Designed to surpass Technology to outclass
The innovative design combined with the excellent inverter technology from Daikin ENVi Series can make the COP as high as 4.81 so you could save energy.

Excellent Energy Efficiency

World-renowned 2014 Red Dot Award for Product Design in the air conditioning category.

Daikin ENVi Series has 3D air flow & downwind, high & low power and an intelligent design helping to quickly create an even distribution of cool air throughout the room for everyone's comfort.

It's All About Design

Intelligent Sensor

Comfort Year Round

Daikin's 2014 Red Dot Award winning design. Enjoy a cleaner air everyday with a sophisticated titanium apatite photocatalytic air purifying filter.

Absolutely Quietest

With refrigerant R32, you will be a big part of helping reduce our global warming.

Environment Saving (R32)

Absolutely Quietest

With Daikin's smartphone control, you will be part of helping reduce our global warming. You can control the unit from anywhere at any time. Just touch your finger tip, and the unit will turn on or off automatically.

Smartphone Control

Versatility

It's Daikin's first time with technology control with wifi, allowing you to control the unit from anywhere by the touch of your finger tip.
Stylish Appearance and Operation

Daikin ENVi has won the world-renowned 2014 Red Dot Award for Product Design in the air conditioning category, confirming its status as an icon of contemporary climate control.

The annual Red Dot Awards are judged by an international jury of design experts, who judge products on a number of criteria, including:

- aesthetics,
- innovation,
- functionality
- their environmental credentials
- quality, ergonomics and durability

Daikin, not only is the leader of advance energy-saving technologies for air conditioning but also highly focuses on the product design that will cater to the changing lifestyle of consumers. Then the perfect combination of the best technologies and the best design becomes ENVi Series.

Designed in Europe, to satisfy a uniquely European aesthetic, the awarded Daikin ENVi has an aerodynamic and incredibly thin profile that makes a modern design statement on any wall.

With a curved front panel design that is compatible with any style of interior decor. The new way of starting function enables you to install your aircon from the ceiling as low as 30 mm.

Daikin ENVi Series has developed from the concept of Design is everything, this is why Daikin ENVi Series is outstanding from other air conditioners no matter when it turns on or off, with the working sound level as quiet as a whisper only 19dB.

When combined with energy saving technology Inverter, and newly adopted R32 refrigerant which can reduce the global warming better, it makes the Daikin ENVi Series innovative solutions worthy for your home.

It’s All About Design

DISCOVER A NEW WORLD OF INTERIOR DESIGN/
DAIKIN ENVi SERIES IS A HIGHLY INTELLIGENT SYSTEM WITH INNOVATIVE FEATURES

2-Area intelligent eye

The 2-area intelligent eye sensor controls comfort in two ways. If the room is empty for 30 minutes, it changes the set point to start saving energy. As soon as someone enters the room, it immediately returns to the original setting. The intelligent eye also directs air flow away from people in the room to avoid cold draughts.

3D air flow (up & down, left & right)

To ensure a harmonised temperature throughout the room, the Daikin ENVi Series 3D air flow system combines vertical and horizontal auto-swing creating an even distribution of air throughout the room to the corners of even large spaces.
Comfort mode

Draught-free operation improves comfort. When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body.

Night set mode

Rapid changes in room temperature can disturb your sleep. To avoid this, Daikin ENGI Series prevents overheating or overcooling during the night. If the timer is switched on, the unit will automatically set the temperature to 0.5°C warmer when cooling and to 2°C cooler when warming.

Photocatalytic Air Purifying

A sophisticated titanium apatite photo-catalytic air purification filter traps even microscopic airborne dust particles, absorbs organic contaminants such as bacteria and viruses and even breaks down odours.

Titanium Apatite Photocatalytic Air-Purifying Filter

Photocatalytic air purifying is a deodorising and antibacterial technology. Daikin was the first to apply this advance to the air purifying filters used in air conditioners. Daikin’s success has led manufacturers in various industries to adopt the technology for antibacterial products.

Titanium apatite is an advanced photocatalytic material with great adsorption power. While a filter’s micron-level fibres trap dust, titanium apatite effectively absorbs and decomposes bacteria.

The photocatalyst is activated simply by exposure to light. This filter delivers consistent performance for approximately three years if it is washed with water once every six months.

Note: 1. This practical application of titanium apatite was a world first. It was announced in September 2003 at the 3rd International Workshop on the Utilization and Commercialization of Photocatalytic Systems, Coatings for Clean Surfaces, Water and Air Purification.

 Superior Comfort in Your Home

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Inverter system can make you feel cool faster with more energy saving (compared to Non Inverter system). Moreover, it also helps maintain a constant temperature in the room where you need it, making you feel comfortable all the time especially while you are sleeping.

Inverter Technology

More Energy-Saving than Non-Inverter

Inverters are devices which are able to vary their capacity by adjusting operating frequency. Inverter air conditioners do this by allowing the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed 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. This burst of increased power allows them to reach the set temperature more quickly.

Energy-Saving

As the set temperature is reached, inverter operation adjusts to low capacity to maintain the room temperature. This precise control makes inverter models more energy-efficient than non-inverters, which must repeatedly start or stop their compressors.

Comfortable

Inverter systems finely adjust their capacity according to the air conditioning load, minimizing the difference between the set temperature and room temperature. This ensures higher comfort levels than with non-inverter systems.

Excellent Energy Efficiency

Inverter systems can cut energy consumption compared to non-inverter models. This helps to reduce household power bills and also lowers CO₂ emissions caused by electricity generation.
ENVi series realizes superior design and high efficiency, at the same time uses the new refrigerant R32 and Daikin’s energy saving technology.

**DC Inverter Control.**

DC Inverter is Daikin’s term for an inverter air conditioner equipped with a DC motor. These motors use magnets to generate rotation, making them more efficient than AC motors. Daikin has fitted its advanced DC motors for compressors and fan motors with powerful neodymium magnet to achieve even greater efficiency. It calls these devices Reluctance DC motors.

**Swing Compressor**

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

**Reluctance DC Motor for Compressors**

The compressor is one of the air conditioner’s core components and its performance is directly linked to the motor. Daikin was the first to successfully use a Reluctance DC motor with a scroll compressor in commercial air conditioners. It has now adapted this high-efficiency motor for the swing compressors in its residential air conditioners.

Embarking high-strength neodymium magnets in the shaft turns the entire centre of the motor into a powerful magnet. By rapidly switching the poles of this electromagnet, the Reluctance DC motor is able to produce even greater speed and power.
Smartphone Control

The easy-to-use remote unit gives you absolute control of the room temperature from wherever you are. Sit back, check the large display and put all of Daikin ENVi Series’s built-in intelligence to work through user-friendly buttons.

Smartphone Control

The plug-and-play extra WLAN device allows you to set and even schedule the temperature from anywhere, using Apple or Android systems. So you can manage the unit when away from home, offering optimal climate control while saving energy.

Absolutely Quietest

Experience a new dimension of relaxation, you can have a sound sleep more than ever, Daikin ENVi Series works at the sound level as only 19 decibels which is just like a whisper. You will not even notice any noise from the air conditioner and get full relaxation.

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**TYPICAL SOUND LEVELS**

The decibel (dB) is a unit for describing sound pressure levels. A-weighted sound measurements (dBA) are filtered to reduce the effect of very low and very high frequencies, better representing human hearing. With A-wighting, sound monitoring equipment approximates the human ear's sensitivities to the different sounds of frequencies.

<table>
<thead>
<tr>
<th>Sound Description</th>
<th>Decibels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rustle of Leaves</td>
<td></td>
</tr>
<tr>
<td>Quiet Country Residence</td>
<td></td>
</tr>
<tr>
<td>Average Office</td>
<td></td>
</tr>
<tr>
<td>Quiet Automobile at low Speed (interior)</td>
<td></td>
</tr>
<tr>
<td>Ordinary Conversation, 3 away</td>
<td></td>
</tr>
<tr>
<td>Boeing 737 departing off Runway 19, measured at Washington Marina (80 dB Lmax)</td>
<td></td>
</tr>
<tr>
<td>Orchestral Crescendo</td>
<td></td>
</tr>
<tr>
<td>Power Mower Rock Music With Amplifier</td>
<td></td>
</tr>
<tr>
<td>MD-80 departing off Runway 1, measured at Gravely Point (104 dB Lmax)</td>
<td></td>
</tr>
</tbody>
</table>

**DISCOVER A NEW WORLD / WLAN CONTROL VIA APP / EASY CONTROL FROM EVERYWHERE**

The easy-to-use remote unit gives you absolute control of the room temperature from wherever you are. Sit back, check the large display and put all of Daikin ENVi Series’s built-in intelligence to work through user-friendly buttons.

**Required for Operation**

- A Daikin mobile controller (optional adaptor) is required for each indoor unit.
- Users need to prepare Items (1) to (3).

**Required for Operation**

- Daikin mobile controller (optional adaptor) (1)
- Android phone (2)
- iPhone Internet application (3)
- Wireless router (4)
- Daikin mobile controller (optional adaptor) (5)

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Daikin is the world’s first to use R-32 refrigerant for Residential Aircon which will not destroy the ozone layer and also reduce the global warming by up to 3x from the current refrigerant (compare with the R410A), more energy-saving with the efficiency and better features in cooling conduction that uses 30% less refrigerant. You can be a part in helping to save this planet by choosing Daikin ENVi Series which uses R32 refrigerant and helps in saving money for your family as well.

Function List of ENVi Series

- Wide-Angle Louvers
- Power-Airflow Dual Flaps
- DC Inverter Control
- Horizontal Auto-Swing (left and right)
- Vertical Auto-Swing (up and down)
- Comfort Airflow Mode
- 3D Airflow
- Two-Area Intelligent Eye
- Indoor Unit Quiet Operation
- Auto Fan Speed
- Programme Dry Function
- Econo Mode
- Inverter Powerful Operation
- Weekly Timer
- 24 Hour On/Off Timer
- Auto-Restart after Power Failure
- Night Set Mode
- Self-Diagnosis with Digital Display
- Outdoor Unit Quiet Operation
- Night Quiet Mode
- Priority-Room Setting
- Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins

Wireless Remote Controller

- Selects outdoor temperature
- Selects operation mode
- Selects unit operation setting
- Selects timer setting
- Selects current and previous operation
- Selects current and previous operation
- Selects timer, mode, setting significant number, day, time and temperature
- Deactivates, reactivates or deletes Weekly Timer settings.
- Sets brightness of the multi monitor and timer indicators on the indoor unit.
- Starts and completes settings.
- Goes back.
- Cancels timers.
- Sets clock.
- Copies settings.
- Goes next.
- Selects timers modes, setting significant number, day, time and temperature.
- Selects current and previous operation
- Selects current and previous operation
- Selects timer setting
- Selects operation mode
- Selects unit operation setting
- Selects current and previous operation
- Selects current and previous operation
- Selects timer, mode, setting significant number, day, time and temperature

The Daikin ENVi Series uses R-32 refrigerant which is Environment Saving (R32). Daikin is the world's first to use R-32 refrigerant for Residential Aircon which will not destroy the ozone layer and also reduce the global warming by up to 3x from the current refrigerant (compare with the R410A), more energy-saving with the efficiency and better features in cooling conduction that uses 30% less refrigerant. You can be a part in helping to save this planet by choosing Daikin ENVi Series which uses R32 refrigerant and helps in saving money for your family as well.

Environment
Saving (R32)
<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>FTKJ25NV</th>
<th>FTKJ35NV</th>
<th>FTKJ42NV</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Front Panel Colour</strong></td>
<td>Silver/White, Silver/White</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cooling Capacity</strong></td>
<td>kW</td>
<td>2.5</td>
<td>3.5</td>
</tr>
<tr>
<td></td>
<td>Btu/h</td>
<td>8,500</td>
<td>11,900</td>
</tr>
<tr>
<td><strong>Airflow Rate</strong></td>
<td>m³/min (cfm)</td>
<td>8.9 (313)</td>
<td>10.9 (385)</td>
</tr>
<tr>
<td><strong>Fan Speed</strong></td>
<td>5 Steps, Quiet, Automatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sound Levels</strong></td>
<td>H/SL</td>
<td>dB(A)</td>
<td>38/19</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>H x W x D</td>
<td>mm</td>
<td>303 x 998 x 212</td>
</tr>
<tr>
<td><strong>Weight (Mass)</strong></td>
<td>kg</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td><strong>Piping Connection</strong></td>
<td>Liquid</td>
<td>Ø 6.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gas</td>
<td>Ø 9.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drain</td>
<td>Ø 12.7</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Single-Split Type (R-32)</th>
<th>Multi-Split Type (R-410A)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Outdoor</strong></td>
<td></td>
</tr>
<tr>
<td><strong>RKJ25NV</strong></td>
<td><strong>RKJ35NV</strong></td>
</tr>
<tr>
<td><strong>Cooling Capacity (Min-Max)</strong></td>
<td>kW</td>
</tr>
<tr>
<td></td>
<td>Btu/h</td>
</tr>
<tr>
<td><strong>Casing Colour</strong></td>
<td>Ivory White</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>1 phase, 230 V, 50 Hz</td>
</tr>
<tr>
<td><strong>Compressor Type</strong></td>
<td>Hermetically Sealed Swing Type</td>
</tr>
<tr>
<td><strong>Sound Levels</strong></td>
<td>H/SL</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(H x W x D)</td>
</tr>
<tr>
<td><strong>Weight (Mass)</strong></td>
<td>kg</td>
</tr>
<tr>
<td><strong>Max. Interunit Piping Length</strong></td>
<td>m</td>
</tr>
<tr>
<td><strong>Max. Interunit Height Difference</strong></td>
<td>m</td>
</tr>
<tr>
<td><strong>COP (Rated)</strong></td>
<td>W/W</td>
</tr>
</tbody>
</table>

**Energy Ticks**

Measurement conditions:
1. Capacity is based on: indoor temp. 27 °CDB, 19 °CWB; outdoor temp. 35 °CDB; piping length 7.5m.
2. Sound pressure levels are measured in an anechoic chamber based on temperature condition 1 above. These values are normally somewhat higher during actual operation as a result of ambient conditions.
3. The above values are based on operation with a 220 V, 50 Hz power supply.
4. The specifications, designs and other content included in this brochure are current as of March 2016 and are subject to change without notice.

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