Flexis
Hi-Wall Split Systems
Advantages of R32

R32 has a number of environmental benefits compared with R410A. R32 is a commonly used refrigerant with a global warming potential of 675. This is less than one third the GWP of R410A refrigerant (2090). R32 provides high energy efficiency from a smaller refrigerant volume.

As a single component refrigerant, R32 is also easier to recycle and re-use which is another environmental bonus. In addition, R32 is easy to handle for installers and service technicians because it can be charged in both gas and liquid phase. Plus, the working pressure is similar to R410A, and there are no glide problems that occur with blended refrigerants.

What is R32?

The chemical name is Difluoromethane. Formula CH₂F₂. It has already been used for many years as a component of the refrigerant blend R410A (R410A is a blend of 50% R32 and 50% R125). Haier and other industry players recognise today that there are several advantages of using R32 in its pure form instead of R410A and other types of blends.

In terms of safety, R32 is slightly flammable refrigerant classed as an A2L.

R32 and R410A at a glance

<table>
<thead>
<tr>
<th>AS/NZS5149.1</th>
<th>R32</th>
<th>R410A</th>
<th>R22</th>
<th>R290</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>HFC-32</td>
<td>HFC-32/125 (50%/50%)</td>
<td>HFC-22</td>
<td>C3H8</td>
</tr>
<tr>
<td>GWP (Global warming potential)</td>
<td>675</td>
<td>2090</td>
<td>1810</td>
<td>3.3</td>
</tr>
<tr>
<td>ODP (Ozone depletion potential)</td>
<td>0</td>
<td>0</td>
<td>0.05</td>
<td>0</td>
</tr>
<tr>
<td>Flammability class</td>
<td>A2L (slightly)</td>
<td>A1 (non)</td>
<td>A1 (non)</td>
<td>A3 (highly)</td>
</tr>
</tbody>
</table>

R32 and R410A are both HFC-32 based refrigerants, but R410A uses an additional 50% R125.
Sleep Mode

Haier High-Wall Split Systems have a specially developed Sleep Mode, providing the ideal environment to ensure maximum comfort and energy saving during your night’s sleep.

When using Sleep Mode to cool, the temperature rises 1°C per hour for two hours, then maintains the final temperature for six hours, then deactivates.

When using Sleep Mode to heat, the temperature drops 2°C per hour for two hours, maintains that temperature for three hours and increasing by 1°C for the remaining three hours, then deactivates.

3D Airflow

Five vertical stages and six horizontal stages.
Hydrophilic aluminum foil

By controlling and maintaining the most suitable evaporation temperature and circulating air volume, the condensation water on the evaporator increases by 30%. New hydrophilic aluminum foil increases water flow speed by 20% and thoroughly cleans the dirt away.

Healthy air / Self-Clean

Dust accumulates at the evaporator when air conditioners are running. Our patented self-cleaning technology freezes the evaporator and utilises the expansion force of the ice water condensation to remove dirt and harmful particles.

Cold expansion technology

Haier’s Cold Expansion Technology increases the condensing water volume and optimises the evaporating temperature through capacity and fan speed control.

Nanop silver ion coating

Nano silver ion anti-virus material on the surface of aluminum can kill bacteria and viruses, inhibiting the bacterial growth on the surface of heat exchanger.
Benefits

- Improved sterilisation rate, providing healthier air for users.
- Lower maintenance cost on the air conditioner as it cleans itself by activating the Self-Clean function.
Performance

With Haier’s A-PAM DC Inverter technology, the desired temperature is reached quickly and efficiently before stabilising for ultimate comfort.

ECO Sensor

Eco Sensor achieves high efficiency and ensures a comfortable experience (excluding AS82FFAHRA).

Technology

- With two integration modules, realises the ECO Sensor double area detection to improve your experience.

- The ECO Sensor has a maximum detection angle of 120° and a maximum detection distance of five metres. This enables the ECO Sensor to monitor room conditions in real time and adjust to increase comfort.

ECO Mode

The ECO Sensor automatically identifies when people are in the room so that it achieves high energy efficiency. When there is no one in the room, the air conditioner will switch into ECO Energy Saving Mode after 20 minutes, automatically adjusting the setting temperature.

Low Watts

High efficiency, low watt compressors and an optimised condensing system mean the power input of low watt models is reduced to 40% that of standard models. This is even lower the power input of an electric oven.

Low Voltage

The Haier low voltage series feature a compressor optimised with maximum torque that will keep running even with voltage as low as 175V.
High quality components

Haier’s High-Wall Split System uses high-quality and durable components that offer efficient energy usage, generate lower noise and ensure reliable operation.

Smart WiFi control from anywhere

The Haier Flexis air conditioner is designed with WiFi components built in.

Easy use

The latest version of our app, Haier Smart Air2, has been updated for a better user experience. New functions include:

- **Weekly Timer**
  User can pre-set the air conditioner for one week, setting operating mode, temperature and fan speed.

- **Sleep Curve**
  Four typical sleeping curves are designed for children, seniors, adult women and men. End users can adjust the sleeping curve by themselves.

- **Error Alarm**
  Error code will be shown in the app, making technical issues easier to solve.

- **Filter Status Detection**
  Regular reminders for filter cleaning to maintain air quality, increase cleaning efficiency or air circulation, and energy saving.

- **Group Control**
  End users can control multiple AC units together.

- **Convenient Control**
  End users can control the air conditioners from anywhere through WiFi or 3G / 4G network.
Specifications

Models
AS26FBBHRA
AS35FBBHRA
AS53FEBHRA
AS71FEBHRA

Models
AS82FFAHRA

Warranty*
5yr

Easy installation

Improved mounting plate
Easy support clip
2-Way drain pipe
Detachable bottom cover*
Easy PCB maintenance*
Quick and easy repair motor
Wider tubing space

* Excludes AS82FFAHRA
### F series (Flexis) specifications

<table>
<thead>
<tr>
<th>Indoor</th>
<th>AS26FBBHRA</th>
<th>AS35FBBHRA</th>
<th>AS53FEBHRA</th>
<th>AS71FEBHRA</th>
<th>AS82FFAHRA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>1U26JACFRA</td>
<td>1U35JACFRA</td>
<td>1U53RABFRA</td>
<td>1U71SABFRA</td>
<td>1U82SAAFRA</td>
</tr>
<tr>
<td><strong>Capacity (kW)</strong></td>
<td>2.65 (1.5 - 3.2)</td>
<td>3.4 (1.3 - 4)</td>
<td>5.1 (1.5 - 6.7)</td>
<td>7.1 (1.9 - 8.4)</td>
<td>8.2 (2.4 - 9.0)</td>
</tr>
<tr>
<td><strong>Power input (kW)</strong></td>
<td>3.3 (1.6 - 3.8)</td>
<td>3.8 (1.6 - 4.3)</td>
<td>5.7 (1.6 - 7.7)</td>
<td>7.6 (2 - 10.2)</td>
<td>9.0 (12.7 - 11.0)</td>
</tr>
<tr>
<td><strong>EER</strong></td>
<td>5.30</td>
<td>4.36</td>
<td>4.40</td>
<td>4.41</td>
<td>3.61</td>
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<tr>
<td><strong>COP</strong></td>
<td>5.08</td>
<td>4.81</td>
<td>4.52</td>
<td>4.02</td>
<td>3.60</td>
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<tr>
<td><strong>Star Rating</strong></td>
<td>6.0</td>
<td>4.0</td>
<td>4.0</td>
<td>3.5</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Electrical</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Running current (A)</strong></td>
<td>2.33</td>
<td>3.57</td>
<td>5.20</td>
<td>7.51</td>
<td>10.10</td>
</tr>
<tr>
<td><strong>Max Running current (A)</strong></td>
<td>3.00</td>
<td>3.58</td>
<td>5.53</td>
<td>8.24</td>
<td>11.10</td>
</tr>
<tr>
<td><strong>Power cable connection location</strong></td>
<td>Outdoor</td>
<td>Outdoor</td>
<td>Outdoor</td>
<td>Outdoor</td>
<td>Outdoor</td>
</tr>
<tr>
<td><strong>Power supply (Ph/V/Hz)</strong></td>
<td>1/230/50</td>
<td>1/230/50</td>
<td>1/230/50</td>
<td>1/230/50</td>
<td>1/230/50</td>
</tr>
<tr>
<td><strong>Refrigeration</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Refrigerant Type</strong></td>
<td>R32</td>
<td>R32</td>
<td>R32</td>
<td>R32</td>
<td>R32</td>
</tr>
<tr>
<td><strong>Pipe Size</strong></td>
<td>Liquid/Suct</td>
<td>6.35 / 9.52</td>
<td>6.35 / 9.52</td>
<td>6.35 / 12.7</td>
<td>6.35 / 12.7</td>
</tr>
<tr>
<td><strong>Refrigerant Charge (kg)</strong></td>
<td>1.10</td>
<td>1.20</td>
<td>1.30</td>
<td>1.45</td>
<td>1.50</td>
</tr>
<tr>
<td><strong>Pipe length (Min – Max)</strong></td>
<td>1.5 - 15</td>
<td>1.5 - 15</td>
<td>1.5 - 25</td>
<td>1.5 - 25</td>
<td>1.5 - 25</td>
</tr>
<tr>
<td><strong>Maximum Height Difference (m)</strong></td>
<td>10</td>
<td>10</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td><strong>Pre-charged Length (m)</strong></td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td><strong>Additional Refrigerant (grams/m)</strong></td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

### INDOOR UNIT

<table>
<thead>
<tr>
<th>Model</th>
<th>AS26FBBHRA</th>
<th>AS35FBBHRA</th>
<th>AS53FEBHRA</th>
<th>AS71FEBHRA</th>
<th>AS82FFAHRA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net dimension (mm)</strong></td>
<td>W/D/H</td>
<td>870 x 196 x 301</td>
<td>870 x 196 x 301</td>
<td>1115×230×337</td>
<td>1115×230×337</td>
</tr>
<tr>
<td><strong>Net weight (kg)</strong></td>
<td>10.1</td>
<td>10.1</td>
<td>13.0</td>
<td>13.0</td>
<td>21.0</td>
</tr>
<tr>
<td><strong>Air Circulation H/M/L (L/s)</strong></td>
<td>Cooling</td>
<td>170/140/110</td>
<td>170/140/110</td>
<td>290/250/210</td>
<td>310/265/220</td>
</tr>
<tr>
<td><strong>Sound Pressure Level (dBA)</strong></td>
<td>39/33/28/21</td>
<td>40/38/29/22</td>
<td>45/42/36/33</td>
<td>49/45/39/33</td>
<td>48/44/40/36</td>
</tr>
<tr>
<td><strong>Remote</strong></td>
<td>YR-HQ</td>
<td>YR-HQ</td>
<td>YR-HQ</td>
<td>YR-HQ</td>
<td>YR-HQ</td>
</tr>
</tbody>
</table>

### OUTDOOR UNIT

<table>
<thead>
<tr>
<th>Model</th>
<th>1U26JACFRA</th>
<th>1U35JACFRA</th>
<th>1U53RABFRA</th>
<th>1U71SABFRA</th>
<th>1U82SAAFRA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net dimension (mm)</strong></td>
<td>W/D/H</td>
<td>820×338×614</td>
<td>820×338×614</td>
<td>890×553×697</td>
<td>920×385×762</td>
</tr>
<tr>
<td><strong>Net weight (kg)</strong></td>
<td>40.6</td>
<td>40.6</td>
<td>49.0</td>
<td>54.0</td>
<td>60.0</td>
</tr>
<tr>
<td><strong>Compressor Type</strong></td>
<td>Rotary</td>
<td>Rotary</td>
<td>Rotary</td>
<td>Rotary</td>
<td>Rotary</td>
</tr>
<tr>
<td><strong>Sound Pressure Level (dBA)</strong></td>
<td>Cooling/Heating</td>
<td>54/55</td>
<td>54/55</td>
<td>55/58</td>
<td>55/58</td>
</tr>
<tr>
<td><strong>Sound Power Level (dBA)</strong></td>
<td>Cooling/Heating</td>
<td>65/65</td>
<td>64/65</td>
<td>61/63</td>
<td>65/68</td>
</tr>
</tbody>
</table>


- Operating Temperature Range
  - Outdoor (Min – Max)
    - Cooling: -10°C to +46°C
    - Heating: -15°C to +24°C
  - Outdoor (Min – Max)
    - Cooling: -10°C to +46°C
    - Heating: -15°C to +24°C

- Operating Temperature Range
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    - Cooling: -10°C to +46°C
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- Operating Temperature Range
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    - Heating: -15°C to +24°C
Haier Brand Story
World's largest home appliance manufacturer

For 10 years, Haier has been the number one brand of major appliances in the world in volume sales.

Founded in 1984, 2019 marked our 35th year.

Over 80,000 employees across 30 countries.

Recently Purchased GE Appliances.

Distributed by Fisher & Paykel, a wholly owned Haier subsidiary.

The evolution of Haier Air Conditioning

**1985**
- Qingdao Qingkong Air Conditioner Factory formed
  - Introduced China’s 1st Split System AC

**1993**
- Qingdao Qingkong AC merged with Haier Group
  - Introduced China’s 1st Inverter AC

**1994**
- Haier gains ISO9001 Certificate
  - Haier acquires 1st export business to Italy

**1998**
- Introduced China’s 1st DC Inverter AC

**2000 - 2003**
- Energy Star Certification from EPA
  - Commenced exporting to Japan
  - DC Inverter with R410A technology

**2010**
- Introduced intelligent AC with additional functions for security management and monitoring

**2011 - 2012**
- Improved air quality features including models with formaldehyde elimination and PM2.5 elimination

**2013 - 2014**
- Launched Wi-Fi AC in China, Italy & South Asia
  - Maintaining 15% market share in America for WAC and top 5 ranking in Italy.

**2015 - 2016**
- Built the world’s most advanced intelligent factory
  - Launched full range of evaporator self-cleaning air conditioners in the industry

**2017-2018**
- Launched easy installation products – Flexis Series

* Haier is the number one brand of connected air conditioners (including smart air conditioner) in the world, with a market share of 30.9% by retail volume sales in 2018. Source: Euromonitor International Limited. Date issued: 26 February 2019.
Important notice of disclosure: Copyright © Fisher & Paykel Appliances Ltd 2020. All rights reserved. The product dimensions and specifications on this flyer apply to the specific products and models described at the date of issue. Under our policy of continuous product improvement, these dimensions and specifications may change at any time. You should therefore check with your dealer or Fisher & Paykel’s Customer Care Centre to ensure this flyer correctly describes the products currently available.

Manufacturer’s warranty information: You receive a 5 year Manufacturer’s Warranty with all Haier High-Wall Split System. Fisher & Paykel Appliances Ltd will repair (or at its option replace) any part which is found to be defective within five years from date of purchase, without cost to you for either parts or labour. Retention of your original proof of purchase is recommended. To make a claim under any Manufacturer’s Warranty, call Customer Care. Service under any Manufacturer’s Warranty must be provided by an authorised Fisher & Paykel Appliances Service provider. Use other than in accordance with the product’s user guide and other than for domestic use may invalidate any Manufacturer’s Warranty. This manufacturer’s Warranty is an extra benefit and does not affect your legal rights. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to a replacement or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. To view full terms and conditions, visit www.haier.com.au/warranty or www.haier.co.nz/warranty.

The warrantor is:
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Fisher & Paykel Appliances Ltd, 78 Springs Road, East Tamaki, Auckland 2013. Phone Customer Care: 0800 424 372. Email: customer.care@haier.co.nz.

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