

4-WAY BLOW CEILING MOUNTED CASSETTE (600X600mm)

Daikin air conditioners for shops, restaurants and offices



FFQ-B



indoor unit FFQ25,35,50,60B



| | | |
|--------------------------------------|---------------------------------|--------------------------------|
| infrared remote control (optional) | wired remote control (optional) | centralised control (optional) |
| auto restart | dry programme | ceiling prevention |
| automatic cooling/heating changeover | fan only | auto swing |
| air filter | drain pump (standard) | fan speed 2 steps |
| self diagnosis | timer | multi model application |
| twin/triple double twin | whisper quiet | energy efficiency |

Compact and slim

- Leaves maximum floor and wall space free for furniture, decoration and fittings
- New and extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules
- Modern style decoration panel in white
- The indoor unit is extremely quiet in operation : as low as 24.5 dB(A) !
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Excellent low draught characteristics
- Automatic air flow director ensures uniform air flow and temperature distribution

Easy to install

- Since the switch box is located inside the unit, it is easy to install and maintain the cassette in any ceiling type or pattern. Furthermore the switch box can be reached by simply removing the suction grill; therefore maintenance can be done very easily.
- Up to 4 indoor units can be connected to a single Multi outdoor unit. All indoor units can be individually controlled with remote control and do not need to be installed in the same room
- These indoor units can also be connected to the super inverter RZQ-B.
- Outdoor units can be easily mounted on a roof or terrace or placed against an outside wall



outdoor unit RKS/RXS35B

Easy control at your fingertips

- The wired remote control has following features:
 - A real time clock
 - A schedule timer:
 - Possibility to program a weekly schedule timer
 - Possibility to program 5 actions for each day of the week
 - Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF.
 - Limit operation (min./max.): room temperature is controlled within adjustable upper and lower limits. This can be activated manually or by schedule timer.
- Remote ON/OFF, forced OFF:
 - Remote ON/OFF: e.g. your air conditioning can be started/stopped from a mobile phone via a telephone remote control (field supply).
 - Forced OFF: e.g. air conditioning is switched off automatically if a window is opened.



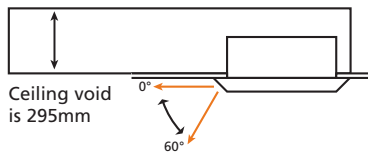


*Maximum comfort
with whisper quiet
multi blow air
distribution
throughout the room*

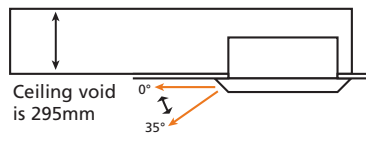
Comfortable air flow

- **Auto swing:**

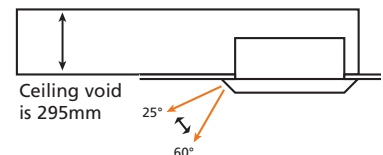
Vertical auto swing moves the discharge flaps up and down to distribute air effectively throughout the room. Since the flaps can move to a zero deg. position, virtually no draught can be experienced.



Standard setting:
Auto swing between 0deg to 60deg



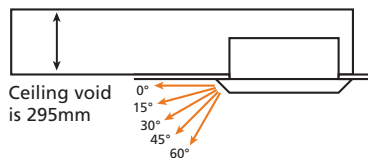
Draught prevention:
Auto swing between 0deg and 35deg



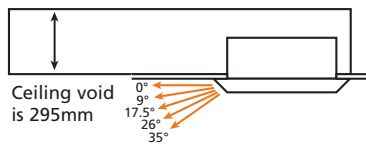
Ceiling soiling prevention:
Auto swing between 25deg and 60deg

- **5 different air flow patterns:**

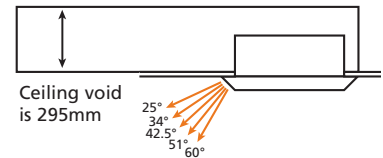
Any one of five air flow patterns can be freely selected between 0deg. and 60deg. and will then be maintained during the operational cycle of the air conditioner.



Standard setting:
Up to 5 different patterns can be set
between 0deg and 60deg



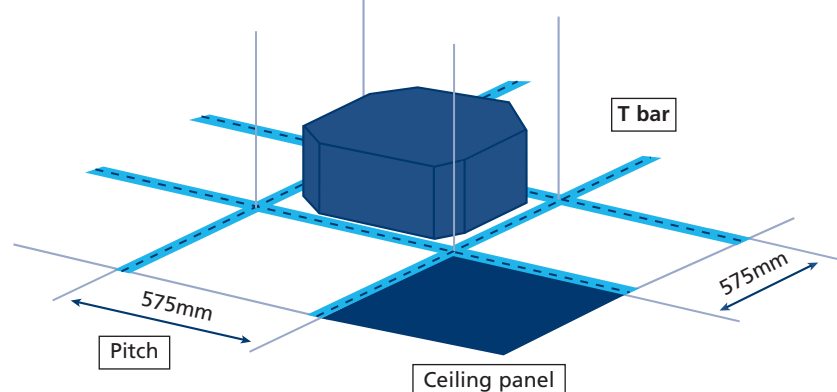
Draught prevention:
Up to 5 different patterns can be set
between 0deg and 35deg



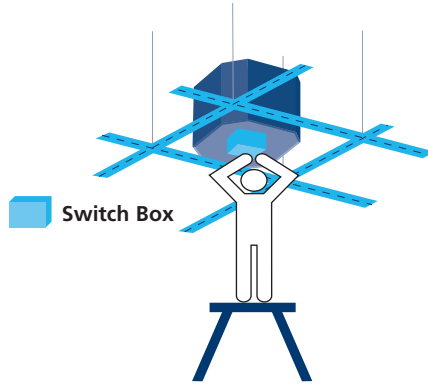
Ceiling soiling prevention:
Up to 5 different patterns can be set
between 25deg and 60deg

Easy installation and maintenance

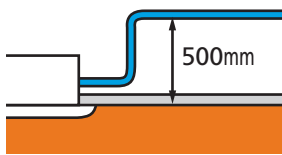
- Due to its compact casing, the unit fits flush into standard ceiling tiles – thus no ceiling tile cutting is necessary. The cassette blends unobtrusively into the ceiling.



- Since the switch box is located within the unit, it is easy to access from below for maintenance without removing ceiling tiles. Furthermore the switch box can be reached by simply removing the suction grill; therefore maintenance can be done very easily.

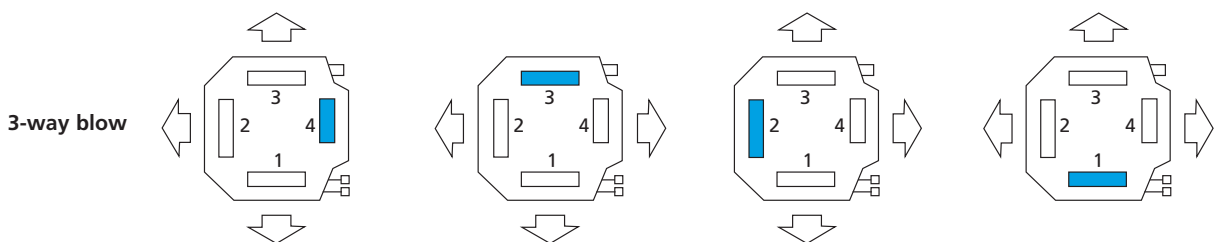
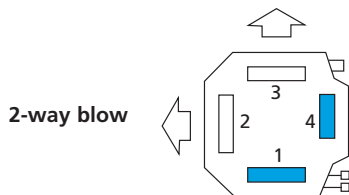


- The unit is provided with a standard 500mm lift drain pump.



Multi flow system

Air flow rates and directions can be selected to suit varying room shapes with 2, 3 or 4-way blow air distribution. For 2-way or 3-way blow installation, the sealing component on the air discharge outlet (optional) must be used to close off the unused outlet(s).



Very silent in operation

The unit is very silent in operation as indicated by the sound pressure levels given in table below :

| | High | Low |
|--------|------------|------------|
| FFQ25B | 29.5 dB(A) | 24.5 dB(A) |
| FFQ35B | 32 dB(A) | 25 dB(A) |
| FFQ50B | 36 dB(A) | 27 dB(A) |
| FFQ60B | 41 dB(A) | 32 dB(A) |

Capacity and power input

| COOLING ONLY (air cooled) | INDOOR UNITS | | FFQ25BV1B | FFQ35BV1B | FFQ50BV1B | FFQ60BV1B | FFQ50BV1B | FFQ60BV1B |
|-----------------------------------|---------------|-----|----------------|----------------|----------------|----------------|-------------|-------------|
| | OUTDOOR UNITS | | RKS25BVMB | RKS35BVMB | RKS50BVMB9 | RKS60BVMB9 | RS50BVMB | RS60BVMB |
| Nominal capacity (min.-nom.-max.) | cooling | kW | 1.00~2.50~3.00 | 1.00~3.40~3.70 | 0.90~4.70~5.60 | 0.90~5.80~6.00 | 4.70 (nom.) | 5.80 (nom.) |
| Nominal input (min.-nom.-max.) | cooling | kW | 0.48~0.83~1.10 | 0.48~1.30~1.47 | 0.45~1.80~2.26 | 0.45~2.07~2.15 | 1.80 (nom.) | 2.07 (nom.) |
| EER | | | 3.01 | 2.62 | 2.61 | 2.80 | 2.61 | 2.80 |
| Energy label | cooling | | B | D | D | D | D | D |
| Annual energy consumption | cooling | kWh | 415 | 650 | 900 | 1,035 | 900 | 1,035 |
| HEAT PUMP (air cooled) | INDOOR UNITS | | FFQ25BV1B | FFQ35BV1B | FFQ50BV1B | FFQ60BV1B | | |
| | OUTDOOR UNITS | | RXS25BVMB | RXS35BVMB | RXS50BVMB | RXS60BVMB | | |
| Nominal capacity (min.-nom.-max.) | cooling | kW | 1.00~2.50~3.00 | 1.00~3.40~3.70 | 0.90~4.70~5.60 | 0.90~5.80~6.00 | | |
| | heating | kW | 1.00~3.20~4.50 | 1.00~4.50~5.00 | 0.90~5.50~7.00 | 0.90~7.00~8.00 | | |
| Nominal input (min.-nom.-max.) | cooling | kW | 0.48~0.83~1.10 | 0.48~1.30~1.47 | 0.45~1.80~2.26 | 0.45~2.07~2.15 | | |
| | heating | kW | 0.40~0.94~1.75 | 0.44~1.60~1.80 | 0.45~1.96~2.78 | 0.45~2.49~2.92 | | |
| EER | | | 3.01 | 2.62 | 2.61 | 2.80 | | |
| COP | | | 3.40 | 2.81 | 2.81 | 2.81 | | |
| Energy label | cooling | | B | D | D | D | | |
| | heating | | C | D | D | D | | |
| Annual energy consumption | cooling | kWh | 415 | 650 | 900 | 1,035 | | |

Notes:

- 1) Energy label : scale from A (most efficient) to G (less efficient).
- 2) The Energy Label Directive 2002/31/EC will enter into force once the relevant measurement standard will be published in the European Official Standard.
- 3) Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions)

| MULTI - COOLING ONLY | Max. n° of indoor units | Max. cooling capacities (kW) | Max. PI cooling (kW) | | |
|----------------------|-------------------------|------------------------------|----------------------|------------------------------|----------------------|
| 4MKS58BVMB | 4 | 6.60 | 2.22 | | |
| 4MKS75BVMB | 4 | 9.47 | 3.52 | | |
| 4MKS90BVMB | 4 | 9.40 | 3.35 | | |
| MULTI - HEAT PUMP | Max. n° of indoor units | Max. cooling capacities (kW) | Max. PI cooling (kW) | Max. heating capacities (kW) | Max. PI heating (kW) |
| 3MXS52BVMB* | 3 | 6.50 | 2.42 | 7.34 | 2.44 |
| 4MXS68BVMB* | 4 | 8.67 | 3.47 | 10.64 | 3.07 |
| 4MXS80BVMB* | 4 | 9.45 | 3.04 | 11.00 | 3.04 |

Notes:

- For more detailed information about capacities, power input, energy labelling and annual energy consumption, please refer to our Multi Model catalogue or check with your local dealer.
- * At least 2 indoor units should be connected to a Multi outdoor unit.

| TWIN/TRIPLE/ DOUBLE TWIN APPLICATION | FFQ35BV1B | FFQ50BV1B | FFQ60BV1B |
|---|-----------|-----------|-----------|
| RZQ71B7V3B | 2 | | |
| RZQ100B7V3B | 3 | 2 | |
| RZQ125B7V3B | 4 | 3 | 2 |

FFQ25,35,50,60BV1



Specifications indoor units

| COOLING ONLY / HEAT PUMP | | | FFQ25BV1B | FFQ35BV1B | FFQ50BV1B | FFQ60BV1B |
|----------------------------|------------------|---------------------------|------------------|-----------|-----------|-----------|
| Dimensions (HxWxD) | unit | mm | 286x575x575 | | | |
| | decoration panel | mm | 55x700x700 | | | |
| Weight | unit | kg | 17.5 | | | |
| | decoration panel | kg | 2.7 | | | |
| Colour | decoration panel | | White (RAL 9010) | | | |
| Air flow rate (H/L) | cooling-heating | m³/min | 9/6.5 | 10/6.5 | 12/8 | 15/10 |
| Fan speed | | | 2 steps | | | |
| Sound pressure level (H/L) | cooling-heating | dB(A) | 29.5/24.5 | 32/25 | 36/27 | 41/32 |
| Sound power level (H) | cooling-heating | dB(A) | 46.5 | 49 | 53 | 58 |
| Piping connections | liquid | mm | ø6.4 | | | |
| | gas | mm | ø9.5 | | | |
| | drain (VP25) | ID mm | ø20 | | | |
| | | OD mm | ø26 | | | |
| Heat insulation | | Both liquid and gas pipes | | | | |

Accessories: control systems

| INDOOR UNITS | 25 | 35 | 50 | 60 |
|--|--------------|----|-----------|----|
| Wired remote control | | | BRC1D527 | |
| Infrared remote control | | | BRC7E531W | |
| | cooling only | | BRC7E530W | |
| | heat pump | | | |
| Centralised remote control | | | DCS302C51 | |
| Unified ON/OFF control | | | DCS301B51 | |
| Schedule timer | | | DST301B51 | |
| Adapter for wiring (1) | | | KRP1B57 | |
| Adapter for external ON/OFF and monitoring (1) | | | KRP4A53 | |
| Adapter for wiring (hour meter) (2) | | | EKRP1B2 | |
| Remote sensor | | | KRCS01-1 | |
| Installation box for adapter PCB | | | KRP1B101 | |
| Interface adapter for Sky Air | | | DTA112B51 | |
| Remote ON/OFF, forced OFF | | | EKRORO | |

(1) Installation box for adapter PCB (KRP1B101) is necessary.

(2) Possibility to connect an hour meter (field supply). This part should not be installed inside the equipment.

Optional accessories

| INDOOR UNITS | 25 | 35 | 50 | 60 |
|--|----|--------------------------|------------|----|
| Decoration panel | | | BYFQ60BW1 | |
| long-life filter | | | KAFQ441B60 | |
| Fresh air intake kit | | direct installation type | KDDQ44X60 | |
| Sealing member of air discharge outlet | | | KDBHQ44B60 | |
| Panel spacer | | | KDBQ44B60 | |

Specifications outdoor units



| COOLING ONLY | | | RKS25BVMB | RKS35BVMB | RKS50BVMB9 | RKS60BVMB9 | RS50BVMB | RS60BVMB |
|----------------------------|---------|--------------|--------------------------------------|-----------|--------------|------------|------------------------|----------|
| Dimensions | HxWxD | mm | 560x695x265 | | 735x825x300 | | 735x825x300 | |
| Weight | | kg | 37 | | 49 | 53 | 49 | 53 |
| Casing colour | | | Ivory white | | | | Ivory white | |
| Sound pressure level (H/L) | cooling | dB(A) | 46/43 | 46/43 | 47/- | 49/- | 47/- | 49/- |
| Sound power level (H) | cooling | dB(A) | 59 | 59 | 63 | 64 | 63 | 64 |
| Compressor | | | hermetically sealed swing type | | | | Swing compressor | |
| Refrigerant type | | | R-410A | | | | R-410A | |
| Refrigerant charge | | g/m | 20 (for piping length exceeding 10m) | | | | 20 (piping length>10m) | |
| Maximum piping length | | m | 25 | 25 | 30 | | 30 | |
| Maximum level difference | | m | 15 | 15 | 20 | | 20 | |
| Standard operation range | cooling | from~to °CDB | -10~46 | -10~46 | -10(-15*)~46 | | +10~46 | |
| HEAT PUMP | | | RXS25BVMB | RXS35BVMB | RXS50BVMB | RXS60BVMB | | |
| Dimensions | HxWxD | mm | 560x695x265 | | 735x825x300 | | | |
| Weight | | kg | 37 | | 49 | 53 | | |
| Casing colour | | | Ivory white | | | | | |
| Sound pressure level (H/L) | cooling | dB(A) | 46/43 | 46/43 | 47/- | 49/- | | |
| | heating | dB(A) | 47/44 | 47/44 | 48/- | 49/- | | |
| Sound power level (H) | cooling | dB(A) | 59 | 59 | 63 | 64 | | |
| | heating | dB(A) | - | - | 64 | | | |
| Compressor | | | Hermetically sealed swing type | | | | | |
| Refrigerant type | | | R-410A | | | | | |
| Refrigerant charge | | g/m | 20 (for piping length exceeding 10m) | | | | | |
| Maximum piping length | | m | 20 | | 30 | | | |
| Maximum level difference | | m | 15 | | 20 | | | |
| Standard operation range | cooling | from~to °CDB | | | | | | |
| | heating | from~to °CWB | | | | | | |

* Possibility to extend the operation range down to -15°C by turning on the switch on the outdoor unit PCB. In this case, the unit will stop operation at -20°C or lower and will recover when temperature rises again.



RZQ71B7V3B



RZQ100-125B7V3B

Specifications outdoor units

| HEAT PUMP | | | RZQ71B7V3B | RZQ100B7V3B | RZQ125B7V3B |
|--|-------------|---------|---------------------------|---------------------------|-------------|
| Dimensions | HxWxD | mm | 770x900x320 | 1,345x900x320 | |
| Weight | | kg | 61 | 106 | |
| Casing colour | Ivory white | | | | |
| Sound pressure level (H) (night quiet mode) | cooling | dB(A) | 47 (43) | 49 (45) | 50 (45) |
| | heating | dB(A) | 49 | 51 | 52 |
| Sound power level (H) | cooling | dB(A) | 63 | 65 | 66 |
| Compressor | | | 2YC63BXD | JT100FCVD | |
| Refrigerant type | | | R-410A | | |
| Refrigerant charge | | g/m | 3.2 (for 30m) | 4.3 (for 30m) | |
| Maximum piping length | | m | 50 (equivalent length 70) | 75 (equivalent length 95) | |
| Minimum piping length | | m | 5 (3m by field setting) | | |
| Maximum level difference | | m | 30 | | |
| Standard operation range | cooling | from~to | °CDB | | |
| | heating | from~to | °CWB | | |
| | | | | -15~50 | -20~15.5 |

Optional accessories

| OUTDOOR UNITS | RKS/RXS25BVMB | RKS/RXS35BVMB | RS/RKS/RXS50BVMB(9) | RS/RKS/RXS60BVMB(9) |
|---------------------------------|---------------|---------------|---------------------|---------------------|
| Air direction adjustment grille | KPW937A4 | | KPW945A4 | |

| OUTDOOR UNITS | RZQ71B7V3B | RZQ100B7V3B | RZQ125B7V3B |
|---------------------------|---|--------------|------------------|
| Central drain plug | KKPJ5F180 | | |
| Refrigerant branch piping | for twin | KHRQ22M20TA7 | |
| | for triple | - | KHRQ127H7 |
| | for double twin | - | KHRQ22M20TA7(x3) |
| Demand adapter kit | remote control of sound reduction and power input | KRP58M51 | |

Notes:

- 1) V1 = 1~, 230V, 50Hz; VM = 1~, 220-240V/220-230V, 50Hz/60Hz; V3 = 1~, 230V, 50Hz
- 2) Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB • refrigerant piping length 7.5m • level difference 0m.
- 3) Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 7.5m • level difference 0m.
- 4) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- 5) Units should be selected on nominal capacity. Max. capacity is limited to peak periods.
- 6) The sound pressure level is measured at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment.
- 7) The sound power level is an absolute value indicating the "power" which a sound source generates.

In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of environmental friendly products. This challenge demands the eco design and development of a wide range of products and an energy management system; which involves energy conservation and reduction of waste.

Daikin products are distributed by:



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



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



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



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

Specifications are subject to change without prior notice.

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