



High Performance
RESIDENTIAL
AIR-CONDITIONING
2020



SRseries

Residential Air Conditioners

50Hz
18R01E-A



Elegant Timeless Design

The 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

Now Available (R32: The next generation refrigerant)

R32 is the next generation refrigerant that boasts nearly 70% lower Global Warming Potential Rate than R410A. Due to its superior qualities R32 offers amazing energy efficiency benefits. It has a potential refrigerating effect 1.5 times that of R410A meaning it needs less energy to achieve the desired temperature and requires less refrigerant volume to operate.



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.



Design award for Mitsubishi Heavy Industries SRK-ZSX air conditioning unit

Mitsubishi Heavy Industries has been awarded the 2017 Silver A' Design Award in the 'Engineering and Technical Design' category for its SRK-ZSX Diamond Series air conditioning unit. It was created to meet the demanding expectations of the European air conditioning market.

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.

HIGH EFFICIENCY

Consideration for the Environment

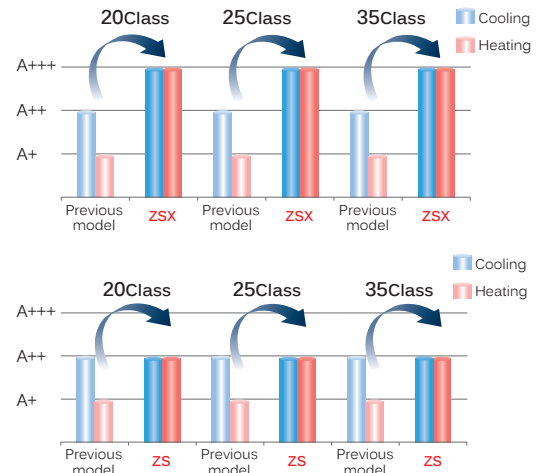
Several radical design changes and engineering developments have brought about a vast improvement in energy efficiency and environmental protection.

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

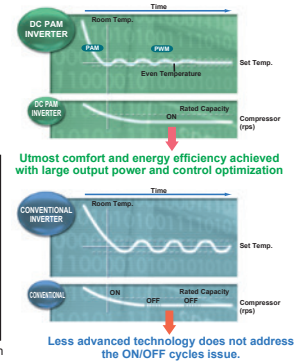
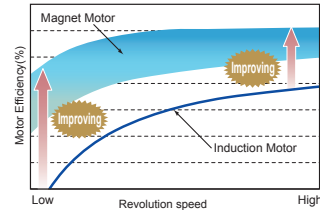
DC PAM inverter

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

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

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

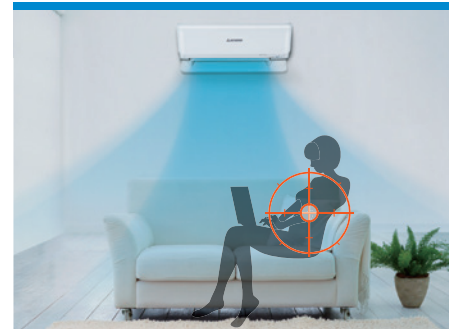
ENERGY SAVING



Eco Operation

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

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.

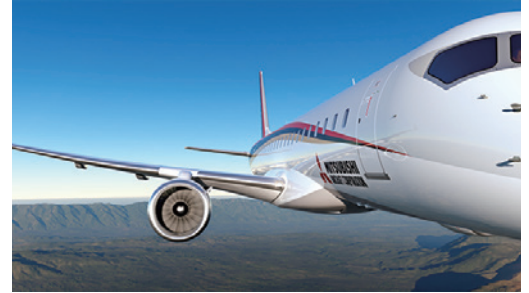
AIR FLOW

Jet Technology Quiet Air Flow & Long Reach

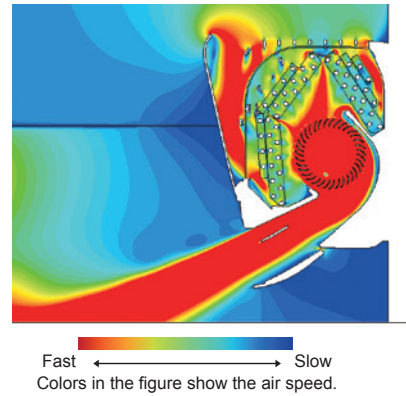
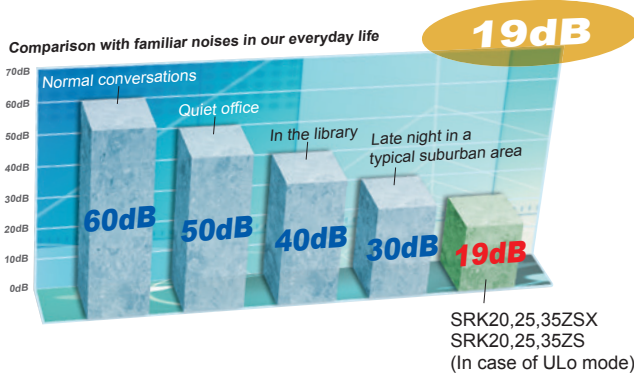
We used the same aerodynamic analysis technology as used in developing jet engines.



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.





Programmed air distribution

3D AUTO Vertical + Horizontal

Multi motors make 3 independent controls

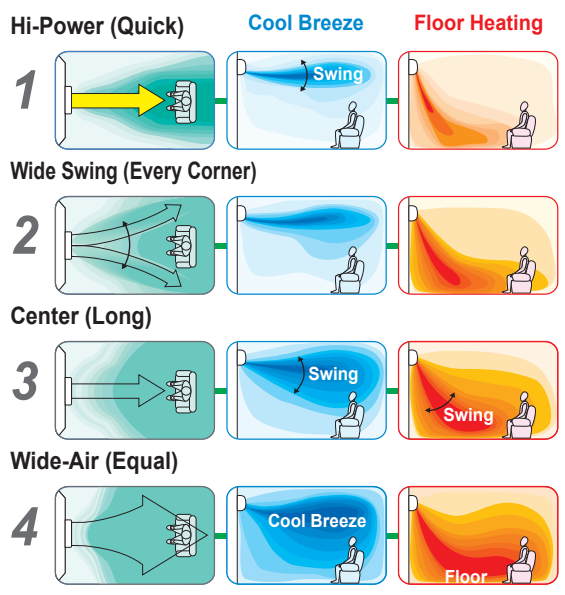
3D AUTO is one touch programmed and multi motors make three independent air flow controls. The uniform and quiet airflow can be delivered to every corner of the room, achieving economical operation and minimizing energy loss.



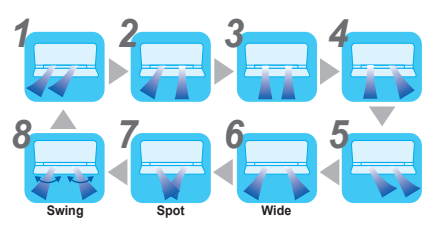
Thanks to automatic control of air flow volume and air flow direction, comfortable air conditioning of the entire room can be done effectively.

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.

Programmed 3D AUTO



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.

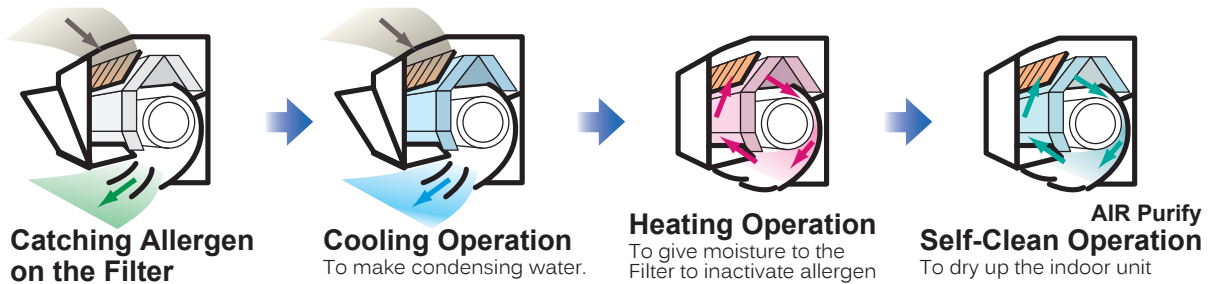
* This page is mainly described ZSX series.

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.



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.

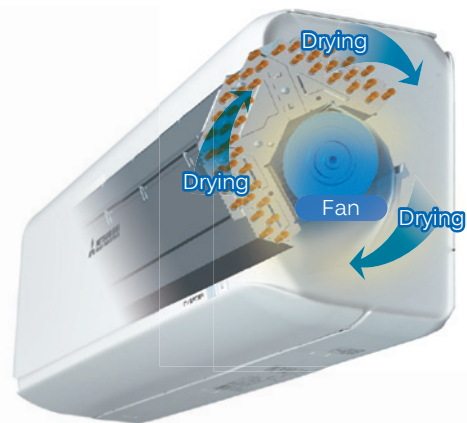
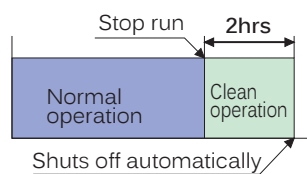
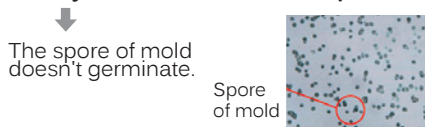
Users can select whether this mode is utilized or not.

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

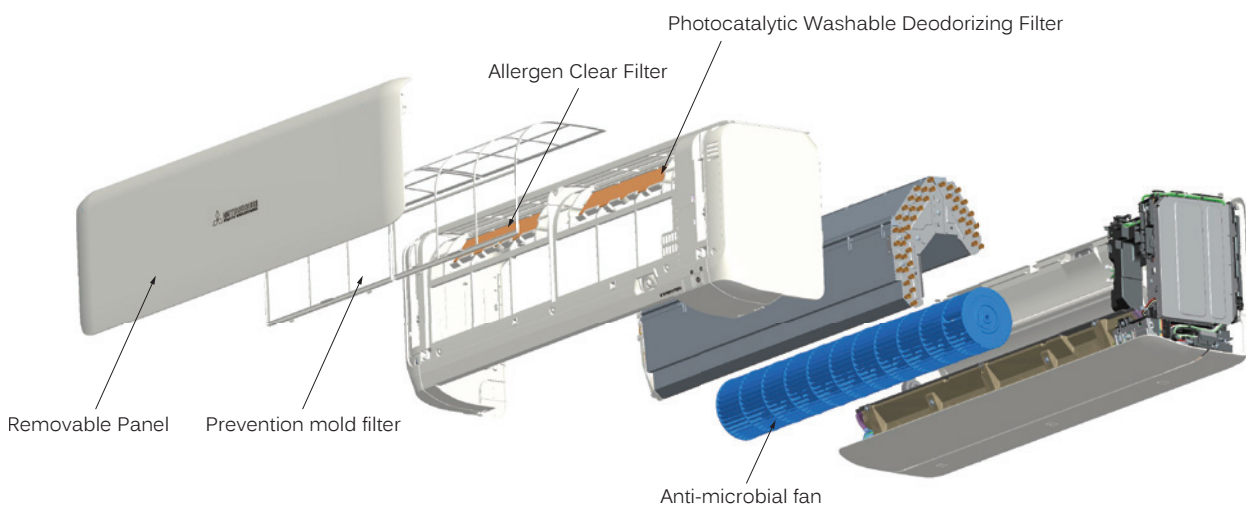
*2 Test method: ELISA colorimetric method / ELISA fluorescent method Laboratory: Independent administrative agency national hospital mechanism Sagamihara Hospital, No.1536

*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

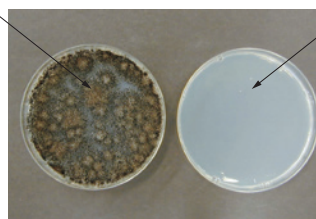
Testing Authority: Japan Food Analysis Center

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

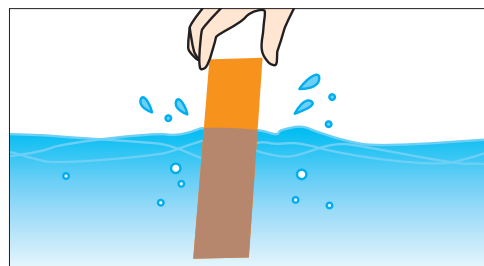
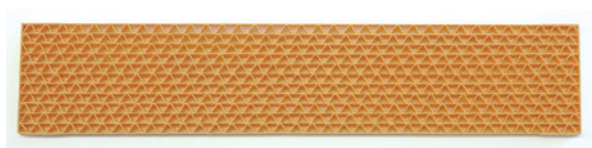


Comparison of growth of bacteria and mold on fan surfaces (microscopic image)

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

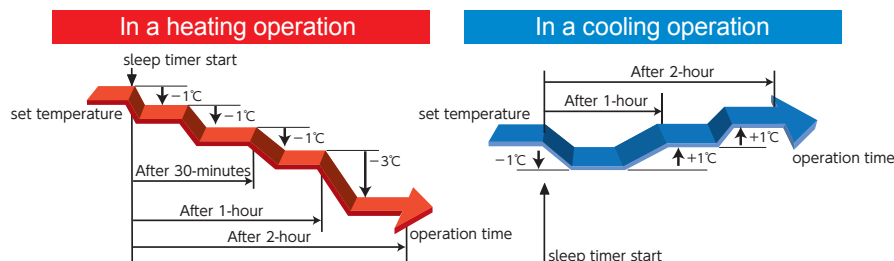
Up to 4 programs with timer operation (ON-TIMER / OFF-TIMER) are available for each day of the week.

Maximum 28 programs per week can be set.

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

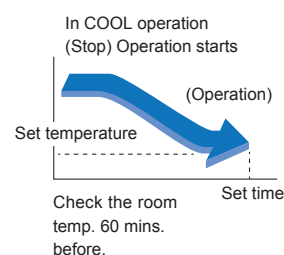
Sleep Timer

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.

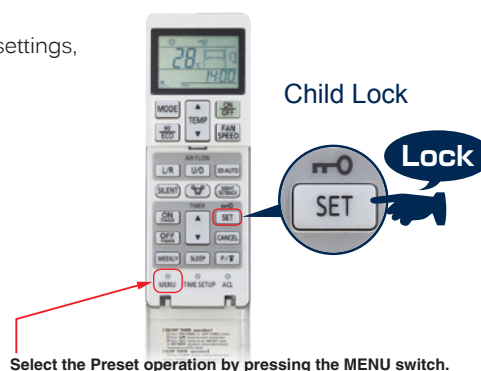


Preset Operation

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

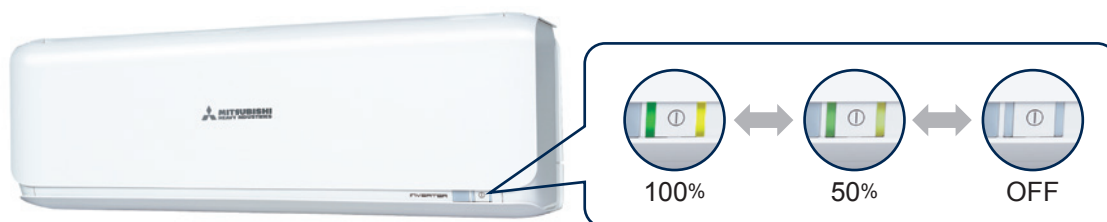
Child Lock

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



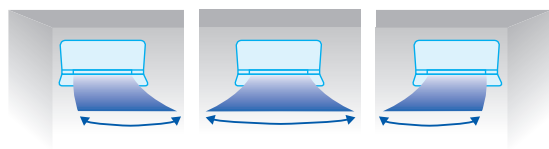
LED Brightness Adjustment

Brightness of the LED display can be adjusted to suit. (Applied for ZSX & ZS series)



Installation Positioning

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



EU/EEA market only

airconwithme

airconwithme Wifi Adaptors

Please access the followings for details.

URL <http://www.airconwithme.com>

email info@airconwithme.com

Model : AM-MHI-01

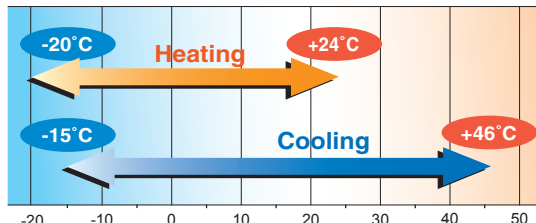
* This page is mainly described ZSX series.

COMFORT & CONVENIENCE

Wide Range of Operation

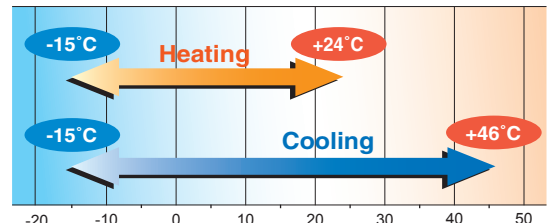
Our new advanced technology has expanded the heating and cooling operation range. This permits installation of the units considering a heating and cooling operation under a low temperature condition down to -20°C . (ZSX series)

ZSX series



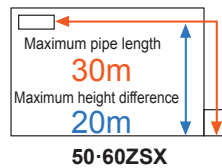
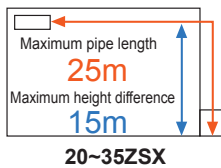
*For the capacities under low temperature conditions, refer to technical manual.

All models (except ZSX series)



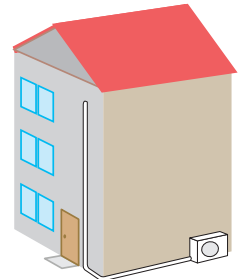
Long Piping Length

ZSX series supports a piping length of up to 30m to give design flexibility.



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

Suitable 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.



< EU/EEA market only >

Optional WiFi Control

YOUR AIR CONDITIONER ALWAYS WITH YOU

Control the Air Conditioning units through airconwithme® App in a very intuitive way. The App allows an easy and intuitive WiFi AC Control from anywhere via your smartphone or tablet.

Features

AC control	Mode	Fan speed	Vanes	Multi-language	Auto updates
Set point T°	Room ambient T°	Unlimited AC units	Timer & scenes	Error codes & descriptions	VoiceOver

*Note: available for iPhone and other devices with Android OS installed. Android is a trademark of Google Inc. IOS is a registered trademark of Cisco in the U.S. and other countries and is used under license.

HIGH TECHNOLOGIES

Our Latest Technologies (ZSX series)

[Outdoor unit]

Propeller fan

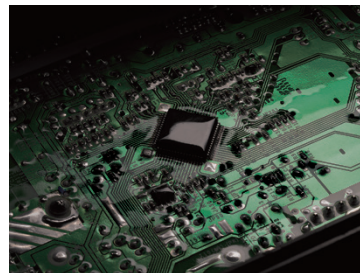
Matching a propeller fan with a fan motor has been optimized in order to keep the same capacity as that of previous models with less electrical consumption. Synergy effect with leaf grill has increased efficiency by 5% and quietened the sound.



Serration fan

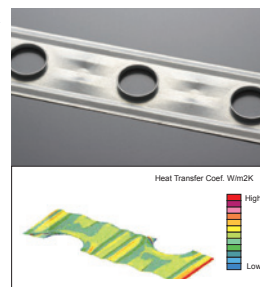
Coated PCB

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.



DC Motor

DC fan motor produces high efficiency & high power

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.



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

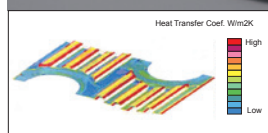


Sensor for outdoor temperature

[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 an 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	ZSP	SRF	SRR	FDTC ^{*4}	SKM	FDJM ^{*4}	FDE ^{*4}
Energy saving	Fuzzy Auto Mode	•	•	•	•	•	•	•	•	•	•
	Human Sensor	•									
	Eco Operation	•									
	Economy Mode		•	•	•	•	•		•		
	Auto Off	•									
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 ^{*2}	•	•	•		•	•				
	Night Setback	•	•	•		•	•				
	Weekly Timer	•	•	•		•	•				
	24-hour On/Off Programmable Timer	•	•	•	•	•	• ^{*3}	•	•	•	•
	Sleep Timer	•	•	•	•	•	•		•		
	On/Off Timer	•	•	•	•	•	•	•	•	•	•
	Comfort Start-up	•	•	•	•	•	•		•		
	Preset Operation	•		•							
	Child Lock	•	•	•		•	•				
	LED Brightness Adjustment	•		•							
	Positioning of Installation	•	•	•							
Others	Microcomputer-Operated Defrosting	•	•	•	•	•	•	•	•	•	•
	Self-Diagnostic Function	•	•	•	•	•	•	•	•	•	•
	Auto Restart Function	•	•	•	•	•	•	•	•	•	•

*1 In case of Multi-split system, is not available. *2 It can not be used for Multi split systems. However, it can be available when connected to SCM71-80ZM-S1. *3 When using Wired remote control. *4 When using Wireless remote control.



INVERTER HEAT PUMP MODEL



SRK-ZSP

Wall Mounted type

NEW



SRK25ZSP-S, SRK35ZSP-S, SRK45ZSP-S

Elegant Timeless Design

ZSP series is elegant design fits into any kind of interior decoration.

Compact and Light weight

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

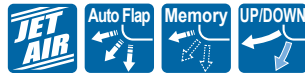


FUNCTIONS

Energy saving



Air flow



Clean operation & Filter



Comfort & Convenience



Others



SPECIFICATIONS

Indoor unit			SRK25ZSP-S	SRK35ZSP-S	SRK45ZSP-S
Outdoor unit			SRC25ZSP-S	SRC35ZSP-S	SRC45ZSP-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
Max. running current		A	9	9	14
Sound power level	Indoor	Cooling/Heating	58 / 57	59 / 58	58 / 62
	Outdoor	Cooling/Heating	58 / 59	60 / 60	63 / 64
Sound pressure level	Indoor	Cooling (Hi/Me/Lo)	45 / 34 / 23	45 / 36 / 23	44 / 39 / 24
		Heating (Hi/Me/Lo)	43 / 34 / 26	44 / 36 / 28	48 / 41 / 30
	Outdoor	Cooling/Heating	47 / 45	47 / 48	51 / 51
		Air flow			
Air flow	Indoor	Cooling (Hi/Me/Lo)	10.0 / 7.3 / 4.2	9.5 / 6.8 / 4.2	9.0 / 7.2 / 3.8
		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	HeightxWidthxDepth	267 x 783 x 210		
	Outdoor		540 x 645(+57) x 275		595 x 780(+62) x 290
Net weight		Indoor / Outdoor	7.0 / 25	7.0 / 27	7.5 / 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		m	Max. 15		
Vertical height differences		Outdoor is higher/lower	Max. 10 / Max. 10		Max. 15 / Max. 15
Outdoor operating temperature range	Cooling	°C	-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.

* 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

SRF-ZMX

Floor Standing type



Auto air outlet selection

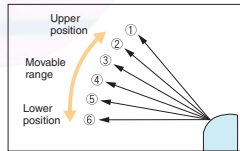
In case both lower and upper air outlets can be selected.



SRF25ZMX-S, SRF35ZMX-S, SRF50ZMX-S

Flap control system

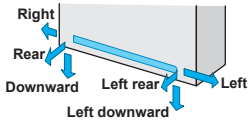
Selection of flap position is possible. A flaps can be set at different angles.



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



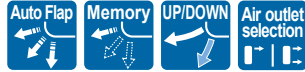
SRC50ZSX-S

FUNCTIONS

Energy saving

Air flow

Clean operation & Filter



Comfort & Convenience

Others



SPECIFICATIONS

Indoor unit			SRF25ZMX-S	SRF35ZMX-S	SRF50ZMX-S
Outdoor unit			SRC25ZMX-S	SRC35ZMX-S	SRC50ZSX-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		kW	Cooling/Heating		1.390 / 1.540
EER/COP			Cooling/Heating		3.60 / 3.90
Max. running current		A	8		15
Sound power level	Indoor	Cooling/Heating	51 / 51		58 / 58
	Outdoor	Cooling/Heating	60 / 60		63 / 62
Sound pressure level	Indoor	Cooling (Hi/Me/Lo/Ulo)	40 / 32 / 29 / 26		46 / 42 / 35 / 32
		Heating (Hi/Me/Lo/Ulo)	40 / 35 / 33 / 28		47 / 41 / 39 / 33
	Outdoor	Cooling/Heating	47 / 47		52 / 51
		Cooling/Heating	9.0 / 7.6 / 6.7 / 5.8		11.5 / 9.6 / 7.4 / 6.6
Air flow	Indoor	Heating (Hi/Me/Lo/Ulo)	10.5 / 8.2 / 7.7 / 6.6		12.0 / 10.0 / 9.4 / 7.6
	Outdoor	Cooling/Heating	29.5 / 27.0		39.0 / 33.0
Exterior dimensions	Indoor	HeightxWidthxDepth	600 x 860 x 238		
	Outdoor		595 x 780(+62) x 290		640 x 800(+71) x 290
Net weight		kg	18 / 35		19 / 45
Refrigerant		Type/GWP	R410A / 2088		
		Charge	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		°C	Cooling -15~24		-15~46
			Heating -15~24		-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.

ENERGY EFFICIENT AND ENVIRONMENTALLY CONSCIOUS

ENERGY LABEL – FOR EU/EEA AREA ONLY –

SEER and SCOP is defined in European regulations listed below.

No.626/2011 of 4 May 2011: energy labeling of air-conditioners (below cooling capacity 12kW).

No.206/2012 of 6 March 2012: requirement for air-conditioners and comfort fans.

Seasonal efficiency is the new way of rating the true efficiency of heating and cooling products over an entire year.

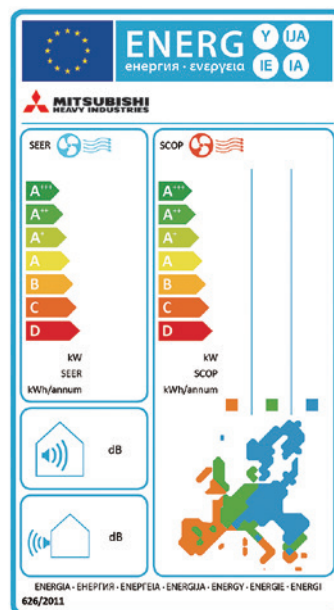
Set by the EU's new regulation implementing Eco-Design Directive for Energy Related Product (ErP) which specifies the minimum efficiency of air-conditioners manufacturers must integrate into their products.

The new Seasonal Efficiency rating system that must be used for heating and cooling by all manufacturers are;

SEER - Seasonal Efficiency Ratio (value in cooling)

SCOP - Seasonal Coefficient of Performance (value in heating)

The new rating system will indicate the true efficiency of the energy using product at specified condition.



Employment of lead-free solder

Adapted to RoHS directive

RoHS: Restriction of Hazardous substances

In order to avoid the release of hazardous substances into the environments, all models have utilized lead-free solder application. It has been considered to be difficult to use lead-free solder for practical applications because it requires higher solder temperatures at assembly, which can jeopardize reliability. However our PbF soldering method can produce a higher quality lead-free printed circuit board.

Employment of **R410A** **R32**

All models use refrigerant R410A or R32 characterized by the ozone depletion coefficient being 0.

Excellent Energy Saving

High performance and excellent energy savings are achieved at the same time by heat exchanger's increased capacity and employment of high efficiency DC motor.

Environmental

Mitsubishi Heavy Industries Thermal systems are unswervingly dedicated to facing the challenges of the future. Mitsubishi Heavy Industries Thermal systems are dedicated to supporting global sustainability by offering the most energy-efficient air-conditioning systems. Through our in-depth research and development we are able to incorporate new technologies within our units to maximise their energy efficiency and significantly reduce carbon emissions.

Environmental Impact

Mitsubishi Heavy Industries Thermal systems recognises the increasing importance of reducing carbon emissions as this is becoming a priority when selecting air and water distribution systems. Furthermore new technologies are constantly being developed to help meet heating and cooling requirements as well as environmental objectives.

The future of our planet rests in the sustained evolution of humankind while caring, with love and responsibility, for all life forms that inhabit it. Therefore Mitsubishi Heavy Industries Thermal systems will continue to develop new technologies and products and will remain competitive in the market to achieve a sustainable future.

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 (R32, 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.



(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



Certificate:44 100 980813

Certified ISO 14001



Certificate Number : YKA4005636



Certificate:04 104 980813

