Split Type Air Conditioners

DC Inverter Power Control
Cooling Only [50 Hz]  R-410A

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.

2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Cautions on product corrosion

Warning

Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.

Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.

Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.

Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

JMI-0107
JQA-1452

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION
Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, COMPRESSORS AND VALVES.

All of the Daikin Group’s business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.
Always around Us

They are always there, just like air. We believe air conditioners should have simple designs that merge smoothly with our daily lives. Daikin’s subtle flat panel design blends seamlessly into any room interior. A lineup of 6 models from 2.5 to 7.1 kW is available.
Sophisticated Appearance with Flat Panel

The series’ simple and stylish flat panel design harmonises with any interior decor. ▶ See pages 3 and 4.

Higher Energy Savings

The DC Inverter series achieves high COPs thanks to its swing compressor with Reluctance DC motor and DC motor for fan. The 2.5 kW model delivers a COP of 3.57. ▶ See pages 5 and 6.

Quiet Operation

Daikin has achieved lower sound levels for both the indoor and outdoor units. The 2.5 kW model now operates at a whisper-like 22 dB (A). ▶ See page 8.

Cleanliness

The range of clean features includes the photocatalytic air-purifying filters, Mould-Proof Operation and Wipe-Clean Flat Panel. ▶ See pages 9 and 10.
Stylish Design Creates Harmony in Any Interior

**FTKS25DVM / RKS25GVMG**
- 2.5 (1.2-3.2) kW
- 8,500 (4,050-10,900) Btu/h

**FTKS35DVM / RKS35GVMG**
- 3.5 (1.4-4.0) kW
- 11,900 (4,750-13,650) Btu/h

**FTKS50GVMG / RKS50GVMG**
- 5.0 (1.7-6.0) kW
- 17,100 (5,800-20,500) Btu/h

**FTKS60GVMG / RKS60GVMG**
- 6.0 (2.3-6.7) kW
- 20,500 (7,800-22,900) Btu/h

*Available with FTKS50/60G only.*
FTKS25DVM / RKS25GVMG
2.5 (1.2-3.2) kW
8,500 (4,050-10,900) Btu/h

FTKS35DVM / RKS35GVMG
3.5 (1.4-4.0) kW
11,900 (4,750-13,650) Btu/h

FTKS50/60G

FTKS25/35D
RKS50/60G

FTKS50GVMG / RKS50GVMG
5.0 (1.7-6.0) kW
17,100 (5,800-20,500) Btu/h

FTKS60GVMG / RKS60GVMG
6.0 (2.3-6.7) kW
20,500 (7,800-22,900) Btu/h

FTKS50BVMA / RKS50BVMG
5.0 (0.90-5.80) kW
17,070 (3,070-19,800) Btu/h

*1 Available with FTKS50/60G only.
*2 Available with FTKS50B only.

FTKS71HVMG / RKS71HVMG
7.1 (2.3-8.5) kW
24,200 (7,800-29,000) Btu/h
Compliance to Mandatory Energy Label
The 5 models listed below have received Singapore’s National Environment Agency (NEA) energy labels for household electrical appliances.

<table>
<thead>
<tr>
<th>Model</th>
<th>COP</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTKS25D/RKS25G</td>
<td>3.57</td>
</tr>
<tr>
<td>FTKS35D/RKS35G</td>
<td>3.38</td>
</tr>
<tr>
<td>FTKS50G/RKS50G</td>
<td>3.57</td>
</tr>
<tr>
<td>FTKS60G/RKS60G</td>
<td>3.37</td>
</tr>
<tr>
<td>FTKS71H/RKS71H</td>
<td>3.38</td>
</tr>
</tbody>
</table>

What is COP?
An air conditioner’s COP (Coefficient of Performance) indicates how efficiently the unit uses energy. A higher COP means greater energy efficiency. It also means lower electricity consumption, so you save money.

\[
COP = \frac{\text{Capacity (W)}}{\text{Power consumption (W)}}
\]

Inverter Advantages Compared to Non-Inverter
Inverters are devices that are able to vary their operating capacity by adjusting frequency. Inverter air conditioners can vary their cooling capacity by adjusting the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed cooling capacity and can only control the indoor temperature by starting or stopping their compressors.

Powerful
Inverter air conditioners operate at maximum capacity as soon as they start up. As a result, the set temperature can be reached more quickly.

Energy Saving
After the indoor temperature approaches the set temperature, Inverter Control adjusts to low capacity operation to maintain this temperature. This makes inverter models more energy-saving than non-inverter models, which must repeatedly start or stop their compressors to maintain the room temperature.

Comfortable
Inverter air conditioners finely adjust capacity according to changes in the air-conditioning load and the difference between the indoor temperature and set temperature is small. These give higher comfort levels than with non-inverter air conditioners.

Variable Capacity Operation

<table>
<thead>
<tr>
<th>Inverter Power Control</th>
<th>Compressor</th>
<th>Non-inverter type air conditioner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td></td>
<td>Power source</td>
</tr>
<tr>
<td>Inverter</td>
<td>Raise frequency</td>
<td>High-speed rotation</td>
</tr>
<tr>
<td></td>
<td>Lower frequency</td>
<td>Low-speed rotation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fixed capacity</td>
</tr>
</tbody>
</table>

Comfortable Temperature Control

This diagram is a representation for illustrative purpose only.
Swing Compressor

Thanks to its smooth rotation, the swing compressor decreases friction and vibration. It also prevents the leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.

Reluctance DC Motor for Compressor

Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor saves energy by generating more power with a smaller electric current than AC or conventional DC motors. It is more efficient at the low frequencies most commonly used by air conditioners,*3 improving efficiency by approximately 20%.

DC Motor for Fan

The DC motor allows fine rotation control, which reduces energy consumption. The motor also provides improvements in operational efficiency of up to 40%, compared to an AC motor. These improvements are particularly noticeable in the low-speed range.

PAM Control

PAM (Pulse Amplitude Modulation) control reduces energy loss by controlling how often the converter switches on and off.

What Is DC Inverter?

Daikin calls an inverter model that is equipped with a DC motor DC Inverter. A DC motor offers higher efficiency than an AC motor. A DC motor uses the power of magnets to attract and repel to generate rotation. A DC motor that is equipped with high-power neodymium magnets, which enable even greater efficiency, is called a Reluctance DC motor.
**Intelligent Eye**

Intelligent Eye prevents energy wastage by using its infrared sensor to detect human movement in a room. When there is no movement, Intelligent Eye increases the temperature by 2 °C to give energy savings. This reduces energy wastage if, for example, you forget to turn off the air conditioner. The function can be conveniently activated from the remote controller. Once Intelligent Eye is set, it continues to work to save energy. You do not need to push the SENSOR button each time you wish to use this function.

**Econo Mode**

This function limits both the maximum running current and maximum power consumption to 70%* of those during normal operation. It is particularly effective if the cooling load is high, for example, at start-up or during large gatherings and periods of direct sunshine. At the same time, it maintains maximum capacity at 80%* of normal, giving improved operating efficiency, although it may take slightly longer to reach the set temperature. Econo Mode is also useful for preventing circuit breakers from being overloaded during temporary peaks in the running current. The function is easily activated from the remote controller by pushing the ECONO button. Econo Mode is available for FTKS25/35D and 71H.

*Econo Mode limits FTKS71H’s maximum power consumption to 50%, during normal operation and also maintains maximum capacity at 60%.
**Indoor Unit Quiet Operation**

This series gives you the choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation. This function decreases the operation sound level by 3 dB (A) below the Low setting.

This wide range of settings allows you to precisely control the fan speed according to your requirements. For example, Indoor Unit Quiet Operation provides you with a good night’s sleep. The sound level for FTKS25D is 22 dB (A).

### FTKS25D

<table>
<thead>
<tr>
<th>Fan speeds</th>
<th>Sound levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>High (H)</td>
<td>37 dB (A)</td>
</tr>
<tr>
<td>Low (L)</td>
<td>25 dB (A)</td>
</tr>
<tr>
<td>Quiet (SL)</td>
<td>22 dB (A)</td>
</tr>
</tbody>
</table>

### Outdoor Unit Quiet Operation

Outdoor Unit Quiet Operation is available for all models from 2.5 to 7.1 kW class. This function decreases the operation sound level by 3 dB (A) below the rated operation. It provides a low sound level of 43 dB (A) for RKS25G.

Capacity may decrease when Outdoor Unit Quiet Operation is selected.

### RKS25G

<table>
<thead>
<tr>
<th>Operations</th>
<th>Sound levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated (H)</td>
<td>46 dB (A)</td>
</tr>
<tr>
<td>Quiet (L)</td>
<td>43 dB (A)</td>
</tr>
</tbody>
</table>

Based on “Examples of Sound Levels”, Ministry of the Environment, Japan, November 12, 2002
Titanium apatite is a new photocatalytic material with advanced adsorption power. While the filter’s micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria. The photocatalyst is activated simply by exposure to light. The filter delivers consistent performance for approximately 3 years if periodic maintenance is performed.

This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Titanium Apatite Photocatalytic Air-Purifying Filter

For FTKS25/35D and 50/60G

For FTKS71H

Bacteria removal test
Testing method: Dropping method
Testing organisation: Japan Spinners Inspecting Foundation
Result certificate: No. 012553-1 and 012553-2

Effect of Titanium Apatite Photocatalyst

Apatite adsorbs bacteria. At the same time, the photocatalyst oxidises odour components, breaking them down.

Note: The FTKS71H uses 3 air filters and 3 Titanium Apatite Photocatalytic Air-Purifying Filters.
Titanium apatite is a new photocatalytic material with advanced adsorption power. While the filter’s micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria. The photocatalyst is activated simply by exposure to light. The filter delivers consistent performance for approximately 3 years if periodic maintenance is performed. This filter is not available with FTKS50B.

**Mould-Proof Operation**

When cooling or dry operation is stopped, fan-only operation runs automatically for 1 hour. This airflow dries the inside of the indoor unit to reduce the generation of mould and odours. It is available with FTKS25/35D.

**Wipe-Clean Flat Panel**

Flat panel models can be cleaned instantly with a single wipe of a cloth across their smooth surface. If more thorough cleaning is required, the panel can also be easily removed from the unit.

---

**Conventional Front Grille Design**

Front grille design units collect dust on their air inlet grilles unless these grilles are cleaned regularly.

1. Difficult to remove dust on the grille through wiping alone
2. Reduced capacity due to increased suction resistance
3. High sound levels due to increased suction resistance
Comfortable Airflow

**Inverter Powerful Operation**
Inverter Powerful Operation boosts cooling performance for a 20-minute period. This is convenient both when you first turn on your air conditioner and when you want to quickly change the temperature during operation.

**Comfort Airflow Mode**
Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to your body. With this function, when you press the COMFORT button during operation, the flap moves upward to prevent direct cold drafts. Comfort Airflow Mode is available for FTKS71H only.

**Power-Airflow Dual Flaps**

**Wide-Angle Louvers**
Power-Airflow Dual Flaps and Wide-Angle Louvres work in tandem to precisely control both vertical and horizontal airflow for distribution of air.

**Vertical Auto-Swing (up and down)**
Vertical Auto-Swing automatically moves the flaps up and down and Horizontal Auto-Swing automatically moves the louvres to the left and right. 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling of even large spaces. Horizontal Auto-Swing and 3-D Airflow are available for FTKS50/60G and 71H.

**Horizontal Auto-Swing (left and right)**

**3-D Airflow**

**Indoor Unit On/Off Switch**
The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.

**Night Set Mode**
Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling for your pleasant sleep. Room temperature is raised by 0.5 °C after 60 minutes for cooling operation.
Functions

Lifestyle Convenience

Home Leave Operation

Home Leave Operation prevents large rises in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

* Home Leave Operation can be set at any temperature from 18 to 32 °C. Home Leave Operation is available for FTKS50/60G.

During operation, 23 °C for the room temperature setting, and 28 °C for the Home Leave setting.

23 °C

Start Home Leave Operation simply by pushing its button on the remote controller.

28 °C

When you are out of your home, your air conditioner prevents large rises in the indoor temperature by continuing to operate using Home Leave Operation settings.

23 °C

When you return, you will be greeted by an air-conditioned room. Just push the HOME LEAVE button again to return to your previous settings.

Worry Free

Anticorrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit’s heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins’ resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets.

Cross section of anticorrosion-treated fin

Hydrophilic film
Aluminium
Corrosion-resistant acrylic resin
Heat exchanger fin

Installation Flexibility

A long piping length gives installation flexibility. Installation is possible even if there is no space for the outdoor unit near the indoor unit.

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. piping length</th>
<th>Max. height difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTKS25D/RKS25G</td>
<td>25 m</td>
<td>15 m</td>
</tr>
<tr>
<td>FTKS35D/RKS35G</td>
<td>25 m</td>
<td>15 m</td>
</tr>
<tr>
<td>FTKS50G/RKS50G</td>
<td>30 m</td>
<td>20 m</td>
</tr>
<tr>
<td>FTKS60G/RKS60G</td>
<td>30 m</td>
<td>20 m</td>
</tr>
<tr>
<td>FTKS71H/RKS71H</td>
<td>30 m</td>
<td>20 m</td>
</tr>
</tbody>
</table>

The outdoor unit’s heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins’ resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets.
Comfortable Airflow

**Comfort Airflow Mode**
This function prevents uncomfortable drafts from blowing directly on to the body. The flap changes the airflow direction. To prevent drafts, the flap moves upward during operation. [See page 11]

**Power-Airflow Dual Flaps**
Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room. [See page 11]

**Wide-Angle Louvres**
The smoothly curved Wide-Angle Louvres provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room. [See page 11]

**Vertical Auto-Swing (up and down)**
This function automatically moves the flaps up and down to distribute air across a room. [See page 11]

**Horizontal Auto-Swing (left and right)**
Horizontal Auto-Swing automatically moves the louvres to the left and right to cover a room with cool air. [See page 11]

**3-D Airflow**
This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool air right to the corners of even large spaces. [See page 11]

Lifestyle Convenience

**Econo Mode**
This mode limits maximum running current to 70% and power consumption to 50% to 70% of normal operation, while maintaining maximum capacity at 80% to 80%. This improves operating efficiency and also prevents circuit breakers from being overloaded. [See page 7]

**Inverter Powerful Operation**
This function is convenient for boosting cooling performance for a 20-minute period both when you first turn on your air conditioner or want to quickly change the room temperature. [See page 11]

**Home Leave Operation**
Home Leave Operation continues operation to prevent a room from becoming too hot, while you are sleeping or out of your home. Select any temperature from 18 to 32 °C. [See page 12]

**Indoor Unit On/Off Switch**
The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged. [See page 11]

Comfort Control

**Indoor Unit Quiet Operation**
Indoor unit operating sound levels are decreased by 2 or 3 dB (A) from the Low setting fan speed using the wireless remote controller. [See page 8]

**Outdoor Unit Quiet Operation**
Outdoor unit operating sound levels are decreased by 3 dB (A) from the rated operation sound using the wireless remote controller. [See page 8]

**Intelligent Eye**
Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by 2 °C for energy savings. [See page 7]

**Programme Dry Function**
This function automatically reduces the level of humidity.

Auto Fan Speed
The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Timers

**24-Hour On/Off Timer**
This timer can be preset to start and stop at any time within a 24-hour period. The air conditioner is started/ stopped simply by pressing the On/Off timer button on the wireless remote controller.

**Night Set Mode**
Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling for your pleasant sleep. Room temperature is raised by 0.5 °C after 60 minutes for cooling operation. [See page 11]

Worry Free

**Auto-Restart after Power Failure**
The air conditioner memorises the settings for mode, airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.

**Self-Diagnosis with Digital Display**
Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

**Anticorrosion Treatment of Outdoor Heat Exchanger Fins**
The outdoor unit’s heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins’ resistance to acid rain and salt corrosion. [See page 12]
Cleanliness

Titanium Apatite Photocatalytic Air-Purifying Filter
This filter contains the new photocatalytic material titanium apatite. While the filter’s micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria. The filter can be used for up to 3 years with proper maintenance.
► See page 9

Mould-Proof Operation
Mould-Proof Operation automatically runs fan-only operation for 1 hour when cooling or dry operation is stopped. This airflow prevents the generation of mould and mould odours inside the indoor unit.
► See page 10

Wipe-Clean Flat Panel
The flat panel models can be cleaned with only the single pass of a cloth across their smooth surface. The flat panel can also be easily removed for more thorough cleaning.
► See page 10

Function List

<table>
<thead>
<tr>
<th>Indoor Unit Functions</th>
<th>Models</th>
<th>FTKS 25/35G</th>
<th>FTKS 50/60G</th>
<th>FTKS 71H</th>
</tr>
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<tbody>
<tr>
<td>Comfort Airflow</td>
<td>DC Inverter</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>Comfort Control</td>
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<td>Cleanliness</td>
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<td>Lifestyle Convenience</td>
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<tr>
<td>Timers</td>
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<tr>
<td>Worry Free</td>
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</table>

<table>
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<tr>
<th>Outdoor Unit Functions</th>
<th>Models</th>
<th>RKS 25/35G</th>
<th>RKS 50/60G</th>
<th>RKS 71H</th>
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<tbody>
<tr>
<td>Comfort Control</td>
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<tr>
<td>Worry Free</td>
<td></td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

Anticorrosion Treatment of Outdoor Heat Exchanger Fins
Wireless remote controller for FTKS25/35D

- Selects fan speed and indoor unit quiet operation
- Selects mode: cooling, dry, fan-only operation
- Outdoor unit quiet operation
- Mould-proof operation
- 24-Hour On Timer
- 24-Hour Off Timer and night set mode

Wireless remote controller for FTK50/60G

- Selects fan speed and indoor unit quiet operation
- Selects mode: cooling, dry, fan-only operation
- Outdoor unit quiet operation
- Intelligent eye
- On/off switch
- 24-Hour On Timer
- 24-Hour Off Timer and night set mode

Econo mode
- On/off switch
- Vertical auto-swing
- Vertical auto-swing (up and down)
- Inverter powerful operation
- Sets room temperature
- Sets clock
- Sets timer
- Mould-proof operation
- Horizontal auto-swing
- Horizontal auto-swing (left and right)
- Inverter powerful operation
- Sets room temperature
- Home leave operation
Wireless remote controller for FTKS71H

- Selects fan speed and Indoor Unit Quiet Operation
- Selects mode: cooling, dry, fan-only operation
- Outdoor Unit Quiet Operation
- Comfort Airflow Mode
- 24-Hour On Timer
- 24-Hour Off Timer
- and Night Set Mode

- On/Off Switch
- Sets room temperature
- Inverter Powerful Operation
- Vertical Auto-Swing (up and down)
- Horizontal Auto-Swing (left and right)
- Cancels On/Off Timer
- Sets clock
- Sets timer
### Specifications

#### FTKS25/35D

<table>
<thead>
<tr>
<th>Model name</th>
<th>Indoor unit</th>
<th>FTKS25DVM</th>
<th>FTKS35DVM</th>
<th>Outdoor unit</th>
<th>FTKS25GVMG</th>
<th>FTKS35GVMG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Rated (Min.-Max.) kW</td>
<td>2.5 (1.2-3.2)</td>
<td>3.5 (1.4-4.0)</td>
<td>Blt/h</td>
<td>8,500 (4,050-10,900)</td>
<td>11,800 (4,150-13,650)</td>
</tr>
<tr>
<td>Power supply</td>
<td>1 phase, 230 V, 50 Hz</td>
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<td></td>
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<tr>
<td>Running current</td>
<td>Rated A</td>
<td>3.9</td>
<td>4.8</td>
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<tr>
<td>Power consumption</td>
<td>Rated (Min.-Max.) W</td>
<td>700 (296-1,050)</td>
<td>1,035 (300-1,400)</td>
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<td></td>
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<tr>
<td>COP</td>
<td>Rated</td>
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<td>FTKS25DVM</td>
<td>FTKS35DVM</td>
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<td>Front panel colour</td>
<td>White</td>
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<tr>
<td>Airflow rate (H) m³/min (dm³)</td>
<td>8.7 (307)</td>
<td>8.9 (314)</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Fan speed</td>
<td>5 steps, quiet and automatic</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Sound levels (H/L/SL) dB (A)</td>
<td>37/25/22</td>
<td>39/26/23</td>
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<td>Dimensions (H x W x D) mm</td>
<td>283 x 800 x 195</td>
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<tr>
<td>Machine weight kg</td>
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<tr>
<td>Outdoor unit</td>
<td>RKS25GVMG</td>
<td>RKS35GVMG</td>
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<tr>
<td>Casing colour</td>
<td>Ivory white</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Compressor</td>
<td>Type</td>
<td>Hermetically sealed swing type</td>
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<tr>
<td>Motor output W</td>
<td>600</td>
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<tr>
<td>Refrigerant charge (R-410A) kg</td>
<td>0.8</td>
<td>1.0</td>
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<tr>
<td>Sound levels (H/L) dB (A)</td>
<td>46/43</td>
<td>47/44</td>
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<tr>
<td>Dimensions (H x W x D) mm</td>
<td>550 x 765 x 285</td>
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<td>Machine weight kg</td>
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<td>34</td>
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<td>Operation range °CDB</td>
<td>10 to 46</td>
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<tr>
<td>Piping connections</td>
<td>Liquid</td>
<td>ø6.4</td>
<td></td>
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<tr>
<td></td>
<td>Gas</td>
<td>ø 9.5</td>
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</tr>
<tr>
<td></td>
<td>Drain</td>
<td>ø 18.0</td>
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<tr>
<td>Max. piping length m</td>
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#### FTKS50/60G and 71H

<table>
<thead>
<tr>
<th>Model name</th>
<th>Indoor unit</th>
<th>FTKS50GVMG</th>
<th>FTKS60GVMG</th>
<th>FTKS71HVMG</th>
<th>Outdoor unit</th>
<th>FTKS50GVMG</th>
<th>FTKS60GVMG</th>
<th>FTKS71HVMG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Rated (Min.-Max.) kW</td>
<td>5.0 (1.7-6.0)</td>
<td>6.0 (2.3-6.7)</td>
<td>7.1 (2.3-8.5)</td>
<td>Blt/h</td>
<td>17,100 (5,800-20,500)</td>
<td>20,500 (7,800-22,900)</td>
<td>24,200 (7,800-29,000)</td>
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<tr>
<td>Power supply</td>
<td>1 phase, 230 V, 50 Hz</td>
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<tr>
<td>Running current</td>
<td>Rated A</td>
<td>6.2</td>
<td>7.8</td>
<td>9.2</td>
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<tr>
<td>Power consumption</td>
<td>Rated (Min.-Max.) W</td>
<td>1,400 (440-2,080)</td>
<td>1,780 (570-3,580)</td>
<td>2,100 (570-3,100)</td>
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<tr>
<td>COP</td>
<td>Rated</td>
<td>3.57</td>
<td>3.37</td>
<td>3.38</td>
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<tr>
<td>Indoor unit</td>
<td>FTKS50GVMG</td>
<td>FTKS60GVMG</td>
<td>FTKS71HVMG</td>
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<tr>
<td>Front panel colour</td>
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<td></td>
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</tr>
<tr>
<td>Airflow rate (H) m³/min (dm³)</td>
<td>14.7 (519)</td>
<td>17.4 (614)</td>
<td>21.5 (760)</td>
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<tr>
<td>Fan speed</td>
<td>5 steps, quiet and automatic</td>
<td></td>
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<td></td>
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<td></td>
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<tr>
<td>Sound levels (H/L/SL) dB (A)</td>
<td>43/34/31</td>
<td>46/37/34</td>
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<tr>
<td>Dimensions (H x W x D) mm</td>
<td>290 x 1,050 x 238</td>
<td>340 x 1,200 x 240</td>
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<td></td>
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<tr>
<td>Machine weight kg</td>
<td>12</td>
<td>17</td>
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<tr>
<td>Outdoor unit</td>
<td>RKS50GVMG</td>
<td>RKS60GVMG</td>
<td>RKS71HVMG</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing colour</td>
<td>Ivory white</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor</td>
<td>Type</td>
<td>Hermetically sealed swing type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor output W</td>
<td>1,100</td>
<td>1,920</td>
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<tr>
<td>Refrigerant charge (R-410A) kg</td>
<td>1.5</td>
<td>1.7</td>
<td>2.3</td>
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<tr>
<td>Sound levels (H/L) dB (A)</td>
<td>47/44</td>
<td>54/49</td>
<td>52/49</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Dimensions (H x W x D) mm</td>
<td>735 x 825 x 300</td>
<td>770 x 900 x 320</td>
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<td></td>
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<tr>
<td>Machine weight kg</td>
<td>47</td>
<td>55</td>
<td>71</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Operation range °CDB</td>
<td>10 to 46</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Piping connections</td>
<td>Liquid</td>
<td>ø6.4</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Gas</td>
<td>ø12.7</td>
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</tr>
<tr>
<td></td>
<td>Drain</td>
<td>ø18.0</td>
<td></td>
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<tr>
<td>Max. piping length m</td>
<td>30</td>
<td></td>
<td></td>
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<tr>
<td>Max. height difference m</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

---

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27 °CDB, 19 °CW; outdoor temp. 35 °CDB; piping length 7.5 m.
2. Sound levels are based on the temperature conditions 1. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.
### Indoor unit

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>FTKS25/35D</th>
<th>FTKS50/60G</th>
<th>FTKS71H</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact)</td>
<td>*1 KRP413A81S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Titanium apatite photocatalytic air-purifying filter</td>
<td>KAF970A46</td>
<td>KAF952B42</td>
<td>KAF970A48</td>
</tr>
<tr>
<td>3</td>
<td>Air-purifying filter with photocatalytic deodorising function</td>
<td>*2 –</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>4</td>
<td>Remote controller loss prevention with chain</td>
<td>KKF917A4</td>
<td>–</td>
<td>KKF910A4</td>
</tr>
</tbody>
</table>

Notes: *1. A wiring adaptor (KRP413A81S) is also required for each indoor unit.  
*2. The time clock and other devices should be obtained locally.  
*3. The filter is a standard accessory. It should be replaced approximately every 3 years.

### Outdoor unit

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>RKS25/35G</th>
<th>RKS50/60G</th>
<th>RKS71H</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Air direction adjustment grille</td>
<td>KPW937A4</td>
<td>KPW945A4</td>
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<tr>
<td>2</td>
<td>Drain plug</td>
<td>KKP937A4</td>
<td>–</td>
<td>KKP945A4</td>
</tr>
</tbody>
</table>

Note: *1. One set includes 5 pieces for 5 units.

### Control system

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>FTKS25/35D</th>
<th>FTKS50/60G</th>
<th>FTKS71H</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Central remote controller</td>
<td>*1 DCS302CA61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Unified On/Off controller</td>
<td>*1 DCS301BA61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Schedule timer</td>
<td>*1 DST301BA61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Interface adaptor for DB-BNET use</td>
<td>*1 KRP928BB2S</td>
<td></td>
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</tr>
</tbody>
</table>

Note: *1. Interface adaptor for DB-BNET use (KRP928BB2S) is also required for each indoor unit.

Specifications are subject to change.
Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.