

ecolution

High Performance Air Conditioning



**SR**  
series

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Residential Air Conditioners



**MITSUBISHI**  
**HEAVY INDUSTRIES, LTD.**



Wall Mounted type

**SRK**

**COP 5.71**

(SRK20ZIX-S  
in the cooling operation)

**3D AUTO**  
Programmed air distribution

Sophisticated design

Quiet operation

**Industry leading energy efficiency and reliability  
from our advanced technology.**

**ZIX series**

Floor Standing type

**SRF**

**COP 4.80**

(SRF25ZIX-S  
in the cooling operation)



**Auto air outlet selection**  
lower and upper outlets

Sophisticated design

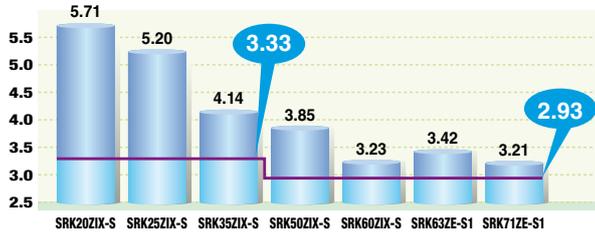
Quiet operation

# High Efficiency

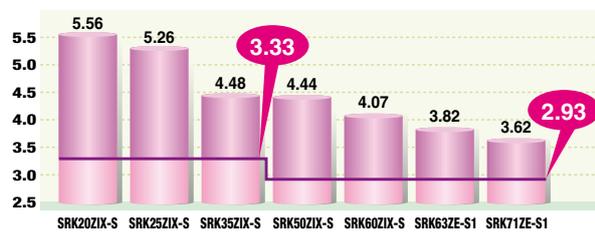
## The industry's highest EER COP levels

The ZIX, ZG and ZE series clear the 2010 MEPS.

### EER in Cooling

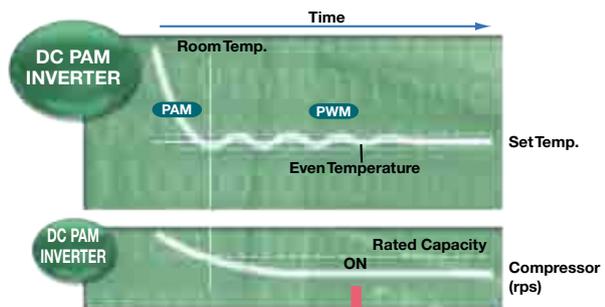


### COP in Heating



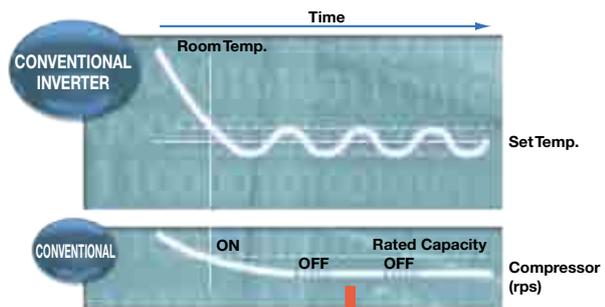
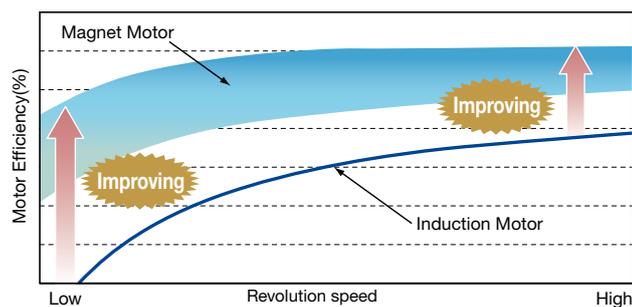
## DC PAM inverter

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 higher performance.



Utmost comfort and energy efficiency achieved with large output power and control optimisation

## DC compressor motor



Less advanced technology does not address the ON/OFF cycle issue.

## 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

## Our Latest Technologies

### New 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. In synergy with the leaf shape grill has seen an improvement of energy efficiency by 5% and a decrease of sound level.(SRC50/60ZIX-S)



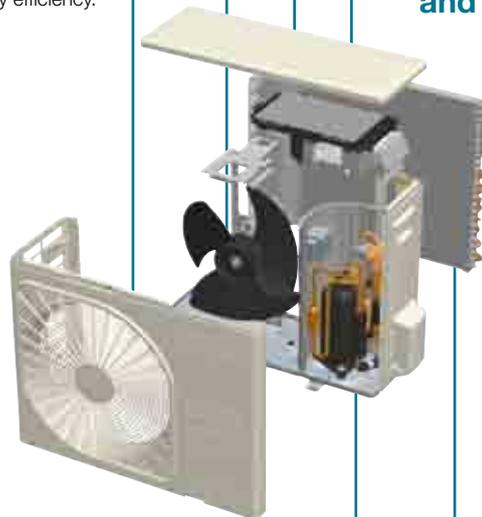
### Silicon-coated PCB

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



### Energy saving leaf shape grill

The leaf shape grill was developed in order to maximize natural air flow sent by the propeller fan along the grill. The airflow is very smooth with minimum air resistance. This has led to a decreased fan motor load and improvement of energy efficiency.



### High efficiency scroll compressor. Low vibration and low sound level

By using a scroll compressor there has been an improvement of energy efficiency. Lower vibration and lower sound level have been achieved. Further improvement to efficiency was realized by use of a neodymium magnet applied in the compressor motor. (SRC50/60ZIX-S)



photo is composite image

### ZAM steel sheet

ZAM steel sheet is used on the base of the outdoor units. ZAM has superior corrosion resistance and scratch resistance properties compared to conventional materials.

- 1) ZAM is a registered trademark of Nissin Steel Co., Ltd.
- 2) ZAM is a coined name applied to hot-dipped zinc-aluminum-magnesium-alloy-coated steel sheet developed by Nissin Steel Co., Ltd.



### Indoor unit

A combination of fin configuration and copper tube has enabled maximum air flow while keeping the same size width of the indoor unit.

Efficiency rate of heat exchanger has been drastically improved by 30% compared with previous models. The new fin design allows maximum air flow and saving energy simultaneously.

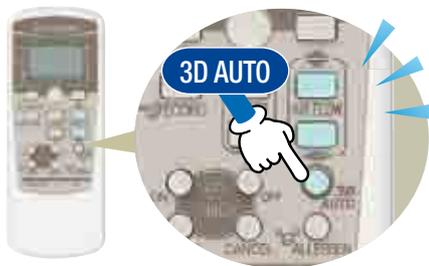
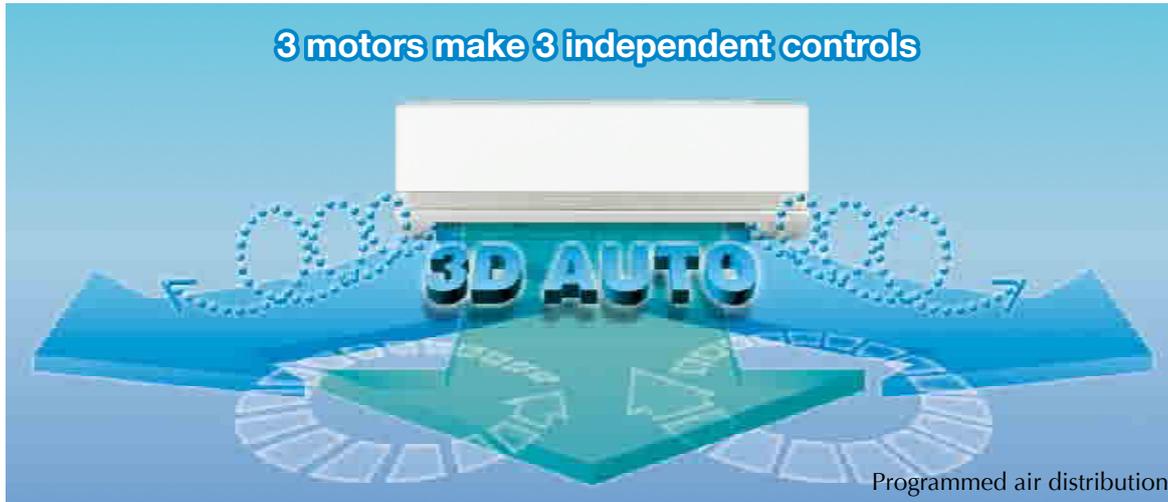


### Outdoor unit

Redesigned by changing the fin configuration from flat sheet to new M shape fin, efficiency has been improved by 10%. An optimum balance of heat transfer and air flow has been achieved.



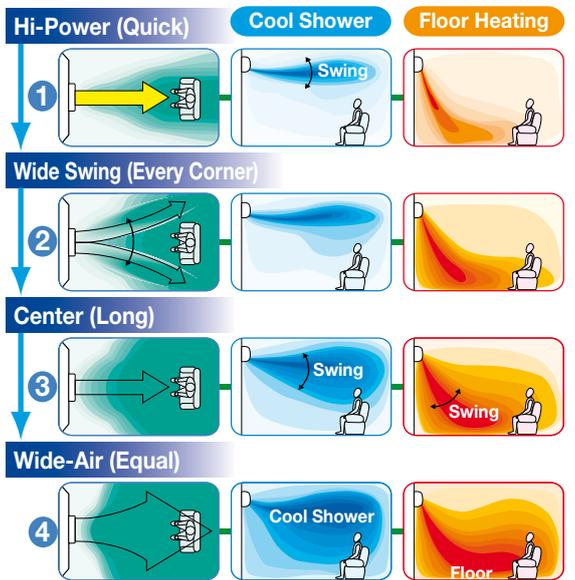
# 3D AUTO Vertical + Horizontal AIR SCROLL



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.

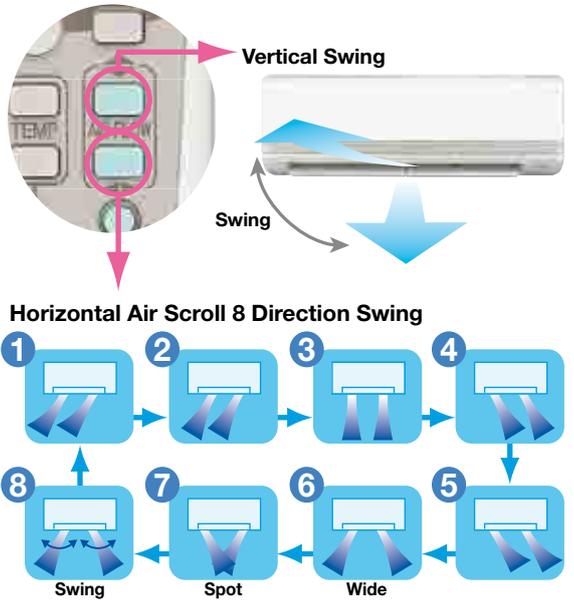
Applied models  
 SRK-ZIX, SRK-ZG,  
 SKM-ZG  
 SRK63/71ZE,  
 Manual Setting only

## 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. At the same time, this minimises energy loss.

Applied models **Aircraft technology was used in the design of the air conditioner's airflow system**  
 All SRK, SKM

## Jet Air Scroll Long Reach & Silent Air Flow

**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.



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

## Applied models Long Reach Air Flow

SRK50/60ZIX, SRK63/71/80ZE

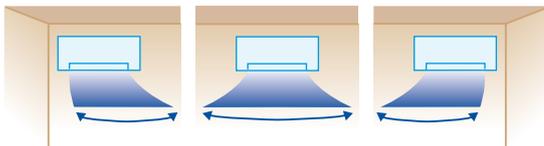
The jet technology enables powerful airflow ideal for large living areas and commercial premises, increasing your comfort.



## Applied models Positioning of Installation

SRK-ZIX, SRK-ZG, SKM-ZG

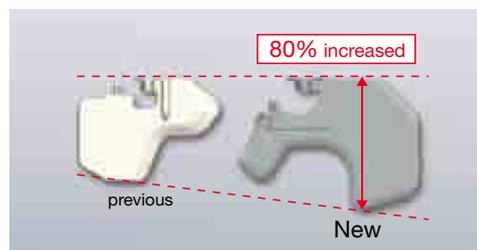
You can set the left-right air flow directions when you install the air conditioner near the side wall by remote controller operation.



## Applied models New louver

SRK-ZIX

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



**Generates the same amount of negative ions as a forest environment**

Applied models  
All SRK, SKM

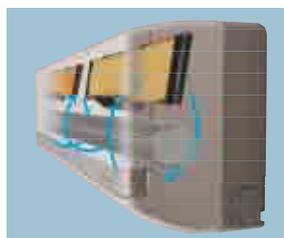


## 24-hour ION

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.

**Keeping the indoor unit clean**

Applied models  
All SRK, SKM



## Self Clean operation

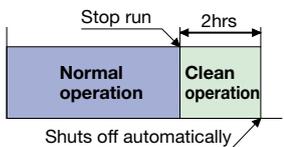
The 'self clean operation' is operated for 2 hours after the unit has ceased normal operation. The indoor fan continues to operate on ultra low speed to dry the unit. This restricts the growth of mould. This feature can be selected on the remote control.

### Situation of mold after one week

When you don't execute "Self Clean Operation"



When you execute "Self Clean Operation"



**The air in your room is kept fresh**

Applied models  
SRK-ZIX, SRK-ZG, SRK-ZE

## Allergen Clear system

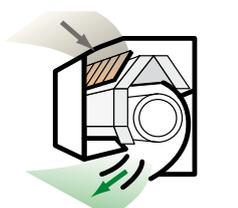
The 'Allergen Clear system' suppresses the influence of the allergen caught by the filter by controlling the temperature and humidity.

**First in the world**

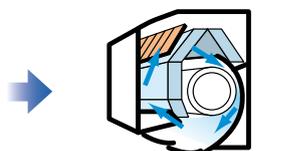
**20 of Patent Pending**



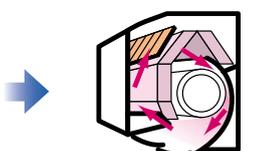
Push ALLERGEN Mode



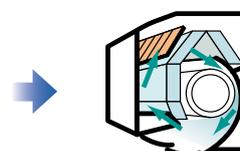
**Catching Allergen on the Filter**



**Cooling Operation**  
To make condensing water.



**Heating Operation**  
To give moisture to the Filter to inactivate allergen



**AIR Purify Self-Clean Operation**  
To dry up the indoor unit

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

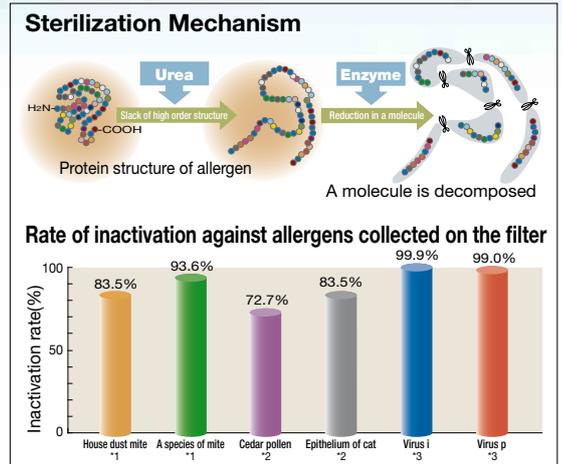
## Allergen Clear Filter

**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.

\*1 Test method: ELISA colorimetric method / ELISA fluorescent method  
Laboratory: Independent administrative agency national hospital mechanism Sagami Hospital, No.1536  
\*2 Test method: ELISA colorimetric method  
Laboratory: Independent administrative agency national hospital mechanism Sagami Hospital, No.1536  
\*3 Test method: TCID (Infection value 50%)  
Laboratory: Foundation of Kitazato Environmental Science Center, No.15-0145



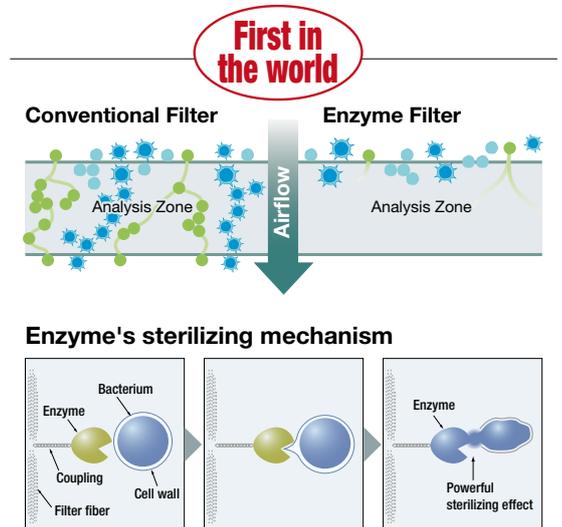
**Helps to destroy fungi and bacteria, also effective on viruses and allergenic compounds (Cat hair, dust mite, pollen etc.)**

## Natural Enzyme Filter

**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.

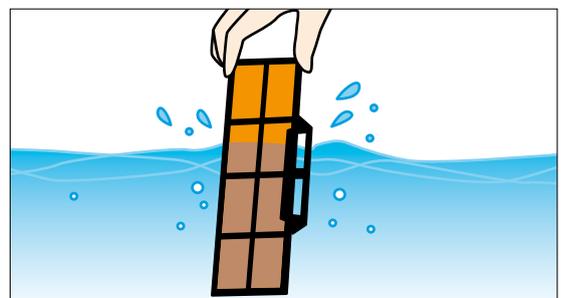


**The deodorizing ability of this filter can be easily restored simply by cleaning and exposing to the sunlight**

## Photocatalytic Washable Deodorizing Filter



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.



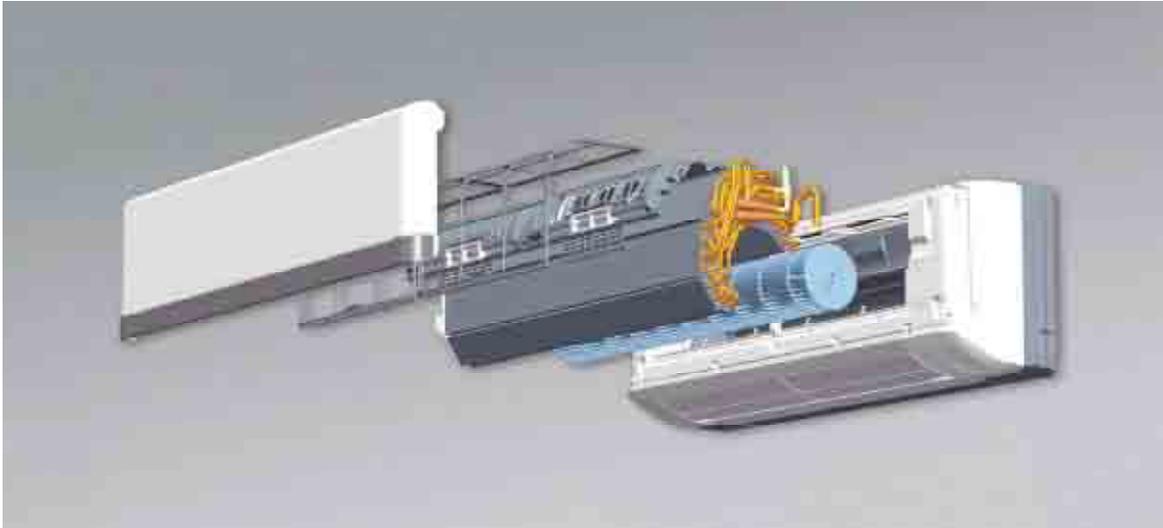
### Used in models

Filter	Indoor Unit	SRK-ZIX	SRK-ZE	SRK-ZG	SRF-ZIX
Allergen Clear Filter		1pc	1pc	1pc	—
Natural Enzyme Filter		—	—	—	1pc
Photocatalytic Washable Deodorizing Filter		1pc	1pc	1pc	1pc

Anti-microbial specifications and design will deliver cleanliness and safety

Applied models  
All SRK, SKM

## Anti-microbial indoor fan



### Anti-microbial treatment

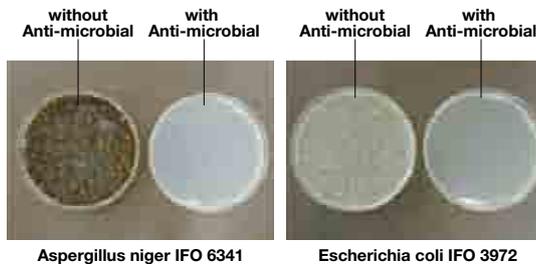
## Anti-microbial indoor fan

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 are not in operation are prevented.



Comparison of growth of bacteria and mold on fan surfaces (microscopic image)

·Intestinal bacteria (Escherichia coli IFO 3972)  
·Staphylococcus aureus subsp. aureus IFO 12732  
Testing Authority: Japan Food Analysis Center  
Test Results Issued: 2004-4-7.  
Test Report No.: 104034022-001  
Tests were conducted with reference to the antimicrobial strength tests in JIS Z 2801 2000 "Antimicrobial Products-Antimicrobial Test Method" -5.2  
Antimicrobial Effects: Test Methods for Plastic Products, etc.  
·Aspergillus niger IFO 6341  
Testing Authority: Japan Food Analysis Center  
Test Results Issued: 2004-4-23.  
Test Report No.: 104034022-002  
Tests were conducted with reference to the antimicrobial strength tests in JIS Z 2801 2000 "Antimicrobial Products-Antimicrobial Test Method" -5.2  
Antimicrobial Effects: Test Methods for Plastic Products, etc.



In tests conducted at the Mitsubishi Heavy Industries Nagoya Research Lab, 24 hrs after contact with bacteria, cultured on agar media.

### Live Bacteria Count on Measured Test Pieces

Tested Contaminant	Measurement	Test Pieces	Bacteria Count Per Test Piece		
			Measurement 1	Measurement 2	Measurement 3
Escherichia coli IFO 3972 coli	Immediately after contact	Not treated	$1.9 \times 10^5$	$1.6 \times 10^5$	$1.3 \times 10^5$
	After 24 hrs at 35°C	Test piece 1 Not treated	<10 $3.8 \times 10^6$	<10 $4.9 \times 10^6$	<10 $7.2 \times 10^6$
Staphylococcus aureus	Immediately after contact	Not treated	$1.4 \times 10^5$	$1.6 \times 10^5$	$1.3 \times 10^5$
	After 24 hrs at 35°C	Test piece 1 Not treated	<10 $8.6 \times 10^5$	<10 $4.5 \times 10^5$	<10 $3.6 \times 10^5$
Aspergillus niger	Immediately after contact	Not treated	$1.5 \times 10^4$	$2.2 \times 10^4$	$1.6 \times 10^4$
	After 24 hrs at 35°C	Test piece 1 Not treated	<10 $1.0 \times 10^4$	<10 $1.2 \times 10^4$	<10 $2.5 \times 10^4$

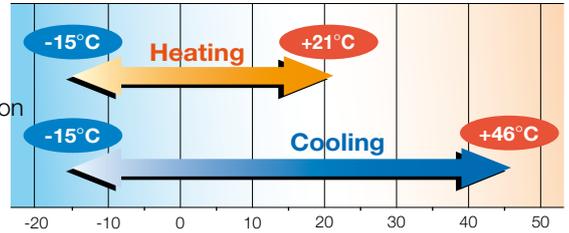
Test Pieces 1) Products with Antimicrobial and Antifungal Treatment

Applied models  
SRK-ZIX, SRK-ZE,  
SRK-ZG, SCM-ZG

## Wide Operation Range

### Heating and cooling operations are possible at an outdoor temperature as low as $-15^{\circ}\text{C}$

Our new 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  $-15^{\circ}\text{C}$ .



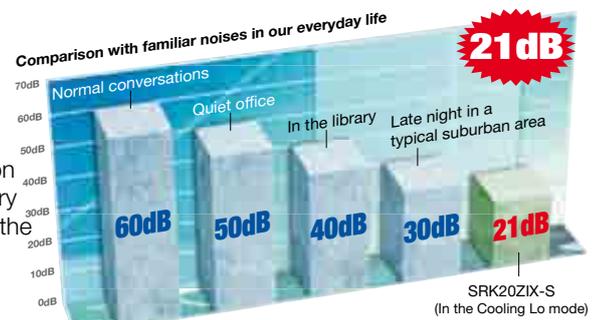
\*For the capacities under low temperature conditions, refer to technical manual.

### High quality air long reach & silent flow

## Quiet operation

### This is the secret of quiet operation

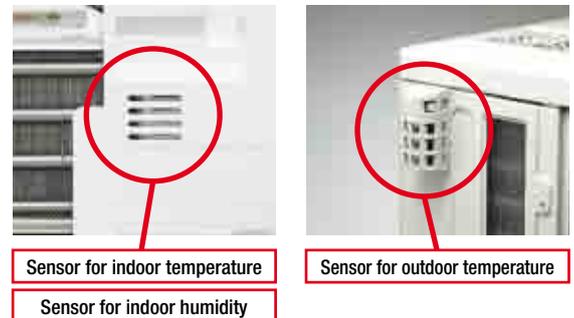
The combination of the jet airflow system and serration stabilizer configuration ensures uniform breeze to every corner of the room. It also makes it possible to lower the operation noise further by minimizing the interaction between airflow and the fan.



Applied models  
SRK50/60ZIX,  
SRF-ZIX

## Three sensors

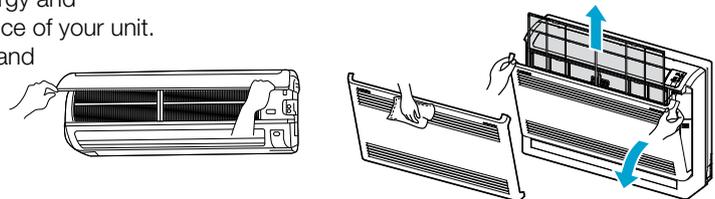
Control of room temperature and humidity is very important for people to live a comfortable life. Use of three sensors to control indoor temperature, indoor humidity and outdoor temperature enable the unit to obtain optimum air-conditioning.



Applied models  
All SRK, SKM,  
SRF

## Washable filter and easy cleaning of air inlet panel

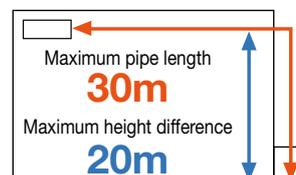
Removing the air filter is quite easy. Keeping the air filter clean is an effective way to save energy and keep the original powerful performance of your unit. The air inlet panel is also removable and can be cleaned easily.



Applied models  
SRK50/60ZIX,  
SRK-ZE

## Long piping length

Piping length has been extended and design flexibility has been improved.





Model		Capacity Range (kW : Rated cooling capacity)										
		2.0	2.5	2.8	3.5	4.0	5.0	5.6	6.0	6.3	7.1	8.0
HEAT PUMP DC INVERTER	<b>SRK-ZIX series</b> <b>NEW</b> 	 20ZIX-S	 25ZIX-S		 35ZIX-S		 50ZIX-S		 60ZIX-S			
	<b>SRF-ZIX series</b> <b>NEW</b> Floor Standing type 		 25ZIX-S		 35ZIX-S		 50ZIX-S					
	<b>SRK-ZE series</b> 									 63ZE-S1	 71ZE-S1	 80ZS1-X
	<b>SRK-ZG series</b> 	 20ZG-S	 25ZG-S		 35ZG-S							

# 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 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.

## Comfortable Functions



### Fuzzy Auto Mode

Automatically the unit determines its operating mode and temperature and 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 operation immediately. 'Hot spurt' a fast heating system that works to increase the temperature setting by two degrees. 'Hot keep' 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



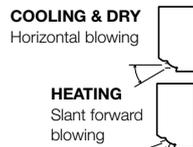
### 3D Auto

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 reach all corners of the room.

#### COOLING & DRY

Thick line — : moves quickly  
Thin line — : moves slowly

#### HEATING

Thick line — : moves quickly  
Thin line — : moves slowly



### 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 operation.

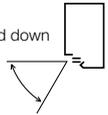


### Up/Down Flap Swing

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

#### SWING FLAP

Flap moves up and down continuously.



### 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.



### Positioning of Installation

You can set the left-right air flow directions when you installed 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 set temperature at ON time.



### 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.



### Economy Mode

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



### Off Timer

The unit stops at the specified time.



### Dry Operation

The unit dehumidifies the room by intermittent cooling operation.



### Sleep Mode

The room temperature is automatically controlled during that 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.



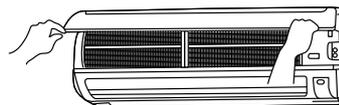
### Self-Diagnostic Function

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 reason, 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.



### 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.



### Auto Restart Function

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



### 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.

# SRK-ZIX series



**NEW**

SRK20ZIX-S, SRK25ZIX-S, SRK35ZIX-S  
SRK50ZIX-S, SRK60ZIX-S



SRC20ZIX-S, SRC25ZIX-S, SRC35ZIX-S

SRC50ZIX-S, SRC60ZIX-S

## FUNCTION

**Comfortable Functions**

- Allergen Filter
- SUN Filter
- Fuzzy Auto
- HI POWER

**Comfortable Air Flow Functions**

- 3D Auto
- Auto Flap
- Memory
- UP/DOWN
- Lateral Swing
- Positioning of installation

**Convenient & Economy Functions**

- Economy
- DRY
- OFF Timer
- Sleep
- On 24h Timer
- On Timer

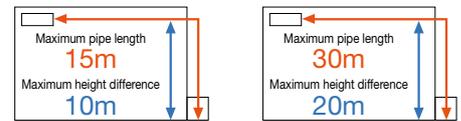
**Maintenance & Prevention Functions**

- MC
- Self Diagnostic
- Detachable

**Others**

- Back-up Switch
- Auto Restart
- 24h-ON
- Luminous

## Refrigerant pipe length



SRK20ZIX-S  
SRK25ZIX-S  
SRK35ZIX-S

SRK50ZIX-S  
SRK60ZIX-S

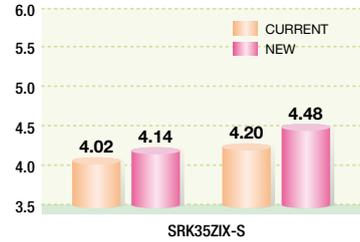
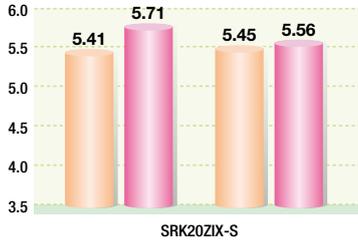
## SPECIFICATIONS

Model		SRK20ZIX-S	SRK25ZIX-S	SRK35ZIX-S	SRK50ZIX-S	SRK60ZIX-S
operational data	Rated Capacity Cool/Heat	kW	2.0/2.4	2.55/3.00	3.5/4.2	5.0/6.0
	Power Input Cool/Heat	kW/h	0.35/0.435	0.48/0.57	0.845/0.945	1.30/1.35
	EER/COP Cool/Heat		5.71/5.52	5.21/5.26	4.14/4.44	3.85/4.44
	Energy label Cool/Heat	Stars	6/6	6/6	6/6	6/6
	Current Cool/Heat (MAX)	Amp	1.9/2.3	2.4/2.9	4.0/4.5	6.0/6.2 (10)
	Sound Pressure Level Hi/Lo Fan		39/21	41/22	43/22	45/26
	Airflow Cool/Heat Hi Fan	l/s	192/200	208/217	225/233	225/275
	H2	kW	3.2	3.4	3.9	6.3
	H2 Power Input	kW/h	0.96	1.04	1.23	2.06
H2 COP		3.33	3.27	3.17	3.06	
indoor	Dimensions (hxwx d)	mm	309x890x220			
	Weight	kg	15			
	Filters		Allergen Clear x 1 Photocatalytic Washable Deodorising x 1			
	Drain Hose	mm ø	16			
outdoor	Power Source		1 Phase 240V 50Hz			
	Dimensions (hxwx d)	mm	590x780(62)x290		640x800(71)x290	
	Weight	kg	38		43	
	Sound Pressure Level		47	50	48	51
	Sound Power Level (AS/NZS1217.4)	dB(A)	60	63	62	65
	Compressor		Rotary		Scroll	
	Refrigerant R410A	kg	1.2		1.4	
Refrigerant Piping	mm ø	6.35/9.52		6.35/12.7		

# Inverter Heat Pump Model (High COP)

## Industry leading COP levels

Our new models, SRK20/25/35ZIX-S have reached perhaps the highest level of COP (coefficient of performance) in the industry. There was a full model change both of indoor and outdoor units. Our advanced technologies have been applied to our larger models: SRK50/60ZIX-S.



## Movable air inlet panel

By applying a movable air inlet panel, minimization of air resistance and advanced design are achieved.

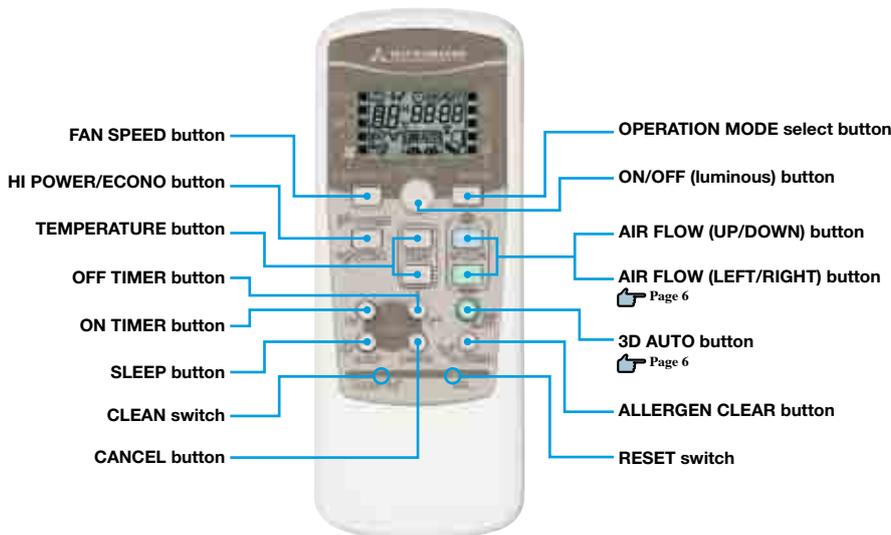
## Unification of indoor unit design

All the ZIX series have the same design for indoor units with a sophisticated flat front panel.



## Remote control

### Operation section



The above illustration shows all controls, but in practice only the relevant parts are shown.

# SRF-ZIX series



SRC25ZIX-S, SRC35ZIX-S

SRC50ZIX-S

**NEW** SRF25ZIX-S, SRF35ZIX-S, SRF50ZIX-S

## The highest COP level in the industry

Our experience, research and development efforts with the floor standing series have enabled us to reach the highest COP level in the industry. All models clear the 2010 MEPS level by a wide margin. Indoor units are totally new design with optimum balance of air outlet direction and sufficient air flow volume.

### FUNCTION

**Comfortable Functions**

- Enzyme Filter
- SUN Filter
- Fuzzy
- Auto
- HI POWER

**Comfortable Air Flow Functions**

- Auto Flap
- Memory
- UP/DOWN
- Air outlet selection

**Convenient & Economy Functions**

- Economy
- DRY
- OFF Timer
- Sleep
- 24h Timer On
- 24h Timer Off

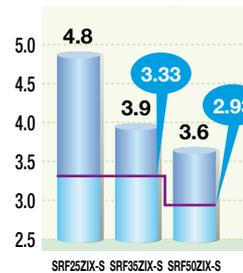
**Maintenance & Prevention Functions**

- MC
- Self Diagnostic
- Detachable

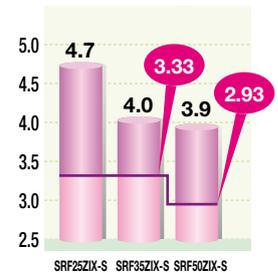
**Others**

- Back-up Switch
- Auto Restart
- 24h-ON
- Luminous

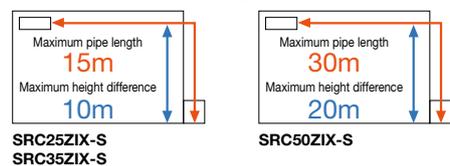
### EER in Cooling



### COP in Heating



### Refrigerant pipe length



### SPECIFICATIONS

Model		SRF25ZIX-S	SRF35ZIX-S	SRF50ZIX-S	
operational data	Rated Capacity Cool/Heat	kW	2.5/3.4	3.5/4.5	5.0/6.0
	Power Input Cool/Heat	kW/h	0.521/0.723	0.980/1.124	1.390/1.540
	EER/COP Cool/Heat		4.80/4.70	3.93/4.00	3.60/3.90
	Energy label Cool/Heat	Stars	6/6	6/6	5.5/5.5
	Current Cool/Heat (MAX)	Amp	2.6/3.6	4.1/5.2	6.4/7.1
	Sound Pressure Level Hi/Lo Fan		38/26	39/28	35/30
	Airflow Cool/Heat Hi Fan	l/s	150/175	153/178	192/200
	H2	kW	3.6	3.9	6.2
	H2 Power Input	kW/h	1.100	1,270	2.100
H2 COP		3.273	3.071	2.952	
indoor	Dimensions (hwxwd)	mm	660x860x238		
	Weight	kg	18	19	
	Filters		Natural Enzyme x 1 Photocatalytic Washable x 1		
	Drain Hose	mm ø	16		
outdoor	Power Source		1 Phase 240V 50Hz		
	Dimensions (hwxwd)	mm	590x780(62)x290		640x800(71)x290
	Weight	kg	38		43
	Sound Pressure Level		47	50	48
	Sound Power Level (AS/NZS1217.4)	dB(A)	60	63	62
	Compressor		Rotary		Scroll
	Refrigerant R410A	kg	1.2		1.4
Refrigerant Piping	mm ø	6.35/9.52		6.35/12.7	

# Inverter Heat Pump Model (High COP)

## Sophisticated Design

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

## Quiet Operation

The optimum balance of air outlet direction and sufficient air flow volume means the sound level has been minimized. The level of SRF25ZIX-S in the cooling lo mode is 26dB(A) only.



## Auto air outlet selection

### Heating operation:

When both lower and upper outlets operation with 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:

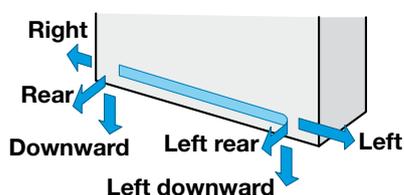
When both lower and upper outlets operation is selected in Cooling or Dry operation, both outlets are kept open for sixty minutes after the start or until room temperature is below set point. Then the air outlet will change to the upper outlet. That state will be maintained until unit is switched off.

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.



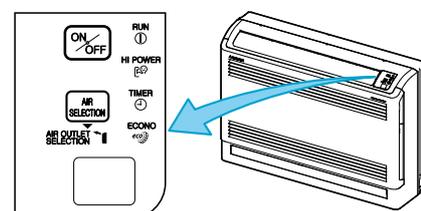
## Installation workability

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 arranged by a remote control.



# SRK-ZE series

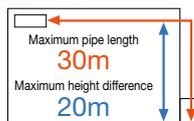


SRK63ZE-S1, SRK71ZE-S1  
SRK80ZE-S1



SRC63ZE-S1, SRC71ZE-S1  
SRC80ZE-S1

### Refrigerant pipe length



SRK63ZE-S1  
SRK71ZE-S1

### FUNCTION



### Comfortable Functions



### Comfortable Air Flow Functions



### Convenient & Economy Functions



### Maintenance & Prevention Functions



### Others



### SPECIFICATIONS

Model			SRK63ZE-S1	SRK71ZE-S1	SRK80ZE-S1
operational data	Rated Capacity Cool/Heat	kW	6.3/7.1	7.1/8.0	8.0/9.0
	Power Input Cool/Heat	kW/h	1.84/1.86	2.21/2.21	2.84/2.74
	EER/COP Cool/Heat		3.4/3.8	3.2/3.6	2.82/3.29
	Energy label Cool/Heat	Stars	5/5	4.5/4.5	3/3.5
	Current Cool/Heat (MAX)	Amp	8.0/8.1 (12)	9.6/9.6 (14)	12.5/11.7 (16)
	Sound Pressure Level Hi/ULo Fan		43/26	45/26	46/26
	Airflow Cool/Heat Hi Fan	l/s	310/350	333/375	350/375
	H2	kW	7.0	7.3	7.8
	H2 Power Input	kW/h	2.39	2.69	2.98
H2 COP		2.9	2.7	2.6	
indoor	Dimensions (hwxwd)	mm	318x1098x248		
	Weight	kg	15		
	Filters		Allergen Clear x 1 Photocatalytic Washable Deodorising x 1		
	Drain Hose	mm ø	16		
outdoor	Power Source		1 Phase 240V 50Hz		1 Phase 230V 50Hz
	Dimensions (hwxwd)	mm	750x880x340		
	Weight	kg	59		
	Sound Pressure Level		47	56	58
	Sound Power Level (AS/NZS1217.4)	dB(A)	58	67	69
	Compressor		Twin Rotary		
	Refrigerant R410A	kg	1.9		
Refrigerant Piping	mm ø	6.35/15.88			

# SRK-ZG series

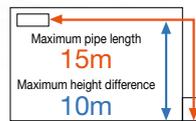


SRK20ZG-S, SRK25ZG-S  
SRK35ZG-S



SRC20ZG-S, SRC25ZG-S  
SRC35ZG-S

### Refrigerant pipe length



SRK20ZG-S, SRK25ZG-S  
SRK35ZG-S

### FUNCTION



#### Comfortable Functions



#### Comfortable Air Flow Functions



#### Convenient & Economy Functions



#### Maintenance & Prevention Functions



#### Others



### SPECIFICATIONS

	Model		SRK20ZG-S	SRK25ZGA-S	SRK35ZGA-S
operational data	Rated Capacity Cool/Heat	kW	2.0/2.7	2.5/3.4	3.5/4.2
	Power Input Cool/Heat	kW/h	0.44/0.62	0.62/0.93	1.05/1.14
	EER/COP Cool/Heat		4.55/4.35	4.03/3.66	3.33/3.68
	Energy label Cool/Heat	Stars	6/6	6/5	5/5.5
	Current Cool/Heat (MAX)	Amp	2.2/2.8	2.9/4.1	4.5/4.9
	Sound Pressure Level Hi/Lo Fan		35/21	36/22	40/23
	Airflow Cool/Heat Hi Fan	l/s	127/145		141/180
	H2	kW		3.0	3.7
	H2 Power Input	kW/h		1.15	1.09
H2 COP			2.6	3.4	
indoor	Power Source		1 Phase 240V 50Hz		
	Dimensions (hxwx d)	mm	268x790x199		
	Weight	kg	8.5		
	Filters		Allergen Clear x 1 Photocatalytic Washable Deodorising x 1		
outdoor	Drain Hose	mm ø	16		
	Dimensions (hxwx d)	mm	540x780x290		
	Weight	kg	35		
	Sound Pressure Level		47		48
	Sound Power Level (AS/NZS1217.4)	dB(A)	58		62
	Compressor		Rotary		
	Refrigerant R410A	kg	0.9		1.2
Refrigerant Piping	mm ø	6.35/9.52			

# SRK-CHVA series

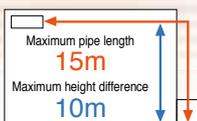


SRK10CHVA



SRC10CHVA

## Refrigerant pipe length



SRK10CHVA

## FUNCTION



Comfortable Functions



Comfortable Air Flow Functions



Convenient & Economy Functions



Maintenance & Prevention Functions



Others



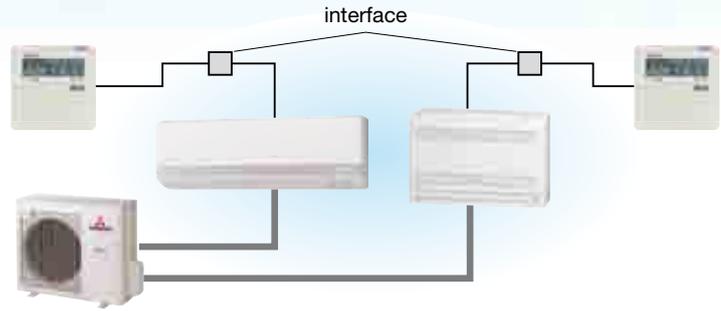
## SPECIFICATIONS

	Model		SRK10CHVA
operational data	Rated Capacity Cool	kW	2.65
	Power Input Cool	kW/h	0.77
	EER		3.44
	Energy Label Cool	Stars	5
	Current Cool	Amp	3.5
	Sound Pressure Level Hi/Lo Fan		36/22
	Airflow Hi Fan	l/s	166
indoor	Power Source		1 Phase 240V 50Hz
	Dimensions	mm	268x790x224
	Weight	kg	8.5
	Filters		Natural Enzyme x 1, Photocatalytic Washable Deodorising x 1
	Drain Hose	mm ø	16
outdoor	Dimensions	mm	540x780x290
	Weight	kg	30
	Sound Power Level (AS/NZS1217.4)	dB(A)	58
	Compressor		Rotary
	Refrigerant R22	kg	0.75
	Refrigerant Piping	mm ø	6.35/9.52

# Wired remote control can be connected

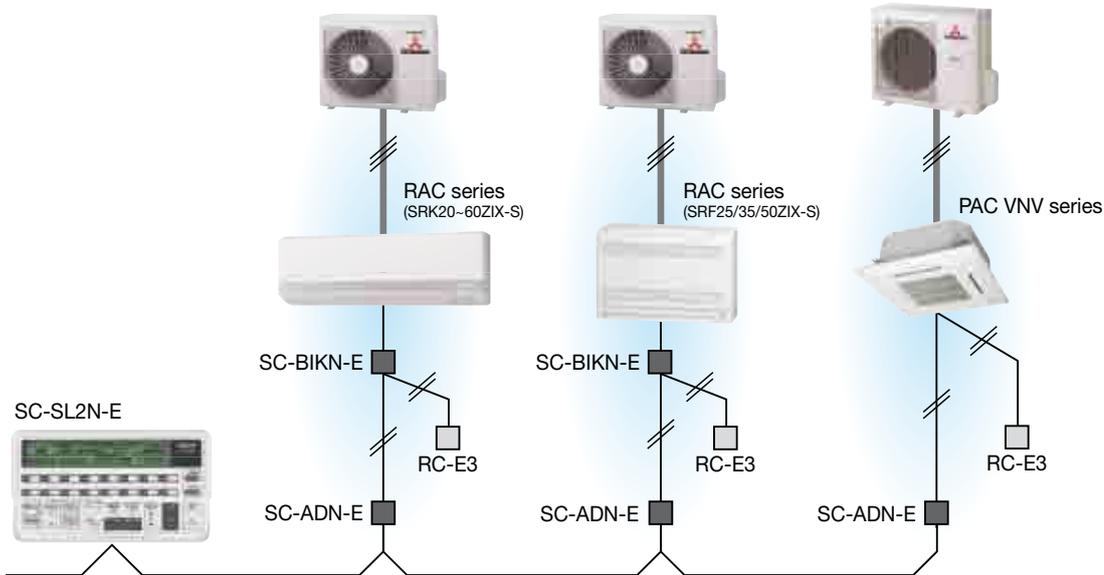
Wired remote control can be connected

Model	Interface	Remote Control
SRK63/71/80ZE-S1 SKM60/71ZG-S SRRM, STM	not required	RC-E1R
SRK20~50ZG-S SKM20~50ZG-S	SC-BIK1-E	
SRK20~60ZIX-S SRF25~50ZIX-S	SC-BIKN-E	RC-E3

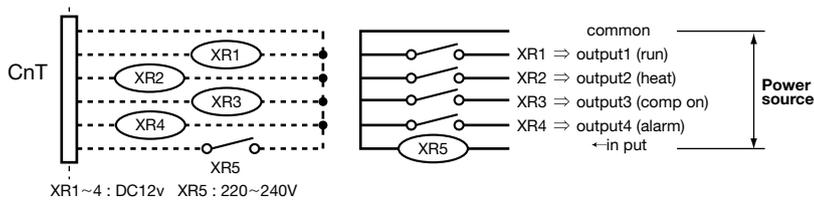


# Can be connected to SUPERLINK- II

Model	Interface	Remote Control
SRK20~60ZIX-S SRF25~50ZIX-S	SC-BIKN-E SC-ADN-E	RC-E3



# CnT terminal is equipped



Remote surveillance system



Card key on-off



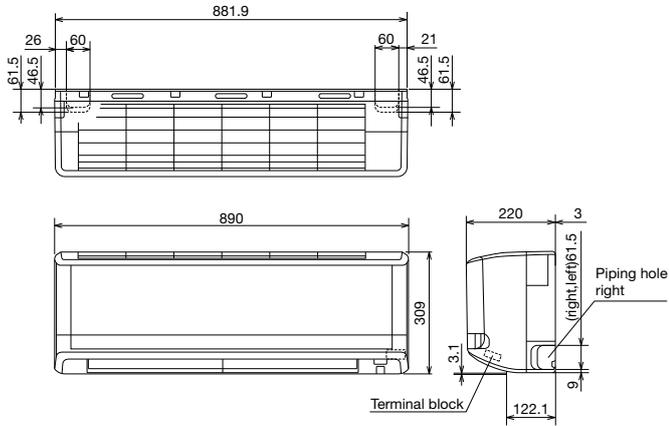
Humidifier linkage

## INDOOR UNIT

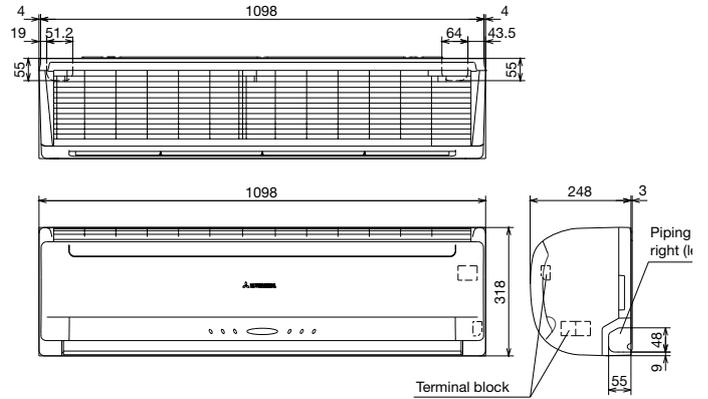
Unit: mm

### Wall mounted type

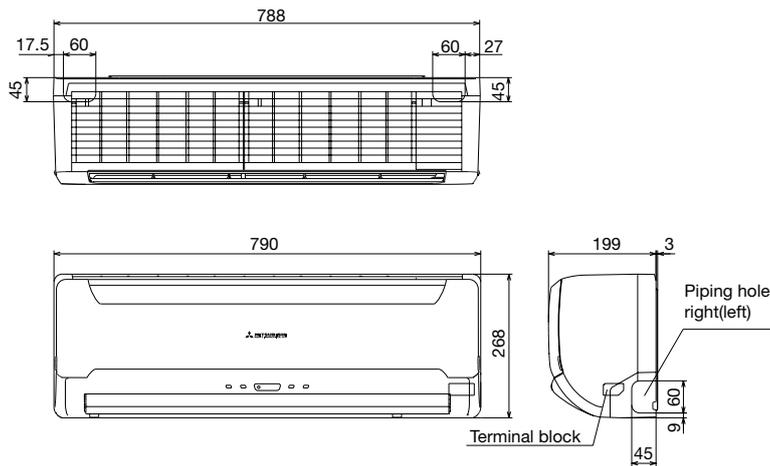
SRK20ZIX-S SRK25ZIX-S SRK35ZIX-S  
SRK50ZIX-S SRK60ZIX-S



SRK63ZE-S1 SRK71ZE-S1 SRK80ZE-S1

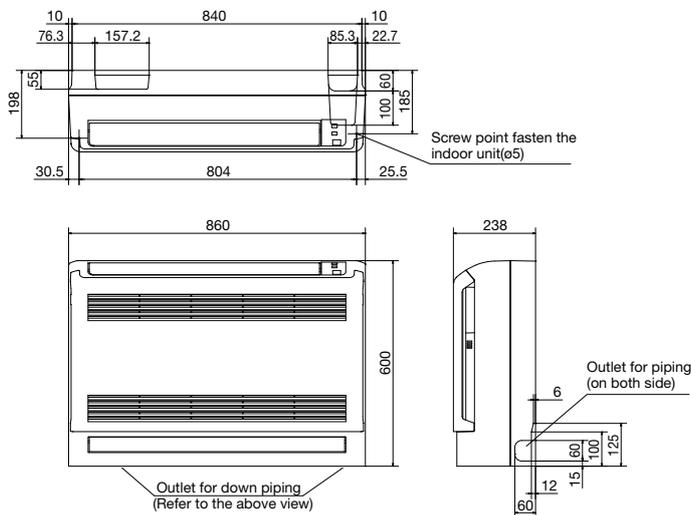


SRK20ZG-S SRK25ZG-S SRK35ZG-S



### Floor standing type

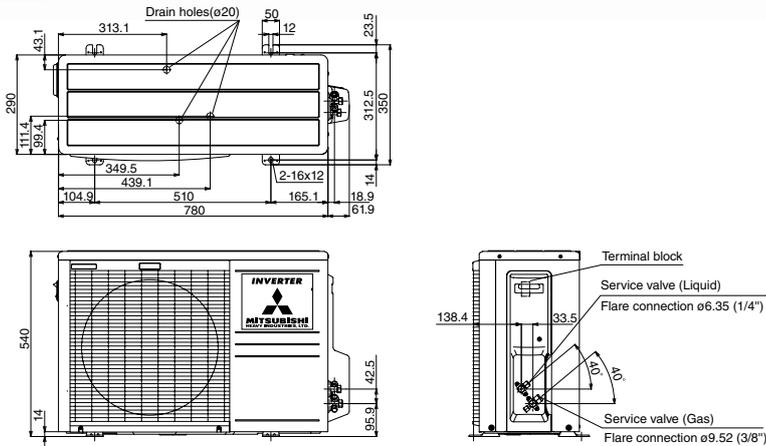
SRF25ZIX-S SRF35ZIX-S SRF50ZIX-S



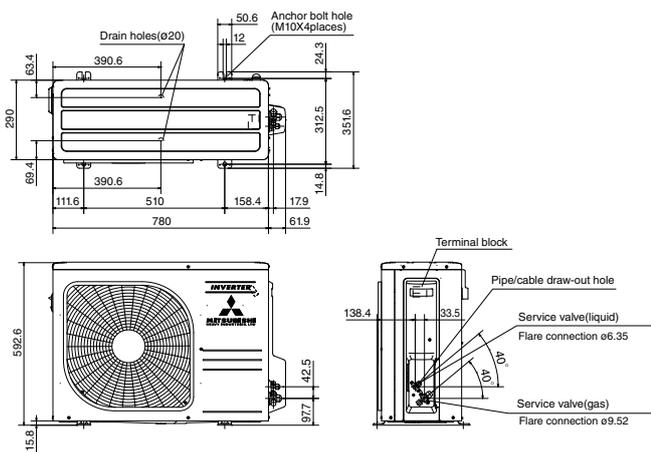
# OUTDOOR UNIT

Unit: mm

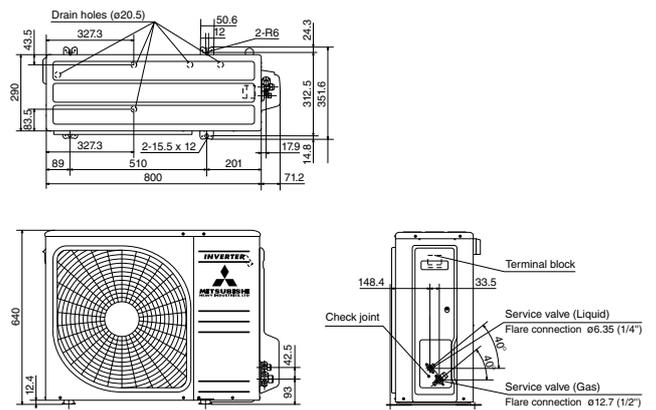
## SRC20ZG-S SRC25ZG-S SRC35ZG-S



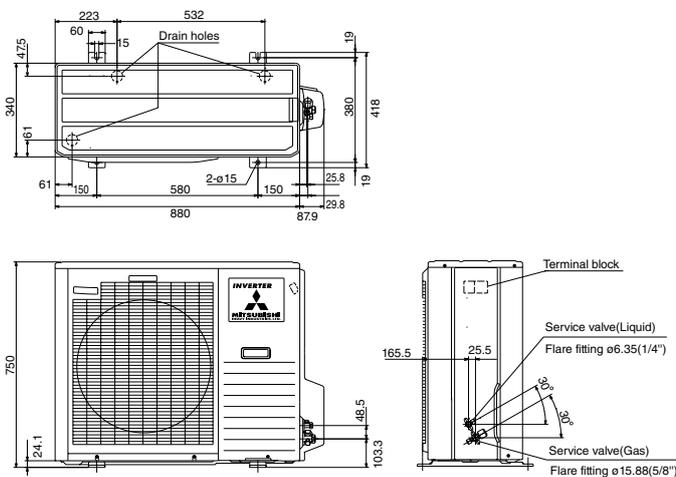
## SRC20ZIX-S SRC25ZIX-S SRC35ZIX-S



## SRC50ZIX-S SRC60ZIX-S



## SRC63ZE-S1 SRC71ZE-S1 SRC80ZE-S1



# FD series - Inverter Packaged System



**FDTC**



**FDE**



**FDUM**



**FDT**



**FDC**

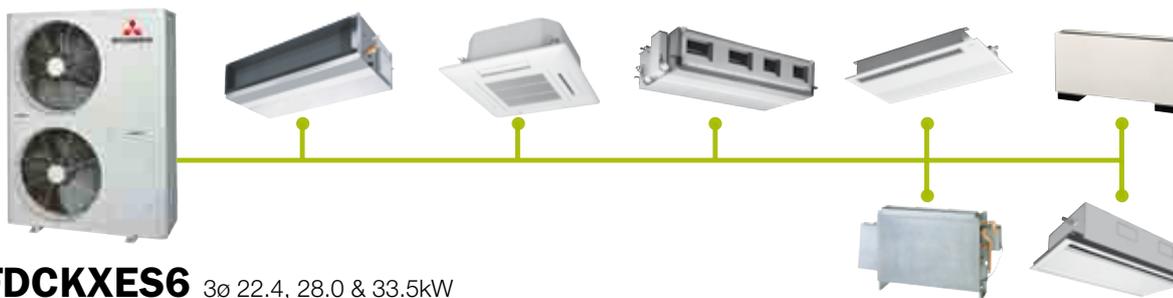


**FDU**

## KX6 M series - VRF Inverter Multi System



**FDCKXEN6** 1ø 11.2, 14.0 & 15.5kW (heat pump only)



**FDCKXES6** 3ø 22.4, 28.0 & 33.5kW



- 11.2 to 136kW
- 2 and 3 pipe VRF systems
- Industry leading EER/COP
- Reduced footprint outdoors
- 69 indoor units available
- Power cost distribution
- Evolution design tool
- 3 year warranty (conditional)
- 1000m total pipe run
- All compressors are inverter control
- BAC net® LonWorks® interface Web Gateway options
- New SLA3 colour touch screen controls up to 128 indoors



**FDCKXES6** 3ø 40.0 - 136.0kW

## Before starting use

### Heating performance

The heating performance values (kW) described in catalog are the values obtained by operating at an outdoor temperature of 7°C and indoor temperature of 20°C 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 an acidic atmosphere such as hot spring areas having a high level of sulfuric gases or in an 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 inflammable 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, 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 a 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.



**MITSUBISHI HEAVY INDUSTRIES**  
**AIR-CONDITIONERS AUSTRALIA, PTY. LTD.**

ABN 92 133 980 275

### National Contact Information:

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Fax: 1800 644 329

[www.mhial.com.au](http://www.mhial.com.au)

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PO Box 124, Virginia QLD 4014

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### MRE SPARE PARTS

[www.mrespareparts.com.au](http://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).



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



MITSUBISHI HEAVY INDUSTRIES-  
MAHAJAK AIR CONDITIONERS CO., LTD.  
Certified ISO 9001  
Certificate Number: 04100 1988 0813

#### ISO14001

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



BIWAJIMA PLANT  
Mitsubishi Heavy Industries, Ltd.  
Air-conditioning & Refrigeration Systems Headquarters  
Certified ISO 14001  
Certificate number: JGA-EM0256



MITSUBISHI HEAVY INDUSTRIES-  
MAHAJAK AIR CONDITIONERS CO., LTD.  
Certified ISO 14001  
Certificate Number: 04104 1988 0813 E5

