

High Performance
RESIDENTIAL
AIR-CONDITIONING
2017



SRseries

Residential Air Conditioners

50Hz
17R01E-A



Elegant Timeless Design

The new ZSX and ZS series air-conditioners have been stylishly designed with rounded contours that fit beautifully into any of Europe's diverse interior settings. The design was created by the Italian industrial design studio Tensa srl, based in Milan, to respond to a broad spectrum of local user needs.



ZSX series

ZS series colour variations available

Users can choose the model from three different colours allowing more choice depending on the style of the room.



Pure White



Black & White



Titanium

Leading energy efficiency and high reliability with Mitsubishi Heavy Industries advanced technology.

What kind of solution Mitsubishi Heavy Industries Air-Conditioner can offer?

- Keep comfort by quick cool-down/warm-up
- Energy saving for sustainable society
- Comfort Interior
- Reliable electrical appliance for long term use

Mitsubishi Heavy Industries advanced technology can provide a variety of solutions.



Energy Saving

High energy saving with comfort air conditioning ; provides the user with multiple solutions between comfort and energy savings.

All the models can achieve high energy efficiency by use of Mitsubishi Heavy Industries technology, such as high performance compressor, DC PAM inverter technology.








































Quiet and Comfort

Mitsubishi Heavy Industries Thermal Systems offers a unique modest air conditioner; quiet and comfortable which provides precise air flow and capacity control.

































Clean Air

Allergen clear operation cleans air using a control scheme unique to Mitsubishi Heavy Industries Thermal Systems. Furthermore, a wide array of air purification filters and self-cleaning operation helps keep the room air clean.

PRODUCT LINE UP

Model		Capacity Range				
		2.0kW	2.5kW	3.5kW	4.0kW	
INVERTER HEAT PUMP MODEL	 SRK-ZSX P18	 	 	 		
	 SRK-ZR P20					
	 SRK-ZS P21	 	 	 		
	 SRK-ZMP P22		 	 		
	 SRF-ZMX P23		 	 		
	SRR-ZM P24		 	 		
	FDTC-VF P25		 	 	 	
INVERTER MULTI-SPLIT MODEL	 SKM-ZSP P30					
	SRR-ZM P31					
	FDUM-VF P31					
	FDE-VG P31					

		4.0kW	4.5kW	5.0kW	6.0kW	7.1kW
INVERTER MULTI-SPLIT	OUTDOOR UNIT SCM ^{*2} P27	 	 	 	 	 

(kW : Rated cooling capacity)							
	4.5kW	5.0kW	6.0kW	6.3kW	7.1kW	8.0kW	10.0kW
		 Single Multi 	 Single Multi 				
				 	 Single Multi 	 	 NEW 
		 Single Multi 	Colour variations available  Black & White  Titanium				
	 						
		 Single Multi 					
		 Single Multi 	 Single Multi 				
		 	 				
		 					
		 					

8.0kW	10.0kW	12.5kW
 	 	 

*1 Common use for both Single and Multi.

*2 Energy class depends on connected indoor units.

*3 Energy label applies below cooling capacity 12kW.

HIGH EFFICIENCY

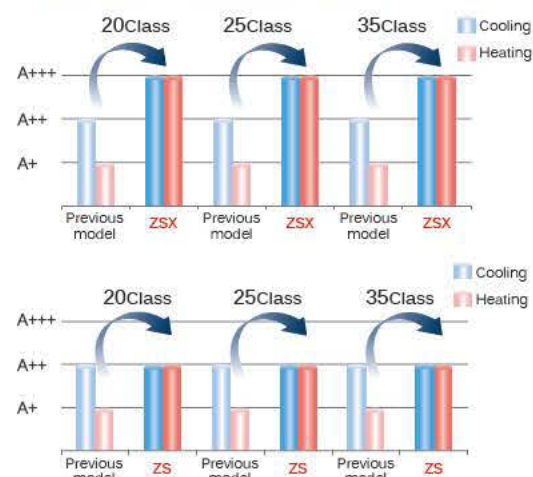
Consideration for the Environment

Several radical design changes and engineering developments have brought about a vast improvement in energy efficiency and environmental protection.

High efficient Performance: up to Class A +++

Mitsubishi Heavy Industries Thermal Systems classes its entire range with seasonal domestic energy factors that display energy ratings from A + to A +++. Important energy savings in both cooling mode and heating are achieved thanks to its DC PAM Inverter technology and DC twin rotary compressor. (ZSX series)

Higher Energy class (SEER/SCOP)



QUICK & HIGH EFFICIENCY Control

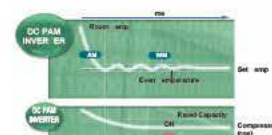
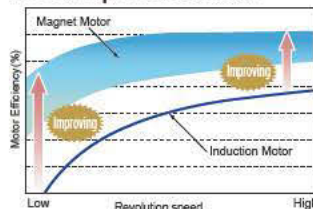
DC PAM inverter

An inverter driven system has a number of performance advantages over a constant speed system. For example, its variable compressor outputs can ensure quick heating after a startup and attain a set temperature more quickly.

The air conditioner can then slow down its compressor speed to save energy, keeping comfortable conditions. Moreover, the compressor is DC driven, so it provides higher performance.



DC compressor motor



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



Vector Inverter Control

The inverter control, with the advanced vector control technology, functions at high efficiency.

- Smooth operation from low speed to high speed
- Smooth Sine Voltage Wave form are attained
- Energy efficiency is further improved in low speed range

HIGH EFFICIENCY

DC Twin Rotary Compressor

The newly developed DC twin rotary compressor performs highly efficient operation under the wide range conditions from low speed to high speed.

Besides low vibration, low sound level and high efficiency can be also achieved by the optimization of mechanical parts dimension and by the application of high power Neodymium motor.



Featured on all models of ZSX series

ENERGY SAVING



Eco Operation **NEW**

Automatic energy saving control is done by detecting human activity. Human activity is detected by infra-red sensor which is installed in the unit. Air conditioner adjust its cooling/heating capacity according to low/high demand. Economy Cooling operation, Air conditioner controls its capacity lower and goes into energy saving control when low activity is detected. Economy Heating operation, Air conditioner controls its capacity lower and goes into energy saving control when high activity is detected. When the sensor detects that no people are present in the room, the unit will automatically reduce the power used to a moderate level after approximately 15 minutes and return to normal operation once people return to the room.

In a cooling operation



It is set to moderate operation when there is little movement in the room.

In a heating operation



It is set to moderate operation when there is a lot of movement in the room.

Auto Off **NEW**

Air conditioner stop operation and goes to "stand-by" mode after 1-hour absence. It turns ON again when human activity is detected within 12-hour, or turned OFF after 12-hour absence. *Can also be set to turn OFF after two hours.

Absent



Moderate operation

It suppresses the power when there is nobody present in the room.

After 1-hour



Stand-by

You do not need to worry, even if you forget to turn off the power. Air-conditioner keeps stop until human activity is detected.

Come back to room



Normal operation turn ON again

Automatically operates in the preset mode if you return to the room in twelve hours.

Fuzzy Auto Operation

The temperature and humidity sensors check room conditions.

The unit automatically controls the operation mode and the setting temperature to operate efficiently.

Operation mode and cooling/heating capacity is controlled automatically according to one setting temperature.

Fuzzy auto operation offers automatic comfort temperature control even if weather condition changes quickly.

* This page is mainly described ZSX series.

AIR FLOW

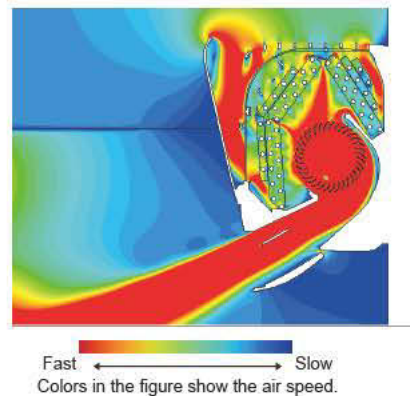
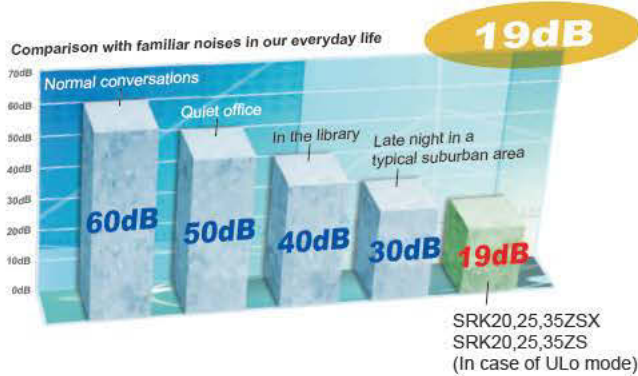
Jet Technology Quiet Air Flow & Long Reach

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

CFD (computational fluid dynamics), used in blade shape design of jet engines, has been applied to the design of air channels in air conditioners to develop the ideal air channel system (air circulation). The jet air stream generated by this air channel system can bring large volume air without consuming much power. While at the same time, it delivers a uniform gentle breeze to every corner of the room.



(C)Mitsubishi Aircraft Corporation



Long Reach Air Flow

Long reach air flow is realized by Jet technology. Good for large living rooms and shops, which increases comfort.



Double Flap Large and Small

Double flaps can control optimized air flow, horizontal and long reach air flow in cooling, strong and downward air flow in heating, which can produce comfort room temperature condition.





3D AUTO Vertical + Horizontal

Multi motors make 3 independent controls

3D AUTO is one touch programmed and multi motors make three independent air flow controls.

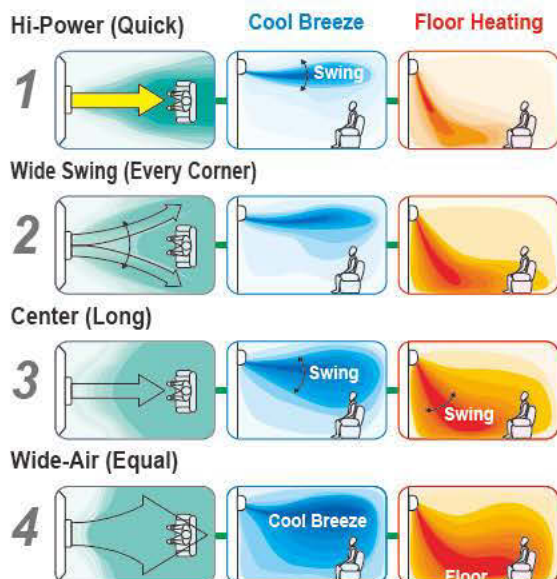
The uniform and quiet airflow can be delivered to every corner of the room, achieving economical operation and minimizing energy loss.



Programmed air distribution



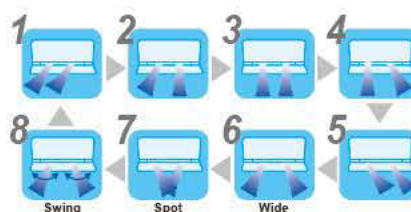
Programmed 3D AUTO



Thanks to automatic control of air flow volume and air flow direction, comfortable air conditioning of the entire room can be done effectively.

The cooled air flows directly to the ceiling in cooling operation mode, not directly at the occupants of the room. Comfort cooled air flow comes via the ceiling like a cool breeze. In the heating mode, warm air flow can be sent down to the floor directly. The warm air then spreads along the floor achieving optimum comfort.

Horizontal swings in 8 directions



The airflow direction from the right and left louvers can be controlled individually. Eight different air flow patterns can be selected.

* This page is mainly described ZSX series.

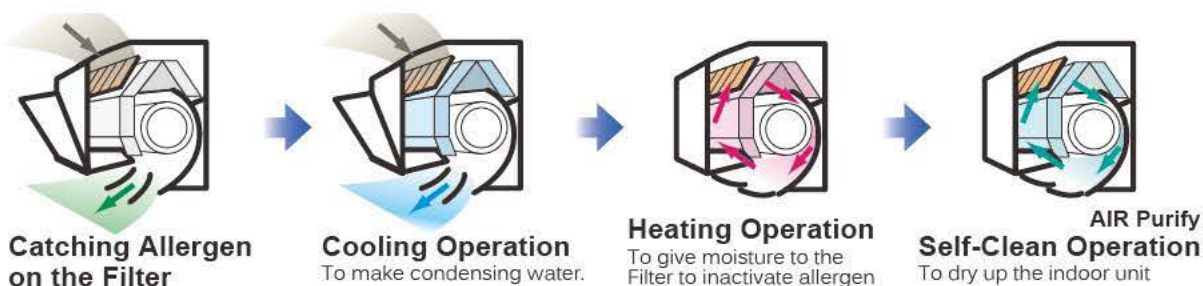
CLEAN AIR

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

Allergen Clear Operation

This can be activated by pressing the "allergen" button on the remote control and lasts 90 minutes before stopping automatically. It neutralizes all the bacteria collected on the surface of the anti-allergenic filter thanks to its sophisticated interaction between temperature and humidity controls.

Push ALLERGEN Mode



Self Clean Operation

Self clean operation is operated for 2 hours after the unit has stopped its normal operation.

The indoor unit is dried up and the growth of mold is restrained.

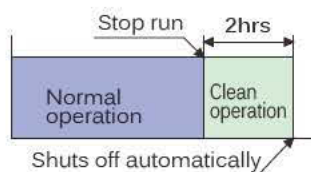
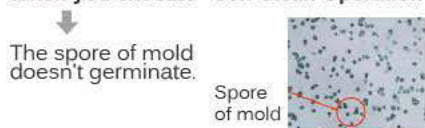
Users can select whether this mode is utilized or not.

Situation of mold after one week

When you don't execute "Self Clean Operation"



When you execute "Self Clean Operation"



Allergen Clear Filter

Enzyme + Urea deactivates allergens and bacteria.



The allergen clear filter breaks down the pollen^{*1}, lice^{*1}, and allergens that live on cat skins, etc. and deactivates them. The secret of deactivation is the Enzyme-urea compound. It deactivates not only allergens but also all kinds of bacteria^{*2}, molds and viruses^{*3}. Even if allergens and bacteria, etc. fly of the filter, they are deactivated, so the air in your room is kept fresh.

^{*1} Test method:
ELISA colorimetric method Laboratory:
Independent administrative agency
national hospital mechanism
Sagamihara Hospital, No.1536

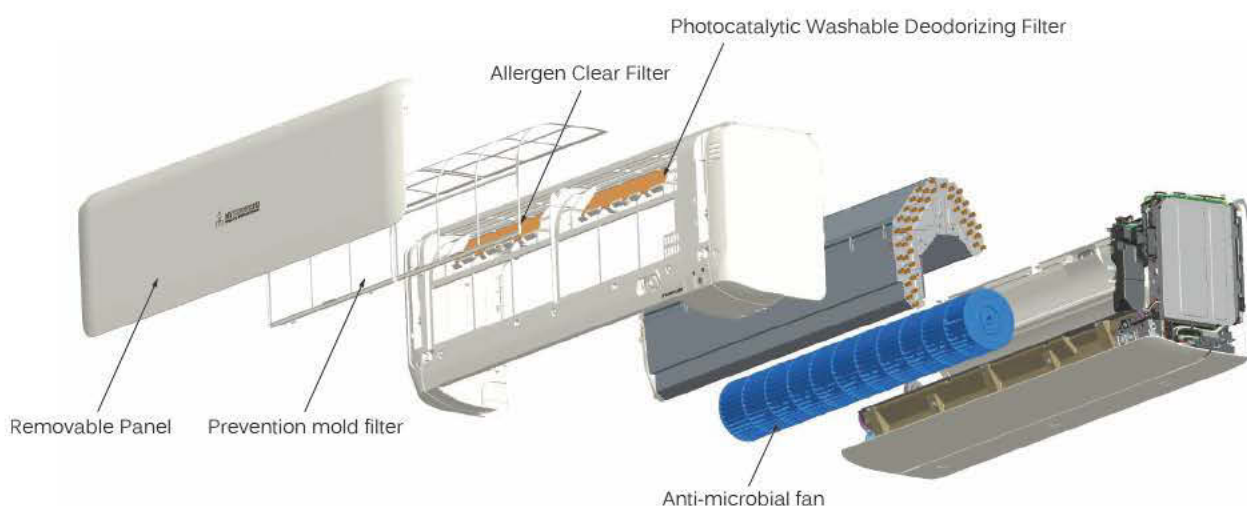
^{*2} Test method:
ELISA colorimetric method / ELISA
fluorescent method Laboratory:
Independent administrative agency
national hospital mechanism
Sagamihara Hospital, No.1536

^{*3} Test method:
TCID (Infection value 50%) Laboratory:
Foundation of Kitazato Environmental
Science Center, No.15-0145

Structure of Preventing Dirt

Always keeping the indoor unit clean

The fan has undergone anti-microbial treatment to resist mold and germs, making the system clean and safe. Foul odours and molds, etc. which can occur when an air conditioning system is not in operation are prevented.



● *Aspergillus niger* IFO6341

Testing Authority: Japan Food Analysis Center

Test Report No.: 104034022-002

Tests were conducted with reference to the antimicrobial strength tests in JIS Z 2801 "Antimicrobial Products-Antimicrobial Test Method" -5.2

Antimicrobial Effects: Test Methods for Plastic Products, etc.

without Anti-microbial with Anti-microbial

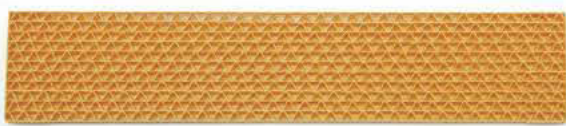


Comparison of growth of bacteria and mold on fan surfaces (microscopic image)

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

Photocatalytic Washable Deodorizing Filter

It will keep the air fresh by deodorizing the molecules causing odour. Its deodorizing power can be restored by washing with water and drying under the sun, as such it is a Recycling deodorizing filter capable of repeat use.



Used in models

Filter	Indoor Unit	SRK-ZSX	SRK-ZR	SRK-ZS
Allergen Clear Filter		1pc	1pc	1pc
Photocatalytic Washable Deodorizing Filter		1pc	1pc	1pc

* This page is mainly described ZSX series.

COMFORT & CONVENIENCE



High Power Operation

In a cooling operation

This operation mode delivers powerful cool air to cool the room quickly.

It blows powerful cool air when you want to be cooled down after bathing or returning home on a hot summer day so that you can enjoy a cool sensation immediately. The air conditioner automatically returns to the previous operation mode in 15 minutes to prevent the room from being cooled excessively.

In a heating operation

This operation mode warms the whole room from the vicinity of the air conditioner to your feet.

It warms up the room promptly when you want to be warmed such as getting out of bed or returning home during the winter seasons. The air conditioner automatically returns to the previous operation mode in 15 minutes to prevent the room from being warmed excessively.

Silent Operation

When Silent operation is set, the maximum pressure level of the outdoor unit will be 3dB(A) lower than standard nominal level (45dB(A) or less).

The compressor speed is set at a lower range than that of nominal operation, operating at 60% of nominal capacity.

Maximum fan speed of outdoor unit is set lower than nominal operation.



Night Setback Operation

During cold seasons, room temperatures can be maintained at a comfortable level even while the room is unattended.

The air conditioner keeps the temperature at 10°C.



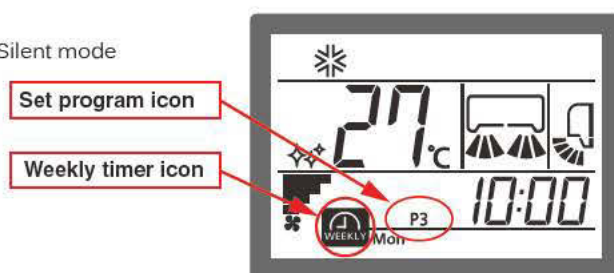
Weekly Timer Operation

Up to 4 programs with timer operation (ON-TIMER / OFF-TIMER) are available for each day of the week. Maximum 28 programs per week can be set.

Once set, the timer operation will repeat the same program every week unless otherwise canceled.

Available operation setting with weekly timer

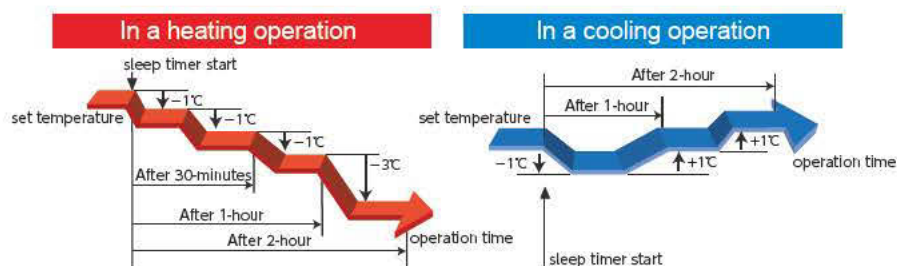
- Operation mode (Auto, cooling, heating, dry, fan)
- Temp. setting
- Air flow volume, direction
- ECO, ECONO, Night Setback, Silent mode



Weekly timer can be set by use of these buttons.

Sleep Timer

Too much cooling/heating is not necessary when people go to sleep. This function achieves moderate cooling/heating by adjusting its capacity and more energy saving as well.



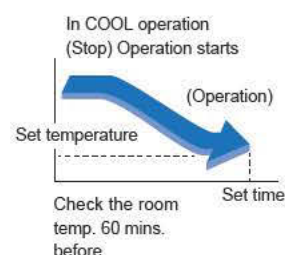
Pre-Operation to comfort start-up

Air conditioner controls room temperature to achieve comfort at the "set time" by 60-minutes pre-operation. This is convenient when you wake up and return home at a predetermined time.

In ON-TIMER operation, the unit starts the operation a little earlier, so that the room can approach optimum temperature at ON time.

● Mechanism

The room temperature is checked 60 minutes before the ON time. Depending on the temperature at that time, the operation starts 5 to 60 minutes before the timer is at ON.



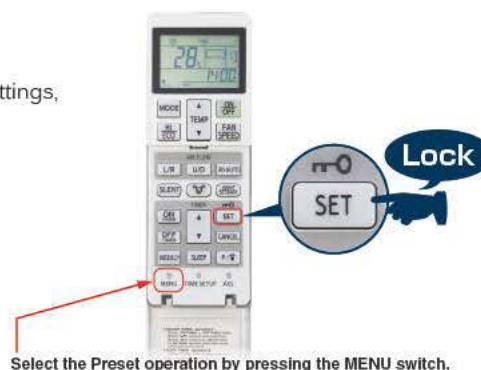
Preset Operation

NEW

The Preset Operation features allows customised temperature and airflow settings, which will deliver ultimate comfort with one simple touch of the button.

Child Lock

Blocks the unit preventing tampering and inadvertent operations. This function is useful for families with young children.



Select the Preset operation by pressing the MENU switch.

* This page is mainly described ZSX series.

COMFORT & CONVENIENCE

Led Brightness Adjustment

NEW

Brightness of the LED display can be adjusted to suit.



Installation Positioning

The air flow direction can be set to suit the rooms configuration.

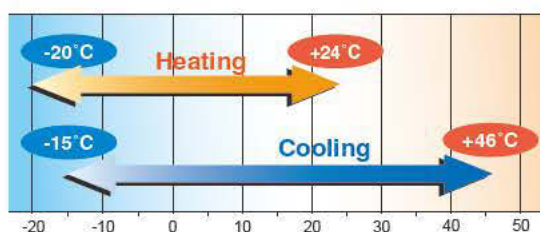


Wide Range of Operation

Our new advanced technology has expanded the heating and cooling operation range.

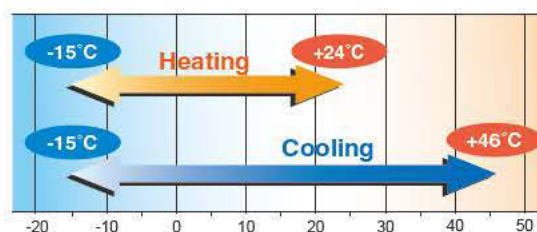
This permits installation of the units considering a heating and cooling operation under a low temperature condition down to -20°C . (ZSX series)

ZSX series



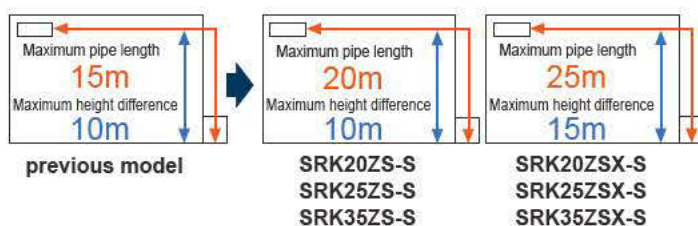
* For the capacities under low temperature conditions, refer to technical manual.

All models (except ZSX series)



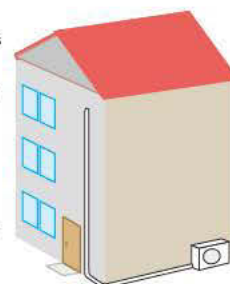
Long Piping Length

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



Installation of air-conditioners for a three-story house is available with long piping length

Such installation space can be found easily for outdoor units with long piping length. As one outdoor unit is necessary for a three-story house the space required for installation is relatively small so the unit can be obscured in place. Indoor units can be installed far apart such as on the first floor and as well as the third floor.



HIGH TECHNOLOGIES

Our Latest Technologies (ZSX series)

[Outdoor unit]

Propeller fan

Matching a propeller fan with a fan motor has been optimized in order to keep the same capacity as that of previous models with less electrical consumption. Synergy effect with leaf grill has increased efficiency by 5% and quietened the sound.



Serration fan

Coated PCB

The printed wiring board of the outdoor unit is coated. It lasts long having a tolerance for humidity.



Heat exchanger

Thanks to changing fin configuration from flat sheet to M shape fin, efficiency has increased by 10%. This high dimensional structure provides optimum balance of heat transfer and airflow.



Leaf shape grill

The radial shape grill has been developed in order to send airflow efficiently out unit along the grill. Decreasing the load for motor and propeller fan leads to greater energy efficiency and contributes to quieter sound.



Superior corrosion resistance hot dipping steel sheet

Superior corrosion resistance hot dipping steel sheet is applied at the base of outdoor units. It has superior corrosion resistance and scratch resistance properties compared to conventional materials.



DC Motor

DC fan motor produces high efficiency & high power

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 unit to obtain optimum air-conditioning.



Sensor for indoor temperature and humidity

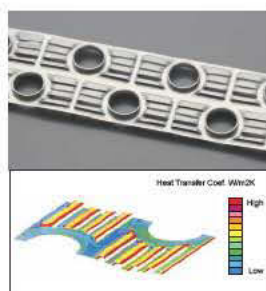


Sensor for outdoor temperature

[Indoor unit]

Heat exchanger

Our optimal combination of fin configuration and copper tube has maximized airflow volume without expanding indoor unit's size in width. The heat exchanger efficiency rate has been drastically improved by 33% compared with that of previous models. Fin can maximize airflow volume and save energy simultaneously.



Movable air inlet panel

Applying a movable air inlet panel, minimization of air resistance and advanced design are realized.



* This page is mainly described ZSX series.

FUNCTIONS

Energy saving



Fuzzy Auto Mode

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



Human Sensor

This sensor detects human motion activity and movement and inhibits unnecessary operation when not required.



Eco Operation

Room temperature and humidity are monitored using a sensor to automatically control the operation. In tandem with the human sensor, the system enables a energy saving mode while maintaining comfort.



Economy Mode

The unit realizes effective energy saving operation, while still keeping a comfortable cooling and heating condition.



Auto Off

Stops the operation automatically when there are no people activity detected in the room for a certain period of time.

Air flow



JET Technology

Aircraft technology is used to component design the airflow system of the air conditioner.



3D Auto

You can choose the best cooling or heating pattern by only pushing one button.



Auto Flap Mode

Whatever the operating mode is, the unit automatically selects the optimal angle.



Memory Flap

While the flap is swinging, it can be stopped at any angle desired. The flap returns to the position that it was in when operation last stopped.



Up/Down Flap Swing

Flap moves up and down continuously. The Up/Down flap swing can be fixed at the preferred operation angle.



Right/Left Louver Swing

Louver moves right and left continuously. The Right/Left louver swing can be fixed at the preferred operation angle.



Air Outlet Selection

Both lower and upper air outlets and upper air outlet can be selected.

Clean Operation & Filter



Allergen Clear Operation

The system is equipped to suppress the influence of the allergen caught by the filter by controlled the temperature and humidity.



Self Clean Operation

The operation is operated for 2 hours after the unit has stopped its normal operation. The indoor unit is dried up and growth of mold is restrained.



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.



Removable Panel

Maintenance has been made easy as the front panel is easy to remove for easy cleaning and maintenance.

Comfort & Convenience



Dry Operation

The unit dehumidifies the room by intermittent cooling operation.



High Power Operation

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



Silent Operation

The sound level of outdoor units is at least 3 dB(A) lower than the nominal level.



Night Setback

During cold seasons, room temperatures can be maintained at a comfortable level even while the room is unattended. The air conditioner keeps the temperature at 10°C.



Weekly Timer

Up to 4 programs with timer operation (ON-TIMER/OFF-TIMER) are available for each day of the week. MAX 28 programs per week can be set.



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 faithfully start or stop the system at a specified time of the day repeatedly.



Sleep Timer

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



On/Off Timer

The unit will start and stop the operation automatically at the set time.



Comfort Start-up

In ON-TIMER operation, the unit automatically starts the operation a little earlier, so that the room can approach optimum temperature at ON time.



Preset Operation

The desired preset operation mode can be enabled with a single touch of a button.



Child Lock

Blocks the unit preventing tampering and inadvertent operations. This function is useful for families with young children.



LED Brightness Adjustment

Brightness of the LED display can be adjusted to suit.



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.

Others



Microcomputer-Operated Defrosting

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



Self-Diagnostic Function

In the case that the air conditioner malfunctions, an internal microcomputer automatically runs a self-diagnosis. (Inspection and repair should be performed by authorized dealers.)



Auto Restart Function

Power blackout auto restart function is a function that records the operational status of the air-conditioner immediately prior to it being switched off by a power cut, and then automatically resumes operations at that point after the power has been restored.

		ZSX	ZR	ZS	ZMP	SRF	SRR	FDTC ³	ZSP	FDUM ³	FDE ³
Energy saving	Fuzzy Auto Mode	•	•	•	•	•	•	•	•	•	•
	Human Sensor NEW	•									
	Eco Operation NEW	•									
	Economy Mode		•	•	•	•		•			
	Auto Off NEW	•									
Air flow	JET Technology	•	•	•	•			•			
	3D Auto	•	•	•							
	Auto Flap Mode	•	•	•	•		•	•		•	
	Memory Flap	•	•	•	•		•	•		•	
	Up/down Flap Swing	•	•	•	•		•	•		•	
	Right/Left Louver Swing	•	•	•							
	Air Outlet Selection				•						
Clean operation & Filter	Allergen Clear Operation ^{*1}	•	•	•							
	Self Clean Operation	•	•	•	•	•		•			
	Allergen Clear Filter	•	•	•	•						
	Photocatalytic Washable Deodorizing Filter	•	•	•	•						
	Removable Panel	•	•	•	•						
Comfort & Convenience	Dry Operation	•	•	•	•	•	•	•	•	•	•
	High Power Operation	•	•	•	•	•	•	•	•	•	•
	Silent Operation ^{*1}	•	•	•		•	•				
	Night Setback	•	•	•		•	•				
	Weekly Timer	•	•	•		•	•				
	24-hour On/Off Programmable Timer	•	•	•	•	•	^{*2}	•	•	•	•
	Sleep Timer	•	•	•	•	•		•			
	On/Off Timer	•	•	•	•	•	•	•	•	•	•
	Comfort Start-up	•	•	•	•	•		•			
	Preset Operation NEW	•		•							
	Child Lock	•	•	•		•	•				
	LED Brightness Adjustment NEW	•		•							
	Positioning of Installation	•	•	•							
Others	Microcomputer-Operated Defrosting	•	•	•	•	•	•	•	•	•	•
	Self-Diagnostic Function	•	•	•	•	•	•	•	•	•	•
	Auto Restart Function	•	•	•	•	•	•	•	•	•	•

*1 In case of Multi-split system, is not available.

*2 When using Wired remote control.

*3 When using Wireless remote control.



INVERTER HEAT PUMP MODEL



SRK-ZSX

Wall Mounted type

NEW



SRK20ZSX-S, SRK25ZSX-S, SRK35ZSX-S
SRK50ZSX-S, SRK60ZSX-S



SRK-ZSX series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit.



Wireless
remote control



SRC20ZSX-S, SRC25ZSX-S, SRC35ZSX-S, SRC50ZSX-S, SRC60ZSX-S

FUNCTIONS

Energy saving



Air flow



Clean operation & Filter



Comfort & Convenience



Others



SPECIFICATIONS

Indoor unit				SRK20ZSX-S	SRK25ZSX-S	SRK35ZSX-S	SRK50ZSX-S	SRK60ZSX-S	
Outdoor unit				SRC20ZSX-S	SRC25ZSX-S	SRC35ZSX-S	SRC50ZSX-S	SRC60ZSX-S	
Power source				1Phase, 220 - 240, 50Hz					
Nominal cooling capacity (Min~Max)			kW	2.0 (0.9~3.2)	2.5 (0.9~3.7)	3.5 (0.9~4.3)	5.0 (1.0~5.8)	6.1 (1.0~6.8)	
Nominal heating capacity (Min~Max)			kW	2.7 (0.8~5.3)	3.2 (0.8~5.8)	4.3 (0.8~6.6)	6.0 (0.6~8.1)	6.8 (0.6~8.7)	
Power consumption		Cooling/Heating	kW	0.32 / 0.47	0.44 / 0.59	0.78 / 0.90	1.30 / 1.36	1.81 / 1.67	
EER/COP		Cooling/Heating		6.25 / 5.74	5.68 / 5.42	4.49 / 4.78	3.85 / 4.41	3.37 / 4.07	
Inrush current			A	2.5	3.0	4.3	5.0	5.0	
Max. running current				9	9	9	15	15	
Sound power level	Indoor	Cooling/Heating	dB(A)	53 / 53	55 / 56	58 / 58	59 / 62	62 / 63	
	Outdoor	Cooling/Heating		56 / 58	57 / 58	61 / 62	63 / 63	65 / 64	
Sound pressure level	Indoor	Cooling (Hi/Me/Lo/Ulo) Heating (Hi/Me/Lo/Ulo)		38 / 31 / 24 / 19 38 / 32 / 25 / 19	39 / 33 / 25 / 19 40 / 34 / 27 / 19	43 / 35 / 26 / 19 41 / 35 / 28 / 19	44 / 39 / 31 / 22 46 / 41 / 33 / 23	46 / 41 / 33 / 22 46 / 42 / 34 / 23	
	Outdoor	Cooling/Heating		43 / 44	44 / 45	48 / 47	50 / 49	52 / 52	
Air flow	Indoor	Cooling (Hi/Me/Lo/Ulo) Heating (Hi/Me/Lo/Ulo)	m³/min	11.3 / 9.1 / 6.0 / 5.0 12.2 / 10.3 / 7.2 / 5.4	12.2 / 10.0 / 6.7 / 5.0 12.8 / 11.0 / 7.8 / 5.4	13.1 / 10.8 / 7.3 / 5.0 13.9 / 11.8 / 8.6 / 5.4	14.3 / 12.4 / 7.8 / 5.4 17.3 / 14.3 / 9.8 / 6.2	16.3 / 13.4 / 8.9 / 5.4 17.8 / 13.7 / 10.9 / 6.2	
	Outdoor	Cooling/Heating		31.0 / 31.0	31.0 / 31.0	36.0 / 31.0	39.0 / 33.0	41.5 / 39.0	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	305 x 920 x 220					
	Outdoor			640 x 800(+71) x 290					
Net weight		Indoor / Outdoor	kg	13.0 / 43.0			13.0 / 45.0		
Refrigerant		Type/GWP		R410A / 2088					
		Charge	kg/CO ₂ Eq	1.45 / 3.028			1.50 / 3.132		
Refrigerant piping size		Liquid/Gas	ø mm	6.35(1/4") / 9.52(3/8")			6.35(1/4") / 12.7(1/2")		
Refrigerant line (one way) length			m	Max.25			Max.30		
Vertical height differences			Outdoor is higher/lower	m	Max.15 / Max.15			Max.20 / Max.20	
Outdoor operating temperature range	Cooling	C		-15~46					
	Heating			-20 ~ 24					
Clean filter				Allergen Clear Filter x 1, Photocatalytic Washable Deodorizing Filter x 1					

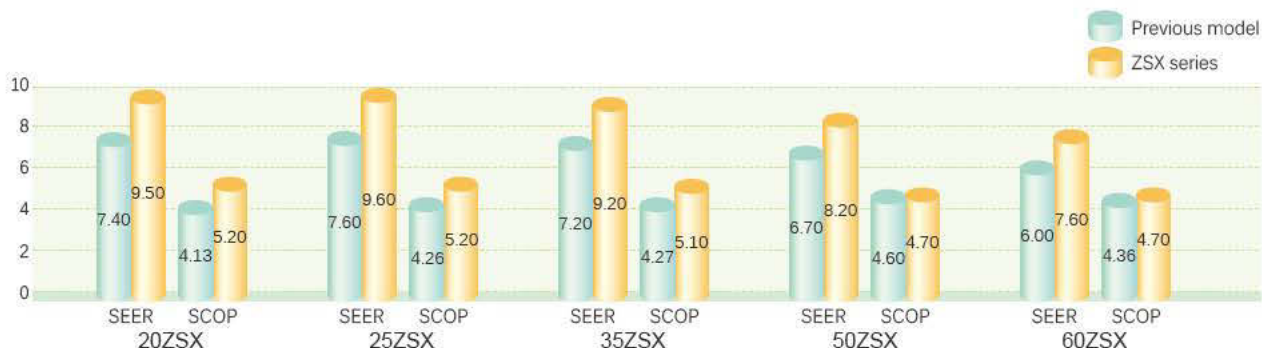
* The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27 CDB, 19 CWB, and outdoor temp. of 35 CDB. Heating: Indoor temp. of 20 CDB, and outdoor temp. of 7 CDB, 6 CWB.

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

* 'tonne(s) of CO₂ equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.

Mitsubishi Heavy Industries latest technology offers high seasonal efficiency

The new ZSX series meets outstanding energy efficiency receiving Europe's highest seasonal energy rating (A+++).



- SEER and SCOP is defined in European regulations. Please refer to P74

Elegant Timeless Design

The new ZSX series air-conditioners have been stylishly designed with rounded contours that fit beautifully into any of Europe's diverse interior settings. The design was created by the Italian industrial design studio Tensa srl, based in Milan, to respond to a broad spectrum of local user needs.



Movable air inlet panel

Applying a movable air inlet panel, minimization of air resistance and advanced design are realized.



Easy to Remote control

The wall mounted unit comes with a wireless infra-red remote controller which is used to control the unit's settings such as temperature, fan speed, heating or cooling mode.

The controller has a user-friendly design with large buttons. There are many key benefits such as eco-mode settings, which allow energy to be saved. There is also a weekly timer which can be set to your own parameters and when required for your convenience. There is also a silent mode option, which can be selected when going to sleep so there are minimal noise levels.





INVERTER HEAT PUMP MODEL



SRK-ZR

Wall Mounted type



SRK63ZR-S, SRK71ZR-S, SRK80ZR-S, SRK100ZR-S

NEW



SRK71ZR-S can be selected for use as indoor units in the combination with SCM Multi system outdoor unit.



Wireless remote control



SRC63ZR-S



SRC71ZR-S, SRC80ZR-S



FDC100VNP

FUNCTIONS

Energy saving



Air flow



Clean operation & Filter



Comfort & Convenience



Others



SPECIFICATIONS

Indoor unit				SRK63ZR-S	SRK71ZR-S	SRK80ZR-S	SRK100ZR-S
Outdoor unit				SRC63ZR-S	SRC71ZR-S	SRC80ZR-S	FDC100VNP
Power source				1 Phase, 220 - 240V, 50Hz			
Nominal cooling capacity (Min~Max)			kW	6.3 (1.2~7.1)	7.1 (2.3~7.7)	8.0 (2.3~9.0)	10.0 (2.4~10.5)
Nominal heating capacity (Min~Max)			kW	7.1 (0.8~9.0)	8.0 (2.0~10.0)	9.0 (2.1~10.5)	11.2 (3.2~11.5)
Power consumption		Cooling/Heating	kW	1.85 / 1.74	2.05 / 2.06	2.35 / 2.40	3.09 / 3.28
EER/COP		Cooling/Heating		3.41 / 4.08	3.46 / 3.88	3.40 / 3.75	3.24 / 3.41
Inrush current		220/230/240 V	A	8.5 / 8.1 / 7.8	9.6 / 9.1 / 8.8	11.1 / 10.6 / 10.2	15.1 / 14.4 / 13.8
Max. running current				14.5	17	17	21
Sound power level	Indoor	Cooling/Heating		58 / 58	58 / 60	62 / 62	63 / 63
	Outdoor	Cooling/Heating	67 / 66	65 / 63	68 / 67	70 / 74	
Sound pressure level	Indoor	Cooling (Hi/Me/Lo/Ulo)	dB(A)	44 / 39 / 35 / 25	44 / 41 / 37 / 25	47 / 44 / 39 / 26	48 / 45 / 40 / 27
		Heating (Hi/Me/Lo/Ulo)		44 / 38 / 34 / 28	46 / 39 / 35 / 28	47 / 41 / 36 / 29	48 / 43 / 38 / 30
	Outdoor	Cooling/Heating		54 / 54	53 / 51	56 / 55	57 / 61
Air flow	Indoor	Cooling (Hi/Me/Lo/Ulo)	m³/min	20.5 / 18.1 / 15.7 / 10.4	20.5 / 18.6 / 16.2 / 10.4	23.5 / 20.2 / 17.5 / 10.4	24.5 / 21.3 / 17.6 / 10.4
		Heating (Hi/Me/Lo/Ulo)		23.5 / 19.0 / 16.5 / 13.1	25.5 / 19.8 / 17.3 / 13.3	26.5 / 21.3 / 18.4 / 13.5	27.5 / 23.2 / 19.1 / 13.6
	Outdoor	Cooling/Heating		41.5 / 41.5	55 / 43.5	63 / 49.5	75 / 80
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	339 x 1197 x 262			
	Outdoor			640 x 800(+71) x 290 750 x 880(+88) x 340 845 x 970 x 370			
Net weight	Indoor / Outdoor		kg	15.5 / 45	15.5 / 57	16.5 / 58.5	16.5 / 70
Refrigerant		Type/GWP		R410A / 2088			
		Charge	kg/TCO ₂ Eq	1.55 / 3.236	1.8 / 3.758	1.9 / 3.967	2.55 / 5.324
Refrigerant piping size		Liquid/Gas	ø mm	6.35(1/4") / 15.88(5/8")			9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length			m	Max.30			
Vertical height differences			Outdoor is higher/lower	m	Max 20 / Max.20		
Outdoor operating temperature range		Cooling	°C	-15~46			
		Heating		-15~24			
Clean filter				Allergen Clear Filter x 1, Photocatalytic Washable Deodorizing Filter x 1			

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

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

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INVERTER HEAT PUMP MODEL

Premium
Series

SRK-ZS

Wall Mounted type

NEW



Pure White(-S)

SRK20ZS-S, SRK25ZS-S, SRK35ZS-S, SRK50ZS-S

Elegant Timeless Design

Unification of the design between ZSX and ZS series. Users can choose their favorite colour from three choices.



Black & White (-SB)



Titanium (-ST)



SRK-ZS series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit.



Wireless remote control



SRC20ZS-S, SRC25ZS-S, SRC35ZS-S



SRC50ZS-S

FUNCTIONS

Energy saving

Air flow

Clean operation & Filter



Comfort & Convenience

Others



SPECIFICATIONS

Indoor unit				SRK20ZS-S,-SB,-ST	SRK25ZS-S,-SB,-ST	SRK35ZS-S,-SB,-ST	SRK50ZS-S,-SB,-ST	
Outdoor unit				SRC20ZS-S	SRC25ZS-S	SRC35ZS-S	SRC50ZS-S	
Power source				1 Phase, 220 - 240V, 50Hz				
Nominal cooling capacity (Min~Max)			kW	2.0(1.0~2.8)	2.5(1.0~3.0)	3.5(1.0~3.8)	5.0(1.7~5.5)	
Nominal heating capacity (Min~Max)			kW	2.7(0.9~4.2)	3.2(0.9~4.4)	4.0(0.9~4.8)	5.8(1.6~6.6)	
Power consumption		Cooling/Heating	kW	0.44 / 0.62	0.62 / 0.80	1.01 / 1.00	1.56 / 1.59	
EER/COP		Cooling/Heating		4.55 / 4.35	4.03 / 4.00	3.47 / 4.00	3.21 / 3.65	
Inrush current		220/230/240 V	A	3.2 / 3.1 / 3.0	4.0 / 3.8 / 3.6	4.9 / 4.7 / 4.5	7.3 / 7.0 / 6.7	
Max. running current				9	9	9	14.5	
Sound power level	Indoor	Cooling/Heating	dB(A)	50 / 52	52 / 55	56 / 58	58 / 59	
	Outdoor	Cooling/Heating		57 / 57	58 / 58	62 / 61	62 / 63	
Sound pressure level	Indoor	Cooling (Hi/Me/Lo/Ulo)		34 / 25 / 22 / 19	36 / 28 / 23 / 19	40 / 30 / 26 / 19	45 / 36 / 28 / 22	
		Heating (Hi/Me/Lo/Ulo)		36 / 29 / 23 / 19	39 / 30 / 24 / 19	41 / 36 / 25 / 19	45 / 37 / 31 / 24	
Air flow	Indoor	Cooling/Heating	m³/min	45 / 45	46 / 46	50 / 48	51 / 53	
	Outdoor	Cooling (Hi/Me/Lo/Ulo)		9.3 / 7.0 / 5.9 / 5.0	9.9 / 8.0 / 5.9 / 5.0	11.3 / 8.7 / 7.0 / 5.0	12.1 / 9.9 / 7.4 / 5.9	
		Heating (Hi/Me/Lo/Ulo)		10.0 / 8.5 / 6.5 / 5.9	11.3 / 8.7 / 6.7 / 5.9	12.3 / 11.0 / 7.0 / 5.9	13.9 / 11.2 / 9.1 / 7.4	
Exterior dimensions	Outdoor	Cooling/Heating		27.4 / 23.6	27.4 / 23.6	31.5 / 27.8	32.8 / 32.8	
	Indoor	HeightxWidthxDepth	mm	290 x 870 x 230				
Net weight		Indoor / Outdoor	kg	540 x 780(+62) x 290			595 x 780(+62) x 290	
Refrigerant		Type/GWP		9.5 / 31.5		9.5 / 34.5	10 / 36.5	
		Charge	kg/TCO ₂ Eq	R410A / 2088				
Refrigerant piping size		Liquid/Gas	ø mm	0.75 / 1.566		0.95 / 1.984	1.25 / 2.61	
Refrigerant line (one way) length			m	6.35(1/4") / 9.52(3/8")			6.35(1/4") / 12.7(1/2")	
Vertical height differences		Outdoor is higher/lower	m	Max. 20			Max. 25	
Outdoor operating temperature range		Cooling	°C	Max. 10 / Max. 10			Max. 15 / Max. 15	
Clean filter		Heating		-15~46				
				-15~24				
				Allergen Clear Filter x 1, Photocatalytic Washable Deodorizing Filter x 1				

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

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INVERTER HEAT PUMP MODEL



SRK-ZMP

Wall Mounted type



SRK25ZMP-S, SRK35ZMP-S, SRK45ZMP-S

Compact and Light weight

The SRK-ZMP-S series offers great installation flexibility.



Wireless
remote control



SRC25ZMP-S
SRC35ZMP-S



SRC45ZMP-S

FUNCTIONS

Energy saving



Air flow



Clean operation & Filter



Comfort & Convenience



Others



SPECIFICATIONS

Indoor unit			SRK25ZMP-S	SRK35ZMP-S	SRK45ZMP-S
Outdoor unit			SRC25ZMP-S	SRC35ZMP-S	SRC45ZMP-S
Power source			1 Phase, 220 - 240V, 50Hz		
Nominal cooling capacity (Min~Max)		kW	2.5(0.9~2.8)	3.2(0.9~3.5)	4.5(0.9~4.8)
Nominal heating capacity (Min~Max)		kW	2.8(0.8~3.9)	3.6(0.9~4.3)	5.0(0.8~5.8)
Power consumption		Cooling/Heating	0.78 / 0.755	0.995 / 0.995	1.495 / 1.385
EER/COP		Cooling/Heating	3.21/3.71	3.22 / 3.62	3.01 / 3.61
Inrush current		220/230/240 V	3.9 / 3.8 / 3.6	4.9 / 4.7 / 4.5	7.0 / 6.7 / 6.4
Max. running current			9	9	14
Sound power level	Indoor	Cooling/Heating	59 / 58	60 / 58	60 / 64
	Outdoor	Cooling/Heating	60 / 59	60 / 60	65 / 65
Sound pressure level	Indoor	Cooling (Hi/Me/Lo)	45 / 34 / 23	47 / 36 / 23	46 / 40 / 25
	Indoor	Heating (Hi/Me/Lo)	43 / 34 / 26	44 / 36 / 28	48 / 43 / 32
	Outdoor	Cooling/Heating	47 / 45	49 / 48	52 / 53
	Outdoor	Cooling (Hi/Me/Lo)	10.1 / 7.3 / 4.2	9.5 / 6.8 / 4.2	9.0 / 7.2 / 3.8
Air flow	Indoor	Heating (Hi/Me/Lo)	9.5 / 7.3 / 5.2	9.6 / 7.4 / 5.5	12.0 / 9.2 / 6.2
	Outdoor	Cooling/Heating	26.0 / 19.7	25.4 / 20.5	35.5 / 33.5
Exterior dimensions		Indoor	262 x 769 x 210		
		Outdoor	540 x 645(+57) x 275		
Net weight		Indoor / Outdoor	6.9 / 25	7.2 / 27	595 x 780(+62) x 290 7.6 / 40
Refrigerant		Type/GWP	R410A / 2088		
		Charge	0.655 / 1.368	0.81 / 1.691	1.20 / 2.506
Refrigerant piping size		Liquid/Gas	6.35(1/4") / 9.52(3/8")		
Refrigerant line (one way) length			Max. 15		
Vertical height differences		Outdoor is higher/lower	Max. 10 / Max. 10		
Outdoor operating temperature range		Cooling	-15~46		
		Heating	-15~24		
Clean filter			—		

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

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INVERTER HEAT PUMP MODEL

SRF-ZMX

Floor Standing type

Auto air outlet selection

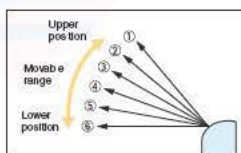
In case both lower and upper air outlets can be selected.



SRF25ZMX-S, SRF35ZMX-S, SRF50ZMX-S

Flap control system

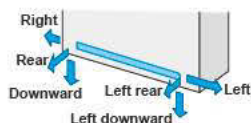
Selection of flap position is possible. A flaps can be set at different angles.



SRF-ZMX series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit.

Installation workability

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



Wireless remote control



SRC25ZMX-S, SRC35ZMX-S



SRC50ZMX-S

FUNCTIONS

Energy saving

Air flow

Clean operation & Filter



Comfort & Convenience



Others



SPECIFICATIONS

※SRF50ZMX can be connected to ZSX outdoor units. The specifications are to be advised.

Indoor unit				SRF25ZMX-S	SRF35ZMX-S	SRF50ZMX-S*
Outdoor unit				SRC25ZMX-S	SRC35ZMX-S	SRC50ZMX-S
Power source				1 Phase, 220 ~ 240V, 50Hz		
Nominal cooling capacity (Min~Max)			kW	2.5 (0.9~3.2)	3.5 (0.9~4.1)	5.0 (1.1~5.2)
Nominal heating capacity (Min~Max)			kW	3.4 (0.9~4.7)	4.5 (0.9~5.1)	6.0 (0.6~6.9)
Power consumption		Cooling/Heating	kW	0.521 / 0.723	0.890 / 1.124	1.390 / 1.540
EER/COP		Cooling/Heating		4.80 / 4.70	3.93 / 4.00	3.60 / 3.90
Inrush current		220/230/240 V	A	3.6 / 3.4 / 3.3	5.2 / 4.9 / 4.7	7.1 / 6.8 / 6.5
Max. running current				8	8	15
Sound power level	Indoor	Cooling/Heating	dB(A)	51 / 51	52 / 52	58 / 58
	Outdoor	Cooling/Heating		60 / 60	63 / 62	63 / 62
Sound pressure level	Indoor	Cooling (Hi/Me/Lo/Ulo)		40 / 32 / 29 / 26	41 / 34 / 32 / 28	46 / 42 / 35 / 32
		Heating (Hi/Me/Lo/Ulo)		40 / 35 / 33 / 28	41 / 36 / 35 / 31	47 / 41 / 39 / 33
	Outdoor	Cooling/Heating	47 / 47	50 / 50	52 / 51	
Air flow	Indoor	Cooling (Hi/Me/Lo/Ulo)	m³/min	9.0 / 7.6 / 6.7 / 5.8	9.2 / 7.8 / 7.3 / 6.4	11.5 / 9.6 / 7.4 / 6.6
		Heating (Hi/Me/Lo/Ulo)		10.5 / 8.2 / 7.7 / 6.6	10.7 / 8.3 / 8.1 / 7.4	12.0 / 10.0 / 9.4 / 7.6
	Outdoor	Cooling/Heating		29.5 / 27.0	32.5 / 29.5	39.0 / 33.0
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	600 x 860 x 238		
	Outdoor			595 x 780(+62) x 290		
Net weight		Indoor / Outdoor	kg	18 / 35	19 / 35	19 / 45
Refrigerant		Type/GWP		R410A / 2088		
		Charge	kg/TCOEq	1.2 / 2.506		
Refrigerant piping size		Liquid/Gas	ø mm	6.35(1/4") / 9.52(3/8")		
Refrigerant line (one way) length			m	Max. 15		
Vertical height differences		Outdoor is higher/lower	m	Max. 10 / Max. 10		
Outdoor operating temperature range		Cooling	°C	-15~46		
		Heating		-15~24		
Clean filter				Allergen Clear Filter x 1 Photocatalytic Washable Deodorizing Filter x 1		

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

• Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

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INVERTER HEAT PUMP MODEL

SRR-ZM

Ceiling Concealed type



SRR25ZM-S, SRR35ZM-S

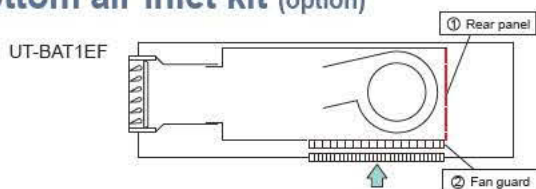


SRR-ZM series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit.

Thin design

The height of all SRR models is only 200mm.

Bottom air inlet kit (option)



FUNCTIONS

Energy saving

Clean operation & Filter



Comfort & Convenience



Others



Wireless remote control



SRC25ZMX-S, SRC35ZMX-S

SPECIFICATIONS

Indoor unit				SRR25ZM-S	SRR35ZM-S
Outdoor unit				SRC25ZMX-S	SRC35ZMX-S
Power source				1 Phase, 220 ~ 240V, 50Hz	
Nominal cooling capacity (Min~Max)			kW	2.5 (1.0 ~ 3.3)	3.5 (1.0 ~ 3.9)
Nominal heating capacity (Min~Max)			kW	3.4 (1.4 ~ 4.8)	4.2 (1.5 ~ 5.2)
Power consumption		Cooling/Heating	kW	0.570 / 0.750	0.980 / 1.030
EER/COP		Cooling/Heating		4.39 / 4.53	3.57 / 4.08
Inrush current				3.9 / 3.7 / 3.6	5.0 / 4.8 / 4.6
Max. running current			A	8	8
Sound power level	Indoor	Cooling/Heating	dB(A)	56 / 59	57 / 60
	Outdoor	Cooling/Heating		60 / 60	62 / 62
Sound pressure level	Indoor	Cooling (Hi/Me/Lo/Ulo)		37 / 33 / 30 / 24	38 / 34 / 31 / 25
		Heating (Hi/Me/Lo/Ulo)		40 / 37 / 34 / 28	41 / 38 / 35 / 29
Air flow	Indoor	Cooling/Heating	47 / 47	50 / 50	
		Cooling (Hi/Me/Lo/Ulo)	9.5 / 8.0 / 6.5 / 4.5	10.0 / 8.5 / 7.0 / 5.0	
	Outdoor	Heating (Hi/Me/Lo/Ulo)	10.0 / 9.0 / 8.0 / 6.0	10.5 / 9.5 / 8.5 / 6.5	
		Cooling/Heating	29.5 / 27.0	32.5 / 29.5	
Exterior dimensions	Indoor	HeightxWid hxD	mm	200 x 750 x 500	
	Outdoor			595 x 780(+62) x 290	
Net weight	Indoor / Outdoor		kg	20.5 / 35	
Refrigerant	Type/GWP			R410A/ 2088	
	Charge		kg/TCO ₂ Eq	1.2 / 2.506	
Refrigerant lping size	Liquid/Gas		ø mm	6.35(1/4") / 9.52(3/8")	
Refrigerant line (one way) length			m	Max. 15	
Vertical height differences			Outdoor is higher/lower	Max. 10 / Max.10	
Outdoor operating temperature range	Cooling		'C	-15~46	
	Heating			-15~24	
Bottom air inlet kit (option)				UT-BAT1EF	

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

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

* 'tonne(s) of CO₂ equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.



INVERTER HEAT PUMP MODEL

FDTC-VF

4way Ceiling Cassette type

Fits into standard
600x600 ceiling

FDTC25VF, FDTC35VF,
FDTC40VF, FDTC50VF,
FDTC60VF

Individual flap control system

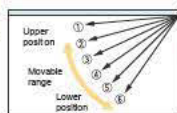
According to room temperature conditions, four directions of air flow can be controlled by individual flap as preferred. Individual flap control is available even after installation.



FDTC-VF series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit. (except 40VF)

Flap control system

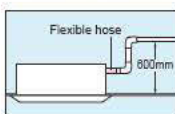
Selection of flap position is possible. Individual flaps can be set at different angles.



600mm Drain Pump is mounted

Drain can be discharged upward by 600mm 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.



Wired remote control (option)

NEW



RC-EX3



RC-E5



RCH-E3

Wireless remote control (option)

NEW



RCN-TC-24W-E2

SRC25ZMX-S, SRC35ZMX-S

SRC40ZSX-S, SRC50ZSX-S,
SRC60ZSX-S



FUNCTIONS

Energy saving



Air flow



Comfort & Convenience



Others



* When using Wireless remote control

SPECIFICATIONS

Indoor unit				FDTC25VF	FDTC35VF	FDTC40VF	FDTC50VF	FDTC60VF
Outdoor unit				SRC25ZMX-S	SRC35ZMX-S	SRC40ZSX-S	SRC50ZSX-S	SRC60ZSX-S
Power source				1 Phase, 220 - 240V, 50Hz				
Nominal cooling capacity (Min~Max)			kW	2.55 (0.9 ~ 3.2)	3.6 (0.9 ~ 4.1)	4.0 (1.1 ~ 4.7)	5.0 (1.1 ~ 5.6)	5.6 (1.1 ~ 6.3)
Nominal heating capacity (Min~Max)			kW	3.45 (0.9 ~ 4.7)	4.25 (0.9 ~ 5.1)	4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 6.7)
Power consumption		Cooling/Heating	kW	0.6 / 0.84	1.07 / 1.16	1.04 / 1.10	1.56 / 1.45	1.99 / 2.07
EER/COP		Cooling/Heating		4.25 / 4.11	3.36 / 3.66	3.85 / 4.09	3.21 / 3.72	2.81 / 3.24
Inrush current		220/230/240 V	A	4.1 / 4.0 / 3.8	5.3 / 5.1 / 4.9	5.0	5.0	5.0
Max. running current				8	8	12	15	15
Sound power level	Indoor	Cooling/Heating	dB(A)	56 / 56	58 / 58	60 / 60	60 / 60	60 / 60
	Outdoor	Cooling/Heating		56 / 56	58 / 58	63 / 63	63 / 63	65 / 65
Sound pressure level	Indoor	Cooling (Hi/Me/Lo)		36 / 32 / 29	40 / 36 / 30	42 / 36 / 30	42 / 36 / 30	46 / 39 / 30
		Heating (Hi/Me/Lo)		38 / 33 / 29.5	42 / 35 / 32	42 / 36 / 32	42 / 36 / 32	46 / 39 / 32
Air flow	Outdoor	Cooling/Heating		47 / 47	50 / 50	49 / 49	50 / 49	52 / 52
		Indoor	Cooling (Hi/Me/Lo)	9 / 8 / 6.5	9.5 / 9 / 7	11.5 / 9 / 7	11.5 / 9 / 7	13.5 / 10 / 7
		Heating (Hi/Me/Lo)	m³/min	9.5 / 8.5 / 7	10 / 9 / 8	11.5 / 9 / 8	11.5 / 9 / 8	13.5 / 10 / 8
	Outdoor	Cooling/Heating		29.5 / 27.0	32.5 / 29.5	36 / 33	40 / 33	41.5 / 39
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit : 248 x 570 x 570 Panel : 35 x 700 x 700				
	Outdoor			595 x 780(+62) x 290 640 x 800(+71) x 290				
Net weight	Indoor / Outdoor		kg	18.5 (Unit : 15 Panel : 3.5) / 35 18.5 (Unit : 15 Panel : 3.5) / 45				
Refrigerant	Type/GWP			R410A / 2088				
	Charge		kg/TCO ₂ Eq	1.2 / 2.506			1.5 / 3.132	
Refrigerant piping size	Liquid/Gas		ø mm	6.35(1/4") / 9.52(3/8")			6.35(1/4") / 12.7(1/2")	
Refrigerant line (one way) length			m	Max. 15			Max. 30	
Vertical height differences	Outdoor is higher/lower		m	Max. 10 / Max.10			Max. 20 / Max 20	
Outdoor operating temperature range	Cooling	°C	-15~46					
	Heating		-15~24 -20~24					
Panel				TC-PSA-25W-E				

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

* Sound level 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), Airflow m³/min:25VF(Cooling:10 Heating:10.5), 35VF(Cooling:11 Heating:11.5), 40/50/60VF(Cooling:13.5 Heating:13.5)

* 'tonne(s) of CO₂ equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.



INVERTER MULTI-SPLIT MODEL

Inverter Multi-split System

The Multi DC Inverter range are innovative Multi-split systems from Mitsubishi Heavy Industries Thermal Systems which offers the perfect answer for air conditioning comfort in several environments.

A single outdoor unit can air condition up to 6 different rooms. Utilising a range of compact and elegant indoor units that are available in 6 different types make air conditioning any indoor environment possible.

The whole range is characterised by high flexibility, high energy efficiency and extremely low noise levels.



Wall Mounted type
SRK/SKM



Ceiling Concealed type
SRR



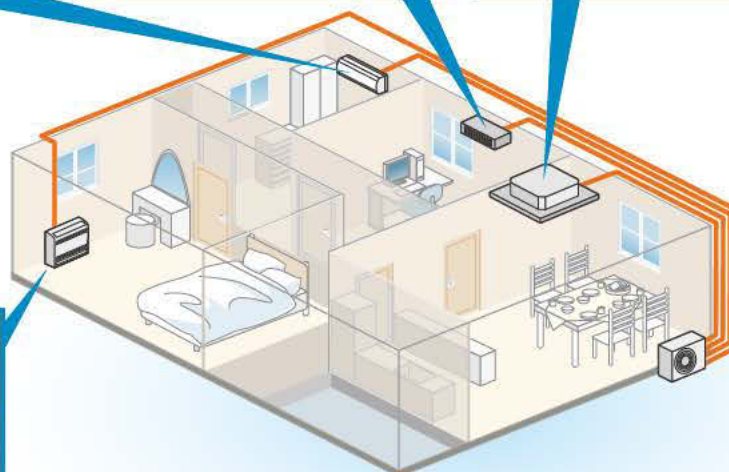
4way Ceiling Cassette type
FDTC



Fits into standard
600x600 ceiling



Floor Standing type
SRF



Ceiling Suspended type
FDE



Duct Connected type
FDUM



*A wide variety of
choices for indoor units*



OUTDOOR UNITS

Powerful, efficient and silent outdoor units are available in 8 sizes and able to combine up to 6 indoor units.

NEW

SCM40ZS-S
SCM45ZS-S



SCM71ZM-S
SCM80ZM-S



NEW

(50ZS-S)

SCM50ZS-S
SCM60ZM-S



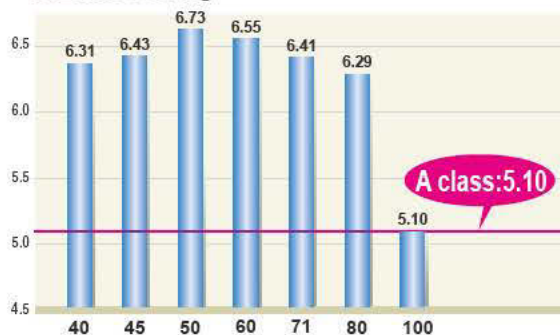
SCM100ZM-S
SCM125ZM-S



Energy saving

All models can achieve very high seasonal efficiency thanks to the application of inverter technology which makes it possible to vary the power output according to demand for cooling or heating. This makes it possible to reach the set temperature quickly and to keep it stable over time saving about 30% in consumption compared to traditional fixed speed air conditioners.

SEER in Cooling



SCOP in Heating



• The above values are based on indoor unit combination with SRK-ZSX-S only.

Comfort

Thanks to the application of the Twin Rotary compressor, the outdoor units have low noise levels. All the units also operate in heating and cooling mode with an outdoor temperature limit of -15°C.

Compact

Compact enough to be installed in areas with a limited amount of space.

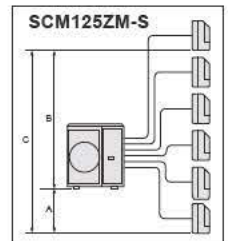
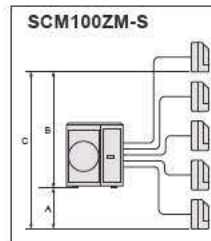
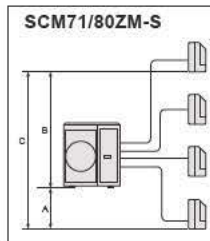
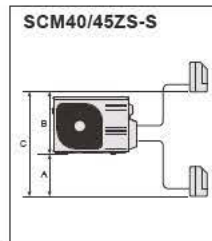


INVERTER MULTI-SPLIT MODEL

Long piping length

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.

	SCM40/45ZS-S	SCM50ZS-S/SCM60ZM-S	SCM71/80ZM-S	SCM100/125ZM-S
length for one indoor unit	under 25m	under 25m	under 25m	under 25m
total length for all rooms	under 30m	under 40m	under 70m	under 90m
height difference	lower installation spot of the indoor unit (A)	under 15m	under 15m	under 20m
	upper installation spot of the indoor unit (B)	under 15m	under 15m	under 20m
	maximum height difference of the indoor units (C)	under 25m	under 25m	under 25m
length of precharged refrigerant pipe	30m	40m	40m	50m



CONNECTABLE UNITS

Indoor units		Outdoor units							
		40ZS-S	45ZS-S	50ZS-S	60ZM-S	71ZM-S	80ZM-S	100ZM-S	125ZM-S
NEW 	SRK20ZSX-S	●	●	●	●	●	●	●	●
	SRK25ZSX-S	●	●	●	●	●	●	●	●
	SRK35ZSX-S	●	●	●	●	●	●	●	●
	SRK50ZSX-S	—	—	●	●	●	●	●	●
	SRK60ZSX-S	—	—	—	●	●	●	●	●
NEW 	SRK71ZR-S	—	—	—	—	—	—	●	●
	SRK20ZS-S	●	●	●	●	●	●	●	●
	SRK25ZS-S	●	●	●	●	●	●	●	●
	SRK35ZS-S	●	●	●	●	●	●	●	●
	SRK50ZS-S	—	—	●	●	●	●	●	●
NEW 	SKM20ZSP-S	●	●	●	—	—	—	—	—
	SKM25ZSP-S	●	●	●	—	—	—	—	—
	SKM35ZSP-S	●	●	●	—	—	—	—	—
	SRF25ZMX-S	●	●	●	●	●	●	●	●
	SRF35ZMX-S	●	●	●	●	●	●	●	●
	SRF50ZMX-S	—	—	●	●	●	●	●	●
	FDC25VF	●	●	●	●	●	●	●	●
	FDC35VF	●	●	●	●	●	●	●	●
	FDC50VF	—	—	●	●	●	●	●	●
	FDC60VF	—	—	—	●	●	●	●	●
	SRR25ZM-S	●	●	●	●	●	●	●	●
	SRR35ZM-S	●	●	●	●	●	●	●	●
	SRR50ZM-S	—	—	●	●	●	●	●	●
	SRR60ZM-S	—	—	—	●	●	●	●	●
	FDUM50VF	—	—	●	●	●	●	●	●
	FDE50VG	—	—	●	●	●	●	●	●

OPTION

Wired remote control



RC-EX3



RC-E5



RCH-E3

Wireless remote control



RCN-TC-24W-E2



RCN-KIT4-E2



RCN-E-E2



Based on European regulations listed below, please refer the following specification table.

Indoor unit		SRK20ZSX-S	SRK25ZSX-S	SRK35ZSX-S	SRK50ZSX-S	SRK60ZSX-S	SRK63ZR-S	SRK71ZR-S
Outdoor unit		SRC20ZSX-S	SRC25ZSX-S	SRC35ZSX-S	SRC50ZSX-S	SRC60ZSX-S	SRC63ZR-S	SRC71ZR-S
Energy class (cooling/heating)		A+++/A+++	A+++/A+++	A+++/A+++	A++/A++	A++/A++	A++/A++	A++/A+
SEER		9.50	9.60	9.20	8.20	7.60	7.60	7.20
SCOP (Average climate)		5.20	5.20	5.10	4.70	4.70	4.70	4.50
Pdesignc	kW	2.00	2.50	3.50	5.00	6.10	6.30	7.10
Pdesignh (@-10°C)	kW	2.70	2.90	3.30	4.50	5.20	5.40	6.60
Annual electricity consumption (cooling/heating)	kWh/a	74/728	92/781	134/906	214/1341	282/1551	291/1610	346/2055
Designated heating season		Average						

Indoor unit		SRK80ZR-S	SRK100ZR-S	SRK20ZS-S, SB, ST	SRK25ZS-S, SB, ST	SRK35ZS-S, SB, ST	SRK50ZS-S, SB, ST	SRK25ZMP-S
Outdoor unit		SRC80ZR-S	FDC100VNP	SRC20ZS-S	SRC25ZS-S	SRC35ZS-S	SRC50ZS-S	SRC25ZMP-S
Energy class (cooling/heating)		A++/A+	A++/A+	A+++/A++	A+++/A++	A++/A++	A++/A+	A/A
SEER		6.60	6.60	7.80	7.80	7.80	6.26	5.50
SCOP (Average climate)		4.40	4.40	4.60	4.60	4.60	4.20	3.82
Pdesignc	kW	8.00	10.0	2.00	2.50	3.50	5.00	2.50
Pdesignh (@-10°C)	kW	7.10	7.20	2.40	2.50	2.80	3.90	2.80
Annual electricity consumption (cooling/heating)	kWh/a	425/2261	531/2289	90/732	113/762	158/852	280/1300	160/1027
Designated heating season		Average						

Indoor unit		SRK35ZMP-S	SRK45ZMP-S	SRF25ZMX-S	SRF35ZMX-S	SRF50ZMX-S	SRR25ZM-S	SRR35ZM-S
Outdoor unit		SRC35ZMP-S	SRC45ZMP-S	SRC25ZMX-S	SRC35ZMX-S	SRC50ZMX-S	SRC25ZMX-S	SRC35ZMX-S
Energy class (cooling/heating)		A++/A+	A/A	A+++/A+	A+++/A+	A+/A+	A++/A	A+++/A+
SEER		6.15	5.38	6.90	6.67	6.01	6.43	6.31
SCOP (Average climate)		4.00	3.81	4.12	4.25	4.19	4.08	4.02
Pdesignc	kW	3.20	4.50	2.50	3.50	5.00	2.50	3.50
Pdesignh (@-10°C)	kW	3.00	3.80	3.10	3.50	5.20	3.30	3.55
Annual electricity consumption (cooling/heating)	kWh/a	183/1052	293/1398	127/1053	184/1153	292/1736	136/1133	195/1238
Designated heating season		Average						

Indoor unit		FDTC25VF	FDTC35VF	FDTC40VF	FDTC50VF	FDTC60VF
Outdoor unit		SRC25ZMX-S	SRC35ZMX-S	SRC40ZSX-S	SRC50ZSX-S	SRC60ZSX-S
Energy class (cooling/heating)		A++/A+	A++/A+	A++/A	A+/A	A+/A
SEER		6.10	6.12	6.53	6.01	5.76
SCOP (Average climate)		4.13	4.15	3.96	3.85	3.80
Pdesignc	kW	2.55	3.60	4.00	5.00	5.60
Pdesignh (@-10°C)	kW	3.10	3.60	4.00	4.80	5.90
Annual electricity consumption (cooling/heating)	kWh/a	147/1050	207/1215	215/1416	291/1745	341/2172
Designated heating season		Average				

Inverter Multi-split System

Indoor unit		SRK20ZSX-S x 2	SRK20ZSX-S +SRK25ZSX-S	SRK20ZSX-S x 3	SRK20ZSX-S x 3	SRK20ZSX-S x 4	SRK20ZSX-S x 4	SRK20ZSX-S x 5
Outdoor unit		SCM40ZS-S	SCM45ZS-S	SCM50ZS-S	SCM60ZM-S	SCM71ZM-S	SCM80ZM-S	SCM100ZM-S
Energy class (cooling/heating)		A++/A+	A++/A+	A+++/A+	A+++/A+	A++/A	A++/A	A/A+
SEER		6.31	6.43	6.73	6.55	6.41	6.29	5.10
SCOP (Average climate)		4.05	4.11	4.02	4.01	3.81	3.81	4.02
Pdesignc	kW	4.00	4.50	5.00	6.00	7.10	8.00	10.00
Pdesignh (@-10°C)	kW	3.30	4.10	4.70	7.10	7.30	7.50	10.10
Annual electricity consumption (cooling/heating)	kWh/a	222/1140	245/1396	261/1637	321/2480	388/2682	446/2755	687/3519
Designated heating season		Average						

Before starting use

Heating performance

The heating performance values (kW) described in the catalogue 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 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 the Residential 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 catalogue is a dedicated cooling/heating device for human use.

Do not use it for special applications such as the storage of food items, 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 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
THERMAL SYSTEMS, LTD.**

(Wholly-owned subsidiary of MITSUBISHI HEAVY INDUSTRIES, LTD.)

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<http://www.mhi-mth.co.jp/en/>

Our factories are ISO9001 and ISO14001 certified.

Certified ISO 9001



Certificate number : JQA-0709



Certified ISO 14001



Certificate Number : YKA4CC3822

