HEATING AND COOLING SOLUTIONS

DUCTED SYSTEMS

The best air anywhere.
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.
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

**RETURN AIR GRILLE WITH FILTER TO REMOVE HOUSEHOLD DUST**

Return air grilles are situated at the entrance to each zone of your home and contain a filter to remove household dust. Air is ducted from the return air grille into the indoor unit and distributed throughout your home.

**INDOOR UNIT CONCEALED IN THE CEILING OR UNDER THE FLOOR**

The indoor unit is concealed out of sight in your ceiling or under the floor. The indoor unit is the part of your ducted air conditioning system that is not visible in your home.

**SMALL DIAMETER, CONCEALED REFRIGERANT PIPES**

Flexible refrigerant pipes are used to transport conditioned air from the indoor unit to the discharge grilles throughout your home. These pipes are small in diameter and are concealed in your ceiling or under the floor.

**OUTDOOR UNIT**

An outdoor unit is positioned in a discreet location outside your home. The outdoor unit contains the components that cool or heat the air before it is distributed throughout your home.

**DUCTING DISTRIBUTES CONDITIONED AIR THROUGHOUT YOUR HOME**

Flexible ducting distributes conditioned air from the indoor unit to the discharge grilles located throughout your home. Each zone of your home can have its own individual discharge grille.

**UP TO EIGHT ZONES CAN BE MANAGED FROM A SINGLE CONTROLLER**

A single controller manages up to eight zones in your home. This allows you to control the temperature and airflow in each zone independently.

**TRUSTED NAME**

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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.

**INDOOR UNIT**

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. **PMV CONTROL**
   - In automatic mode, Predicted Mean Vote control measures indoor and outdoor temperatures to calculate the ideal room temperature. As conditions change throughout the day, PMV Control gently adjusts your room temperature, maintaining an optimum balance between efficiency and comfort.

**OUTDOOR UNIT**

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 air flow over the blade surface, reducing turbulence which in turn results in a quieter, more efficient means of delivering comfort to your home.

8. **CROSS-PASS HEAT EXCHANGER**
   - Daikin’s Cross-Pass Heat Exchanger crosses refrigerant flows from two directions, reducing temperature hot-spots for more efficient operation and enhanced performance compared to single pass heat exchangers.
PREMIUM INVERTER DUCTED

Engineered to deliver superior energy performance, design flexibility and R22 retrofit capability. The new Premium Inverter range is perfect for your home or commercial application.

SUPERIOR ENERGY PERFORMANCE
Daikin’s new Premium Inverter Series takes energy efficiency to the next level. Engineered with features such as a redesigned Cross-Pass Heat Exchanger on the outdoor unit, DC Fan motor on the indoor unit and improved refrigerant control technology. The new Premium Inverter range showcases industry-leading energy performance.

DESIGN FLEXIBILITY
Our Premium Inverter systems allow a maximum piping length of up to 150m* and are pre-charged to 30m**. These units are also equipped with a DC Fan motor on the indoor unit with up to 15 different fan speed settings that can be enabled through a field code from your BRC1E63 controller. These features and others are designed to enable flexibility in applying these products into various domestic and commercial applications.

R22 RETROFIT CAPABILITY
The new Premium Inverter range can be retrofitted onto an existing R22 system by simply replacing both the indoor and outdoor units whilst retaining the field piping intact^*. This allows for a convenient and cost-effective means of upgrading an existing system that may be at the end of its useful operating life.

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

INVERTER DUCTED

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.

IMPROVED ENERGY EFFICIENCY
The improved energy efficiencies of the Inverter series have been achieved through the use of a DC Fan motor on the indoor unit and a Cross-Pass Heat Exchanger on the outdoor unit. Pipe sizes on the outdoor heat exchanger coil have been reduced and the number of passes increased in order to improve the capacity output and efficiency of the system.

FAN SETTINGS
The DC Fan motor on the indoor unit is designed to enable up to 15 different fan speed settings selectable through a field code on the BRC1E63 controller to match the airflow to your ductwork configuration.

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

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

*Applies to 180-250 Class Models
**Applies to 50-160 Class Models
^Strict guidelines apply to R22 Retrofit Capability, please speak to your installer for further information.
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 DESIGN
The new and improved FBA series has been designed to meet the construction challenges of modern commercial and medium density apartment development.

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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.

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.

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.

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FDXS
BULKHEAD
SYSTEM

FDXS
BULKHEAD
SYSTEM

FDXS
BULKHEAD
SYSTEM

FDXS
BULKHEAD
SYSTEM

SINGLE + THREE PHASE OPTIONS
Optional accessory

SINGLE PHASE
Optional accessory

15 MODELS
4 MODELS

SINGLE PHASE OPTIONS
Optional accessory

SINGLE PHASE
Optional accessory

CAPACITY RANGE
5.0kW to 14.0kW
2.4kW to 6.0kW

CAPACITY RANGE
5.0kW to 14.0kW
2.4kW to 6.0kW

CAPACITY RANGE
5.0kW to 14.0kW
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DAIKIN AIRBASE

CONTROL AT YOUR FINGERTIPS

Daikin Airbase puts your ducted system’s frequently used functions at your fingertips 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 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
At Daikin, we have a range of controllers available to control your ducted air conditioning system to suit your lifestyle needs.

**CONTROL YOUR DAIKIN**

### 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.

**SPECIFICATION**

<table>
<thead>
<tr>
<th>NAV EASE MODEL NO: BRC1E63</th>
</tr>
</thead>
<tbody>
<tr>
<td>HxWxD (mm)</td>
</tr>
<tr>
<td>Screen (Diagonal)</td>
</tr>
</tbody>
</table>

**TIP**

Need a second controller? Daikin Airbase is a great option!

---

### ZONE CONTROLLER

**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 Ducted models.

**SPECIFICATION**

<table>
<thead>
<tr>
<th>ZONE CONTROLLER MODEL NO: BRC230Z4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>HxWxD (mm)</td>
</tr>
<tr>
<td>Screen (Diagonal)</td>
</tr>
</tbody>
</table>

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---

**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 Ducted paired with the Zone Controller.

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**NAV EASE MODEL NO:** BRC1E63

**ZONE CONTROLLER MODEL NO:**
- BRC230Z4A: Up to four zones (230-240V)
- BRC230Z8A: Up to eight zones (230-240V)
- BRC24Z4A: Up to four zones (24V)
- BRC24Z8A: Up to eight zones (24V)

**TIP**

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---

**Notes:**
1. FDYQ, FDYQN and FBA models only. FDXS models come standard with wireless remote controller ARC433A103.
2. Zone Controller cannot be used in conjunction with any other controller. For a full list of features of the controllers listed here, please speak to your dealer.
3. Airside Control Function regulates the fan RPM between 60% to 100% of the indoor unit’s rated airflow.
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.

5 YEAR WARRANTY

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

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

### Notes:
- Level (H) @ 1m Pressure dBA (C/H)
- EPA Sound Range
- Outdoor Operating Pressure: 50/50
- Indoor Fan Speeds: H/M/L
- Piping Length (m)
- Indoor Sound Level (HxW x D)
- Dimensions (HxWxD)
- Weight
- Power Supply V/Hz
- Compressor Type
- Refrigerant
- Pipe Sizes
- Supply Air Opening: mm (HxW, Flange)
- Return Air Opening: mm (Dual)
- Outdoor Operating Range
- EPA Sound Level: dBA
- Outdoor Sound Level (HxW x Dm)
- Pressure dBA (C/H)

### OUTDOOR UNIT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>RZQS50A</th>
<th>RZQS50AV1</th>
<th>RZQS60A</th>
<th>RZQS60AV1</th>
<th>RZQS71A</th>
<th>RZQS71AV1</th>
<th>RZQS100A</th>
<th>RZQS100AV1</th>
<th>RZQS125A</th>
<th>RZQS125AV1</th>
<th>RZQS140A</th>
<th>RZQS140AV1</th>
<th>RZQS160A</th>
<th>RZQS160AV1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (Cool) (kW)</td>
<td>3.5</td>
<td>4.0</td>
<td>5.0</td>
<td>6.0</td>
<td>7.5</td>
<td>9.0</td>
<td>12.5</td>
<td>15.0</td>
<td>18.5</td>
<td>22.5</td>
<td>26.0</td>
<td>30.0</td>
<td>34.5</td>
<td>39.0</td>
</tr>
<tr>
<td>Capacity Range (Cool) (kW)</td>
<td>3.2-6.0</td>
<td>3.2-8.0</td>
<td>3.5-8.0</td>
<td>5.0-11.2</td>
<td>5.7-14.0</td>
<td>6.2-15.0</td>
<td>7.3-16.0</td>
<td>7.5-17.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### INDOOR UNIT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FDYQ50D</th>
<th>FDYQ71LB</th>
<th>FDYQ100LB</th>
<th>FDYQ125LB</th>
<th>FDYQ140LC</th>
<th>FDYQ160LB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor Sound Level (H) @ 1m dBA</td>
<td>44</td>
<td>45.5</td>
<td>46</td>
<td>44</td>
<td>45.5</td>
<td>46</td>
</tr>
<tr>
<td>Dimensions (HxW x D)</td>
<td>242x800 (Flange)</td>
<td>260x1100 (Flange)</td>
<td>290x1150 (Flange)</td>
<td>315x1150 (Flange)</td>
<td>345x1150 (Flange)</td>
<td>375x1150 (Flange)</td>
</tr>
<tr>
<td>Weight</td>
<td>44</td>
<td>50</td>
<td>62</td>
<td>62</td>
<td>70</td>
<td>79</td>
</tr>
<tr>
<td>Compressor Type</td>
<td>Hermetically Sealed Swing Type</td>
<td>Hermetically Sealed Swing Type</td>
<td>Hermetically Sealed Swing Type</td>
<td>Hermetically Sealed Swing Type</td>
<td>Hermetically Sealed Swing Type</td>
<td>Hermetically Sealed Swing Type</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
</tr>
<tr>
<td>Pipe Sizes</td>
<td>Liquid (mm)</td>
<td>6.4 (Flared)</td>
<td>6.4 (Flared)</td>
<td>6.4 (Flared)</td>
<td>6.4 (Flared)</td>
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<tr>
<td>Gas (mm)</td>
<td>12.7 (Flared)</td>
<td>12.7 (Flared)</td>
<td>12.7 (Flared)</td>
<td>12.7 (Flared)</td>
<td>12.7 (Flared)</td>
<td>12.7 (Flared)</td>
</tr>
<tr>
<td>Drain (mm)</td>
<td>12.5 / 12.5</td>
<td>12.5 / 12.5</td>
<td>12.5 / 12.5</td>
<td>12.5 / 12.5</td>
<td>12.5 / 12.5</td>
<td>12.5 / 12.5</td>
</tr>
<tr>
<td>Supply Air Opening</td>
<td>250x520 / 180x520</td>
<td>250x520 / 180x520</td>
<td>250x520 / 180x520</td>
<td>250x520 / 180x520</td>
<td>250x520 / 180x520</td>
<td>250x520 / 180x520</td>
</tr>
<tr>
<td>Return Air Opening</td>
<td>70x800 / 50x800</td>
<td>70x800 / 50x800</td>
<td>70x800 / 50x800</td>
<td>70x800 / 50x800</td>
<td>70x800 / 50x800</td>
<td>70x800 / 50x800</td>
</tr>
<tr>
<td>Outdoor Operating Range</td>
<td>Cool (°CBF)</td>
<td>5.1-16.0</td>
<td>5.4-16.0</td>
<td>5.7-16.0</td>
<td>6.0-16.0</td>
<td>6.3-16.0</td>
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<tr>
<td>EEA Sound Pressure Level (dbA)</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
</tbody>
</table>

### PRODUCT SPECIFICATION

- **Premium Inverter - Single Phase**
- **Premium Inverter - Three Phase**

### Notes:
- The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823.1.2.
- 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
- Indoor Sound Level (H) @ 1m Pressure dBA (C/H)
- E.P.A. Sound Range
- Outdoor Operating Pressure: 50/50
- Indoor Fan Speeds: H/M/L
- Piping Length (m)
- Indoor Sound Level (HxW x D)
<table>
<thead>
<tr>
<th>INDOOR UNIT</th>
<th>FDYQN71LBV1</th>
<th>FDYQN100LBV1</th>
<th>FDYQN125LAV1</th>
<th>FDYQN140LBV1</th>
<th>FDYQN160LAV1</th>
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</thead>
<tbody>
<tr>
<td>Rated Capacity</td>
<td>Cool (kW)</td>
<td>7.1</td>
<td>10.0</td>
<td>12.5</td>
<td>14.0</td>
</tr>
<tr>
<td>Heat (kW)</td>
<td>7.5</td>
<td>12.5</td>
<td>15.0</td>
<td>16.5</td>
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<tr>
<td>Capacity Range</td>
<td>Cool (kW)</td>
<td>3.2-7.1</td>
<td>5.0-10.0</td>
<td>5.7-12.5</td>
<td>6.2-14.0</td>
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<tr>
<td>Heat (kW)</td>
<td>3.5-7.5</td>
<td>6.0-15.0</td>
<td>6.2-16.5</td>
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<tr>
<td>Power Input</td>
<td>Cool (kW)</td>
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<td>3.12</td>
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<td>3.59</td>
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<td>Cool/Heat</td>
<td>3.15/3.27</td>
<td>3.21/3.48</td>
<td>3.02/3.35</td>
<td>3.01/3.68</td>
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<td>45</td>
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<td>Dimensions</td>
<td>(WxHxD)</td>
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<td>Gas (mm)</td>
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<td>Drain (mm)</td>
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<td>mm (Width/Height)</td>
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<td>Cool (*CDB)</td>
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<td>Heat (*CWB)</td>
<td>-15 to 16</td>
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<td>E.P.A Sound Power Level</td>
<td>dBA</td>
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<td>88</td>
<td>-</td>
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<td>Outdoor Sound Level</td>
<td>(HxWxL)</td>
<td>49/51</td>
<td>51/53</td>
<td>54/58</td>
<td>57/58</td>
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</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. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
### PRODUCT SPECIFICATION

#### FBA - Single Phase

<table>
<thead>
<tr>
<th>INDOOR UNIT</th>
<th>PREMIUM-INVERTER</th>
<th>STANDARD-INVERTER</th>
</tr>
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<tbody>
<tr>
<td>FBA50BMA</td>
<td>FBA60BMA</td>
<td>FBA71B</td>
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<tr>
<td>FBA85BMA</td>
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<td>FBA140BMA</td>
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<table>
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<th>OUTDOOR UNIT</th>
<th>FBA50VCY</th>
<th>FBA60VCY</th>
<th>FBA71VCY</th>
<th>FBA85VCY</th>
<th>FBA100VCY</th>
<th>FBA125VCY</th>
<th>FBA140VCY</th>
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<tbody>
<tr>
<td>Rated Capacity</td>
<td>i. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions</td>
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<tr>
<td>Capacity Range</td>
<td>ii. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions</td>
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<tr>
<td>Power Input (Rated)</td>
<td>Indoor (kW)</td>
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<td>6.0</td>
<td>7.1</td>
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<tr>
<td>Energy Efficiency Ratio (C/H)</td>
<td>EER/COP</td>
<td>48/50</td>
<td>52/53</td>
<td>51/53</td>
<td>52/54</td>
<td>56/58</td>
<td>51/54</td>
</tr>
<tr>
<td>Airflow Rate (Rated)</td>
<td>l/s</td>
<td>300</td>
<td>300</td>
<td>383</td>
<td>533</td>
<td>600</td>
<td>600</td>
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<td>Indoor Sound Level (H) @ 1.5m</td>
<td>dBA</td>
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<td>35</td>
<td>38</td>
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<td>50</td>
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<td>50</td>
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<td>208x1352</td>
<td>208x952</td>
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<td>230-240V/50Hz</td>
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<td>Refill</td>
<td>3 Phase, 380-415V/50Hz</td>
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<td>Compressor Type</td>
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<td>Refrigerant</td>
<td>R32</td>
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<td>5.5 (FLared)</td>
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<tr>
<td>Gas (mm)</td>
<td>12.7 (Flared)</td>
<td>15.0 (Flared)</td>
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</tr>
<tr>
<td>Drain (mm)</td>
<td>ID 25 / OD 32</td>
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<tr>
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<td>mm (WxH, Flange)</td>
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<td>176x182</td>
<td>176x172</td>
<td>176x182</td>
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<tr>
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<td>208x192</td>
<td>208x192</td>
<td>208x192</td>
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<tr>
<td>Outdoor Operating Range</td>
<td>Cool (°CDB)</td>
<td>-15 to 15</td>
<td>-15 to 15</td>
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<td></td>
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<tr>
<td>Heat (°CWB)</td>
<td>-15 to 15</td>
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<tr>
<td>EPA Sound Power Level</td>
<td>dBA</td>
<td>68</td>
<td>68</td>
<td>68</td>
<td>68</td>
<td>71</td>
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<tr>
<td>Outdoor Sound Level (H) @ 1m</td>
<td>Pressure dB(A)</td>
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<td>40/51</td>
<td>40/51</td>
<td>40/51</td>
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</tr>
<tr>
<td>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°C/19°C/CW, Outdoor temp: 32/30/28°C 3. Heating: Indoor temp: 25°C/19°C/CW, Outdoor temp: 7°C/4°C/CW 4. a. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions</td>
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### PRODUCT SPECIFICATION

#### FBA - Three Phase

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<td>FBA50BMA</td>
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<td>FBA71B</td>
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<td>FBA85BMA</td>
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<td>FBA140BMA</td>
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<table>
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<td>i. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions</td>
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<td>14.0</td>
<td>16.0</td>
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<tr>
<td>Energy Efficiency Ratio (C/H)</td>
<td>EER/COP</td>
<td>48/50</td>
<td>52/53</td>
<td>51/53</td>
<td>52/54</td>
<td>56/58</td>
<td>51/54</td>
</tr>
<tr>
<td>Airflow Rate (Rated)</td>
<td>l/s</td>
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<td>300</td>
<td>383</td>
<td>533</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
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<td>35</td>
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<td>208x1352</td>
<td>208x952</td>
<td>208x1352</td>
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<td>245x1400x800</td>
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<tr>
<td>Outdoor (kg)</td>
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<td>Compressor Type</td>
<td>Hermetically Sealed Swing Type</td>
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</tr>
<tr>
<td>Power Supply V/Hz</td>
<td>3 Phase, 380-415V/50Hz</td>
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<tr>
<td>Refill</td>
<td>3 Phase, 380-415V/50Hz</td>
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<td>Compressor Type</td>
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<td>Refrigerant</td>
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<tr>
<td>Pipe Sizes</td>
<td>Liquid (mm)</td>
<td>6.4 (Flared)</td>
<td>5.5 (FLared)</td>
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<tr>
<td>Gas (mm)</td>
<td>12.7 (Flared)</td>
<td>15.0 (Flared)</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Drain (mm)</td>
<td>ID 25 / OD 32</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Supply Air Opening</td>
<td>mm (WxH, Flange)</td>
<td>176x172</td>
<td>176x182</td>
<td>176x172</td>
<td>176x182</td>
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<td></td>
</tr>
<tr>
<td>Return Air Opening</td>
<td>mm (WxH, Flange)</td>
<td>208x192</td>
<td>208x192</td>
<td>208x192</td>
<td>208x192</td>
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<td></td>
</tr>
<tr>
<td>Outdoor Operating Range</td>
<td>Cool (°CDB)</td>
<td>-15 to 15</td>
<td>-15 to 15</td>
<td></td>
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<td></td>
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<tr>
<td>Heat (°CWB)</td>
<td>-15 to 15</td>
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<td></td>
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<tr>
<td>EPA Sound Power Level</td>
<td>dBA</td>
<td>68</td>
<td>68</td>
<td>68</td>
<td>68</td>
<td>71</td>
<td>71</td>
</tr>
<tr>
<td>Outdoor Sound Level (H) @ 1m</td>
<td>Pressure dB(A)</td>
<td>40/51</td>
<td>40/51</td>
<td>40/51</td>
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<tr>
<td>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°C/19°C/CW, Outdoor temp: 32/30/28°C 3. Heating: Indoor temp: 25°C/19°C/CW, Outdoor temp: 7°C/4°C/CW 4. a. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions</td>
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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:

- Return Air Opening mm (HxW, Flange)
- Supply Air Opening mm (HxW, Flange)
- R410A Refrigerant
- Compressor Type: Hermetically Sealed Swing Type

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. Dakin premium inverters can also reach your desired temperature faster than conventional air conditioners.

AUTOMATIC MODE CHANGEOVER

Automatically selecting heating or cooling modes to suit thermalostat 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.

FEATURES AND BENEFITS

ENERGY EFFICIENCY

INVERSION OPERATION

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.

AUTO RESTART AFTER POWER FAILURE

This feature temporarily increases power to more rapidly reach your desired room temperature, before automatically returning to normal operation.

AUTOMATIC FUNCTIONS

NIGHT QUIET MODE

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. Dakin’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.

PROGRAM DRY MODE

This feature temporarily increases power to more rapidly reach your desired room temperature, before automatically returning to normal operation.

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).

PROBLEM DRY MODE

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. Dakin’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.

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.

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. To prevent damage to the outdoor unit heat exchanger, frost can form on the outdoor unit heat exchanger which can reduce your air conditioner’s performance. Dakin’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.
5. 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.
6. Could be programmed on any day of the week.
7. Cooling: Indoor temp: 20°CDB/15°CWB, Outdoor temp: 7°CDB/6°CWB
8. Heating: Indoor temp: 20°CDB/15°CWB, Outdoor temp: 7°CDB/6°CWB
9. This allows you to program your air conditioner to turn on or off at set times for every day of the week.
10. A timer off circuit gradually adjusts pre-set cooling and heating levels, preventing sudden temperature changes during the night and improving economy.
11. This feature allows you to program your air conditioner to turn on or off at set times for every day of the week.
12. Note: Not all features available on all models – Please refer to checklist on page 26.
## FEATURES CHECKLIST

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<td>FDYQ200LCV1</td>
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</tbody>
</table>

### Inverter Operation
- ✓ ✓ ✓ ✓ ✓ ✓

### DC Indoor Fan Motor
- ✓ ✓ ✓ ✓ ✓ ✓

### Swing Compressor
- ✓ ✓ ✓ ✓ ✓ ✓

### Scroll Compressor
- ✓ ✓ ✓ ✓ ✓ ✓

### High Efficiency (Hi-X) Indoor Heat Exchanger Coil
- ✓ ✓ ✓ ✓ ✓ ✓

### Automatic Mode Changeover
- ✓ ✓ ✓ ✓ ✓ ✓

### P.M.V. 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 Galvanized 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 Sat Modes
- ✓ ✓ ✓ ✓ ✓ ✓

### Seven Day Time Clock
- ✓ ✓ ✓ ✓ ✓ ✓

### Electronic Control System
- ✓ ✓ ✓ ✓ ✓ ✓

### Airside Control
- ✓ ✓ ✓ ✓ ✓ ✓

### Wireless LAN Connection
- ✓ ✓ ✓ ✓ ✓ ✓

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**1** FDYQ50DV1, FDYQ60DV1 & FDYQ71LBV1 only – all others are scroll-type

**2** Can be set up by installer during installation

**3** Not available for FDYQ60DV1

**4** Not available on Zone Controller

**5** Available in FDYQ180LCV1, FDYQ200LCV1 & FDYQ250LCV1 only

**6** Only available on Zone Controller

**7** Optional accessory & only compatible with Nav Ease or Zone Controller

**8** Night Quiet and Night Set modes may reduce capacity

**9** Low noise operation requires optional P.C.B.

**10** Only available on FDYQ180LCV1
ASSUMPTIONS
All representations made in Daikin marketing and promotional material are based on the assumptions that the correct equipment has been selected, appropriately sized and installed in accordance with Daikin’s installation instructions and standard industry practices.

QUALITY CERTIFICATIONS
Daikin Industries Limited was the first air conditioning equipment manufacturer in Japan to receive ISO 9001 certification. All Daikin manufacturing facilities have been certified to ISO 9001 Quality Management System requirements. ISO 9001 is a certificate for quality assurance concerning “design, development, manufacturing, installation and related service” of products manufactured at that factory.

ENVIRONMENTAL 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
Shiga Plant (Japan)
Sakai Plant (Japan)
Daikin Industries Ltd (Thailand)
Yodogawa Plant (Japan)
Daikin Australia Pty. Ltd.

Daikin Australia Pty Limited (ISO 9001)
QEC 23256 May 12, 2006
Sydney, Brisbane, Adelaide, Melbourne, Newcastle, Townsville, Perth

Daikin Australia Pty Limited (ISO 14001)
CEM 20437 October 27, 2006
Sydney, Brisbane, Adelaide, Melbourne, Perth

Daikin Europe N.V (ISO 9001)
Lloyd 928589.1 June 2, 1993

Daikin Industries (Thailand) Ltd
JQA-1452 September 13, 2002
ISO 9001

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

AUSTRALIAN MADE CERTIFICATION

Residential Air Conditioning Manufacturing Div (ISO 9001)
JQA-0486 May 2, 1994
(Shiga Plant)

Commercial Air Conditioning and Refrigeration Manufacturing Div (ISO 9001)
JVM1007 December 28, 1992
(Kanazawa Factory and Rinkai Factory at Sakai Plant)

Industrial System and Chiller Products Manufacturing Div (ISO 9001)
JQA-0495 May 16, 1994
(Yodogawa Plant and Kanazawa Factory and Kishiwada Factory)

Daikin Europe N.V (ISO 9001)
Lloyd 928589.1 June 2, 1993

Daikin Industries (Thailand) Ltd
JQA-1452 September 13, 2002
ISO 9001

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Quality ISO 9001
Environment ISO 14001