Before starting use
Always read the "User Manual" thoroughly before starting use.

Before use
Air-conditioner usage target

Use in places with high ceilings
Use in areas where water or condensation could occur.

Do not use this for cooling vehicles or ships. Water leakage or current leaks could occur. This could cause the quality of the items to drop, etc.

Do not use it for special applications such as the storage of food items, water treatment, and so on.
The air-conditioner described in this catalogue is a dedicated cooling/heating device for human use.

Air-conditioner installation
Installation is an important factor for the performance of the air-conditioner.

The air-conditioner described in this catalogue is a dedicated cooling/heating distribution when heating.

If the ceiling is high, install a circulator to improve the heat and air flow in the general atmosphere.

Specialist when you use an air conditioner in places differing from a normal indoor environment.

Servicing the air-conditioner
Servicing the air-conditioner is necessary to maintain the correct level of air flow and heat exchange.

Automatic defrosting device
The "Automatic defrosting device" will function to remove this frost.

If the temperature is low, and the humidity is high, frost will stick to 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 normal indoor environment.

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 quality of the items will drop, mist may be generated, and the synthetic resin parts may deform and break.

If the oil adheres to the heat exchanger, the heat exchanging performance will drop.

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

Refrigerant leakage
Refrigerant leakage must be avoided as much as possible.

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

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.

Refrigerant (R32, R410A) used for the Residential Air conditioner is non-toxic and inflammable in its original state.

Our factories are ISO9001 and ISO14001 certified.

Certificate number : JQA-0709
(Wholly-owned subsidiary of MITSUBISHI HEAVY INDUSTRIES, LTD.)

Certificate: ISO 9001
44 100 980813
ISO 14001

Because of our policy of continuous improvement, we reserve right to make changes in all specifications without notice.

http://www.mhi-mth.co.jp/en/
16-5, Konan 2-chome, Minato-ku, Tokyo, 108-8215 Japan
Edited in Japan
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.

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.

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.

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.

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.
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)

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.

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
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 adjusts 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.

Auto Off

Air conditioner stops 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.

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.
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.

Jet Technology

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 3D AUTO

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hi-Power (Quick)</td>
<td>Cool Breeze</td>
</tr>
<tr>
<td>Wide Swing (Every Corner)</td>
<td>Floor Heating</td>
</tr>
<tr>
<td>Center (Long)</td>
<td></td>
</tr>
<tr>
<td>Wide-Air (Equal)</td>
<td></td>
</tr>
</tbody>
</table>

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”

Fungal mycelia expand.

When you execute “Self Clean Operation”

The spore of mold doesn’t germinate.

Allergen Clear Filter

Enzyme + Urea deactivates allergens and bacteria.

The allergen clear filter breaks down the pollen¹, lice², 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 bacteria³, molds and viruses⁴. Even if allergens and bacteria, etc. fly off 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.

Testing Authority: Japan Food Analysis Center

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

<table>
<thead>
<tr>
<th>Filter</th>
<th>SRK-ZSX</th>
<th>SRK-ZR</th>
<th>SRK-ZS</th>
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</thead>
<tbody>
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<td>Allergen Clear Filter</td>
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<td>1pc</td>
<td>1pc</td>
</tr>
<tr>
<td>Photocatalytic Washable Deodorizing Filter</td>
<td>1pc</td>
<td>1pc</td>
<td>1pc</td>
</tr>
</tbody>
</table>

* This page is mainly described ZSX series.
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.

* 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)

![Graph showing heating and cooling operation range](image)

**ZSX series**

- Heating: -20°C to +24°C
- Cooling: -15°C to +46°C

**All models (except ZSX series)**

- Heating: -15°C to +24°C
- Cooling: -15°C to +46°C

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

Long Piping Length

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

**ZSX series**

- Maximum pipe length: 25m
- Maximum height difference: 15m
- Maximum pipe length: 30m
- Maximum height difference: 20m

**20~35ZSX**

**50-60ZSX**

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.

Optional WiFi Control

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
- Vane
- Multi-language
- Auto updates

Note: available for iPhone and other devices with Android 2.3 installed.
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.

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

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.

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

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.

* This page is mainly described ZSX series.
The unit dehumidifies the room by intermittent blowing, maintaining a comfortable cooling and heating condition.

**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 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.

**Others**

**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.
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<th>Energy saving</th>
<th>ZSK</th>
<th>ZR</th>
<th>ZS</th>
<th>ZSP</th>
<th>SRF</th>
<th>SRR</th>
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<td>Silent Operation*2</td>
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<td>Night Setback</td>
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<td>Weekly Timer</td>
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<td>24-hour On/Off Programmable Timer</td>
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<td>On/Off Timer</td>
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<td>Comfort Start-up</td>
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<td>Preset Operation</td>
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<td>Child Lock</td>
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<td>LED Brightness Adjustment</td>
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<td>Positioning of Installation</td>
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<tr>
<th>Others</th>
<th>ZSK</th>
<th>ZR</th>
<th>ZS</th>
<th>ZSP</th>
<th>SRF</th>
<th>SRR</th>
<th>FDTC</th>
<th>SKM</th>
<th>FDM</th>
<th>FDE</th>
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<tr>
<td>Microcomputer-Operated Defrosting</td>
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<td>Self-Diagnostic Function</td>
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<td>Auto Restart Function</td>
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<td>●</td>
<td>●</td>
<td></td>
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</tbody>
</table>

*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

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.

■ SPECIFICATIONS

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>SRK25ZSP-S</th>
<th>SRK35ZSP-S</th>
<th>SRK45ZSP-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>1 Phase, 220 - 240V, 50Hz</td>
<td></td>
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</tr>
<tr>
<td>Nominal cooling capacity (Min~Max) kW</td>
<td>2.80 (0.9~3.9)</td>
<td>3.60 (0.9~4.3)</td>
<td>5.00 (0.8~5.8)</td>
</tr>
<tr>
<td>Nominal heating capacity (Min~Max) kW</td>
<td>2.80 (0.9~3.9)</td>
<td>3.60 (0.9~4.3)</td>
<td>5.00 (0.8~5.8)</td>
</tr>
<tr>
<td>Power consumption Cooling/Heating kW</td>
<td>0.78 / 0.755</td>
<td>0.995 / 0.990</td>
<td>1.495 / 1.365</td>
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<tr>
<td>EER/COP Cooling/Heating</td>
<td>3.21 / 3.71</td>
<td>3.22 / 3.62</td>
<td>3.01 / 3.61</td>
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<tr>
<td>Max. running current A</td>
<td>9</td>
<td>14</td>
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<td>Sound power level</td>
<td>Indoor Cooling/Heating</td>
<td>58 / 57</td>
<td>59 / 58</td>
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<td>Sound pressure level</td>
<td>Indoor Cooling/Heating</td>
<td>58 / 59</td>
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<td>Outdoor Cooling/Heating</td>
<td>60 / 60</td>
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<tr>
<td></td>
<td>Outdoor Cooling/Heating</td>
<td>63 / 64</td>
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<tr>
<td>Air flow</td>
<td>Indoor Cooling (Hi/Me/Lo)</td>
<td>45 / 34 / 26</td>
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</tr>
<tr>
<td></td>
<td>Heating (Hi/Me/Lo)</td>
<td>45 / 36 / 26</td>
<td>44 / 39 / 24</td>
</tr>
<tr>
<td></td>
<td>Outdoor Cooling (Hi/Me/Lo)</td>
<td>47 / 45</td>
<td></td>
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<tr>
<td></td>
<td>Outdoor Heating (Hi/Me/Lo)</td>
<td>47 / 48</td>
<td>51 / 51</td>
</tr>
<tr>
<td>Air flow</td>
<td>Indoor Cooling/Heating</td>
<td>10.0 / 7.3 / 4.2</td>
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<tr>
<td></td>
<td>Heating (Hi/Me/Lo)</td>
<td>9.5 / 7.3 / 5.5</td>
<td>9.6 / 7.4 / 5.5</td>
</tr>
<tr>
<td></td>
<td>Outdoor Cooling/Heating</td>
<td>25.4 / 20.5</td>
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</tr>
<tr>
<td></td>
<td>Outdoor Heating (Hi/Me/Lo)</td>
<td>25.6 / 20.6</td>
<td></td>
</tr>
<tr>
<td>Net weight Indoor / Outdoor kg</td>
<td>7.0 / 25</td>
<td>7.0 / 27</td>
<td>7.5 / 40</td>
</tr>
<tr>
<td>Refrigerant Type/GWP</td>
<td>R410A / 2088</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant piping size Liquid/Gas ø mm</td>
<td>6.35(1/4&quot;) / 9.52(3/8&quot;)</td>
<td>6.35(1/4&quot;) / 12.7(1/2&quot;)</td>
<td></td>
</tr>
<tr>
<td>Refrigerant line (one way) length m</td>
<td>Max. 15</td>
<td>Max. 25</td>
<td></td>
</tr>
<tr>
<td>Vertical height differences Outdoor is higher/lower m</td>
<td>Max. 10 / Max. 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor operating temperature range Cooling °C</td>
<td>-15~46</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heating °C</td>
<td>-15~24</td>
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<tr>
<td>Clean filter</td>
<td>—</td>
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</table>

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.

'Stone' 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.

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

Comfort & Convenience
- Energy saving
- Clean filter
- temperature range
- Refrigerant line (one way) length
- Net weight

Exterior
- Air flow
- Max. running current
- Sound power level
- Sound pressure level
- Air flow
- Max. running current

Indoor unit
- Cooling/Heating
- Heating (Hi/Me/Lo/Ulo)
- Cooling/Heating
- Cooling/Heating

Outdoor unit
- Cooling/Heating
- Heating (Hi/Me/Lo/Ulo)
- Cooling/Heating
- Cooling/Heating

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

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

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

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

Clean operation & Filter
- Sleep
- Diagnostic

SILENT
Silent mode can be selected.

Piping and drain hose connection
Selection of flap position is possible.

Flap control system

Installation workability

Wireless remote control

FUNCTIONS
- Energy saving
- Air flow
- Clean operation & Filter
- Comfort & Convenience
- Others

SOURCES
- Upper position
- Lower position

R410A / 2088

Inverter Heat Pump Model
SRF-ZMX
Floor Standing type

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>SRF25ZMX-S</th>
<th>SRF35ZMX-S</th>
<th>SRF50ZMX-S</th>
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</thead>
<tbody>
<tr>
<td>Power source</td>
<td>1 Phase, 220 - 240V, 50Hz</td>
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</tr>
<tr>
<td>Nominal cooling capacity (Min–Max)</td>
<td>2.5 (0.9~3.2)</td>
<td>3.5 (0.9~4.1)</td>
<td>5.0 (1.1~5.2)</td>
</tr>
<tr>
<td>Nominal heating capacity (Min–Max)</td>
<td>3.4 (0.9~4.7)</td>
<td>4.5 (0.9~5.1)</td>
<td>6.0 (0.6~6.9)</td>
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<tr>
<td>Power consumption</td>
<td>0.521 / 0.723</td>
<td>0.890 / 1.124</td>
<td>1.390 / 1.540</td>
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<tr>
<td>EER/COP</td>
<td>Cooling/Heating</td>
<td></td>
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<tr>
<td>Max. running current</td>
<td>4.80 / 4.70</td>
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<tr>
<td>Sound power level</td>
<td>51.5 / 60</td>
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<tr>
<td>Sound pressure level</td>
<td>52.5 / 62</td>
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<tr>
<td>Air flow</td>
<td>9.5 / 6.4</td>
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<tr>
<td>Air flow</td>
<td>10.5 / 7.4</td>
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<tr>
<td>Air flow</td>
<td>29.5 / 39.5</td>
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<tr>
<td>Air flow</td>
<td>600 x 860 x 238</td>
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<tr>
<td>Net weight</td>
<td>19 / 35</td>
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<tr>
<td>Refrigerant Type/GWP</td>
<td>R410A / 2088</td>
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<tr>
<td>Refrigerant piping size</td>
<td>Liquid/Gas</td>
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<tr>
<td>Vertical height differences</td>
<td>Outdoor is higher/lower</td>
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<tr>
<td>Outdoor operating temperature range</td>
<td>Cooling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean filter</td>
<td>Allergen Clear Filter x 1 Photocatalytic Washable Deodorizing Filter x 1</td>
<td></td>
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</tr>
</tbody>
</table>

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.

-15~24
ENERGY EFFICIENT AND ENVIRONMENTALLY CONSCIOUS

ENERGY LABEL – FOR EU/EEA AREA ONLY –
SEER and SCOP is defined in European regulations listed below.

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.

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 snow 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.

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.

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 a stable base.

Usage place
Do not install in places where combustible gas could leak or where there are sparks. Installation in a place where combustible gas could be generated, flow or accumulate, or places containing carbon fibers could lead to fires.

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 sulfurous gases or in alkaline atmosphere including ammonia or calcium chloride, places where the exhaust of the heat exchanger is sucked in, or in 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.

Safety Precautions

Certificate number : YKA4005636