HEATING AND COOLING SOLUTIONS

DUCTED SYSTEMS
At Daikin, we’re not just in the business of air conditioners. We’re in the business of human comfort. Our passion for designing and engineering smart technologies ensures your comfort levels are maximised.

Daikin’s recognised as an expert in air conditioning. As specialists, air conditioning is all we do. In fact, we’re the only company in the world to make both air conditioners and refrigerants which enables us to deliver air conditioning solutions that are world leading in performance, quality and reliability.

THE BEST AIR ANYWHERE

CONTENTS

DAIKIN DUCTED AIR  4
TRUSTED NAME  6
WHAT IS SEASONAL PERFORMANCE? 7
DAIKIN TECHNOLOGY  8
PREMIUM INVERTER INDUCTED  10
INVERTER DUCTED  12
FBA SLIM-LINE DUCTED  14
FDXS BULKHEAD SYSTEM  15
CONTROL YOUR DAIKIN  16
DAIKIN AIRBASE  18
WHY CHOOSE A DAIKIN DEALER?  20
PRODUCT SPECIFICATIONS  21
FEATURES CHECKLIST  30
FEATURES AND BENEFITS  31
A Daikin ducted system provides discreet air conditioned comfort throughout your entire home. It can be installed in a new home or tailored to suit an existing one, and once installed, only the controller, the return air and discharge grilles are visible inside your home.

A Daikin ducted air conditioner consists of an indoor and outdoor unit and flexible ducting. The indoor unit is concealed out of sight in your ceiling or under the floor, with flexible ducting distributing conditioned air through vents located throughout your home. An outdoor unit is positioned in a discreet location outside your home.

DAIKIN DUCTED AIR CONDITIONING AT A GLANCE

- Return air grille with filter to remove household dust
- Indoor unit concealed in the ceiling or under the floor
- Small diameter, concealed refrigerant pipes
- Outdoor unit
- Ducting distributes conditioned air throughout your home
- Up to eight zones can be managed from a single controller
DAIKIN DUCTED
MORE FOR YOUR MONEY

LOCAL AFTER SALES SERVICE AND SUPPORT
Daikin has an established Service Department including an in-house call centre, spare parts division and support centre for all technical enquiries.

DAIKIN EXCEEDS MEPS ENERGY EFFICIENCY REQUIREMENTS
In the interests of increasing the overall air conditioning efficiency, all ducted air conditioners with a cooling capacity of up to 65kW sold in Australia or New Zealand must now comply with the Minimum Energy Performance Standards (MEPS), as set out in Australian and New Zealand Standard 3823.2:2013.

All Daikin air conditioners exceed MEPS requirements, in line with Daikin’s commitment to providing energy efficient, quiet, simple to use and reliable air conditioning solutions.

AUSTRALIAN MADE CERTIFICATION
Through our commitment to expand our local manufacturing capability, Daikin Australia are proud to say that our ducted indoor units* are now Australian Made certified.

A registered certification trademark, the Australian Made logo is Australia’s most trusted, recognised and widely used country of origin symbol, and is underpinned by a third-party accreditation system, which ensures products that carry the logo are certified as ‘genuinely Australian’.

Registered products ensure premium-quality and has met the criteria set out in the Australian Consumer Law and Australian Made, Australian Grown (AMAG) logo Code of Practice.

*Premium Inverter and Inverter range

WHAT IS SEASONAL PERFORMANCE?
In simple terms, the seasonal performance of an air conditioner is defined by its Total Cooling Seasonal Performance Factor (TCSPF)/ Heating Seasonal Performance Factor (HSPF) rating which takes into consideration the local climate where the air conditioner is installed, and the seasonal temperature differences throughout the year.

Since the geography of Australia is large with varying climate conditions, the same product installed in Darwin will perform differently when installed in a capital city further south, such as Sydney or Melbourne.

As a result, the rating system divides the continent into three distinct climate zones (Hot, Average, and Cold), which allows you to easily identify and compare air conditioners within the climatic zone you live in.

The greater the TCSPF/HSPF rating, the more efficient the air conditioner will be.

EXAMPLE (SEASONAL PERFORMANCE – RESIDENTIAL)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ZONE</th>
<th>TCSPF</th>
<th>HSPF</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDYA160AV1</td>
<td>Hot</td>
<td>4.77</td>
<td>3.96</td>
</tr>
<tr>
<td>RZAS160CV1</td>
<td>Average</td>
<td>4.38</td>
<td>3.65</td>
</tr>
<tr>
<td></td>
<td>Cold</td>
<td>4.56</td>
<td>3.21</td>
</tr>
</tbody>
</table>

TCSPF/HSPF refers to the seasonal efficiency of an air conditioner as outlined in the GEMS 2019 Determination
TCSPF: Total Cooling Seasonal Performance Factor as per AS/NZS 3823.4.1:2014
HSPF: Heating Seasonal Performance Factor as per AS/NZS 3823.4.1:2014
1. INDOOR HEAT EXCHANGER
Our new indoor heat exchangers have been designed to deliver maximum capacity output in a compact casing size. Through the use of cutting edge technologies, our indoor heat exchangers utilise Ø5mm copper pipes to ensure heat is removed from your home efficiently.

2. DC FAN MOTOR
Daikin indoor units are equipped with a high efficiency DC fan motor. By utilising high power permanent magnets instead of the induced magnetism of conventional AC motors, Daikin's DC motor can deliver significantly higher motor efficiency.

3. SIROCCO FAN
Daikin's ducted units are fitted with light weight single injection moulded Sirocco Fans. These fans feature an aerodynamic fan blade design which reduces turbulence for a more efficient and quieter airflow delivery.

4. ENHANCED RELIABILITY
Designed for the harsh Australian summer. The indoor unit fail safe logic regulates the fan speed on start-up when roof temperatures are at an extreme for enhanced reliability.

5. INVERTER COMPRESSOR
Daikin’s swing and scroll DC sine wave inverter compressors are quieter and more efficient than conventional compressors, thanks to their high pressure dome construction and the usage of high pressure lubrication oil.

6. RELUCTANCE DC MOTOR
Daikin’s Reluctance DC motor utilises the magnetic torque of neodymium magnets in conjunction with reluctance torque, resulting in more energy efficient operation. These neodymium magnets are 10 times stronger than conventional ferrite magnets.

7. SAW EDGE FAN BLADE
The addition of a saw tooth edge at the rear of the blade smooths airflow over the blade surface, reducing turbulence which in turn results in a quieter, more efficient means of delivering comfort to your home.

8. REFRIGERANT COOLED PCB
The heat produced by the inverter PCB module is cooled by a sub heat exchanger*. This provides stable operation, enhanced reliability and continuous operation up to 50°CDB ambient.

For over 90 years, Daikin has invested heavily in Research and Development to deliver more effective climate control for you and your family. Daikin technologies help make Daikin air conditioners energy efficient, powerful, reliable and easy to use.
Engineered with the latest technology innovations including R32 refrigerant, our Premium Inverter series offers market leading energy performance, design flexibility and R22 retrofit capability^.

**SUPERIOR ENERGY PERFORMANCE**

Engineered with features such as a redesigned Cross-Pass Heat Exchanger on the outdoor unit, DC Fan motor on the indoor unit and Daikin’s patented swing compressor, our new Premium Inverter series takes energy efficiency to the next level.

**NIGHT QUIET MODE**

Our outdoor units are amongst the quietest on the market. If the noise levels need to be further reduced, engaging the Night Quiet Mode feature will reduce the noise levels by 4dBA**.

**R32 REFRIGERANT**

R32 is the next generation in refrigerants with a substantially lower ‘Global Warming Potential Factor’ than R410A, providing less risk of harm to the environment*.

**AUTOMATIC AIRFLOW ADJUSTMENT**

Utilising the DC fan technology on our indoor unit, the Automatic Airflow Adjustment feature ensures the indoor fan operates at the appropriate settings to automatically deliver the optimum airflow to your home always.

**DESIGN FLEXIBILITY**

The side discharge configuration of the outdoor unit enables convenient installation onto the narrow side access of modern homes. Additionally, the indoor unit can also be separated into 2 sections for easy installation and retrofit into existing homes.

**AUSTRALIAN MADE**

Premium Inverter Ducted indoor units are specifically designed and manufactured in Sydney, NSW to perform in Australian conditions.

**INCREASED OPERATION LIMITS**

Built for the harsh Australian climate, the refrigerant cooled PCB technology incorporated in the outdoor unit enables continuous operations up to 50°CDB ambient.

**HEATING FOCUS OPTION**

Heating Focus models are available in 180, 200 & 250 Class. These models provide improved heating performance at low ambient temperatures, ideal for cold climate zones such as Canberra, Hobart & Melbourne. These models are not R22 retrofit capable.
Engineered to deliver a compact and efficient design, the new Inverter series is ideal for installation into the tight roof space of any modern home and now also features R22 retrofit capability^.

**INVERTER DUCTED**

**IMPROVED ENERGY PERFORMANCE**

Adopting advanced technologies such as a DC Fan motor, Cross-Pass Heat Exchanger on the outdoor unit with increased heat exchange area and Daikin’s patented swing compressor our new Inverter series is designed to operate with improved efficiencies throughout the year.

**EXPANDED 3 PHASE RANGE**

Designed for homes with a 3 phase power supply in place, our new R32 Inverter series ensures a simple and convenient installation without the need to worry about unbalanced electrical loads at your electrical distribution board.

**NIGHT QUIET MODE**

Our outdoor units are amongst the quietest in the market. If the noise levels need to be further reduced, engaging the Night Quiet Mode feature will reduce the noise levels by 4dBA*.

**AUTOMATIC AIRFLOW ADJUSTMENT**

Utilising the DC fan technology on our indoor unit, the Automatic Airflow Adjustment feature ensures the indoor fan operates at the appropriate settings to automatically deliver the optimum airflow to your home always.

**SPACE SAVING OUTDOOR UNIT**

The Inverter series outdoor units are more compact than ever before. Models up to 200 Class are now encased in a space saving side discharge outdoor unit, allowing you to place the unit on the side access of your home and not compromise the external appearance of your home.

**COMPACT INDOOR UNIT**

Today’s modern home designs are maximising living spaces with higher ceilings causing roof spaces to shrink. Our Inverter series feature compact indoor units with a low profile height of ≤360mm allowing them to fit comfortably into the tight roof space of a modern home.

**AUSTRALIAN MADE**

Inverter Ducted indoor units are specifically designed and manufactured in Sydney, NSW to perform in Australian conditions.

**THE AIRBASE SMARTPHONE INTERFACE**

The Airbase Smartphone Interface is an optional accessory that allows you to control your Daikin Ducted System from anywhere, anytime.

---

*Outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.

*Only applicable to 50-160 Class, strict guidelines apply for R22 Retrofit Capability, please speak to your installer for further information.

Note: R32 ducted indoor units must be installed in the ceiling space, it is not to be installed under floor.
R32 REFRIGERANT

R32 is the next generation in refrigerants with a substantially lower ‘Global Warming Potential Factor’ than R410A, providing less risk of harm to the environment.

SUPERIOR DESIGN

With an industry leading compact size (245mm height), DC Fan on the indoor unit with an ESP of 150Pa and a built-in condensate pump with a lift of up to 850mm, the new and improved FBA unit is ideal for applications with tight ceiling spaces. The 75m (100 Class) pipe run also enables greater flexibility in the placement of the outdoor unit.

AUTOMATIC AIRFLOW ADJUSTMENT

Commissioning has never been easier. Automatic Airflow Adjustment feature allows the fan speed to adjust automatically to suit your duct design during commissioning, simplifying the process and saving time.

COMPACT AND LIGHTWEIGHT

The compact form factor and light weight of the FDXS Series makes it suitable for a variety of applications with limited installation space while also being easy to handle during installation.

QUIET OPERATION

The FDXS Series is truly discrete with whisper quiet operations (35dBA on the FDXS 25 Class) to ensure limited impact to internal room acoustics.

FBA SLIMLINE DUCTED

The new and improved FBA series has been designed to meet the construction challenges of modern commercial and medium density apartment development.

R32 REFRIGERANT

R32 is the next generation in refrigerants with a substantially lower ‘Global Warming Potential Factor’ than R410A, providing less risk of harm to the environment.

SUPERIOR DESIGN

With an industry leading compact size (245mm height), DC Fan on the indoor unit with an ESP of 150Pa and a built-in condensate pump with a lift of up to 850mm, the new and improved FBA unit is ideal for applications with tight ceiling spaces. The 75m (100 Class) pipe run also enables greater flexibility in the placement of the outdoor unit.

AUTOMATIC AIRFLOW ADJUSTMENT

Commissioning has never been easier. Automatic Airflow Adjustment feature allows the fan speed to adjust automatically to suit your duct design during commissioning, simplifying the process and saving time.

COMPACT AND LIGHTWEIGHT

The compact form factor and light weight of the FDXS Series makes it suitable for a variety of applications with limited installation space while also being easy to handle during installation.

QUIET OPERATION

The FDXS Series is truly discrete with whisper quiet operations (35dBA on the FDXS 25 Class) to ensure limited impact to internal room acoustics.

FDXS BULKHEAD SYSTEM

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

EFFICIENT & DISCREET

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

COMPACT AND LIGHTWEIGHT

The compact form factor and light weight of the FDXS Series makes it suitable for a variety of applications with limited installation space while also being easy to handle during installation.

QUIET OPERATION

The FDXS Series is truly discrete with whisper quiet operations (35dBA on the FDXS 25 Class) to ensure limited impact to internal room acoustics.

FDXS BULKHEAD SYSTEM

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

EFFICIENT & DISCREET

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

COMPACT AND LIGHTWEIGHT

The compact form factor and light weight of the FDXS Series makes it suitable for a variety of applications with limited installation space while also being easy to handle during installation.

QUIET OPERATION

The FDXS Series is truly discrete with whisper quiet operations (35dBA on the FDXS 25 Class) to ensure limited impact to internal room acoustics.

FDXS BULKHEAD SYSTEM

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

EFFICIENT & DISCREET

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

COMPACT AND LIGHTWEIGHT

The compact form factor and light weight of the FDXS Series makes it suitable for a variety of applications with limited installation space while also being easy to handle during installation.

QUIET OPERATION

The FDXS Series is truly discrete with whisper quiet operations (35dBA on the FDXS 25 Class) to ensure limited impact to internal room acoustics.

FDXS BULKHEAD SYSTEM

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

EFFICIENT & DISCREET

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

COMPACT AND LIGHTWEIGHT

The compact form factor and light weight of the FDXS Series makes it suitable for a variety of applications with limited installation space while also being easy to handle during installation.

QUIET OPERATION

The FDXS Series is truly discrete with whisper quiet operations (35dBA on the FDXS 25 Class) to ensure limited impact to internal room acoustics.

FDXS BULKHEAD SYSTEM

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

EFFICIENT & DISCREET

The FDXS Bulkhead range is the ideal choice for air conditioning areas where a discreet installation is preferred.

The indoor unit fits flush into the ceiling with only the suction air and discharge grilles visible inside your home and leaving maximum floor and wall space for furniture, decoration and fittings.

COMPACT AND LIGHTWEIGHT

The compact form factor and light weight of the FDXS Series makes it suitable for a variety of applications with limited installation space while also being easy to handle during installation.

QUIET OPERATION

The FDXS Series is truly discrete with whisper quiet operations (35dBA on the FDXS 25 Class) to ensure limited impact to internal room acoustics.
At Daikin, we have a range of controllers available to control your ducted air conditioning system to suit your lifestyle needs.

**ZONE CONTROLLER (On/Off Control Only)**

**FEATURES**

1. Backlit display with easy-to-read text.
2. Three different timer and time clock operations for precise, programmable control for your home.
3. Countdown On-Off timer, programmable in 1 hour increments for up to 12 hours.
4. A simple 7-day Time Clock, to program the controller to turn the system on or off at set times any day of the week. Two different on and off programs can be set for each day of the week.
5. An advanced 7-day Time Clock extends the functionality of the Simple 7-day Time Clock with advanced features such as Zone Control and Temperature Sensor Selection, for the ultimate in-home comfort.
6. Airside Control when connected with Premium Inverter (71-250 Class) & Inverter (50-160 Class) Ducted models.

**NOTES:**

1. Nav Ease & Zone Controller is only compatible with FDYA(N) & FBA models. FDXS models come standard with a wireless remote controller.
2. Airside Control function regulates the fan RPM between 60% to 100% of the indoor unit’s rated airflow.
3. Airbase is not compatible with Slave Zone Controller.

**WHAT IS AIRSIDE CONTROL?**

Daikin’s Airside Control feature delivers conditioned air to your nominated zones more efficiently than ever before. With the typical home divided into separate areas or 'zones', it makes sense to only air-condition zones that are occupied and to switch unoccupied zones off.

Airside Control takes this one step further, as zones are turned off, the indoor unit fan reduces speed automatically to meet the airflow requirement of the remaining open zones. This action results in comfort where required, quieter operation and greater energy savings.

This feature is only available on Premium Inverter (71-250 Class) and Inverter (50-160 Class) Ducted paired with the Zone Controller.

**NAV EASE CONTROLLER**

**FEATURES**

1. Clear, backlit display with easy-to-read text.
2. Weekly schedule timer, to program on and off times.
3. Home Leave function can turn your air conditioner on automatically when room temperatures drop below 10°C.
4. Quick Cool / Heat mode, which temporarily increases air conditioning power to more rapidly reach your desired operating temperature, before automatically returning to normal operation.
5. Set Temperature Mode Changeover, automatically switches from a cooling to heating cycle, or a heating to cooling cycle at pre-set points.
6. Temperature Limit, to predefine a temperature range for cooling or heating cycles, helping you reduce your energy consumption.

**NAV EASE MODEL NO: BRC1E63**

**SPECIFICATION**

- HxWxD (mm): 120x170x24
- Screen (Diagonal): 3.17"
1. DIRECT CONNECTION
For locations without a Wi-Fi network, the app can wirelessly connect directly to a WLAN adaptor equipped air conditioner, when in range.

2. WI-FI CONNECTION
A WLAN adaptor equipped air conditioner can easily be joined to a local Wi-Fi network. Once connected, the system can be controlled from any networked Android or iOS device.

3. INTERNET CONNECTION
Monitor and control your system from virtually anywhere, adjusting temperature and setting for a comfortable environment ready for when you arrive home. With no subscription costs from Daikin, all you need is a permanent internet connection for your Wi-Fi network, and an internet connection for your phone or tablet.

DAIKIN AIRBASE

CONTROL AT YOUR FINGERTIPS
Daikin Airbase puts your ducted system’s frequently used functions at your fingertip with an easy to use app.

In conjunction with Daikin’s BRP15B61 wireless LAN adaptor, the Airbase app lets you use your smartphone or tablet* to operate your air conditioning unit via your in-home Wi-Fi or remotely with an internet connection.

Up to 10 systems** can be conveniently monitored and controlled on the app anywhere, anytime.

FEATURES

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>DUCTED WITH NAV EASE</th>
<th>DUCTED WITH ON/OFF ZONE CONTROLLER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start/Stop Operation</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Temperature Setting</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Fan Speed Settings</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Mode Selection (Cool/Heat/Fan/Dry)</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Zone On/Off</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>24 Hour On/Off Timer</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Enter Zone Names</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Error Notification</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Room Temperature Display</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Filter Clean Reminder</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Push Notification (On/Off Alerts)</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Automatic Adaptor Firmware Update</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Setup Wizard In App</td>
<td>✓</td>
<td>✗</td>
</tr>
</tbody>
</table>

THREE WAYS TO CONNECT

1. DIRECT CONNECTION
For locations without a Wi-Fi network, the app can wirelessly connect directly to a WLAN adaptor equipped air conditioner, when in range.

2. WI-FI CONNECTION
A WLAN adaptor equipped air conditioner can easily be joined to a local Wi-Fi network. Once connected, the system can be controlled from any networked Android or iOS device.

3. INTERNET CONNECTION
Monitor and control your system from virtually anywhere, adjusting temperature and setting for a comfortable environment ready for when you arrive home. With no subscription costs from Daikin, all you need is a permanent internet connection for your Wi-Fi network, and an internet connection for your phone or tablet.

*Only compatible with Android (≥ 5.0) & iOS (≥ 8.0) devices
**Each ducted system requires a BRP15B61 adaptor & must be connected on the same Wi-Fi network
WHY CHOOSE A DAIKIN SPECIALIST DEALER?

Like us, our Dealers are specialists. They know the ups and downs, ins and outs of air conditioning. So their expertise ensures you get the right advice for your needs.

Daikin Specialist Dealers provide custom designed solutions for your home through an in-home quotation. Dealers will not only supply and install the best possible air conditioning solution but will also provide ongoing maintenance to ensure peak efficient performance over the life of the system.

To take the stress out of air conditioning your home, speak to a Daikin Specialist Dealer. With over 450 Specialist Dealers across Australia, our specialists are ready to help you fit the right air conditioning solution for your home.

All appointed Daikin specialist dealers are independently owned and operated businesses.

5 YEAR WARRANTY
iv. R32 ducted indoor units must be installed in the ceiling space, it is not to be installed under floor

iii. TCSPF: Total Cooling Seasonal Performance Factor & HSPF: Heating Seasonal Performance Factor as defined under GEMS 2019 Determination

ii. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions

Heating: Indoor temp: 20°CDB/15°CWB, Outdoor temp: 7°CDB/6°CWB

Cooling: Indoor temp: 27°CDB/19°CWB, Outdoor temp: 35°CDB/24°CWB

i. The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823.1.2

Notes:

Outdoor Sound Level (H) @ 1m Pressure dBA (C/H) 48/50 52/53 51/53 52/54 54/56 56/58

EPA Sound Power Level dBA 67 71 80 74 76 78

Indoor Fan Speeds H/M/L

Piping Length m 150 165

Indoor Fan Speeds H/M/L

Dimensions (HxWxD)

Outdoor (kg) 192 192 203 185 185 200

Indoor (kg) 70 79 85 70 79 85

Indoor (mm) 470x1200x997 470x1400x997 470x1200x997 470x1400x997

Drain (mm) BSP 3/4 inch Internal Thread BSP 3/4 inch Internal Thread

Gas (mm) 19.1 (Brazed) 22.2 (Brazed) 19.1 (Brazed) 22.2 (Brazed)

Liquid (mm) 9.5 (Brazed)

Notes:

2. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions

5. EER/C.O.P: Energy Efficiency Ratio/Coefficient of Performance

6. TCSPF: Total Cooling Seasonal Performance Factor & HSPF: Heating Seasonal Performance Factor as defined under GEMS 2019 Determination

7. R32: Dried outdoor units must be installed in the ceiling space. It is not to be installed under floor

Notes:

1. The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823.1.2

2. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions

3. TCSPF: Total Cooling Seasonal Performance Factor & HSPF: Heating Seasonal Performance Factor as defined under GEMS 2019 Determination

4. R32 ducted indoor units must be installed in the ceiling space. It is not to be installed under floor
### Inverter - Single Phase

#### OUTDOOR UNIT

<table>
<thead>
<tr>
<th>Product Code</th>
<th>FDYAN50A</th>
<th>FDYAN71A</th>
<th>FDYAN100A</th>
<th>FDYAN125A</th>
<th>FDYAN140A</th>
<th>FDYAN160A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (Cool) kW</td>
<td>5.0</td>
<td>6.0</td>
<td>7.1</td>
<td>8.5</td>
<td>10.0</td>
<td>12.5</td>
</tr>
<tr>
<td>Rated Capacity (Heat) kW</td>
<td>6.6</td>
<td>8.0</td>
<td>9.5</td>
<td>10.8</td>
<td>13.1</td>
<td>16.0</td>
</tr>
<tr>
<td>Capacity Range</td>
<td>3.2-10.0</td>
<td>3.2-11.2</td>
<td>3.2-14.0</td>
<td>4.1-16.0</td>
<td>5.1-18.0</td>
<td>7.3-21.0</td>
</tr>
<tr>
<td>Power Input (Rated) kW</td>
<td>1.62</td>
<td>1.95</td>
<td>1.90</td>
<td>2.30</td>
<td>2.85</td>
<td>4.00</td>
</tr>
<tr>
<td>Outdoor Sound Level (Outdoor) dBA (1m)</td>
<td>53</td>
<td>54</td>
<td>56</td>
<td>59</td>
<td>63</td>
<td>67</td>
</tr>
<tr>
<td>Energy Efficiency HSPF (Residential)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor Fan Speeds</td>
<td>H/M/L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor (kg)</td>
<td>37</td>
<td>37</td>
<td>40</td>
<td>40</td>
<td>45</td>
<td>55</td>
</tr>
<tr>
<td>Outdoor (mm)</td>
<td>990x940x320</td>
<td>1430x930x765</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor Type</td>
<td>Hermetically Sealed Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### INDOOR UNIT

<table>
<thead>
<tr>
<th>Product Code</th>
<th>FDYAN50A</th>
<th>FDYAN71A</th>
<th>FDYAN100A</th>
<th>FDYAN125A</th>
<th>FDYAN140A</th>
<th>FDYAN160A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (Cool) kW</td>
<td>5.0</td>
<td>6.0</td>
<td>7.1</td>
<td>8.5</td>
<td>10.0</td>
<td>12.5</td>
</tr>
<tr>
<td>Rated Capacity (Heat) kW</td>
<td>6.6</td>
<td>8.0</td>
<td>9.5</td>
<td>10.8</td>
<td>13.1</td>
<td>16.0</td>
</tr>
<tr>
<td>Capacity Range</td>
<td>3.2-10.0</td>
<td>3.2-11.2</td>
<td>3.2-14.0</td>
<td>4.1-16.0</td>
<td>5.1-18.0</td>
<td>7.3-21.0</td>
</tr>
<tr>
<td>Power Input (Rated) kW</td>
<td>1.62</td>
<td>1.95</td>
<td>1.90</td>
<td>2.30</td>
<td>2.85</td>
<td>4.00</td>
</tr>
<tr>
<td>Outdoor Sound Level (Outdoor) dBA (1m)</td>
<td>53</td>
<td>54</td>
<td>56</td>
<td>59</td>
<td>63</td>
<td>67</td>
</tr>
<tr>
<td>Energy Efficiency HSPF (Residential)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor Fan Speeds</td>
<td>H/M/L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor (kg)</td>
<td>37</td>
<td>37</td>
<td>40</td>
<td>40</td>
<td>45</td>
<td>55</td>
</tr>
<tr>
<td>Outdoor (mm)</td>
<td>990x940x320</td>
<td>1430x930x765</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor Type</td>
<td>Hermetically Sealed Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Inverter - Three Phase

#### OUTDOOR UNIT

<table>
<thead>
<tr>
<th>Product Code</th>
<th>FDYAN100C</th>
<th>FDYAN110C</th>
<th>FDYAN200LC</th>
<th>FDYAN250LB</th>
<th>RZA71C</th>
<th>RZA100C</th>
<th>RZA125C</th>
<th>RZA140C</th>
<th>RZQ250L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (Cool) kW</td>
<td>7.1</td>
<td>8.5</td>
<td>10.0</td>
<td>12.5</td>
<td>15.0</td>
<td>16.0</td>
<td>18.0</td>
<td>20.0</td>
<td>22.5</td>
</tr>
<tr>
<td>Rated Capacity (Heat) kW</td>
<td>7.6</td>
<td>9.9</td>
<td>12.5</td>
<td>15.0</td>
<td>16.5</td>
<td>18.0</td>
<td>20.0</td>
<td>22.4</td>
<td>26.0</td>
</tr>
<tr>
<td>Capacity Range</td>
<td>5.0-14.0</td>
<td>5.0-14.0</td>
<td>5.0-16.0</td>
<td>6.3-16.3</td>
<td>5.0-18.0</td>
<td>7.5-23.5</td>
<td>10.5-23.5</td>
<td>13.5-23.5</td>
<td>16.5-23.5</td>
</tr>
<tr>
<td>Power Input (Rated) kW</td>
<td>2.0</td>
<td>2.5</td>
<td>3.1</td>
<td>3.94</td>
<td>4.00</td>
<td>4.90</td>
<td>6.27</td>
<td>8.77</td>
<td>9.52</td>
</tr>
<tr>
<td>Outdoor Sound Level (Outdoor) dBA (1m)</td>
<td>58</td>
<td>59</td>
<td>59</td>
<td>63</td>
<td>63</td>
<td>67</td>
<td>70</td>
<td>74</td>
<td>79</td>
</tr>
<tr>
<td>Energy Efficiency HSPF (Residential)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor Fan Speeds</td>
<td>H/M/L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor (kg)</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>45</td>
<td>55</td>
<td>56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor (mm)</td>
<td>990x940x320</td>
<td>1430x930x765</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor Type</td>
<td>Hermetically Sealed Scroll Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### INDOOR UNIT

<table>
<thead>
<tr>
<th>Product Code</th>
<th>FDYAN100C</th>
<th>FDYAN110C</th>
<th>FDYAN200LC</th>
<th>FDYAN250LB</th>
<th>RZA71C</th>
<th>RZA100C</th>
<th>RZA125C</th>
<th>RZA140C</th>
<th>RZQ250L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (Cool) kW</td>
<td>7.1</td>
<td>8.5</td>
<td>10.0</td>
<td>12.5</td>
<td>15.0</td>
<td>16.0</td>
<td>18.0</td>
<td>20.0</td>
<td>22.5</td>
</tr>
<tr>
<td>Rated Capacity (Heat) kW</td>
<td>7.6</td>
<td>9.9</td>
<td>12.5</td>
<td>15.0</td>
<td>16.5</td>
<td>18.0</td>
<td>20.0</td>
<td>22.4</td>
<td>26.0</td>
</tr>
<tr>
<td>Capacity Range</td>
<td>5.0-14.0</td>
<td>5.0-14.0</td>
<td>5.0-16.0</td>
<td>6.3-16.3</td>
<td>5.0-18.0</td>
<td>7.5-23.5</td>
<td>10.5-23.5</td>
<td>13.5-23.5</td>
<td>16.5-23.5</td>
</tr>
<tr>
<td>Power Input (Rated) kW</td>
<td>2.0</td>
<td>2.5</td>
<td>3.1</td>
<td>3.94</td>
<td>4.00</td>
<td>4.90</td>
<td>6.27</td>
<td>8.77</td>
<td>9.52</td>
</tr>
<tr>
<td>Outdoor Sound Level (Outdoor) dBA (1m)</td>
<td>58</td>
<td>59</td>
<td>59</td>
<td>63</td>
<td>63</td>
<td>67</td>
<td>70</td>
<td>74</td>
<td>79</td>
</tr>
<tr>
<td>Energy Efficiency HSPF (Residential)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor Fan Speeds</td>
<td>H/M/L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor (kg)</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>45</td>
<td>55</td>
<td>56</td>
<td>70</td>
<td>74</td>
<td>79</td>
</tr>
<tr>
<td>Outdoor (mm)</td>
<td>990x940x320</td>
<td>1430x930x765</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor Type</td>
<td>Hermetically Sealed Scroll Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823.1.2
2. Cooling: Indoor temp: 27°CDB/19°CWB, Outdoor temp: 35°CDB/24°CWB
3. Heating: Indoor temp: 20°CDB/15°CWB, Outdoor temp: 7°CDB/6°CWB
4. TCSPF: Total Cooling Seasonal Performance Factor & HSPF: Heating Seasonal Performance Factor as defined under GEMS 2019 Determination
5. EPA Sound Power Level - Sampling Distance 1m
6. EER/COP/COP (C/H) = EER/COP/COP (H/C)
7. HSPF (Residential): 3.5 to 6.8
8. Heat & Cool: 1 to 50 dB
9. Cool (kW): 2.00 to 4.20
10. Heat (kW): 1.00 to 5.60
11. Cool (°CDB): 15 to 60
13. Drill (mm): 1/2" OC
14. Pressure (kPa): 700 / 1,000 / 1,400 / 1,800
15. Piping Length: 50m

### SPECIFICATION

**PRODUCT**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>FDYAN50A</th>
<th>FDYAN71A</th>
<th>RZA100C</th>
<th>RZA125C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (mm) Flange)</td>
<td>250x260</td>
<td>300x320</td>
<td>300x320</td>
<td>300x320</td>
</tr>
<tr>
<td>Power Supply V/Hz 1 Phase, 220-240V, 50Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>45</td>
<td>55</td>
<td>56</td>
<td>70</td>
</tr>
<tr>
<td>Drain (mm) 25/32 BSP 3/4&quot; Internal Thread</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor Type</td>
<td>Hermetically Sealed Type</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SPECIFICATION

**PRODUCT**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>FDYAN50A</th>
<th>FDYAN71A</th>
<th>RZA100C</th>
<th>RZA125C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (mm) Flange)</td>
<td>250x260</td>
<td>300x320</td>
<td>300x320</td>
<td>300x320</td>
</tr>
<tr>
<td>Power Supply V/Hz 1 Phase, 220-240V, 50Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>45</td>
<td>55</td>
<td>56</td>
<td>70</td>
</tr>
<tr>
<td>Drain (mm) 25/32 BSP 3/4&quot; Internal Thread</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressor Type</td>
<td>Hermetically Sealed Type</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### PRODUCT SPECIFICATION

#### FBA - Single Phase

<table>
<thead>
<tr>
<th>SERIES</th>
<th>INDOOR UNIT</th>
<th>PREMIUM INVERTER</th>
<th>INVERTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FBA85B/VMA</td>
<td>FBA100B/VMA</td>
<td>FBA125B/VMA</td>
</tr>
<tr>
<td>Rated Capacity</td>
<td>Cool (kW) 7.1</td>
<td>6.0</td>
<td>8.5</td>
</tr>
<tr>
<td>Capacity Range</td>
<td>Heat (kW) 6.0</td>
<td>11.2</td>
<td>14.0</td>
</tr>
<tr>
<td>Power Input (Rated)</td>
<td>1.37</td>
<td>1.96</td>
<td>2.72</td>
</tr>
<tr>
<td>Indoor Sound</td>
<td>Level (dBA) 35</td>
<td>35</td>
<td>38</td>
</tr>
<tr>
<td>Piping Length</td>
<td>m 50</td>
<td>75</td>
<td>75</td>
</tr>
</tbody>
</table>

#### FBA - Three Phase

<table>
<thead>
<tr>
<th>SERIES</th>
<th>INDOOR UNIT</th>
<th>PREMIUM INVERTER</th>
<th>INVERTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FBA85B/VMA</td>
<td>FBA100B/VMA</td>
<td>FBA125B/VMA</td>
</tr>
<tr>
<td>Rated Capacity</td>
<td>Cool (kW) 7.1</td>
<td>6.0</td>
<td>8.5</td>
</tr>
<tr>
<td>Capacity Range</td>
<td>Heat (kW) 6.0</td>
<td>11.2</td>
<td>14.0</td>
</tr>
<tr>
<td>Power Input (Rated)</td>
<td>1.37</td>
<td>1.96</td>
<td>2.72</td>
</tr>
<tr>
<td>Indoor Sound</td>
<td>Level (dBA) 35</td>
<td>35</td>
<td>38</td>
</tr>
<tr>
<td>Piping Length</td>
<td>m 50</td>
<td>75</td>
<td>75</td>
</tr>
</tbody>
</table>

Notes:
1. The Rated Capacity, Power Input and Heating Current are measured in accordance with AS/NZS 3823.1.2
2. Cooling Indoor temp: 27°C/19°CDB, Outdoor temp: 35°C/24°CWB
3. Heating Indoor temp: 27°C/19°CDB, Outdoor temp: 35°C/24°CWB
4. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
5. R32 ducted indoor units must be installed in the ceiling space, it is not to be installed under floor

---

## Cooling and Heating Performance

### Cooling
- Indoor temp: 27°CDB/19°CWB
- Outdoor temp: 35°CDB/24°CWB

### Heating
- Indoor temp: 20°CDB/15°CWB
- Outdoor temp: 7°CDB/6°CWB

### Indoor and Outdoor Sound Levels

#### Indoor Units
- Sound levels determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions

#### Outdoor Units
- Sound levels determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions

---

## Specifications

### Indoor Units
- Temperature Range:
  - Cooling: -5°C to 50°C
  - Heating: -15°C to 70°C

### Outdoor Units
- Temperature Range:
  - Cooling: -5°C to 50°C
  - Heating: -15°C to 70°C

---

## Features

### Compressor Type
- Hermetically Sealed Swing Type

### Refrigerant
- R32

### Pipe Sizes
- Liquid (mm) 6.4 (Flared)
- Gas (mm) 12.7 (Flared)

### Rating (kW)
- Indoor: 5.0, 6.0, 8.0, 12.5, 14.0
- Outdoor: 7.1, 8.5, 11.2, 14.0, 16.0

---

## Dimensions

<table>
<thead>
<tr>
<th>Indoor (mm)</th>
<th>245x1000x800</th>
<th>245x1400x800</th>
<th>245x1000x800</th>
<th>245x1400x800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoor (mm)</td>
<td>595x845x300</td>
<td>1430x940x320</td>
<td>595x845x300</td>
<td>990x940x320</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>Indoor (kg)</th>
<th>1.5, 2.0, 3.0</th>
</tr>
</thead>
</table>

---

## Power Supply

- Single Phase: 220-240V, 50Hz
- Three Phase: 380-415V, 50Hz

---

## Compliance

- Compliance with AS/NZS 3823.1.2
- Compliant with Ozone friendly refrigerant R32
# Product Specification

## FDXS - Single Phase

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>FDXS25LVMA</th>
<th>FDXS35LVMA</th>
<th>FDXS50LVMA</th>
<th>FDXS60LVMA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rated Capacity</strong></td>
<td>Cool (kW) 2.4</td>
<td>3.4</td>
<td>5.0</td>
<td>6.0</td>
</tr>
<tr>
<td></td>
<td>Heat (kW) 3.2</td>
<td>4.6</td>
<td>5.8</td>
<td>7.0</td>
</tr>
<tr>
<td><strong>Capacity Range</strong></td>
<td>Cool (kW) 1.3-3.0</td>
<td>1.4-3.8</td>
<td>2.3-5.3</td>
<td>3.0-6.5</td>
</tr>
<tr>
<td></td>
<td>Heat (kW) 1.3-4.5</td>
<td>1.4-5.0</td>
<td>2.3-6.0</td>
<td>3.0-8.0</td>
</tr>
<tr>
<td><strong>Power Input (Rated)</strong></td>
<td>Cool (kW) 0.89</td>
<td>1.03</td>
<td>1.5</td>
<td>1.91</td>
</tr>
<tr>
<td></td>
<td>Heat (kW) 0.91</td>
<td>1.14</td>
<td>1.72</td>
<td>2.17</td>
</tr>
<tr>
<td><strong>E.E.R/C.O.P</strong></td>
<td>C/H 3.48/3.52</td>
<td>3.30/3.51</td>
<td>3.33/3.37</td>
<td>3.14/3.20</td>
</tr>
<tr>
<td><strong>Airflow Rate (Nominal)</strong></td>
<td>l/s 158</td>
<td>200</td>
<td>267</td>
<td>267</td>
</tr>
<tr>
<td><strong>Indoor Sound Level</strong></td>
<td>dB(A) 35</td>
<td>37</td>
<td>38</td>
<td>38</td>
</tr>
<tr>
<td><strong>Piping Length</strong></td>
<td>m 20</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Indoor Fan Speeds</strong></td>
<td>5 Steps, Quiet and Automatic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions (HxWxD)</strong></td>
<td>Indoor (mm) 200x900x620</td>
<td>200x1100x620</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Outdoor (mm) 550x765x285</td>
<td>770x900x320</td>
<td>990x940x320</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Indoor (kg) 25</td>
<td>27</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Outdoor (kg) 34</td>
<td>34</td>
<td>71</td>
<td>80</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>V/Hz 1 Phase 220-240V, 50Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Compressor Type</strong></td>
<td>Hermetically Sealed Swing Type</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Refrigerant</strong></td>
<td>R410A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pipe Sizes</strong></td>
<td>Liquid (mm) 6.4 (Flared)</td>
<td>8.5 (Flared)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gas (mm) 8.5 (Flared)</td>
<td>11.5 (Flared)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drain (mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Indoor (mm)</td>
<td>1D 28</td>
<td>1D 28</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Outdoor (mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Supply Air Opening</strong></td>
<td>mm (HxW, Range) 153x860</td>
<td>153x1060</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Return Air Opening</strong></td>
<td>mm (HxW, Range) 160x780</td>
<td>160x980</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Outdoor Operating Range</strong></td>
<td>Indoor (DB)</td>
<td>10 to 46</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Outdoor (DB)</td>
<td>-15 to 18</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EPA Sound Power Level</strong></td>
<td>dB(A) 62</td>
<td>63</td>
<td>65</td>
<td>68</td>
</tr>
<tr>
<td><strong>Outdoor Sound Level</strong></td>
<td>lpa 47/48</td>
<td>49/40</td>
<td>58/51</td>
<td>52/54</td>
</tr>
</tbody>
</table>

**Notes:**
1. The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823:2.1.2.
2. Cooling: Indoor temp: 27°CDB/19°CWB, Outdoor temp: 35°CDB/24°CWB.
3. Heating: Indoor temp: 20°CDB/15°CWB, Outdoor temp: 7°CDB/6°CWB.
4. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.
**Features Checklist**

<table>
<thead>
<tr>
<th>PREMIUM INVERTER (71-160 CLASS)</th>
<th>PREMIUM INVERTER (180-250 CLASS)</th>
<th>SLIM-LINE</th>
<th>BULKHEAD</th>
<th>INVERTER (160-300 CLASS)</th>
<th>INVERTER (180-300 CLASS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYA17AIV1</td>
<td>FYA140AV1</td>
<td>FRA9AVHMA</td>
<td>FYA140AV1</td>
<td>FYA160AV1</td>
<td>FYA160AV1</td>
</tr>
<tr>
<td>FYA140AV1</td>
<td>FYA125AV1</td>
<td>FRA9AVHMA</td>
<td>FYA125AV1</td>
<td>FYA125AV1</td>
<td>FYA125AV1</td>
</tr>
<tr>
<td>FYA100AV1</td>
<td>FYA100AV1</td>
<td>FRA8AVHMA</td>
<td>FYA100AV1</td>
<td>FYA100AV1</td>
<td>FYA100AV1</td>
</tr>
<tr>
<td>FYA85AV1</td>
<td>FYA85AV1</td>
<td>FRA8AVHMA</td>
<td>FYA85AV1</td>
<td>FYA85AV1</td>
<td>FYA85AV1</td>
</tr>
<tr>
<td>FYA71AV1</td>
<td>FYA71AV1</td>
<td>FRA6AVHMA</td>
<td>FYA6AVHMA</td>
<td>FYA6AVHMA</td>
<td>FYA6AVHMA</td>
</tr>
</tbody>
</table>

**Inverter Operation**
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓

**DC Indoor Fan Motor**
- ✓

**Sweep Compressor**
- ✓

**Scroll Compressor**
- ✓

**High Efficiency Indoor Heat Exchanger Coil**
- ✓

**Automatic Mode Changeover**
- ✓

**PMV Control**
- ✓

**Temperature Limit Operations**
- ✓

**Home Leave**
- ✓

**Auto Restart After Power Failure**
- ✓

**Self Diagnostics**
- ✓

**Anti Corrosion Coating for Outdoor Heat Exchanger**
- ✓

**Indoor Unit Designed and Built in Australia**
- ✓

**Long Piping Length**
- ✓

**High Strength Galvanised Steel Casing**
- ✓

**Night Quiet Mode**
- ✓

**Low Noise Operation**
- ✓

**Program Dry Mode**
- ✓

**Intelligent Defrost**
- ✓

**Hot Start**
- ✓

**Quick Cool / Heat — Powerful Mode**
- ✓

**Automatic Fan Speed**
- ✓

**Automatic Airflow Adjustment**
- ✓

**Indoor Fan Cycles with Compressor**
- ✓

**24 Hour On/Off Timer**
- ✓

**Night Set Mode**
- ✓

**Seven Day Time Clock**
- ✓

**Electronic Control System**
- ✓

**Airside Control**
- ✓

**Wireless LAN Connection**
- ✓

**R22 Retrofit Capability**
- ✓

---

**Features and Benefits**

**Energy Efficiency**

**Inverter Operation**
An inverter system works like the accelerator of a car, gently increasing or decreasing power to steadily maintain your optimum temperature without fluctuations. That means uninterrupted comfort and significant savings on running costs. Daikin premium inverters can also reach your desired temperature faster than conventional air conditioners.

**Automatic Mode Changeover**
Automatically selects heating or cooling modes to suit thermostat settings and prevailing room temperature.

**Predicted Mean Vote (PMV) Control**
Measures indoor and outdoor temperatures to calculate the ideal room temperature, gently adjusting it for the optimum balance between efficiency and comfort.

**Temperature Limit Operations**
Lets you pre-define temperature range for cooling or heating, to reduce energy consumption.

**Home Leave**
Ideal for cold climates, when activated, home leave turns your air conditioner on automatically when room temperatures drop below 10˚C, keeping your home at or above 10˚C so it never gets really cold.

**Automatic Functions**

**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 Diagnostics with Digital Display**
Malfunction codes are displayed on your control panel for fast, easy fault diagnosis and maintenance.

**Anti-Corrosion Coating**
An anti-corrosion coating on outdoor heat exchangers gives greater resistance to salt damage and atmospheric corrosion.

**Compact Design**
The compact design of Daikin ducted indoor units allows them to be installed in confined areas, and they can also be dismantled for easier installation in tight roof spaces.

---

**Comfort Control**

**NIGHT QUIET MODE**
Outdoor unit noise is automatically reduced by 3 dB when outdoor temperatures fall more than 6˚C from the day’s maximum (set during installation).

**Program Dry Mode**
In this mode, priority is given to reducing the level of humidity in the room rather than room temperature.

**Intelligent Defrost**
During heating operation in low ambient temperature conditions, frost can form on the outdoor unit heat exchanger which can reduce your air conditioner’s performance. Daikin’s intelligent defrost system constantly monitors a range of system parameters and temperatures to determine the optimum time to commence a defrost operation for maximum performance in cold conditions.

**Hot Start**
Prior to heating, the indoor unit warms to a pre-set temperature before the fan switches on, ensuring only warm air is discharged and eliminating cold drafts.

**Quick Cool / Heat — Powerful Mode**
This feature temporarily increases power to more rapidly reach your desired room temperature, before automatically returning to normal operation.

---

**Timer Control**

**24 Hour On/Off Timer**
This timer can be pre-set to start and stop at any time within a 24 hour period.

**Night Set Mode**
A timer off circuit gradually adjusts pre-set cooling and heating levels, preventing sudden temperature changes during the night and improving economy.

**Seven Day Time Clock**
This allows you to program your air conditioner to turn on or off at set times for every day of the week.

---

**Note:** Not all features available on all models – Please refer to checklist on page 30.
ENVIROMENTAL CERTIFICATIONS

Daikin Industries Limited has received ISO 14001 Environmental Certification for the Daikin production facilities listed below. ISO 14001 is an international standard specifying requirement for an environmental management system, enabling an organisation to formulate policy and objectives, taking into account legislative requirements and information about significant environmental impacts. It applies to those environmental aspects within the organisation's control and over which it can be expected to have an influence.

The certification relates only to the environmental management system and does not constitute any endorsement of the products shipped from the facility by the International Organisation for Standardisation.

Head Office / Tokyo Office Certificate number: EC02J0355
Shiga Plant (Japan) Certificate number: EC99J2044
Sakai Plant (Japan) Certificate number: JQA-E-80009
Daikin Industries Ltd (Thailand) Certificate number: JQA-E-90003
Yodogawa Plant (Japan) Certificate number: EC99J2057
Daikin Australia Pty Ltd. Certificate number: CEM20437

AUSTRALIAN MADE CERTIFICATION

Through our commitment to expand local manufacturing capability, Daikin Australia are proud to say that our ducted indoor units* are now Australian Made certified.

Registered products ensure premium-quality and has met the criteria set out in the Australian Consumer Law and Australian Made, Australian Grown (AMAG) logo Code of Practice.

*Premium Inverter and Inverter range