



Multi Series

Inverter Multi-Split System Air Conditioners



MHIAA is proudly sponsoring
Monika's Doggie Rescue

Multi Series

Inverter Multi-Split System Air Conditioners.



The ideal solution for air conditioning multiple rooms



A home typically has many areas such as bedrooms, living spaces and study rooms. Therefore, to provide total comfort for your home, a multi-split system is recommended so each room can have its own air conditioner.

This can be achieved through a Mitsubishi Heavy Industries inverter multi-split system which delivers optimum heating or cooling for everyone, no matter where they are in the home and no matter what size the room may be. Silent, powerful, energy efficient and utilising advanced technologies, a Mitsubishi Heavy Industries inverter multi-split system is the solution for homes with many rooms and occupants.





Compact

A Mitsubishi Heavy Industries inverter multi-split system allows 2 to 6 indoor units to be connected to a single outdoor unit. This allows multiple rooms to be conditioned without adding clutter to the exterior of your home. One compact multi-split outdoor unit instead of many outdoor units not only adds to the ascetic appeal your home but can be imperative when there is not much space available, for example, when installing outdoor units on balconies or verandahs.

Installation Flexibility

With a generous maximum piping length of 70m*, you are given greater freedom to decide where the indoor units will be installed to optimise interior space and convenience. In addition, a maximum height difference of 25m* for the indoor units means the Mitsubishi Heavy Industries inverter multi-split system can easily service the rooms for multi storey homes.

Variety of Indoor Units

The indoor unit range includes wall mounted, floor standing, low static bulkhead or compact cassette types in a wide range of capacities. This makes hundreds of combinations possible for your home. You can choose the right type of indoor unit to complement the interior décor and match the size of each room.

*Please check model specifications as these pipe lengths and height differences do not apply to all models.



Independent Control and Comfort

Each indoor unit comes with its own remote allowing the unit to be independently switched on/off and have the temperature adjusted as needed. The conditions of rooms can vary greatly depending on many variables such as the number of occupants or the way the room is used. With a range of comfort, air flow and convenience functions on each indoor unit, you can adjust the settings to match the requirements of a room without affecting other ones. When a room is unoccupied you can switch off the unit to reduce inefficient energy use.

5 Year Warranty

When you buy a Mitsubishi Heavy Industries inverter multi-split system, you are getting an air conditioning solution from a company that some of the highest quality products in the industry. Mitsubishi Heavy Industries enjoys a reputation for outstanding quality and is highly respected both in the Australian and overseas markets. With our 5 Year Warranty covering the parts, labour and compressor, you can peace of mind that your new Mitsubishi Heavy Industries inverter multi-split system will continue to deliver air-conditioning comfort to your home through the years.




eco touch REMOTE CONTROL


Easy operation

All settings done by **tapping touch screen panel**

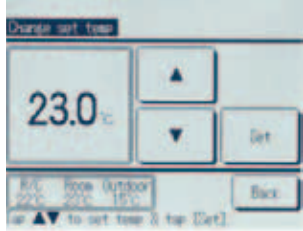
Operation mode setting screen



The operation mode can be selected by simply tapping this button.





Setting temperature screen





You can select the desired temperature by tapping the ▲▼ button.


Operation mode

 Cooling

 Dry

 Auto

 Fan

 Heating

Main functions

Energy management

Peak cut timer • Automatic temperature set back • Weekly timer • Set ON/OFF timer by hour
• Set ON/OFF timer by clock • Fan only operation • Sleep timer

Comfort

Individual flap control • High power operation • External ventilation ON/OFF • Warm up operation • Automatic fan speed • Temperature increment setting by 0.5°C

Convenience

LCD contrast setting • Back light setting • Filter clean sign • Control sound • Outdoor silent mode • Summer time setting • Home leave mode • Indoor & outdoor temperature display • Heating standby display • Defrosting operation display • Auto cooling/heating display • °C/°F display • Administrator settings • Room name setting

Service

Error code display • Operation data display • Next service data display • Contact company display • USB connection (mini-B)

Functions.

Filter



Allergen Clear Filter

The filter breaks down the pollen, lice, and all allergens that live on cat skins, etc. and deactivates them.



Photocatalytic Washable Deodorizing Filter

It keeps air fresh by deodorizing the molecules causing odor. The deodorizing ability can be easily restored simply by cleaning and exposing the filter to the sunlight.



Natural Enzyme Filter

Enzymes used in the filter are naturally occurring lytic enzymes which attack cell walls of microorganisms trapped on the filter and destroy them.



See details on page 2.

Comfortable Functions



Fuzzy Auto Mode

Automatically the unit determines its operating mode and temperature setting based on a fuzzy calculation and adjusts the inverter frequency.



Automatic Operation

The air conditioner automatically selects from heating, cooling or dry operation.



"HI POWER" Operation

The unit can operate continuously in HI POWER mode for 15 minutes. This mode is used to reach the desired temperature quickly.



Three "Hot" System

'Hot start' enables the unit to begin heating operation quickly. 'Hot spurt' is a fast heating system that works to increase the temperature setting by two degrees. 'Hot keep' is used during the automatic defrost cycle to prevent cool air being circulated. These three operational control systems help ensure comfortable and efficient heating.

Comfortable Air Flow Functions



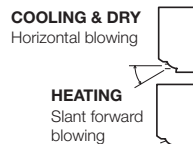
3D Auto

You can choose the best heating or cooling pattern with the touch of a button.



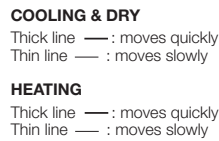
Auto Flap Mode

The unit automatically selects the optimal angle whatever the operation mode.



Air Scroll

The swing of the flap causes the air flow to spiral and the breeze to reach all corners of the room.



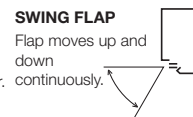
Memory Flap

While the flap is swinging it can be stopped at any angle. The flap returns to this position next time the unit starts.



Up/Down Flap Swing

The Up/Down flap can be adjusted to the preferred angle anywhere between horizontal and perpendicular.



Lateral Swing

The louver swings from right to left automatically. Louver angle can be fixed in any desired position.



Air Outlet Selection

Both lower and upper air outlets and upper air outlet can be selected. (SRF models only)



Positioning of Installation

You can set the left-right air flow directions when you install the air conditioner near the side wall by remote controller operation.

Convenience & Economy Functions



On Timer

This enables the operation to start a little earlier so that the room is near to the set temperature at ON time.



Economy Mode

The unit achieves effective energy saving operation while still keeping a comfortable cooling or heating operation.



Dry Operation

The unit dehumidifies the room by intermittent cooling operation.



24-hour On/Off Programmable Timer

By combining a start timer with a stop timer you can register two timer operations a day. Once set timers will start or stop the system at the specified time of the day repeatedly.



Off Timer

The unit stops at the specified time.



Sleep Mode

The room temperature is automatically controlled during the set sleep mode period ensuring that the room temperature will not get too hot or cold.

Maintenance & Prevention Functions



Microcomputer-Operated Defrosting

This function automatically eliminates frost and helps minimize excessive operation in other modes.



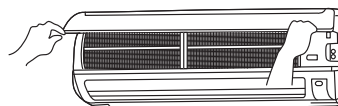
Self-Diagnostic Function

If the air conditioner malfunctions an internal microcomputer runs a self diagnosis. Inspection and repair should be performed by authorized dealers.



Detachable Indoor Air Inlet Panel

The air inlet panel on the indoor unit opens and closes easily making filter cleaning simple. The suction panel can be easily removed.



When removing the air inlet panel for internal cleaning or other reasons, open the grill by 65 degrees and then pull it to the side.

Others



Back-up Switch

On the indoor unit there is a back up on/off switch. The system will operate in the previous mode.



Auto Restart Function

Power blackout auto restart function records the operational status of the air conditioner immediately prior to being switched off by a power supply interruption. The unit automatically resumes operations in the mode and temperature set point after the power has been restored.



24-hour ION

The air conditioner body has a tourmaline coated sheet. Negative ions (2,500 -3,000/cc) are generated when the air conditioner is not running, allowing you to experience them without incurring any electrical cost.



Luminous Button

With wireless "Luminous" remote controls that even "glow in the dark", it is possible to operate all desired functions of the unit with the click of a button.

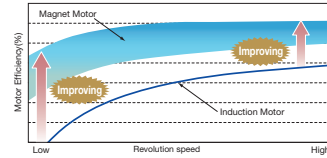
High Efficiency.

DC PAM inverter

An inverter system has a number of advantages over a constant speed system. Its variable speed compressor outputs can ensure quick cooling or heating after start up and attains a set temperature more quickly. The air conditioner can slow down the compressor speed to save energy whilst keeping comfortable conditions. The compressor is DC motor driven so it provides superior performance.



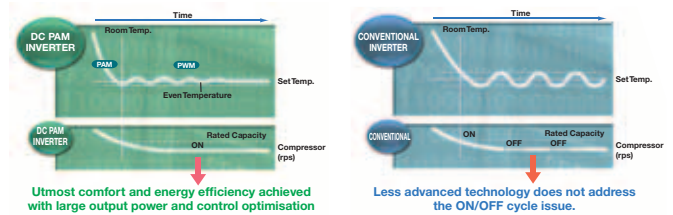
DC compressor motor



New inverter control (Vector control)

New Inverter Control has applied the new advanced technology of Vector control enabling:-

- Smooth operation from low to high speed
- Smooth Sine Voltage Wave form is achieved
- Energy efficiency has improved in low speed range



Advanced Technology.

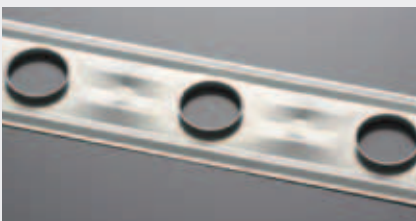
Silicon-coated PCB

The printed circuit board of the outdoor unit is coated by silicon. The coating ensures longevity of the board in humid conditions.



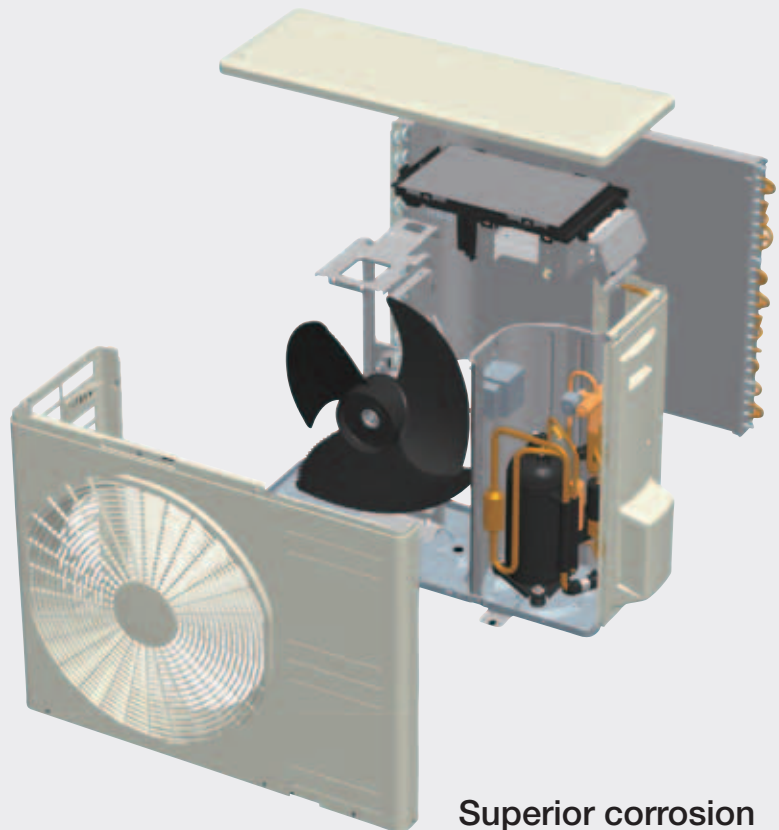
Propeller fan

The new propeller fan was carefully matched with a fan motor in order to keep the same capacity as that of previous models with less electrical consumption.



Outdoor unit

Redesigned by changing the fin configuration from flat sheet to new M shape fin, efficiency has been improved. An optimum balance of heat transfer and air flow has been achieved.



Superior corrosion resistance

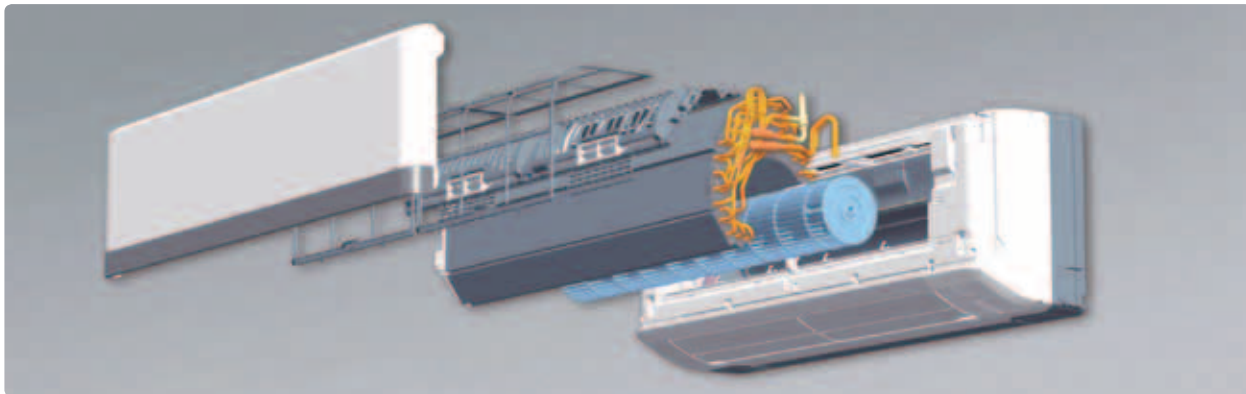
The base of the outdoor unit is hot dipped to provide superior corrosion and scratch resistance.



Advanced Technology.

Anti-microbial indoor fan

Anti-microbial specifications and design will deliver cleanliness and safety

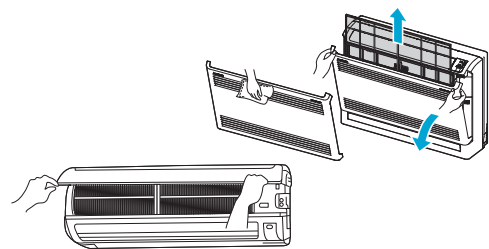


Anti-microbial treatment

The indoor fan has undergone anti-microbial treatment to resist growth of mould and germs. Mould creating odours which can occur when an air conditioner is not in operation are prevented.

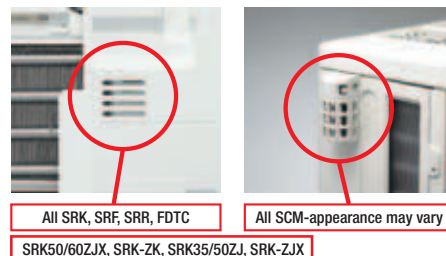
Washable filter and easy cleaning of the air inlet panel

Removing the air filter is quite easy. Keeping the air filter clean is an effective way to save energy and keep the original powerful performance of your unit. The air inlet panel is also removable and can be cleaned easily.



Three sensors

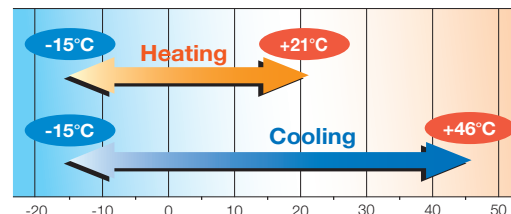
Control of room temperature and humidity is very important for people to live a comfortable life. Use of three sensors to control indoor temperature, indoor humidity and outdoor temperature enable the unit to obtain optimum air-conditioning.



Wide operation range

Heating and cooling operations are possible at an outdoor temperature as low as -15°C

Our advanced technology has improved the heating and cooling operation range. Units can be installed when heating or cooling operation is required at low ambient conditions down to -15°C.



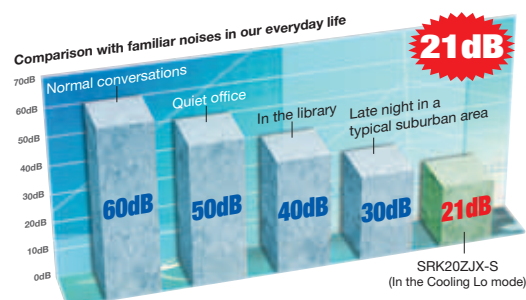
* For the capacities under low temperature conditions, refer to technical manual.

Quiet operation

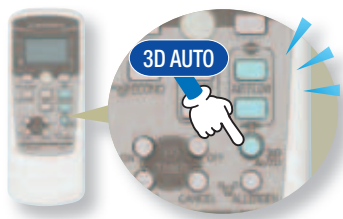
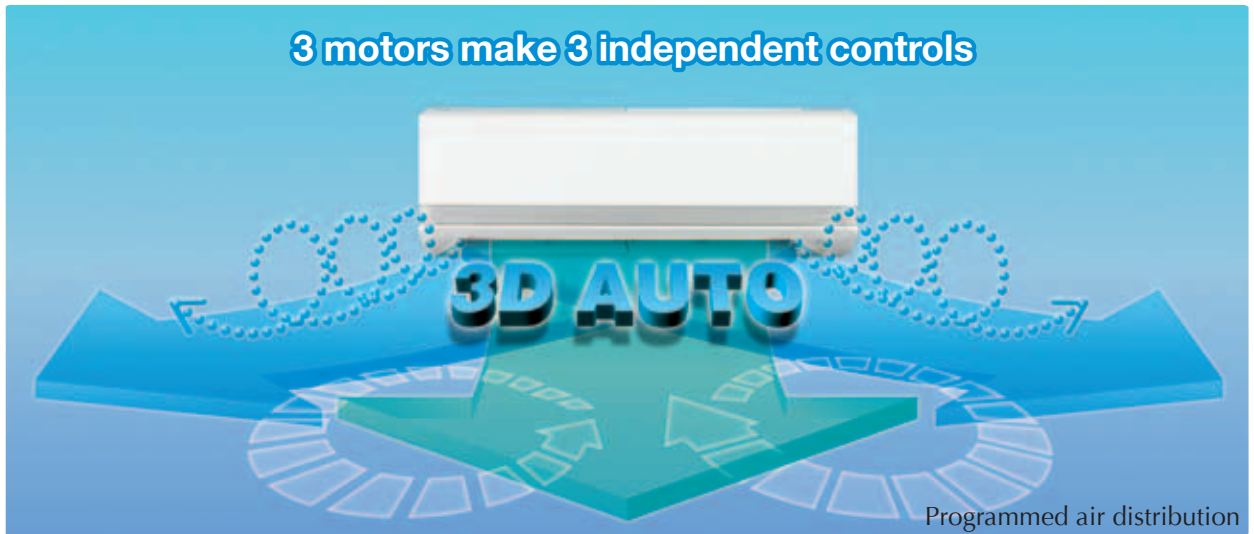
Silent airflow and long reach

The secret of quiet operation

The combination of the jet airflow system and serration stabilizer configuration ensures uniform breeze to every corner of the room. It also makes it possible to lower the operation noise further by minimizing the interaction between airflow and the fan.



3D AUTO Vertical + Horizontal AIR SCROLL.



3D AUTO is a one touch programme. Three motors (one vertical working motor + two horizontal working motors) make three independent air flow controls. The airflow is uniform, quiet and reaches at long distance from the indoor unit.

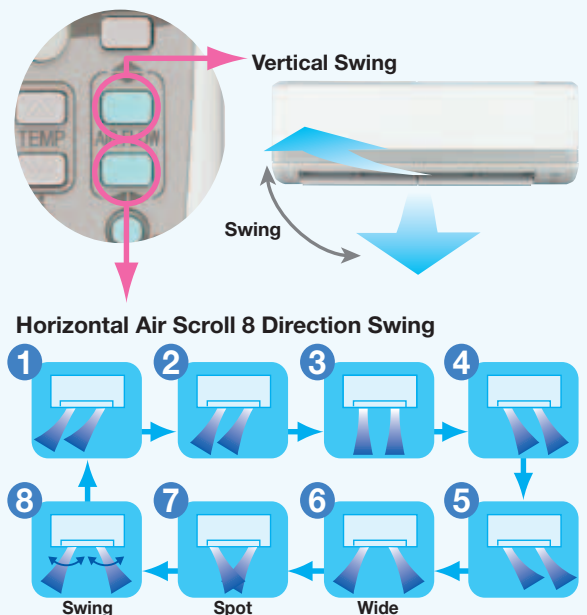
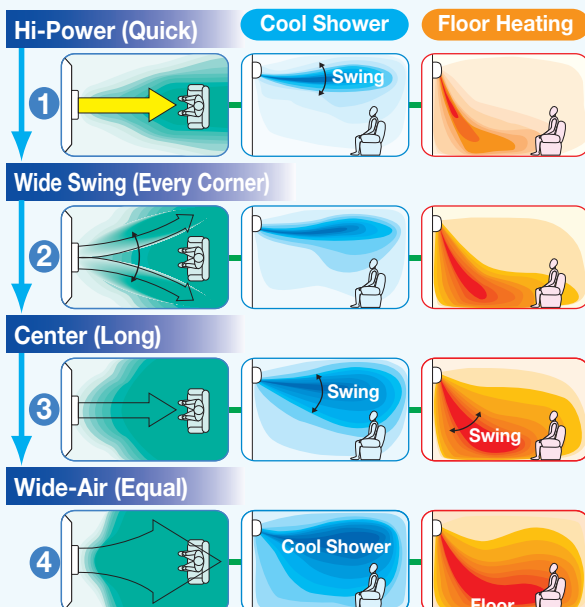
Programmed 3D AUTO

Automatic control of air flow volume and air flow direction enables comfortable air conditioning of the entire room. In cooling operation, cooled air flows directly to the ceiling not directly onto the occupants of the room. The comfort cooled air flow comes down from the ceiling like a soft shower.

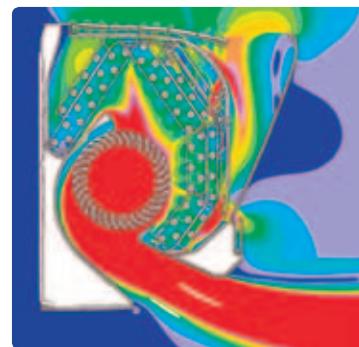
In heating operation, warm air flows to the floor directly and spreads along the floor. The concentration of the warm air at floor level increases comfort.

Manual Setting

Individual control of right and left louver enables air flow direction from the right and the left side of the unit, setting the most preferable air flow direction and determining whether direct air flow is required or not.



Jet air scroll long reach & silent air flow.



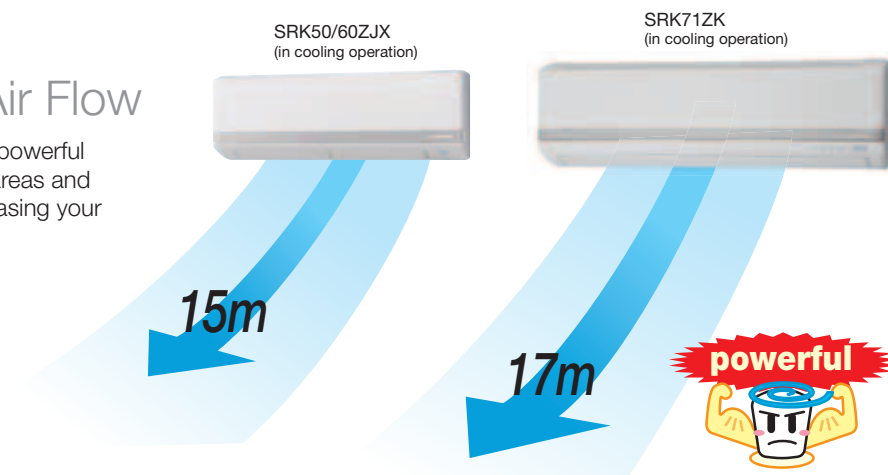
Fast ← → Slow
Colors in the figure show the air speed.

We used the same aerodynamic analysis technology as used in developing jet engines.

CFD (computational fluid dynamics) is used for blade shape design and air channels for jet engines. The same technology has been used in our air conditioners. The airflow of the jets created in this system enables a large volume of air to be blown with a minimum amount of power consumption. The airflow is uniform, quiet and reaches a long distance from the indoor unit.

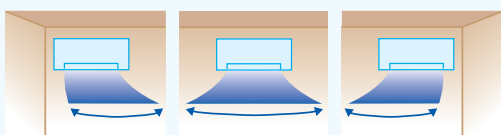
Long Reach Air Flow

The jet technology enables powerful airflow ideal for large living areas and commercial premises, increasing your comfort.



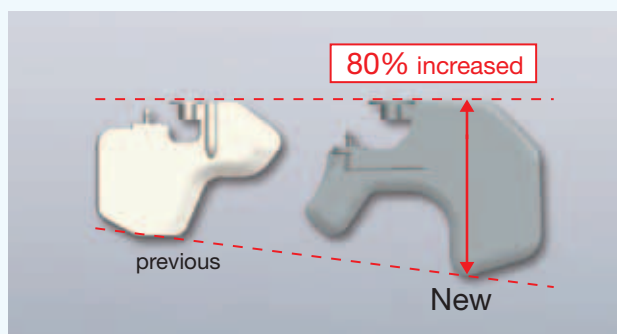
Positioning of Installation

You can set the left-right air flow directions when you install the air conditioner near the side wall by remote controller operation.



New louver

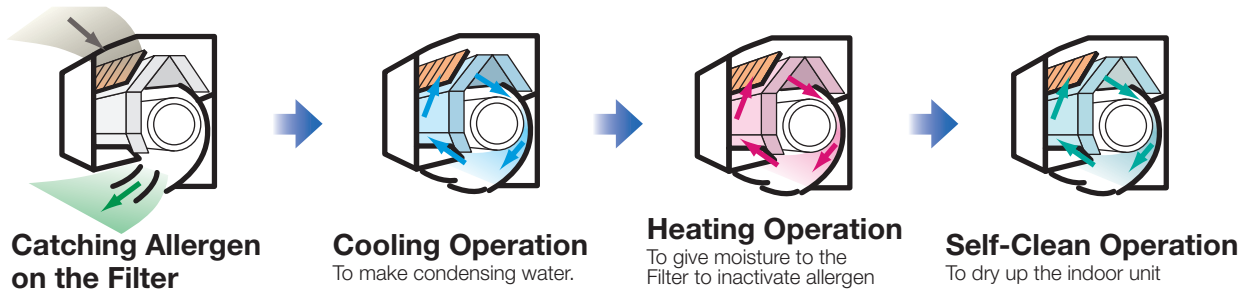

The new louver has a new design and shape. It has increased in surface area by 80%. In addition to improved control of the increased air flow volume, it has improved controllability of the right to left swing function.



Clean Air.

Allergen Clear System


The 'Allergen Clear system' suppresses the influence of the allergen caught by the filter by controlling the temperature and humidity.

Generates the same amount of negative ions as a forest environment

24-hour ION

The air conditioner body has a tourmaline coated sheet. Negative ions (2,500 -3,000/cc) are generated even when the air conditioner is not running, allowing you to experience them without incurring any electrical cost.



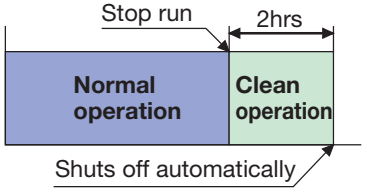
Push ALLERGEN Mode

First in the world
20 of Patent Pending

The air in your room is kept fresh


Allergen clear system

The 'Allergen Clear system' suppresses the influence of the allergen caught by the filter by controlling the temperature and humidity.



Shuts off automatically


After one week without self clean operation



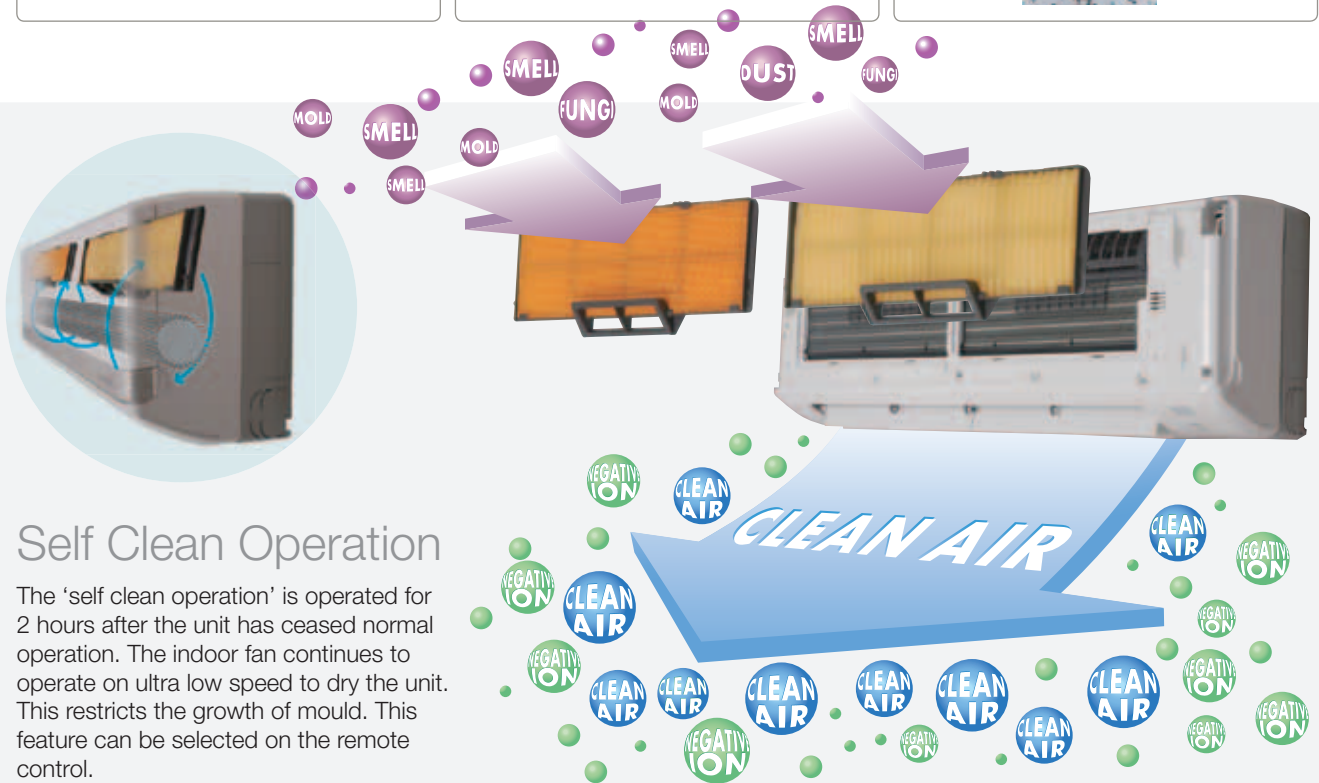
Fungal mycelia

Spore of mold

After one week with self clean operation



Spore of mold



Self Clean Operation

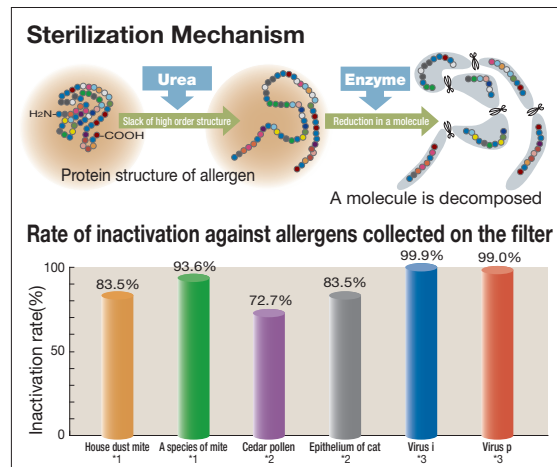
The 'self clean operation' is operated for 2 hours after the unit has ceased normal operation. The indoor fan continues to operate on ultra low speed to dry the unit. This restricts the growth of mould. This feature can be selected on the remote control.

Allergen clear filter

This is the original and only technology to control the temperature and humidity for inactivating allergens

Enzyme + Urea deactivates allergens and kills bacteria

The allergen clear filter deactivates pollen lice and allergens that live on cat skin etc. The deactivation secret is the Enzyme-urea compound. It deactivates not only allergens but some bacteria, moulds and viruses. Even if allergen, mould, virus or bacteria fly off the filter they are deactivated so the air in your room is kept fresh.

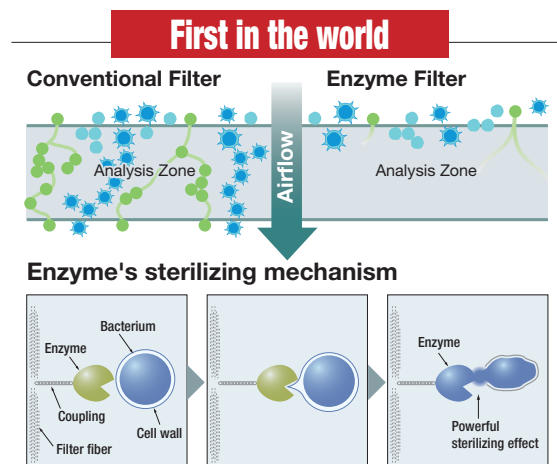


Natural enzyme filter

Helps to destroy fungi and bacteria, also effective on viruses and allergenic compounds (Cat hair, dust mite, pollen etc.)

Enzyme filter

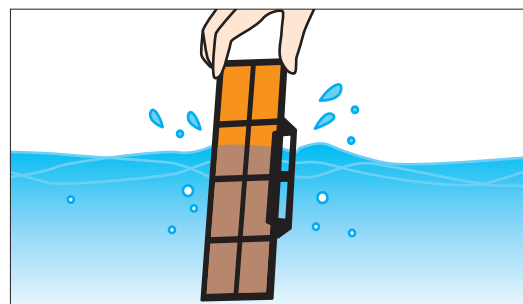
The enzymes used in these filters are naturally occurring lytic enzymes. Lytic enzymes attack cell walls of microorganisms trapped on the filter and destroy them. The Natural Enzyme Filter will clean and sanitize air passing through it.



Photocatalytic washable deodorizing filter

The deodorizing ability of this filter can be easily restored simply by cleaning and exposing to sunlight

This filter will keep the air fresh by deodorizing the molecules that cause odours. The deodorizing effect can be restored by washing with water and then drying under the sun. This filter maintains its deodorizing effect even after many repeat uses.



Used in models

Filter	Indoor Unit	SRK-ZJX	SRK-ZK	SRK-ZJ	SRF-ZJX
Allergen Clear Filter		1pc	1pc	1pc	—
Natural Enzyme Filter		—	—	—	1pc
Photocatalytic Washable Deodorizing Filter		1pc	1pc	1pc	1pc

Ceiling Concealed Type.



SRR25~60VF



Standard Equipment

Wired Remote Control



RC-EX1A

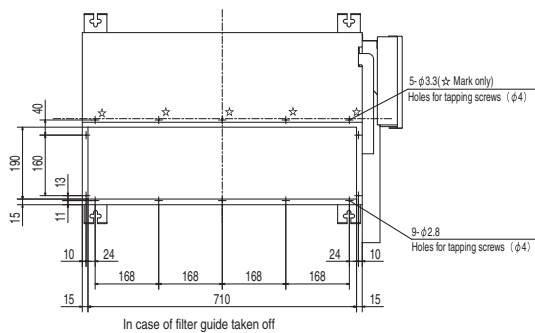
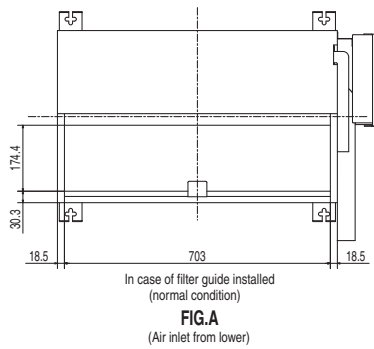
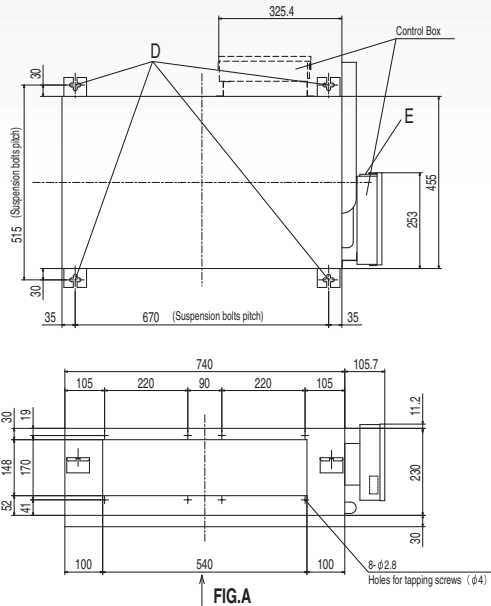


RC-E5



RCH-E3

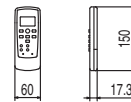
Ceiling concealed type (SRR) Models SRR25ZJ-S, 35ZJ-S, 50ZJ-S, 60ZJ-S



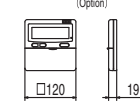
Unit:mm

Symbol	Content	SRR25ZJ-S, 35ZJ-S	SRR50ZJ-S, 60ZJ-S
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP16	
D	Suspension bolts	(M8)	
E	Power supply intake	(φ35)	

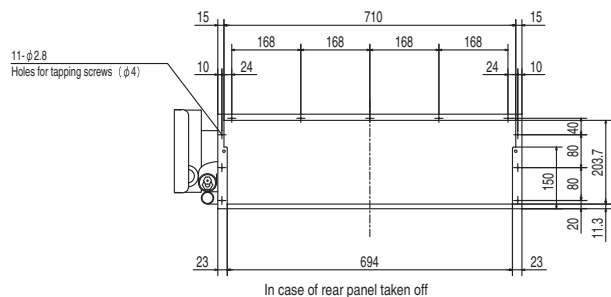
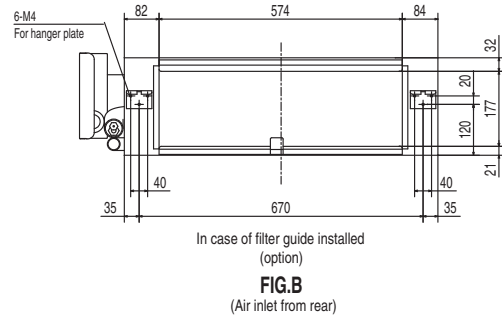
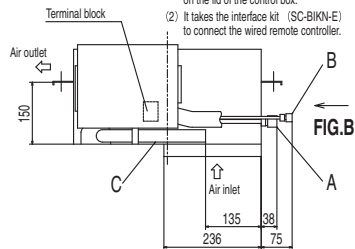
Wireless remote controller



Wired remote controller (Option)



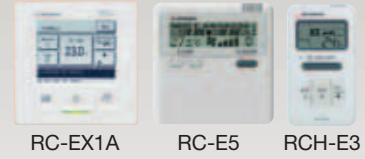
Note (1) The model name label is attached on the lid of the control box.
(2) It takes the interface kit (SC-BIKN-E) to connect the wired remote controller.



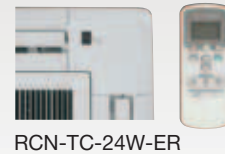
Ceiling Cassette.



Wired Remote Control



Wireless Remote Control

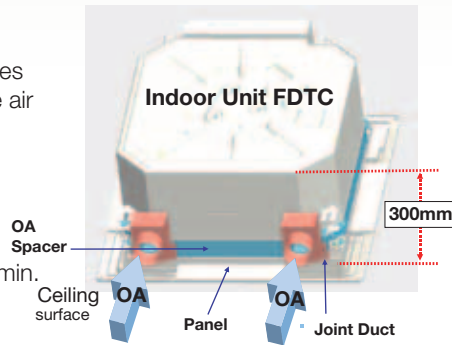


Taking outside air inside

OA Spacer TC-OAS-E (option)
Joint Duct TC-OAD-E (option)

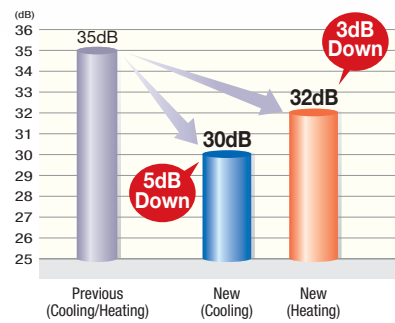
Utilizing OA spacer which comes as optional equipment, outside air can be taken inside.

- Using 1 joint duct:**
OA comes up to 1.3m³/min.
- Using 2 joint ducts:**
OA comes from 1.3 to 2.6m³/min.



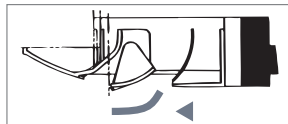
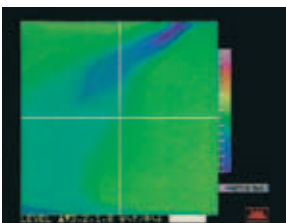
Quiet operation

(Sound Pressure level in the Lo mode)



“CLEARER” air flow

New shape & angled louver redirects the air current away from the ceiling, to reduce ceiling stains



Compact and convenient

600mm drain pump

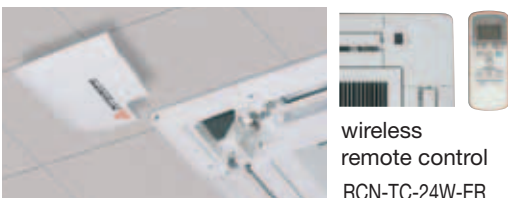
Drain can be discharged upward by 600 mm from the ceiling surface close to the indoor unit. It allows a piping layout with a high degree of freedom depending on the installation location.

600 x 600 ceiling

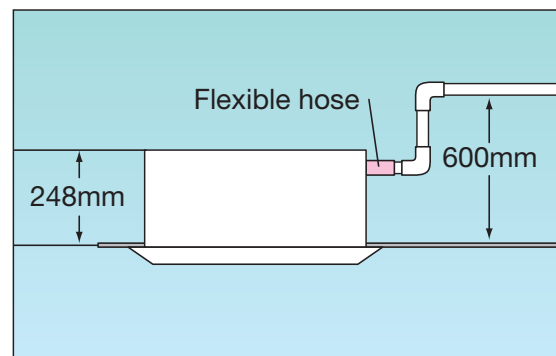
Indoor unit size (W:570 x D:570) brings easy installation for 600 x 600 ceiling and Panel size (700 x 700) is suitable for 600 x 600 ceiling. Height is one of the industry's lowest level at 248mm and weight is 16.5kg only.

Easy installation

For wireless control simply insert the infrared receiver kit on a corner of the panel



wireless remote control RCN-TC-24W-ER



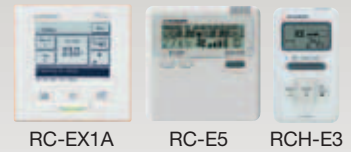
Floor Standing.



SRF25~50ZJX



Wired Remote Control



RC-EX1A

RC-E5

RCH-E3

Wireless Remote Control



RCN-TC-24W-ER

Sophisticated design

With a classy semi flat front panel in chic white, this series fits in all kinds of rooms and creates a relaxing atmosphere. Choice of wall hanging, floor standing or behind gallery installation is available.

Auto air outlet selection

Heating operation:

When both lower and upper outlets operation and the Auto fan speed mode is selected, the lower outlet will be kept closed for twenty minutes after the start or until room temperature is close to reaching the set point. Then the air outlet will change to both outlets. That state will be maintained until the switch is turned off.

Automatic adjustment of lower air outlet direction prevents stirring up of warm air and keeps optimum comfort at floor level.

Cooling operation:

When both lower and upper outlets operation is selected in Cooling or Dry operation, both outlets are kept open for sixty minutes after the start or until room temperature is below set point. Then the air outlet will change to the upper outlet. That state will be maintained until unit is switched off.

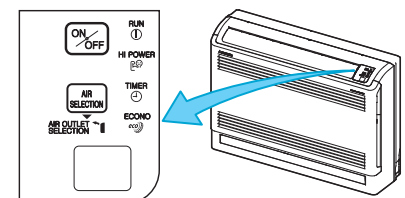
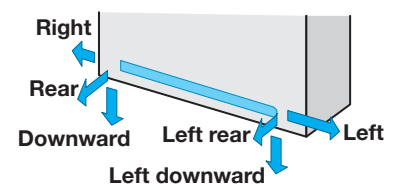
In case both outlets operation with Auto fan speed mode is selected, the upper outlet will be kept closed for ten minutes after the start or until room temperature is close to reaching the set point. Then the air outlet will change to both outlets in order to spread comfort air to every corner.

Easy installation

Piping and drain hose connection can be selected out of 6-directions.

Convenient to use operation

Besides on/off operation, simultaneous lower and upper air outlets or upper outlet can be selected by the air flow direction button. Further control can be selected on the remote control.



Ceiling Concealed Type Medium Static.



FDUM50VF

Wired Remote Control



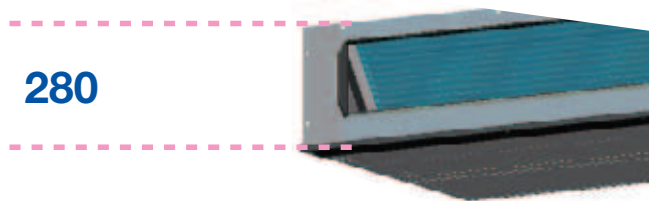
Wireless Remote Control



Low profile

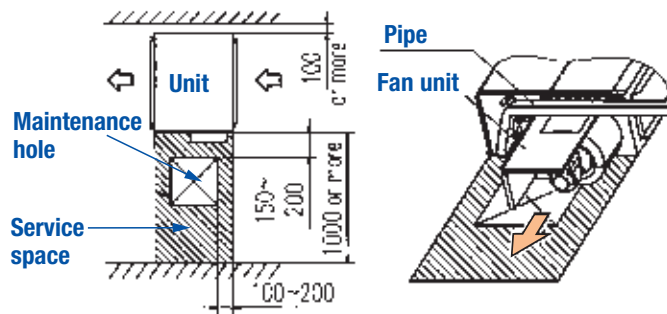
The height of FDUM50 model is only 280mm.

280



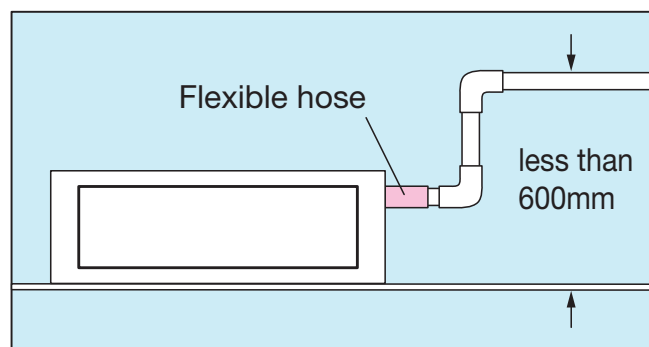
Improved servicing

Fan unit (impeller and motor) can be pulled out from the right side of the unit. Maintenance is available from the right side or from beneath.

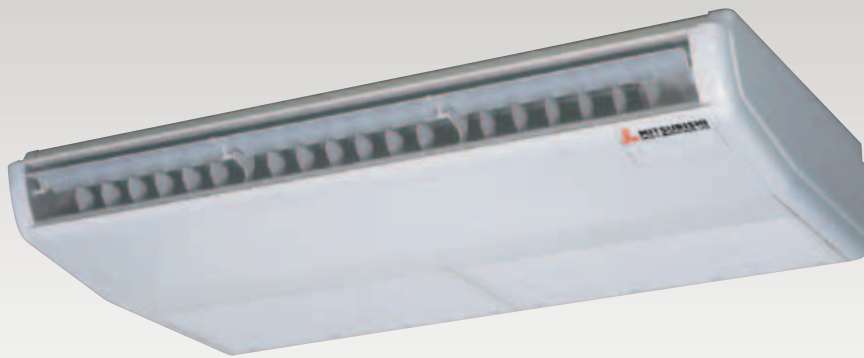


600mm drain pump

Drain can be discharged upwards by 600mm from the ceiling surface. It allows a piping layout with a high degree of freedom depending on the installation location.



Ceiling Suspended.



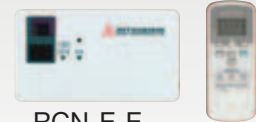
FDEN50VF

Wired remote control



RC-E5 RCH-E3

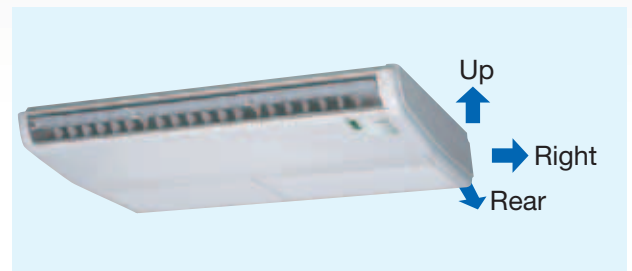
Wireless remote control



RCN-E-E

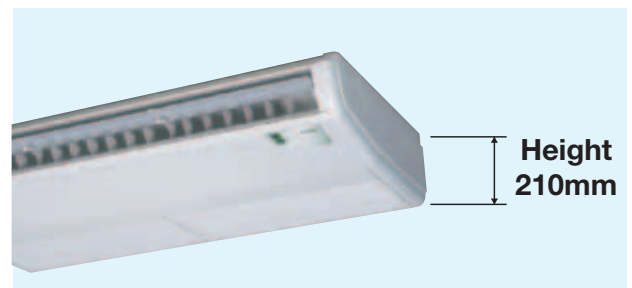
Easy installation

Increased freedom of a piping layout
The refrigerant pipe from the unit can be arranged in three directions, rear, right and up. The drain pipe can be arranged in two directions, left and right. This will allow a free layout of piping for various installation conditions. The unit can only be serviced from below.



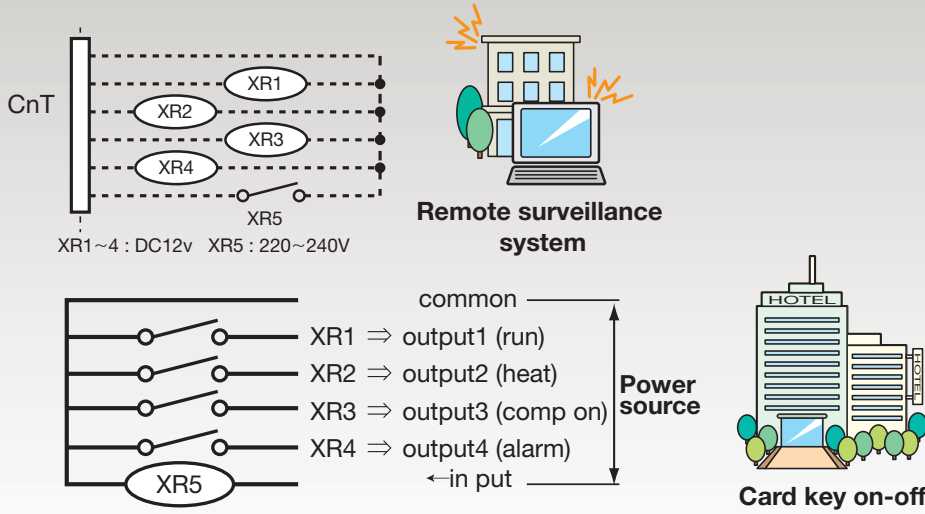
Compact and modern design

All models fit compactly on the ceiling. Height is 210mm. Elegant, modern design featuring rounded edges gives the room a comfortable atmosphere.



Control Options.

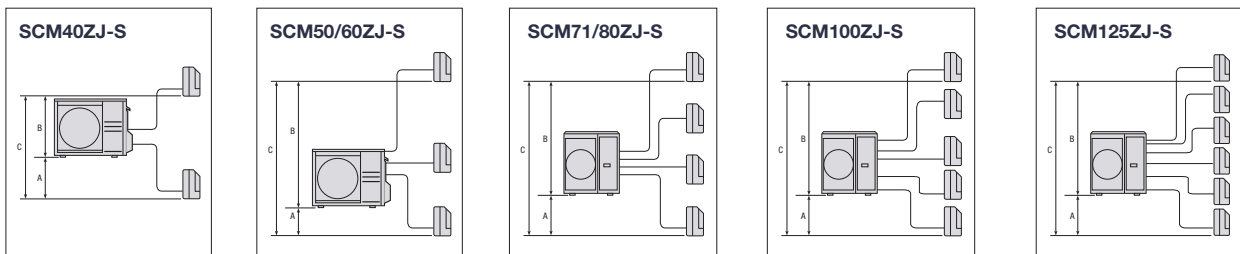
CnT terminal is equipped



Model	Wired Remote Control		Wireless Remote Option	Super Link Network	
	Interface	Wired Remote Control	Infrared Kit	Interface	Wired Remote Control
SRK**ZJ-S	SC-BIKN-E	Options RC-EX1A RC-E5 RCH-E3	Not required	SC-BIKN-E SC-ADNA-E	Options RC-EX1A RC-E5 RCH-E3
SRK**ZJ-S1					
SRK**ZJX-S					
SRK**ZJX-S1					
SRK71ZK-S					
SRF**ZJX-S					
SRF**ZJX-S1					
SRR**ZJ-S					
FDUM50VF	Not required		RCN-KIT3-E	SC-ADNA-E	
FDTC**VF			RCN-TC-24W-ER		
FDEN50VF			RCN-E-E		

Refrigerant Pipe Length

Limit - The maximum piping length of the refrigerant pipes for the outdoor units, and the maximum height difference for the outdoor units are as shown below.

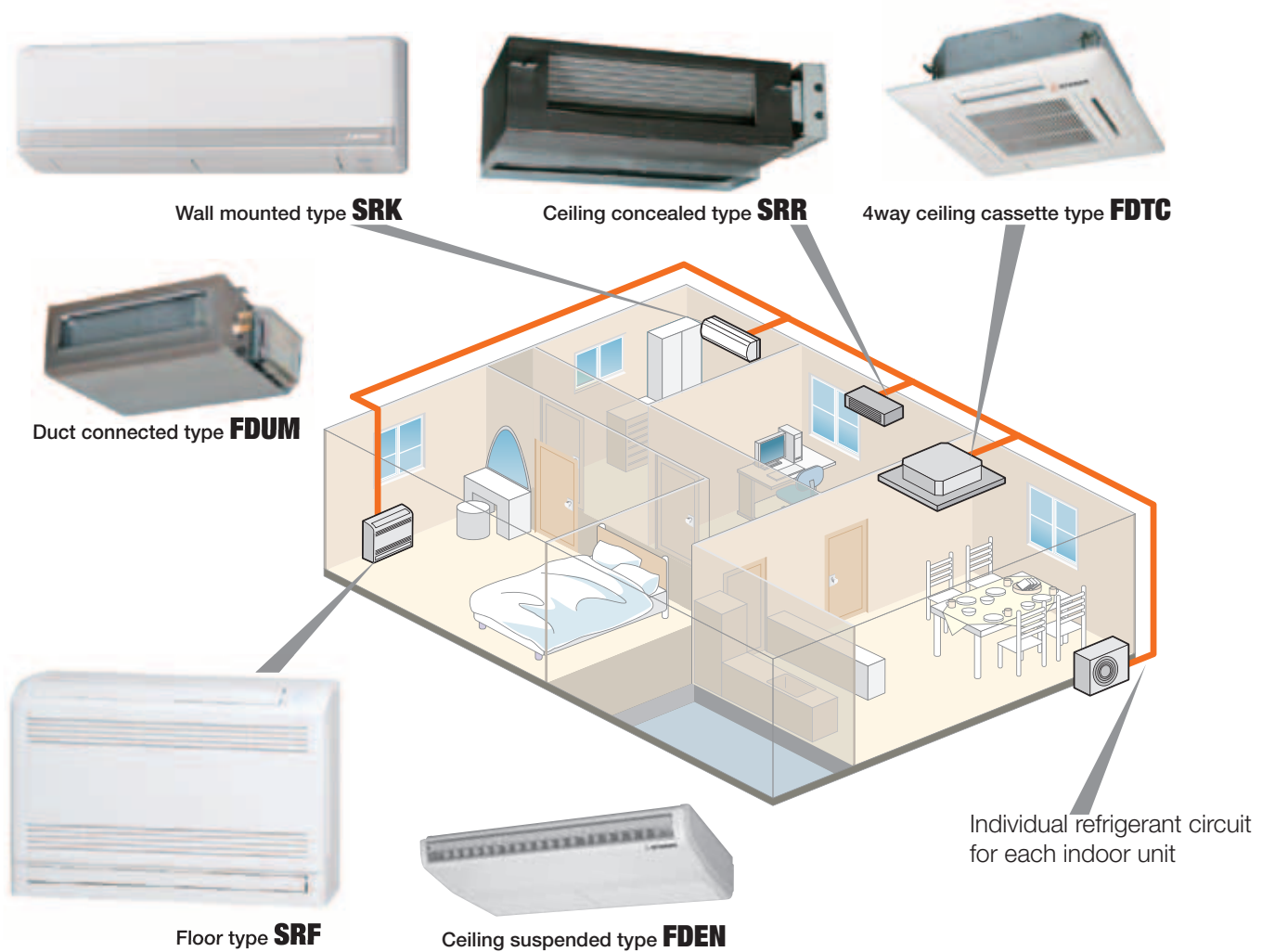


Maximum refrigeration pipe run metres		SCM40ZJ	SCM50/60ZJ	SCM71/80ZJ	SCM100/125ZJ
	length for one indoor unit	25			
	total length for all rooms	30	40	70	90
height difference	lower installation spot of the indoor unit (A)	15		20	
	upper installation spot of the indoor unit (B)				
	maximum height difference of the indoor units (C)	25			
	pre charged to refrigerant pipe length	30	40	50	

Inverter Multi-Split System.

SCM-ZJ

The multi system allows a single outdoor unit to service up to six indoor units.



Outdoor Unit



	SCW40ZJ-S	SCM50ZJ-S1	SCM60ZJ-S1	SCM71ZJ-S1	SCM80ZJ-S1	SCM100ZJ-S1	SCM125ZJ-S1		
	2 Rooms	2-3 Rooms		2-4 Rooms		4-5 Rooms	4-6 Rooms		
	1 Phase 230V 50Hz								
Power Supply	Outdoor								
Rated Capacity	Cooling T1	4.0(1.8~5.9)	5.0(1.8~7.1)	6.0(1.8~7.5)	7.1(1.8~8.8)	8.0(1.8~9.2)	10	12.5	
	Heating H1	4.5(1.4~6.9)	6.0(1.4~7.5)	6.8(1.5~7.8)	8.6(1.5~9.4)	9.3(1.5~9.8)	12	13.5	
Electrical Input	Cooling T1	0.84	1.08	1.43	1.74	2.16	2.86	3.9	
	Heating H1	0.90	1.31	1.51	2.00	2.26	2.93	3.25	
EER	Cooling T1	4.76	4.63	4.20	4.08	3.70	3.5	3.21	
COP	Heating H1	5.00	4.58	4.50	4.30	4.12	4.1	4.15	
Current	Cooling T1	3.7	4.7	6.5	7.6	9.4	12.4	17	
	Heating H1	4	5.8	6.8	8.8	10	12.8	14.1	
Rec Circuit Breaker	A	25A							
Sound Power Level (JIS C9612)	Cooling (Outdoor)	60	62	63	65	66	68	69	
	Heating (Outdoor)	62	65	65	66	66	71	72	
External Dimensions	(HXWXD)	640X850X290							
Net weight	Outdoor	47	48	49	62	945X970X370			
Refrigerant Piping	Liquid Line	Ø6.35 X 2	Ø6.35 X 3	Ø6.35 X 3	Ø6.35 X 4	Ø6.35 X 4	Ø6.35 X 5	Ø6.35 X 6	
	Gas Line	Ø9.52 X 2	Ø9.52 X 3	Ø9.52 X 3	Ø9.52 X 4	Ø9.52 X 4	Ø9.52 X 5	Ø9.52 X 6	
Union		(Ø9.52 Ø12.7) X 1	(Ø9.52 Ø12.7) X 2	(Ø9.52 Ø12.7) X 2	(Ø9.52 Ø12.7) X 2	(Ø9.52 Ø12.7) X 2	(Ø9.52 Ø12.7) X 2	(Ø9.52 Ø12.7) X 2	
Connection Method		Flare connection							
Refrigerant R410A	Volume	2.0	2.5	2.5	3.15	3.15	6	6	
	Pre-charged	30 mtrs	40 mtrs						
Indoor Unit Combination	SRK*ZJ/S1	2.0,2.5,3.5							
	SRK*ZJX	2.0,2.5,3.5,5.0							
	SRK*ZJX-S1	2.0,2.5,3.5							
	SRK*ZK-S	5.0							
	SRF*ZJX	2.5,3.5							
	SRF*ZJX-S1	5.0							
	SRR*ZJ	2.5,3.5,5.0							
	FDTC*VD	2.5,3.5,5.0							
	FDUM*VF	5.0							
	FDEN*VF	5.0							
Indoor Unit Connection		2 Units	2 to 3 Units	2 to 4 Units	2 to 4 Units	4 to 5 Units	4 to 6 Units	4 to 6 Units	
Indoor Connection Capacity		4.0kW to 6.0kW	4.0kW to 8.5kW	4.0kW to 11.0kW	4.0kW to 12.6kW	4.0kW to 13.5kW	8.0 kW to 16kW	8.0kW to 19.5kW	

Notes

- 1 Rated data is measured using SRK*ZJX indoor units to match the outdoor unit capacity
- 2 Currently there is no energy labelling standard for this type of product
- 3 The kW output capacity, electrical input, current and recommended circuit breaker are indicated at rated kW output capacity. Electrical work must be carried out by a suitably qualified person and comply to all electrical standards and local regulations.

Multi System Indoor Unit.

SRK-ZJX

High COP wall mount type



FUNCTION



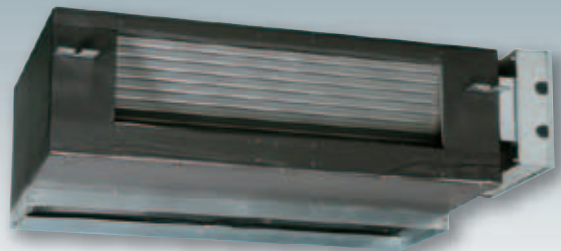
SPECIFICATIONS

Item	Model	SRK20ZJX-S	SRK25ZJX-S	SRK35ZJX-S	SRK50ZJX-S	SRK60ZJX-S	
Cooling capacity	kW	2.0	2.5	3.5	5.0	6.0	
Heating capacity	kW	2.5	3.1	4.5	5.8	6.8	
Sound power level *	Cooling	53	55	58	60	62	
	Heating	54	58	59	62	62	
Sound pressure level *	Cooling	Hi:39 Me:30 Lo:21	Hi:41 Me:31 Lo:22	Hi:43 Me:33 Lo:22	Hi:47 Me:40 Lo:27	Hi:51 Me:41 Lo:29	
	Heating	Hi:38 Me:33 Lo:25	Hi:41 Me:34 Lo:27	Hi:42 Me:35 Lo:27	Hi:48 Me:40 Lo:33	Hi:48 Me:41 Lo:34	
Air flow	Indoor	Cooling	191-133-83	208-150-83	225-158-83	225-183-133	241-208-141
		Heating	200-158-116	216-166-125	233-183-134	275-241-175	283-250-183
Exterior dimensions (H×W×D)	mm	309×890×220					
Net weight	kg	15					
Clean filter		Allergen Clear Filter × 1, Photocatalytic Washable Deodorizing Filter × 1					
Piping	Liquid line	ø 6.35					
	Gas line	ø 9.52			ø 12.7		
OUTDOOR UNITS TO BE COMBINED		SCM40-125ZJ-S1			SCM50-125ZJ-S1	SCM60-125ZJ-S1	

The data are measured under the following conditions (ISO-T1). Cooling: Indoor temp. of 27CDB, 19CWB, and outdoor temp. of 35CDB. Heating: Indoor temp. of 20CDB, and outdoor temp. of 7CDB, 6CWB.
* Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

SRR-ZJ

Ceiling concealed type



FUNCTION



SPECIFICATIONS

Model	SRR25ZJ-S	SRR35ZJ-S	SRR50ZJ-S	SRR60ZJ-S
Cooling capacity	kW	2.5	3.5	5.0
Heating capacity	kW	3.4	4.5	5.8
Sound power level*	Cooling	54	56	60
	Heating	55	57	60
Sound pressure level*	Cooling	Hi:40 Me:35 Lo:29	Hi:42 Me:37 Lo:30	Hi:48 Me:42 Lo:33
	Heating	Hi:41 Me:38 Lo:31	Hi:43 Me:40 Lo:32	Hi:48 Me:45 Lo:36
Air flow Q'ty (Hi)	Cooling	142	150	175
	Heating	167	183	217
Exterior dimensions(H×W×D)	mm	230×740×455		
Net weight	kg	22		23
Piping	Liquid line	ø 6.35		ø 6.35
	Gas line	ø 9.52		
OUTDOOR UNITS TO BE COMBINED		SCM40-125ZJ-S1		SCM50-125ZJ-S1
				SCM60-125ZJ-S1

Multi System Indoor Unit.

SRF-ZJX

Floor type



FUNCTION

SPECIFICATIONS

Model		SRF25ZJX-S	SRF35ZJX-S	SRF50ZJX-S	
Cooling capacity		kW	2.5	3.5	5.0
Heating capacity		kW	3.4	4.5	5.8
Sound power level *	Cooling	dB(A)	51	52	58
	Heating	dB(A)	51	52	58
Sound pressure level *	Cooling	dB(A)	Hi:40 Me:32 Lo:26	Hi:41 Me:34 Lo:28	Hi:46 Me:42 Lo:32
	Heating	dB(A)	Hi:40 Me:35 Lo:28	Hi:41 Me:36 Lo:31	Hi:47 Me:41 Lo:33
Air flow	Indoor	Cooling	150-126-96	153-130-106	191-160-110
		Heating	175-136-110	178-138-123	200-166-126
Exterior dimensions (H×W×D)		mm	600×860×238		
Net weight		kg	18		19
Clean filter			Natural Enzyme FilterX1 Photocatalytic Washable Deodorizing FilterX1		
Piping	Liquid line	mm	ø 6.35		
	Gas line	mm	ø 9.52		
OUTDOOR UNITS TO BE COMBINED			SCM40~125ZJ-S1		SCM50~125ZJ-S1

The data are measured under the following conditions (ISO-T1). Cooling: Indoor temp. of 27CDB, 19CWB, and outdoor temp. of 35CDB. Heating: Indoor temp. of 20CDB, and outdoor temp. of 7CDB, 6CWB. * Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

SRK-ZJ-S1

Wall mount type



FUNCTION

SPECIFICATIONS

Model		SRK20ZJ-S/S1	SRK25ZJ-S/S1	SRK35ZJ-S/S1	SRK50ZJ-S/S1	
Cooling capacity		kW	2.0	2.5	3.5	5.0
Heating capacity		kW	2.7	3.2	4.0	5.8
Sound power level *	Cooling	dB(A)	49	50	58	61
	Heating	dB(A)	52	55	59	61
Sound pressure level *	Cooling	dB(A)	Hi:33 Me:27 Lo:21	Hi:34 Me:28 Lo:21	Hi:42 Me:32 Lo:22	Hi:46 Me:37 Lo:26
	Heating	dB(A)	Hi:36 Me:31 Lo:24	Hi:39 Me:31 Lo:24	Hi:43 Me:37 Lo:25	Hi:45 Me:37 Lo:31
Air flow	Indoor	Cooling	130-93-80	131-100-83	168-106-83	188-130-88
		Heating	163-105-83	176-108-85	213-156-101	225-170-125
Exterior dimensions (H×W×D)		mm	294×798×229			
Net weight		kg	9.5			
Clean filter			Allergen Clear Filter × 1, Photocatalytic Washable Deodorizing Filter × 1			
Piping	Liquid line	mm	ø 6.35			
	Gas line	mm	ø 9.52			
OUTDOOR UNITS TO BE COMBINED			SCM40~125ZJ-S1		SCM50~125ZJ-S1	

Inverter Multi Split System.

SRK-ZK

Wall mounted type



FUNCTION

Comfortable Air Flow Functions

Convenient & Economy Functions

Maintenance & Prevention Functions

Others

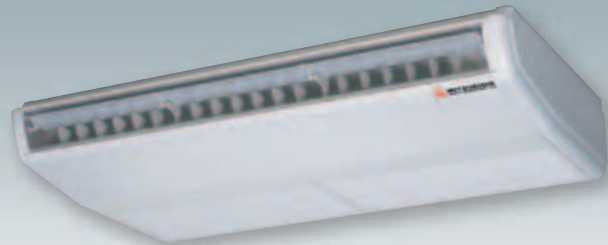
SPECIFICATIONS

Item	Model	SRK71ZK-S
Nominal cooling capacity	kW	7.1
Nominal heating capacity	kW	8.0
Sound power level *	Cooling	dB(A) 60
	Heating	dB(A) 61
Sound pressure level *	Cooling	dB(A) Hi:49 Me:45 Lo:39 Ulo:26
	Heating	dB(A) Hi:46 Me:43 Lo:38 Ulo:35
Air flow	Cooling	CMM Hi:19.5 Me:17.5 Lo:14.0 Ulo:8.0
	Heating	CMM Hi:21.5 Me:19.5 Lo:15.5 Ulo:14.0
Exterior dimensions (H×W×D)	mm	318×1098×248
Net weight	kg	15
Clean filter		Allergen Clear Filter × 1, Photocatalytic Washable Deodorizing Filter × 1
Piping	Liquid line	mm φ 6.35
	Gas line	mm φ 15.88
OUTDOOR UNITS TO BE COMBINED		SCM100/125ZJ-S1

The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27CDB, 19CWB, and outdoor temp. of 35CDB. Heating: Indoor temp. of 20CDB, and outdoor temp. of 7CDB, 6CWB.

FDEN-VF

Ceiling suspended



Wired Remote Control



Wireless Remote Control



FUNCTION

Convenient & Economy Functions

Maintenance & Prevention Functions

Others

SPECIFICATIONS

Item	Model	FDEN50VF
Nominal cooling capacity	kW	5.0
Nominal heating capacity	kW	5.8
Sound pressure level *	Cooling	dB(A) Hi:39 Me:38 Lo:37
	Heating	dB(A) Hi:39 Me:38 Lo:37
Air flow	Cooling	CMM Hi:11 Me:9 Lo:7
	Heating	CMM Hi:11 Me:9 Lo:7
Exterior dimensions (H×W×D)	mm	210×1070×690
Net weight	kg	28
Air filter		Pocket Plastic net × 2 (Washable)
Piping	Liquid line	mm φ 6.35
	Gas line	mm φ 12.7
OUTDOOR UNITS TO BE COMBINED		SCM50~125ZJ-S1

The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27CDB, 19CWB, and outdoor temp. of 35CDB. Heating: Indoor temp. of 20CDB, and outdoor temp. of 7CDB, 6CWB. * Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions. Powerful-Hi can be selected. Sound pressure level: Cooling dB(A):46 Heating:46, Air flow:13CMM

Inverter Multi Split System.

FDTC-VF

4way ceiling cassette type

Fits into standard
600 x 600 ceiling



Wired Remote Control

Wireless Remote Control



FUNCTION

Comfortable Functions



Comfortable Air Flow Functions



Convenient & Economy Functions



Maintenance & Prevention Functions



Others



SPECIFICATIONS

Item	Model	FDTC25VF	FDTC35VF	FDTC50VF	FDTC60VF
Nominal cooling capacity	kW	2.5	3.5	5.0	6.0
Nominal heating capacity	kW	3.4	4.5	5.8	6.8
Sound pressure level* ※	Cooling	dB(A) Hi:36 Me:32 Lo:29	Hi:40 Me:36 Lo:30	Hi:42 Me:36 Lo:30	Hi:46 Me:39 Lo:30
	Heating	dB(A) Hi:38 Me:33 Lo:29.5	Hi:42 Me:35 Lo:32	Hi:42 Me:36 Lo:32	Hi:46 Me:39 Lo:32
Air flow	Cooling	CMM Hi:9 Me:8 Lo:6.5	Hi:9.5 Me:9 Lo:7	Hi:11.5 Me:9 Lo:7	Hi:13.5 Me:10 Lo:7
	Heating	CMM Hi:9.5 Me:8.5 Lo:7	Hi:10 Me:9 Lo:8	Hi:11.5 Me:9 Lo:8	Hi:13.5 Me:10 Lo:8
Exterior dimensions (H×W×D)	Main unit	mm 248×570×570			
	Panel	mm 35×700×700			
Net weight	Main unit	kg 15			
	Panel	kg 3.5			
Piping	Liquid line	mm φ 6.35		φ 6.35	
	Gas line	mm φ 9.52		φ 12.7	
OUTDOOR UNITS TO BE COMBINED		SCM40~125ZJ-S1		SCM50~125ZJ-S1	SCM60~125ZJ-S1

The data are measured under the following conditions (ISO-T1). Cooling: Indoor temp. of 27CDB, 19CWB, and outdoor temp. of 35CDB. Heating: Indoor temp. of 20CDB, and outdoor temp. of 7CDB, 6CWB.

* Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

※ Powerful-Hi can be selected. Sound level dB(A): 25VF (Cooling: 38 Heating: 39), 35VF (Cooling: 41 Heating: 43), 40/50/60VF (Cooling: 47 Heating: 47), Air flow: 25VF (Cooling: 10 Heating: 10.5), 35VF (Cooling: 11 Heating: 11.5), 50/60VF (Cooling: 13.5 Heating: 13.5)

FDUM-VF

Ducted connected-low/middle static pressure



Filter KIT
UM-FL1EF (option)

Wired Remote Control

Wireless Remote Control



FUNCTION

Comfortable Functions



Convenient & Economy Functions



Maintenance & Prevention Functions



Others



SPECIFICATIONS

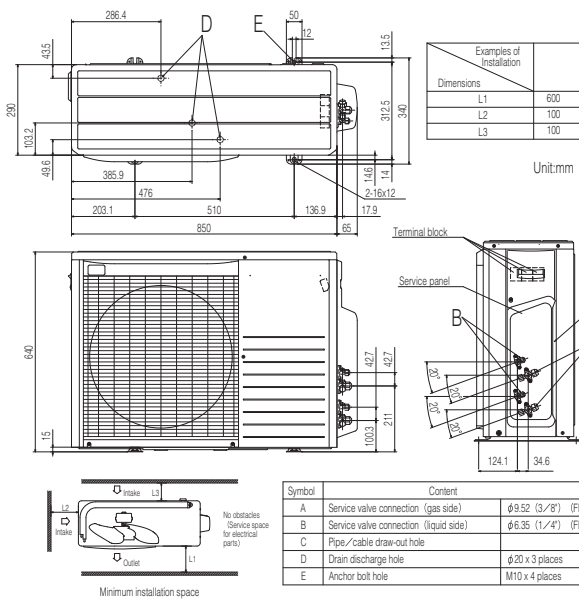
Item	Model	FDUM50VF
Nominal cooling capacity	kW	5.0
Nominal heating capacity	kW	5.8
Sound pressure level* ※	Cooling	dB(A) Hi:32 Me:29 Lo:26
	Heating	dB(A) Hi:32 Me:29 Lo:26
Air flow	Cooling	CMM Hi:10 Me:9 Lo:8
	Heating	CMM Hi:10 Me:9 Lo:8
Exterior dimensions (H×W×D)	mm	280×750×635
Net weight	kg	29
Air filter		Procure locally
Piping	Liquid line	mm φ 6.35
	Gas line	mm φ 12.7
OUTDOOR UNITS TO BE COMBINED		SCM50~125ZJ-S1

The data are measured under the following conditions (ISO-T1). Cooling: Indoor temp. of 27CDB, 19CWB, and outdoor temp. of 35CDB. Heating: Indoor temp. of 20CDB, and outdoor temp. of 7CDB, 6CWB.

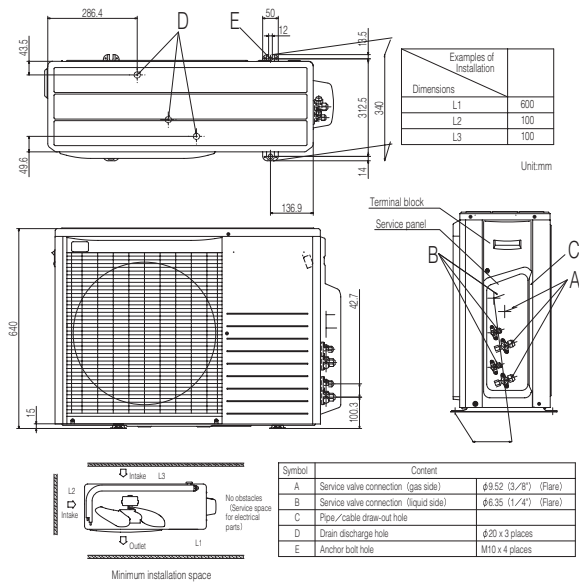
* Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

Dimension Outdoor Unit.

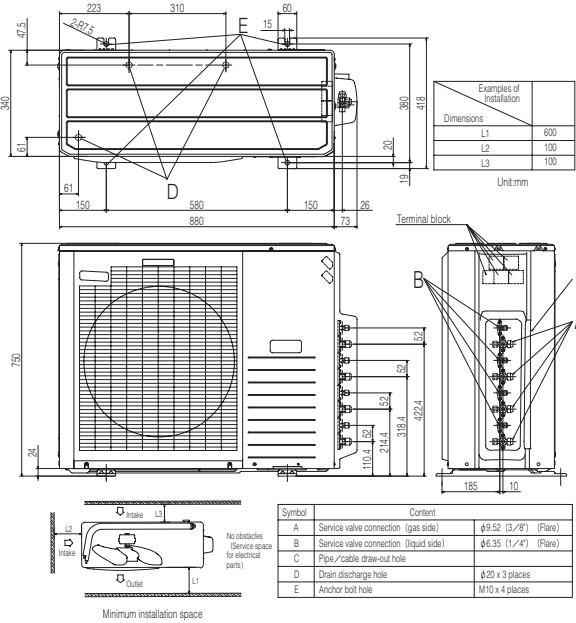
SCM40ZJ-S



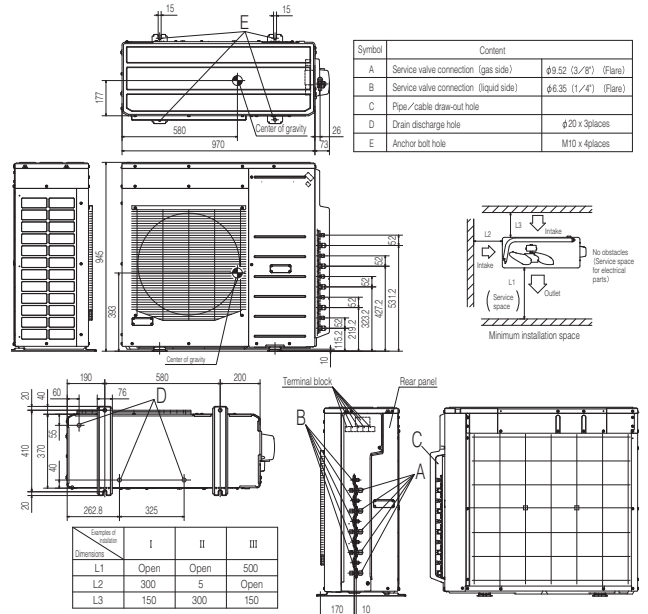
SCM50ZJ-S1 SCM60ZJ-S1



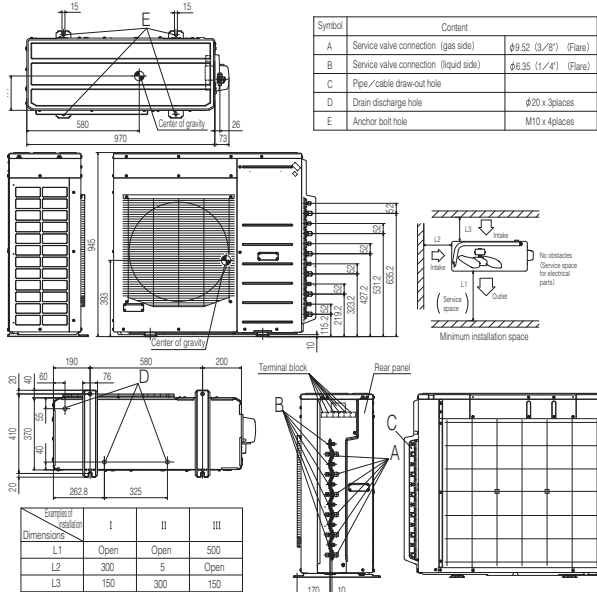
SCM71ZJ-S1 SCM80ZJ-S1



SCM100ZJ-S1



SCM125ZJ-S1





Before starting use

Heating performance

The heating performance values (kW) described in catalog are the values obtained by operating at an outdoor temperature of 7C and indoor temperature of 20C as set forth in the ISO Standards. As the heating performance decreases as the outdoor temperature drops, if the outdoor temperature is too low and the heating performance is insufficient, use other heating appliances as well.

Indication of sound values

The sound values are the values (A scale) measured in a chamber such as an anechoic chamber following the ISO Standards. In the actual installation state, the value is normally larger than the values given in the catalog due to the effect of surrounding noise and echo. Take this into consideration when installing.

Use in oil atmosphere

Avoid installing this unit in an atmosphere where oil scatters or builds up, such as in a kitchen or machine factory.

If the oil adheres to the heat exchanger, the heat exchanging performance will drop, mist may be generated, and the synthetic resin parts may deform and break.

Use in acidic or alkaline atmosphere

If this unit is used in acidic atmosphere such as hot spring areas having high level of sulfuric gases or in alkaline atmosphere including ammonia or calcium chloride, places where the exhaust of the heat exchanger is sucked in, or at coastal areas where the unit is subject to salt breezes, the outer plate or heat exchanger, etc., will corrode. Please ask a dealer or specialist when you use an air conditioner in places differing from a general atmosphere.

Use in places with high ceilings

If the ceiling is high, install a circulator to improve the heat and air flow distribution when heating.

Refrigerant leakage

The refrigerant (R410A) used for Air conditioner is non-toxic and nonflammable in its original state.

However, in consideration of a state where the refrigerant leaks into the room, measures against refrigerant leaks must be taken in small rooms where the tolerable level could be exceeded. Take measures by installing ventilation devices, etc.

Use in snowy areas

Take the following measures when installing the outdoor unit in snowy areas.

Snow prevention

Install a snow-prevention hood so that the snow does not obstruct the air intake port or enter and freeze in the outdoor unit.

Snow piling

In areas with heavy snow fall, the piled snow could block the air intake port. In this case, a frame that is 50cm or higher than the estimated snow fall must be installed underneath the outdoor unit.

Automatic defrosting device

If the temperature is low, and the humidity is high, frost will stick to the heat exchanger of the outdoor unit. If use is continued, the heating performance will drop.

The "Automatic defrosting device" will function to remove this frost. After heating for approx, three to ten minutes, it will stop, and the frost will be removed. After defrosting, hot air will be blown again.

Servicing the air-conditioner

After the air-conditioner is used for several seasons, dirt will build up in the air-conditioner causing the performance to drop. In addition to regular servicing, we recommend the maintenance contract (charged for) by a specialist.

⚠ Safety Precautions

Air-conditioner usage target

The air-conditioner described in this catalog is a dedicated cooling/heating device for human use.

Do not use it for special applications such as the storage of foodstuffs, animals or plants, computer server rooms, precision devices or valuable art, etc.

This could cause the quality of the items to drop, etc.

Do not use this for cooling vehicles or ships. Water leakage or current leaks could occur.

Before use

Always read the "User's Manual" thoroughly before starting use.

Installation

Always commission the installation to a dealer or specialist. Improper installation will lead to water leakage, electric shocks and fires.

Make sure that the outdoor unit is stable in installation. Fix the unit to stable base.

Usage place

Do not install in places where combustible gas could leak or where there are sparks.

Installation in a place where combustible gas could be generated, flow or accumulate, or places containing carbon fibers could lead to fires.

Only persons that are qualified and licensed are permitted to install and service products that contain refrigerants in Australia, go to www.arctick.org. Suitable access for service must be provided in compliance with industry standards and local regulations.



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Australia:

ABN 92 133 980 275

Phone: 1300 138 007

Fax: 1800 644 329

NSW & Head Office

9C Commercial Road
Kingsgrove NSW 2208
PO Box 318 Kingsgrove
NSW 1480

www.mhiao.com.au

Victoria

2/24 Lakeside Drive
Burwood East
VIC 3151

Queensland

5/26 Flinders Parade
North Lakes
QLD 4509

Western Australia

Unit 3A 2 Mulgool Rd
Malaga WA 6090
PO Box 667 Belmont
WA 6104

New Zealand:

G.S.T. 105-673-620

Phone: 0800 138 007 Fax: 09 442 5346

Auckland

Unit 2 100 Bush Road
Albany 0632
PO Box 300552
Albany 0632

www.mhiao.co.nz

MRE SPARE PARTS

www.mrespareparts.com.au

Tel: +61 (0) 2 9600 7444

Fax: +61 (0) 2 9600 8044

ISO9001

Our Air Conditioning & Refrigeration Systems Headquarters is an ISO9001 approved factory for residential air conditioners and commercial-use air conditioners (including heat pumps).



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Mitsubishi Heavy Industries, Ltd.
Air-conditioning & Refrigeration Systems Headquarters
Certified ISO 9001
Certificate number : JQA-0709



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ISO14001

Our Air Conditioning & Refrigeration Systems Headquarters has been assessed and found to comply with the requirements of ISO14001.



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