	53/48	54/49	55/49
	Heating		—	—	—	53/48	54/49	55/49
Fan speed			2 steps					
Temperature control			Microcomputer control					
Dimensions (H x W x D)		mm	195 x 960 x 680		195 x 1,160 x 680	195 x 960 x 680		195 x 1,160 x 680
Machine weight		kg	24	25	27	24	25	27
Piping connections	Liquid (flare)	mm	ø6.4					
	Gas (flare)	mm	ø9.5	ø12.7		ø9.5	ø12.7	
	Drain	mm	VP 20 (External Dia. 26/Internal Dia. 20)					
Heat insulation			Both liquid and gas pipes					

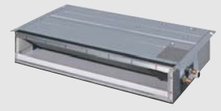
Duct-connected type 〈700 mm width〉



			Cooling only		Heat pump	
Model name			**CDKS25EAVMA**	**CDKS35EAVMA**	**CDXS25EAVMA**	**CDXS35EAVMA**
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz			
Airflow rate (H)	Cooling	ℓ/s (cfm)	145 (307)			
	Heating		—		145 (307)	
Sound level* (H/L/SL)	Cooling	dB (A)	35/31/29			
	Heating		—		35/31/29	
Sound power level (H)	Cooling	dB (A)	53			
	Heating		—		53	
Fan speed			5 steps, quiet and automatic			
Temperature control			Microcomputer control			
Dimensions (H x W x D)		mm	200 x 700 x 620			
Machine weight		kg	21			
Piping connections	Liquid (flare)	mm	ø6.4			
	Gas (flare)	mm	ø9.5			
	Drain	mm	VP 20 (External Dia. 26/Internal Dia. 20)			
Heat insulation			Both liquid and gas pipes			
External static pressure		Pa	30			

Note: * The operation sound level values represent those for rear-suction operation and an external static pressure of 30 Pa. Sound level values for bottom-suction operation can be obtained by adding 6 dB (A).

Duct-connected type 〈900/1,100 mm width〉



			Cooling only				Heat pump			
Model name			**CDKS25CVMA**	**CDKS35CVMA**	**CDKS50CVMA**	**CDKS60CVMA**	**FDXS25CVMA**	**FDXS35CVMA**	**FDXS50CVMA**	**FDXS60CVMA**
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz							
Airflow rate (H)	Cooling	ℓ/s (cfm)	158 (335)	167 (353)	200 (424)	267 (565)	158 (335)	167 (353)	200 (424)	267 (565)
	Heating		—	—	—	—	158 (335)	167 (353)	200 (424)	267 (565)
Sound level* (H/L/SL)	Cooling	dB (A)	35/31/29		37/33/31	38/34/32	35/31/29		37/33/31	38/34/32
	Heating		—		—	—	35/31/29		37/33/31	38/34/32
Sound power level (H)	Cooling	dB (A)	53		55	56	53		55	56
	Heating		—		—	—	53		55	56
Fan speed			5 steps, quiet and automatic							
Temperature control			Microcomputer control							
Dimensions (H x W x D)		mm	200 x 900 x 620			200 x 1,100 x 620	200 x 900 x 620			200 x 1,100 x 620
Machine weight		kg	25		27	30	25		27	30
Piping connections	Liquid (flare)	mm	ø6.4							
	Gas (flare)	mm	ø9.5		ø12.7		**ø9.5**		ø12.7	
	Drain	mm	VP 20 (External Dia. 26/Internal Dia. 20)							
Heat insulation			Both liquid and gas pipes							
External static pressure		Pa	40							

Note: * The operation sound level values represent those for rear-suction operation and an external static pressure of 40 Pa. Sound level values for bottom-suction operation can be obtained by adding 5 dB (A).

Wall-mounted type

			Cooling only			Heat pump		
Model name			**FTKS20KVMA**	**FTKS25KVMA**	**FTKS35KVMA**	**FTXS20KVMA**	**FTXS25KVMA**	**FTXS35KVMA**
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour			White					
Airflow rate (H)	Cooling	ℓ/s (cfm)	161 (343)		188 (399)	161 (343)		188 (399)
	Heating		—		—	175 (371)		191 (406)
Sound level (H/L/SL)	Cooling	dB (A)	38/25/22		42/26/23	38/25/22		42/26/23
	Heating		—		—	39/28/25		42/29/26
Sound power level (H)	Cooling	dB (A)	54		58	54		58
	Heating		—		—	55		58
Fan speed			5 steps, quiet and automatic					
Temperature control			Microcomputer control					
Dimensions (H x W x D)		mm	295 x 800 x 215					
Machine weight		kg	9		10	9		10
Piping connections	Liquid (flare)	mm	ø6.4					
	Gas (flare)	mm	ø9.5					
	Drain	mm	I.D. ø14.0/O.D. ø18.0					
Heat insulation			Both liquid and gas pipes					

Wall-mounted type

			Cooling only			Heat pump		
Model name			**FTKS50KAVMA**	**FTKS60KAVMA**	**FTKS71KAVMA**	**FTXS50KAVMA**	**FTXS60KAVMA**	**FTXS71KAVMA**
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour			White					
Airflow rate (H)	Cooling	ℓ/s (cfm)	245 (519)	270 (572)	290 (614)	245 (519)	270 (572)	290 (614)
	Heating		—	—	—	270 (572)	290 (614)	358 (759)
Sound level (H/L/SL)	Cooling	dB (A)	44/35/32	45/36/33	46/37/34	44/35/32	45/36/33	46/37/34
	Heating		—	—	—	42/33/30	44/35/32	46/37/34
Sound power level (H)	Cooling	dB (A)	60	61	62	60	61	62
	Heating		—	—	—	58	60	62
Fan speed			5 steps, quiet and automatic					
Temperature control			Microcomputer control					
Dimensions (H x W x D)		mm	290 x 1,050 x 250					
Machine weight		kg	12					
Piping connections	Liquid (flare)	mm	ø6.4					
	Gas (flare)	mm	ø12.7		ø15.9	ø12.7		ø15.9
	Drain	mm	ø18.0					
Heat insulation			Both liquid and gas pipes					

Floor-standing type

			Heat pump		
Model name			**FVXS25KV1A**	**FVXS35KV1A**	**FVXS50KV1A**
Power supply			1 phase, 220-240 V, 50 Hz		
Front panel colour			White		
Airflow rate (H)	Cooling	ℓ/s (cfm)	137 (290)	142 (300)	178 (378)
	Heating		147 (311)	157 (332)	197 (417)
Sound level (H/L/SL)	Cooling	dB (A)	38/26/23	39/27/24	44/36/32
	Heating		38/26/23	39/27/24	45/36/32
Sound power level (H)	Cooling	dB (A)	47	48	53
	Heating		47	48	54
Fan speed			5 steps, quiet and automatic		
Temperature control			Microcomputer control		
Unit dimensions (H x W x D)		mm	600 x 700 x 210		
Machine weight		kg	14		
Piping connections	Liquid (flare)	mm	ø6.4		
	Gas (flare)	mm	ø9.5		ø12.7
	Drain	mm	ø20.0		
Heat insulation			Both liquid and gas pipes		

Floor/Ceiling-suspended dual type

			Heat pump			
Model name			**FLXS25BVMA**	**FLXS35GVMA**	**FLXS50GVMA**	**FLXS60GVMA**
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz			
Front panel colour			Almond white			
Airflow rate (H)	Cooling	ℓ/s (cfm)	126 (268)	143 (304)	190 (402)	200 (424)
	Heating		153 (325)	163 (346)	202 (427)	213 (452)
Sound level (H/L/SL)	Cooling	dB (A)	37/31/28	38/32/29	47/39/36	48/41/39
	Heating		37/31/29	39/33/30	46/35/33	47/37/34
Sound power level (H)	Cooling	dB (A)	53	54	63	64
	Heating		53	55	62	63
Fan speed			5 steps, quiet and automatic			
Temperature control			Microcomputer control			
Dimensions (H x W x D)		mm	490 x 1,050 x 200			
Machine weight		kg	16		17	
Piping connections	Liquid (flare)	mm	ø6.4			
	Gas (flare)	mm	ø9.5		ø12.7	
	Drain	mm	ø18.0			
Heat insulation			Both liquid and gas pipes			

BP unit

3 ports

2 ports

				3 ports (connectable to 1-3 indoor units)	2 ports (connectable to 1-2 indoor units)
Model name				**BPMKS967A3**	**BPMKS967A2**
Power supply				1 phase, 220-240 V/220-230 V, 50/60 Hz	
Power consumption			W	10	
Running current			A	0.05	
Dimensions (H x W x D)			mm	180 x 294 (+356*) x 350	
Machine weight			kg	8	7.5
Number of wiring connections				3 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 4 for interunit wiring (BP-indoor unit)	
Piping connections (Brazing)	Liquid	Main	mm	ø9.5 x 1	
		Branch	mm	ø6.4 x 3	ø6.4 x 2
	Gas	Main	mm	ø19.1 x 1	
		Branch	mm	ø15.9 x 3	ø15.9 x 2
Heat insulation				Both liquid and gas pipes	
Connectable indoor units				2.0 kW class to 7.1 kW class	
Min. rated capacity of connectable indoor units			kW	2.0	
Max. rated capacity of connectable indoor units			kW	20.8	14.2

Note: * Total auxiliary piping length.

Options

Outdoor unit

No.	Item	RMKS112LV1A	RMKS140LV1A	RMKS160LV1A	RMXS112LV1A	RMXS140LV1A	RMXS160LV1A
1	Central drain plug	KKPJ5F180					
2	Air direction adjustment grille	KPW945A4					

Indoor unit

Ceiling-mounted cassette (multi flow) type

No.	Item			FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE
1	Decoration panel			BYC125K-W1			
2	Panel spacer			KDBP55H160WA			
3	Fresh air intake kit	Chamber type	Without T-shaped pipe and fan*1	KDDP55D160			
			With T-shaped pipe, without fan*2	KDDP55D160K			
		Direct installation type*3		KDDJ55X160			
4	High-efficiency filter	(Colourimetric method 65%)		KAFP556D80			
		(Colourimetric method 90%)		KAFP557D80			
5	Replacement high-efficiency filter	(Colourimetric method 65%)		KAFP552H80			
		(Colourimetric method 90%)		KAFP553H80			
6	High-efficiency filter chamber			KDDF55DA160			
7	Longlife filter			KAF551KA160			
8	Branch duct chamber			KDJ55K80			
9	Remote controller	Wired type		BRC1C61			
		Wireless type	Heat pump use	BRC7C612W			
			Cooling only use	BRC7C613W			
10	Group control adaptor*4			KRP4AA53			
11	Wiring adaptor for electrical appendices*4			KRP1BA57			
12	Installation box for adaptor PCB			KRP1B98			

Notes:
*1. With a suction chamber. Fresh air intake is from 2 holes on the sides of the connection chamber. (This method should be selected if a wireless remote controller is used.)
*2. Without a suction chamber. Fresh air intake is from 2 holes on the connection chamber via a T-shaped pipe connection. (A wireless remote controller cannot be used in this case.)
*3. Without a suction chamber. Fresh air intake is directly from a hole on the main unit.
*4. Installation box for adaptor PCB (KRP1B98) is necessary.

Ceiling-mounted cassette (compact multi flow) type

No.	Item			FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
1	Decoration panel			BYFQ60B8W1			
2	Remote controller	Wired type*1		BRC1C61			
		Wireless type	Heat pump use	BRC7E530W			
			Cooling only use	BRC7E531W			
3	Adaptor for wiring*2			KRP1BA57			
4	Wiring adaptor for electrical appendices*2			KRP4AA53			
5	Installation box for adaptor PCB			KRP1BA101			
6	Remote sensor (for indoor temperature)			KRCS01-1B			
7	Replacement long-life filter			KAFQ441BA60			
8	Fresh air intake kit	Direct installation type		KDDQ44XA60			
9	Sealing member of air discharge outlet			KDBH44BA60			
10	Panel spacer			KDBQ44BA60A			

Notes:
*1. Wiring for wired remote controller should be obtained locally.
*2. Installation box for adaptor PCB (KRP1BA101) is necessary.

Ceiling-mounted built-in type

No.	Item		FBQ60BV1	FBQ71BV1
1	Decoration panel		BYBS71DJW1	
2	Service access panel		KTBJ25L80W	
3	High-efficiency filter	(Colourimetric method 65%)	KAF252LA80	
		(Colourimetric method 90%)	KAF253LA80	
4	Replacement long-life filter	Resin net	KAFJ251K80	
5	Filter chamber for bottom suction		KAJ25LA80D	
6	Filter chamber for rear suction		KAJ25LA80B	
7	Canvas duct		KSA-25KA80	
8	Discharge grille	ø150	K-DG5DW	
		ø200	K-DG9DW	
9	Discharge chamber	ø150	K-DGC5D	
		ø200	K-DGC9D	
10	Branch duct	ø150 → ø200	K-DDV20A	
11	Flexible duct	ø150	K-FDS151C(1m)/K-FDS152C(2m)/K-FDS153C(3m)/K-FDS154C(4m)/K-FDS155C(5m)/K-FDS156C(6m)	
		ø200	K-FDS201C(1m)/K-FDS202C(2m)/K-FDS203C(3m)/K-FDS204C(4m)/K-FDS205C(5m)/K-FDS206C(6m)	
12	Blind board		KBBJ25KA80	
13	Adaptor for discharge		KDAJ25K71	
14	Flange for suction		KDJ2507K80	
15	Remote controller	Wired type	BRC1C61	
16	Adaptor for wiring (Interlock for fresh air intake fan)		KRP1BA54	
17	Group control adaptor		KRP4AA51	

Ceiling-suspended type

No.	Item			FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
1	Replacement long-life filter			KAF501DA56		KAFJ501DA80
2	Drain up kit			FDU50M60VE		
3	L-type piping kit (For upward direction)			KHFP5MA35	KHFP5MA63	
4	Remote controller	Wired type		BRC1C61		
		Wireless type	Heat pump use	BRC7EA63W		
			Cooling only use	BRC7EA66		
5	Adaptor for wiring			KRP1BA54		
6	Wiring adaptor for electrical appendices*			KRP4AA52		
7	Installation box for adaptor PCB			KRP1CA93		

Note: * Installation box for adaptor PCB (KRP1CA93) is necessary.

Duct-connected type

No.	Item		CDKS25EAVMA CDXS25EAVMA	CDKS35EAVMA CDXS35EAVMA	CDKS25CVMA FDXS25CVMA	CDKS35CVMA FDXS35CVMA	CDKS50CVMA FDXS50CVMA	CDKS60CVMA FDXS60CVMA
1	Wired remote controller*1		BRC944B2					
2	Wired remote controller cord	Length 3 m (shielded wire)	BRCW901A03					
		Length 8 m (shielded wire)	BRCW901A08					
3	5-room centralised controller*2		KRC72					
4	Wiring adaptor for time clock/remote controller*3 (Normal open pulse contact/normal open contact)		KRP413AB1S					
5	Wireless remote controller loss prevention chain		KKF917A4					
6	Suction grille		KDGF19A45					
7	Insulation kit for high humidity		KDT25N32		KDT25N50			KDT25N63

Notes:
*1. 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
*2. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*3. Time clock and other devices should be obtained locally.

Wall-mounted type

No.	Item		FTKS20KVMA FTXS20KVMA	FTKS25KVMA FTXS25KVMA	FTKS35KVMA FTXS35KVMA	FTKS50KAVMA FTXS50KAVMA	FTKS60KAVMA FTXS60KAVMA	FTKS71KAVMA FTXS71KAVMA
1	Wired remote controller*1		BRC944B2					
2	Wired remote controller cord	Length 3 m (shielded wire)	BRCW901A03					
		Length 8 m (shielded wire)	BRCW901A08					
3	5-room centralised controller*2		KRC72					
4	Wiring adaptor for time clock/remote controller*3 (Normal open pulse contact/normal open contact)		KRP413AB1S					
5	Titanium apatite photocatalytic air-purifying filter*4		KAF970A46					
6	Wireless remote controller loss prevention chain		KKF910A4					

Notes:
*1. 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
*2. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*3. Time clock and other devices should be obtained locally.
*4. Filter is a standard accessory. It should be replaced approximately every 3 years.

Floor-standing type

No.	Item	FVXS25KV1A	FVXS35KV1A	FVXS50KV1A
1	5-room centralised controller*1	KRC72		
2	Wiring adaptor for time clock/remote controller*2 (Normal open pulse contact/normal open contact)	KRP413AB1S		
3	Titanium apatite photocatalytic air-purifying filter*3	KAF968A42		
4	Remote controller loss prevention chain	KKF910A4		

Notes:
*1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*2. Time clock and other devices should be obtained locally.
*3. Filter is a standard accessory. It should be replaced approximately every 3 years.

Floor/ceiling-suspended dual type

No.	Item	FLXS25BVMA	FLXS35GVMA	FLXS50GVMA	FLXS60GVMA
1	5-room centralised controller*1	KRC72			
2	Wiring adaptor for time clock/remote controller*2 (Normal open pulse contact/normal open contact)	KRP413AB1S			
3	Photocatalytic deodorising filter with frame*3	KAZ917B41			
4	Photocatalytic deodorising filter without frame*3	KAZ917B42			
5	Air-purifying filter with frame*4	KAF925B41			
6	Air-purifying filter without frame*4	KAF925B42			
7	Remote controller loss prevention chain	KKF917A4			

Notes:
*1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*2. Time clock and other devices should be obtained locally.
*3. The photocatalytic deodorising filter is a standard accessory. It can be reused indefinitely if it is exposed to direct sunlight once every 6 months. This accessory is only required if the original filter is damaged or lost, etc.
*4. The air-purifying filter is a standard accessory. It should be replaced approximately once every 3 months. This accessory is required for the replacement of filters.

BP unit

No.	Item	BPMKS967A2	BPMKS967A3
1	REFNET joint	KHRP26A22T	

Note:
A single BP unit does not require a REFNET joint. 2 BP units require only 1 REFNET joint, and 3 BP units require only 2 REFNET joints.

Control system

No.	Item		Model No.
1	Central remote controller*		DCS302CA61
2	Unified on/off controller*		DCS301BA61
3	Schedule timer*		DST301BA61
4	Interface adaptor (For DIII-NET use)	FTK(X)S-K/KA, FVXS-K, FLXS-B/G, CDK(X)S-EA, CDKS-C, FDXS-C	KRP928BB2S
		FCQ-B, FFQ-B, FBQ-B, FHQ-B	DTA112BA51

Note:
* An interface adaptor (KRP928BB2S or DTA112BA51) is also required for each indoor unit.

Selection Procedure

Outdoor unit RMK(X)S160L

Number of indoor units

2 to **9** units

Total indoor unit capacity

8.0 to **20.8** kW

Number of BP units

1 to **3** units

Number of REFNET joints

Number of BP units		
	1	**Unnecessary**
	2	**KHRP26A22T x 1**
	3	**KHRP26A22T x 2**

Indoor unit	FTK(X)S-K/KA, FVXS-K, FLXS-B/G, CDK(X)S-EA, CDKS-C, FDXS-C, FCQ-B, FFQ-B, FBQ-B, FHQ-B					
model name	20	25	35	50	60	71
Rated capacity (kW)	2.0	2.5	3.5	5.0	6.0	7.1

Capacity Tables

Cooling capacity

RMK(X)S112LV1A

Total indoor unit capacity (kW)	Cooling capacity (kW)	Power consumption (kW)
5.5	5.6	1.39
5.6	5.6	1.42
5.7	5.8	1.44
5.8	5.9	1.46
5.9	5.9	1.49
6.0	6.0	1.51
6.1	6.1	1.53
6.2	6.2	1.56
6.3	6.3	1.58
6.4	6.4	1.60
6.5	6.5	1.63
6.6	6.6	1.65
6.7	6.7	1.68
6.8	6.8	1.70
6.9	6.9	1.72
7.0	7.0	1.75
7.1	7.1	1.77
7.2	7.2	1.80
7.3	7.3	1.82
7.4	7.4	1.85
7.5	7.5	1.87
7.6	7.6	1.90
7.7	7.7	1.92
7.8	7.8	1.95
7.9	7.9	1.97
8.0	8.0	2.00
8.1	8.1	2.02
8.2	8.2	2.05
8.3	8.3	2.08
8.4	8.4	2.10
8.5	8.5	2.13
8.6	8.6	2.15
8.7	8.7	2.18
8.8	8.8	2.21
8.9	8.9	2.23
9.0	9.0	2.26
9.1	9.1	2.29
9.2	9.2	2.31
9.3	9.3	2.34
9.4	9.4	2.37
9.5	9.5	2.39
9.6	9.6	2.42
9.7	9.7	2.45
9.8	9.8	2.48
9.9	9.9	2.50
10.0	10.0	2.53
10.1	10.1	2.56
10.2	10.2	2.59
10.3	10.3	2.61
10.4	10.4	2.64
10.5	10.5	2.67
10.6	10.6	2.70
10.7	10.7	2.73
10.8	10.8	2.76
10.9	10.9	2.78
11.0	11.0	2.81
11.1	11.1	2.84
11.2	11.2	2.88
11.3	11.3	2.91
11.4	11.4	2.97

Total indoor unit capacity (kW)	Cooling capacity (kW)	Power consumption (kW)
11.5	11.5	3.03
11.6	11.6	3.09
11.7	11.7	3.14
11.8	11.8	3.20
11.9	11.9	3.25
12.0	12.0	3.30
12.1	12.1	3.35
12.2	12.2	3.40
12.3	12.3	3.44
12.4	12.4	3.48
12.5	12.4	3.52
12.6	12.5	3.56
12.7	12.5	3.60
12.8	12.6	3.63
12.9	12.6	3.66
13.0	12.7	3.69
13.1	12.7	3.72
13.2	12.8	3.74
13.3	12.8	3.77
13.4	12.9	3.79
13.5	12.9	3.81
13.6	13.0	3.83
13.7	13.0	3.84
13.8	13.0	3.85
13.9	13.0	3.87
14.0	13.1	3.88
14.1	13.1	3.88
14.2	13.1	3.89
14.3	13.1	3.89
14.4	13.1	3.89
14.5	13.1	3.89

RMK(X)S140LV1A

Total indoor unit capacity (kW)	Cooling capacity (kW)	Power consumption (kW)
7.0	7.0	1.86
7.1	7.1	1.89
7.2	7.2	1.92
7.3	7.3	1.95
7.4	7.4	1.98
7.5	7.5	2.01
7.6	7.6	2.04
7.7	7.7	2.08
7.8	7.8	2.11
7.9	7.9	2.14
8.0	8.0	2.17
8.1	8.1	2.20
8.2	8.2	2.23
8.3	8.3	2.26
8.4	8.4	2.29
8.5	8.5	2.32
8.6	8.6	2.35
8.7	8.7	2.38
8.8	8.8	2.41
8.9	8.9	2.44
9.0	9.0	2.47
9.1	9.1	2.50
9.2	9.2	2.53
9.3	9.3	2.56
9.4	9.4	2.59
9.5	9.5	2.62
9.6	9.6	2.65
9.7	9.7	2.68
9.8	9.8	2.71
9.9	9.9	2.75
10.0	10.0	2.78
10.1	10.1	2.81
10.2	10.2	2.84
10.3	10.3	2.87
10.4	10.4	2.90
10.5	10.5	2.93
10.6	10.6	2.96
10.7	10.7	2.99
10.8	10.8	3.02
10.9	10.9	3.05
11.0	11.0	3.08
11.1	11.1	3.11
11.2	11.2	3.14
11.3	11.3	3.17
11.4	11.4	3.20
11.5	11.5	3.23
11.6	11.6	3.26
11.7	11.7	3.29
11.8	11.8	3.32
11.9	11.9	3.35
12.0	12.0	3.38
12.1	12.1	3.42
12.2	12.2	3.45
12.3	12.3	3.48
12.4	12.4	3.51
12.5	12.5	3.54
12.6	12.6	3.57
12.7	12.7	3.60
12.8	12.8	3.63
12.9	12.9	3.66

Total indoor unit capacity (kW)	Cooling capacity (kW)	Power consumption (kW)
13.0	13.0	3.69
13.1	13.1	3.72
13.2	13.2	3.75
13.3	13.3	3.78
13.4	13.4	3.81
13.5	13.5	3.84
13.6	13.6	3.87
13.7	13.7	3.90
13.8	13.8	3.93
13.9	13.9	3.96
14.0	14.0	3.99
14.1	14.1	4.03
14.2	14.2	4.04
14.3	14.2	4.06
14.4	14.3	4.08
14.5	14.3	4.09
14.6	14.4	4.11
14.7	14.4	4.12
14.8	14.5	4.14
14.9	14.5	4.15
15.0	14.6	4.17
15.1	14.6	4.18
15.2	14.7	4.20
15.3	14.7	4.21
15.4	14.8	4.23
15.5	14.8	4.25
15.6	14.8	4.26
15.7	14.9	4.28
15.8	14.9	4.29
15.9	14.9	4.31
16.0	15.0	4.32
16.1	15.0	4.34
16.2	15.0	4.35
16.3	15.0	4.37
16.4	15.1	4.39
16.5	15.1	4.40
16.6	15.1	4.42
16.7	15.1	4.43
16.8	15.1	4.45
16.9	15.2	4.46
17.0	15.2	4.48
17.1	15.2	4.49
17.2	15.2	4.51
17.3	15.2	4.53
17.4	15.2	4.54
17.5	15.2	4.56
17.6	15.2	4.57
17.7	15.3	4.59
17.8	15.3	4.60
17.9	15.3	4.62
18.0	15.3	4.63
18.1	15.3	4.65
18.2	15.3	4.67

Cooling capacity

RMK(X)S160LV1A

Total indoor unit capacity (kW)	Cooling capacity (kW)	Power consumption (kW)
8.0	7.8	1.99
8.1	7.9	2.03
8.2	8.0	2.06
8.3	8.1	2.10
8.4	8.2	2.13
8.5	8.3	2.17
8.6	8.4	2.20
8.7	8.5	2.23
8.8	8.6	2.27
8.9	8.7	2.30
9.0	8.8	2.34
9.1	8.9	2.37
9.2	9.0	2.41
9.3	9.1	2.44
9.4	9.2	2.47
9.5	9.3	2.51
9.6	9.3	2.54
9.7	9.4	2.58
9.8	9.5	2.61
9.9	9.6	2.65
10.0	9.7	2.68
10.1	9.8	2.71
10.2	9.9	2.75
10.3	10.0	2.78
10.4	10.1	2.82
10.5	10.2	2.85
10.6	10.3	2.89
10.7	10.4	2.92
10.8	10.5	2.95
10.9	10.6	2.99
11.0	10.7	3.02
11.1	10.8	3.06
11.2	10.9	3.09
11.3	11.0	3.13
11.4	11.1	3.16
11.5	11.2	3.20
11.6	11.3	3.23
11.7	11.3	3.26
11.8	11.4	3.30
11.9	11.5	3.33
12.0	11.6	3.37
12.1	11.7	3.40
12.2	11.8	3.44
12.3	11.9	3.47
12.4	12.0	3.50
12.5	12.1	3.54
12.6	12.2	3.57
12.7	12.3	3.61
12.8	12.4	3.64
12.9	12.5	3.68
13.0	12.6	3.71
13.1	12.7	3.74
13.2	12.8	3.78
13.3	12.9	3.81
13.4	13.0	3.85

Total indoor unit capacity (kW)	Cooling capacity (kW)	Power consumption (kW)
13.5	13.1	3.88
13.6	13.2	3.92
13.7	13.2	3.95
13.8	13.3	3.98
13.9	13.4	4.02
14.0	13.5	4.05
14.1	13.6	4.09
14.2	13.7	4.12
14.3	13.8	4.16
14.4	13.9	4.19
14.5	14.0	4.22
14.6	14.1	4.26
14.7	14.2	4.29
14.8	14.3	4.33
14.9	14.4	4.36
15.0	14.5	4.40
15.1	14.6	4.43
15.2	14.7	4.46
15.3	14.8	4.50
15.4	14.9	4.53
15.5	15.0	4.57
15.6	15.1	4.60
15.7	15.2	4.64
15.8	15.3	4.67
15.9	15.4	4.71
16.0	15.5	4.75
16.1	15.5	4.77
16.2	15.6	4.79
16.3	15.6	4.80
16.4	15.6	4.81
16.5	15.6	4.82
16.6	15.6	4.83
16.7	15.6	4.84
16.8	15.7	4.86
16.9	15.7	4.87
17.0	15.7	4.88
17.1	15.7	4.89
17.2	15.7	4.90
17.3	15.7	4.91
17.4	15.8	4.92
17.5	15.8	4.94
17.6	15.8	4.95
17.7	15.8	4.96
17.8	15.8	4.97
17.9	15.8	4.98
18.0	15.9	4.99
18.1	15.9	5.00
18.2	15.9	5.01
18.3	15.9	5.02
18.4	15.9	5.03
18.5	15.9	5.04
18.6	16.0	5.05
18.7	16.0	5.06
18.8	16.0	5.07
18.9	16.0	5.08

Total indoor unit capacity (kW)	Cooling capacity (kW)	Power consumption (kW)
19.0	16.0	5.09
19.1	16.1	5.10
19.2	16.1	5.11
19.3	16.1	5.12
19.4	16.1	5.13
19.5	16.1	5.14
19.6	16.1	5.15
19.7	16.2	5.16
19.8	16.2	5.17
19.9	16.2	5.18
20.0	16.2	5.19
20.1	16.2	5.20
20.2	16.2	5.21
20.3	16.3	5.22
20.4	16.3	5.23
20.5	16.3	5.24
20.6	16.3	5.25
20.7	16.3	5.26
20.8	16.4	5.27

Note:
Cooling operation data is based on the following conditions: indoor temp. 27˚CDB, 19˚CWB; outdoor temp. 35˚CDB.
The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant. Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.

Capacity Tables

Heating capacity

RMXS112LV1A

Total indoor unit capacity (kW)	Heating capacity (kW)	Power consumption (kW)
5.5	6.7	1.58
5.6	6.8	1.60
5.7	6.9	1.62
5.8	7.0	1.64
5.9	7.1	1.66
6.0	7.2	1.68
6.1	7.3	1.70
6.2	7.4	1.72
6.3	7.5	1.74
6.4	7.6	1.76
6.5	7.7	1.78
6.6	7.8	1.80
6.7	7.9	1.82
6.8	8.0	1.84
6.9	8.1	1.86
7.0	8.2	1.88
7.1	8.3	1.90
7.2	8.4	1.92
7.3	8.5	1.94
7.4	8.6	1.96
7.5	8.7	1.98
7.6	8.8	2.00
7.7	8.9	2.02
7.8	9.0	2.04
7.9	9.1	2.06
8.0	9.2	2.08
8.1	9.3	2.11
8.2	9.4	2.13
8.3	9.5	2.15
8.4	9.6	2.17
8.5	9.7	2.19
8.6	9.8	2.21
8.7	9.9	2.23
8.8	10.0	2.25
8.9	10.1	2.27
9.0	10.2	2.29
9.1	10.3	2.31
9.2	10.4	2.33
9.3	10.5	2.35
9.4	10.6	2.37
9.5	10.7	2.39
9.6	10.8	2.41
9.7	10.9	2.43
9.8	11.0	2.45
9.9	11.1	2.47
10.0	11.2	2.49
10.1	11.3	2.51
10.2	11.4	2.53
10.3	11.5	2.55
10.4	11.6	2.57
10.5	11.7	2.59
10.6	11.8	2.61
10.7	11.9	2.63
10.8	12.0	2.65
10.9	12.2	2.67
11.0	12.3	2.69
11.1	12.4	2.72
11.2	12.5	2.74
11.3	12.6	2.77
11.4	12.7	2.80
11.5	12.8	2.84
11.6	12.9	2.87
11.7	13.0	2.90
11.8	13.1	2.93
11.9	13.2	2.95
12.0	13.3	2.98
12.1	13.4	3.01
12.2	13.5	3.03
12.3	13.5	3.05
12.4	13.6	3.07
12.5	13.6	3.09
12.6	13.6	3.11
12.7	13.6	3.13
12.8	13.6	3.14
12.9	13.6	3.16
13.0	13.6	3.17
13.1	13.7	3.18
13.2	13.7	3.19
13.3	13.7	3.20
13.4	13.7	3.21
13.5	13.7	3.22
13.6	13.7	3.22
13.7	13.7	3.23
13.8	13.7	3.23
13.9	13.8	3.23
14.0	13.8	3.23
14.1	13.8	3.23
14.2	13.8	3.23
14.3	13.8	3.23
14.4	13.8	3.22
14.5	13.9	3.21

RMXS140LV1A

Total indoor unit capacity (kW)	Heating capacity (kW)	Power consumption (kW)
7.0	8.5	2.07
7.1	8.5	2.09
7.2	8.6	2.11
7.3	8.7	2.13
7.4	8.8	2.15
7.5	8.9	2.18
7.6	9.0	2.20
7.7	9.2	2.22
7.8	9.3	2.24
7.9	9.4	2.26
8.0	9.5	2.28
8.1	9.6	2.30
8.2	9.7	2.32
8.3	9.8	2.35
8.4	10.0	2.37
8.5	10.0	2.39
8.6	10.1	2.41
8.7	10.2	2.43
8.8	10.3	2.45
8.9	10.4	2.47
9.0	10.6	2.50
9.1	10.7	2.52
9.2	10.8	2.54
9.3	10.9	2.56
9.4	11.0	2.58
9.5	11.1	2.60
9.6	11.2	2.62
9.7	11.3	2.64
9.8	11.5	2.67
9.9	11.6	2.69
10.0	11.7	2.71
10.1	11.8	2.73
10.2	11.9	2.75
10.3	12.0	2.77
10.4	12.1	2.79
10.5	12.2	2.82
10.6	12.3	2.84
10.7	12.4	2.86
10.8	12.5	2.88
10.9	12.6	2.90
11.0	12.7	2.92
11.1	12.8	2.94
11.2	13.0	2.96
11.3	13.1	2.99
11.4	13.2	3.01
11.5	13.3	3.03
11.6	13.4	3.05
11.7	13.5	3.07
11.8	13.6	3.09
11.9	13.7	3.11
12.0	13.8	3.14
12.1	13.9	3.16
12.2	14.0	3.18
12.3	14.1	3.20
12.4	14.2	3.22
12.5	14.3	3.24
12.6	14.5	3.26
12.7	14.6	3.29
12.8	14.7	3.31
12.9	14.8	3.33
13.0	14.9	3.35
13.1	15.0	3.37
13.2	15.1	3.39
13.3	15.2	3.41
13.4	15.3	3.43
13.5	15.4	3.46
13.6	15.5	3.48
13.7	15.6	3.50
13.8	15.7	3.52
13.9	15.8	3.54
14.0	16.0	3.65
14.1	16.1	3.66
14.2	16.1	3.67
14.3	16.1	3.67
14.4	16.1	3.68
14.5	16.1	3.69
14.6	16.1	3.69
14.7	16.2	3.70
14.8	16.2	3.71
14.9	16.2	3.71
15.0	16.2	3.72
15.1	16.2	3.72
15.2	16.3	3.73
15.3	16.3	3.74
15.4	16.3	3.74
15.5	16.3	3.75
15.6	16.3	3.76
15.7	16.4	3.76
15.8	16.4	3.77
15.9	16.4	3.78
16.0	16.4	3.78
16.1	16.4	3.79
16.2	16.4	3.80
16.3	16.5	3.80
16.4	16.5	3.81
16.5	16.5	3.82
16.6	16.5	3.82
16.7	16.5	3.83
16.8	16.6	3.84
16.9	16.6	3.84
17.0	16.6	3.85
17.1	16.6	3.86
17.2	16.6	3.86
17.3	16.6	3.87
17.4	16.7	3.88
17.5	16.7	3.88
17.6	16.7	3.89
17.7	16.7	3.89
17.8	16.7	3.90
17.9	16.8	3.91
18.0	16.8	3.91
18.1	16.8	3.92
18.2	16.8	3.93

Heating capacity

RMXS160LV1A

Total indoor unit capacity (kW)	Heating capacity (kW)	Power consumption (kW)
8.0	9.3	2.21
8.1	9.4	2.23
8.2	9.5	2.26
8.3	9.6	2.29
8.4	9.7	2.31
8.5	9.8	2.34
8.6	9.9	2.36
8.7	10.0	2.39
8.8	10.1	2.42
8.9	10.2	2.44
9.0	10.3	2.47
9.1	10.4	2.49
9.2	10.5	2.52
9.3	10.6	2.55
9.4	10.7	2.57
9.5	10.8	2.60
9.6	10.9	2.62
9.7	11.0	2.65
9.8	11.1	2.68
9.9	11.2	2.70
10.0	11.3	2.73
10.1	11.4	2.75
10.2	11.5	2.78
10.3	11.6	2.81
10.4	11.7	2.83
10.5	11.8	2.86
10.6	11.9	2.88
10.7	12.0	2.91
10.8	12.1	2.94
10.9	12.2	2.96
11.0	12.3	2.99
11.1	12.4	3.01
11.2	12.5	3.04
11.3	12.7	3.07
11.4	12.8	3.09
11.5	12.9	3.12
11.6	13.0	3.14
11.7	13.1	3.17
11.8	13.2	3.20
11.9	13.3	3.22
12.0	13.4	3.25
12.1	13.5	3.27
12.2	13.6	3.30
12.3	13.7	3.33
12.4	13.8	3.35
12.5	13.9	3.38
12.6	14.0	3.40
12.7	14.1	3.43
12.8	14.2	3.46
12.9	14.3	3.48
13.0	14.4	3.51
13.1	14.5	3.53
13.2	14.6	3.56
13.3	14.7	3.59
13.4	14.8	3.61
13.5	14.9	3.64
13.6	15.0	3.66
13.7	15.1	3.69
13.8	15.2	3.72
13.9	15.3	3.74
14.0	15.4	3.77
14.1	15.5	3.80
14.2	15.6	3.82
14.3	15.7	3.85
14.4	15.8	3.87
14.5	15.9	3.90
14.6	16.0	3.93
14.7	16.1	3.95
14.8	16.2	3.98
14.9	16.3	4.00
15.0	16.4	4.03
15.1	16.5	4.06
15.2	16.6	4.08
15.3	16.7	4.11
15.4	16.8	4.13
15.5	16.9	4.16
15.6	17.1	4.19
15.7	17.2	4.21
15.8	17.3	4.24
15.9	17.4	4.26
16.0	17.5	4.28
16.1	17.5	4.31
16.2	17.5	4.31
16.3	17.5	4.31
16.4	17.5	4.31
16.5	17.5	4.31
16.6	17.5	4.32
16.7	17.5	4.32
16.8	17.5	4.32
16.9	17.5	4.32
17.0	17.5	4.32
17.1	17.6	4.32
17.2	17.6	4.33
17.3	17.6	4.33
17.4	17.6	4.33
17.5	17.6	4.33
17.6	17.6	4.33
17.7	17.6	4.33
17.8	17.6	4.33
17.9	17.6	4.34
18.0	17.6	4.34
18.1	17.6	4.34
18.2	17.6	4.34
18.3	17.6	4.34
18.4	17.6	4.34
18.5	17.6	4.34
18.6	17.6	4.35
18.7	17.6	4.35
18.8	17.6	4.35
18.9	17.6	4.35
19.0	17.6	4.35
19.1	17.6	4.35
19.2	17.6	4.36
19.3	17.6	4.36
19.4	17.6	4.36
19.5	17.6	4.36
19.6	17.6	4.36
19.7	17.6	4.36
19.8	17.6	4.36
19.9	17.6	4.37
20.0	17.7	4.37
20.1	17.7	4.37
20.2	17.7	4.37
20.3	17.7	4.37
20.4	17.7	4.37
20.5	17.7	4.38
20.6	17.7	4.38
20.7	17.7	4.38
20.8	17.7	4.38

Note:
Heating operation data is based on the following conditions: indoor temp. 20˚CDB; outdoor temp. 7˚CDB, 6˚CWB.
The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant. Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.