DUCTED AIR CONDITIONERS

Come home to comfort with LG
Come Home To Comfort with LG air conditioners

**Why LG Ducted Air Conditioning**

Designed for the way you live, our ducted air conditioners can be installed in a new home or tailored to an existing one. Our ducted units can typically be installed discreetly in homes - so you can create a space that’s cool, comfortable and stylish.

To give you peace of mind, we also provide a 5 year parts and labour warranty on our ducted systems, so comfort will be with you for years to come.

With LG Ducted air conditioning products, you’ll also enjoy benefits such as:

- **Optional Wi-Fi Control** - so that you can control your unit with your Smartphone, even when you’re not at home*.

- **Improved Energy Efficiency** - The latest inverter technology from LG helps to lower running costs all year round.

- **Zone Control** - take control of up to 8 zones with the LG premium controller and indicate each zone name such as living room, kitchen etc.

For ease of installation, efficiency and flexibility, LG ducted air conditioning systems are the smart choice.

**Home Connectivity**

LG is making your life simpler and more convenient with connected appliances so you can now control your air conditioner with the sound of your voice1. Google Home is now compatible with LG Ducted Air Conditioners, once the optional Wi-Fi dongle is fitted2.

This means, you can now delegate tasks or ask your LG Air Conditioner questions via a compatible speaker.

The list of supported Google Assistant commands includes:

- OK Google, turn on the air conditioner
- OK Google, what’s the temperature of the air conditioner
- OK Google, set the temperature to 22 degrees

This not only demonstrates LG’s commitment to innovative technology in our products, but continuously finding ways of helping to improve the day to day lives of busy Australians.

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1 Product Registration using both LG Smart ThinQ app & Google app is required. Internet, Wi-Fi connection and Google account required. Data usage may apply. Controlling devices and features requires compatible smart devices. Features and services may be changed without notice. Google is a trademark of Google LLC.

2 Wi-Fi Dongle Module required. Sold separately.
**WI-FI CONTROL & HOME CONNECTIVITY**

**Wi-Fi Smart Control**

You can use Google Assistant or the LG Smart ThinQ App to access and control your air conditioner with your smartphone even when you’re not at home, so you can come home to comfort. (Optional Wi-Fi dongle module sold separately).

**External Controller Management**

Programmable thermostats have become popular due to their energy efficiency benefits, improved comfort and convenience.

**Home Automation System**

A home automation system can control compatible lighting, climate, entertainment systems and appliances. This can be connected with the LG Modbus RTU gateway (sold separately).

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2 Wi-Fi Dongle Module required. Sold separately.

3 LG dry contact sold separately. Please check with your dealer to ensure compatibility between your 3rd party thermostat and the LG Air Conditioner.
### SLIM DUCTED

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>Outdoor Unit</th>
<th>Cooling Capacity (kW)</th>
<th>Heating Capacity (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UBN24R</td>
<td>UU24WR</td>
<td>Min - Max</td>
<td>Min - Max</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.8 - 6.8 - 7.8</td>
<td>3.2 - 7.5 - 8.3</td>
</tr>
<tr>
<td>UBN36R</td>
<td>UU36WR</td>
<td>4.5 - 9.5 - 13.0</td>
<td>5.0 - 10.8 - 13.7</td>
</tr>
</tbody>
</table>

### HIGH STATIC DUCTED

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>Outdoor Unit</th>
<th>Cooling Capacity (kW)</th>
<th>Heating Capacity (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B30AWYN7G6</td>
<td>B30AWYUG6</td>
<td>Min - Max</td>
<td>Min - Max</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.5 - 8.8 - 9.6</td>
<td>2.7 - 9.4 - 11.1</td>
</tr>
<tr>
<td>B36AWYN7G6</td>
<td>B36AWYUG6</td>
<td>3.2 - 10.5 - 13.0</td>
<td>3.4 - 13.0 - 13.7</td>
</tr>
<tr>
<td>B42AWYN7G6</td>
<td>B42AWYUG6</td>
<td>4.0 - 12.5 - 14.8</td>
<td>4.0 - 15 - 16.5</td>
</tr>
<tr>
<td>B55AWYN7G6</td>
<td>B55AWYUG6</td>
<td>4.8 - 15.0 - 15.8</td>
<td>4.8 - 17.0 - 18.0</td>
</tr>
<tr>
<td>B62AWYN6.6</td>
<td>B62AWYU7.6</td>
<td>7.2 - 18.0 - 19.8</td>
<td>8.2 - 20.6 - 22.7</td>
</tr>
<tr>
<td>B70AWYN6.6</td>
<td>B70AWYU7.6</td>
<td>8.0 - 20.0 - 22.0</td>
<td>9.0 - 22.6 - 24.9</td>
</tr>
</tbody>
</table>

Based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition.
E.S.P. (External Static Pressure) Control

This function easily controls volume of the air with a remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. Additional accessories are not required to control air flow.

High Head Drain Pump

High head drain pump automatically drains water up to a height of 700mm of drain-head height. It provides the perfect solution for draining of water (Optional Accessory (ABDPG)).
Two Thermistors Control
The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can help optimise indoor air temperature for a more comfortable environment.

Operation for Multiple Rooms
Using a spiral duct (Embedded or flexible type) and stream chamber, it is possible to operate cooling/heating for several rooms simultaneously. Also, zone control is available with zone controller accessory (RADICA).

Zone control features
• Controls different zones (up to 4 zones) by external thermostat (AC a24V)
• Maintain proper air volume of each zone
• Auto variation of dampers
• Auto control of fan speed and On / Off operation

Minimised Height
Slim ducts provide ideal solution for installation in limited space.

Wide Operation Range

Easy Service & Maintenance
Installers are not required to disassemble the whole panel for maintenance; as panel is divided into 2 components; one for heat exchanger and the other for fan/motor. The installer can easily detach and re-attach the filter in the available limited space.
### SPECIFICATIONS

#### SLIM DUCTED

**UBN24RUU24WR**  
**UBN36R/UU36WR**

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>UBN24R</th>
<th>UU24WR</th>
<th>UBN36R</th>
<th>UU36WR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power/Capacity</td>
<td>Cooling kW</td>
<td>6.00</td>
<td>9.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heating kW</td>
<td>7.50</td>
<td>10.00</td>
<td></td>
</tr>
<tr>
<td>Capacity Range</td>
<td>Min – Max kW</td>
<td>2.8 – 7.8</td>
<td>6.5 – 13.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heating kW</td>
<td>3.2 – 8.3</td>
<td>5.0 – 13.7</td>
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</tr>
<tr>
<td>Rated Power Input</td>
<td>Cooling kW</td>
<td>2.08</td>
<td>2.43</td>
<td></td>
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<tr>
<td></td>
<td>Heating kW</td>
<td>2.21</td>
<td>2.85</td>
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<td>AER / AEC</td>
<td>Cooling / Heating</td>
<td>-</td>
<td>3.254 / 3.377</td>
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</tr>
<tr>
<td></td>
<td>EER / COP</td>
<td>-</td>
<td>3.809 / 3.723</td>
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<tr>
<td>Outdoor Split Unit</td>
<td>Cooling / Heating</td>
<td>-</td>
<td>3.277 / 3.400</td>
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<td></td>
<td>SEER</td>
<td>-</td>
<td>3.000 / 3.100</td>
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</tr>
<tr>
<td>Rated Current</td>
<td>Cooling / Heating A</td>
<td>9.00 / 9.80</td>
<td>10.6 / 12.4</td>
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<tr>
<td>Max. Current (Full Load Amps)</td>
<td>Indoor Unit A</td>
<td>1.6</td>
<td>3.3</td>
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<tr>
<td></td>
<td>Set A</td>
<td>17</td>
<td>28</td>
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<tr>
<td>Air Flow Rate</td>
<td>Min – Max L/h</td>
<td>170 – 396</td>
<td>343 – 643</td>
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<tr>
<td>External Static Pressure</td>
<td>Pa</td>
<td>25 – 150</td>
<td>40 – 150</td>
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<tr>
<td>Indoor Sound Level at 1.5m</td>
<td>H / M / L Pressure dB(A)</td>
<td>35 / 34 / 32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>W x H x D mm</td>
<td>900 x 270 x 700</td>
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<td></td>
</tr>
<tr>
<td>Weight kg</td>
<td>26.2</td>
<td>38.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor Sound Level at 1.5m</td>
<td>H / M / L Pressure dB(A)</td>
<td>48 / 52 / 56</td>
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<td></td>
</tr>
<tr>
<td>Sound Power Level</td>
<td>dB(A)</td>
<td>67</td>
<td>66</td>
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<tr>
<td>Dimensions</td>
<td>W x H x D mm</td>
<td>990 x 824 x 330</td>
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<td></td>
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<tr>
<td>Weight kg</td>
<td>56.1</td>
<td>87.5</td>
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<td>Power Supply Y / Phase / Hz</td>
<td>220-240, 1, 50</td>
<td>220-240, 1, 50</td>
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<tr>
<td>Circuit Breaker</td>
<td>A</td>
<td>25</td>
<td>40</td>
<td></td>
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<tr>
<td>Compressor Type</td>
<td>-</td>
<td>Twin-Rotor LG Inverter Scroll</td>
<td></td>
<td></td>
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<tr>
<td>Refrigerant Type</td>
<td>-</td>
<td>R32</td>
<td></td>
<td></td>
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<tr>
<td>Precharged Length m</td>
<td>4.15</td>
<td>4.01</td>
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<td>Pipe Size</td>
<td>Liquid mm/min/1</td>
<td>5.57 (1/4)</td>
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<tr>
<td></td>
<td>Gas mm/min/1</td>
<td>15.00 (1/2)</td>
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<td></td>
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<td>Drain OD / ID mm</td>
<td>32 / 25</td>
<td>32 / 25</td>
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<tr>
<td>Pipe Length m</td>
<td>37.50</td>
<td>57.51</td>
<td></td>
<td></td>
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<tr>
<td>Max. Height Difference m</td>
<td>30</td>
<td>30</td>
<td></td>
<td></td>
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<tr>
<td>Supply Air Opening</td>
<td>H x V Flange mm</td>
<td>300 x 857</td>
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</tr>
<tr>
<td>Return Air Opening</td>
<td>H x V Flange mm</td>
<td>231 x 850</td>
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<tr>
<td>Continuous Operating Range</td>
<td>Cooling °C DB</td>
<td>-15 – 48</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heating °C WB</td>
<td>-18 – 18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demanded Response</td>
<td>-</td>
<td>√</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wi-Fi Compatible</td>
<td>-</td>
<td>√</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: 1. Specifications are correct at the time of printing and may be changed without notice.  
2. Capacities are based on the following conditions.  
   - Cooling: Indoor temperature 27°C DB / 19°C WB  
   - Heating: Indoor temperature 20°C DB  
3. This product contains fluorinated greenhouse gases (R32)  
4. Dongle required for Wi-Fi Connectivity. Internet connection required.
KEY FEATURES

COMFORT & DESIGN

Quiet Mode

Quiet Mode can help reduce noise levels at night time by setting the dip switch on the PCB of the outdoor unit*.

*Based on cooling operation. When the technician sets to low noise operation, the cooling capacity may be decreased. The value of noise level is based on 15kW model.

Compact Indoor Unit

The premium ducted split system has a small chassis. This small split type of indoor unit helps make it easy to install in narrow and small spaces*.

Double Drain Pan

To help prevent damage caused by accidental leakage or blocked drain, the indoor unit has an integrated safety tray.

*Image not to scale. For illustrative purposes only. Consult air conditioning installer for installation options.

KEY FEATURES

ENERGY EFFICIENCY

Efficiency Comparison

The energy efficiency increase vs previous LG models (10.5kw), helps to lower operating costs. (Cooling AEER 14%↑ and Heating ACOP 24%↑)

Cooling Season energy simulation condition:
1) Model: Inverter B42AWYN7G5A / B42AWYU3G5A, Inverter B42AWYN7G6 / B42AWYU3G6
2) Location: Australia, Sydney
3) Cooling load: 12.5 kW
4) Operation time: 12pm – 9pm / Nov. – Feb.
5) Setting Temperature: AEER 3.80
6) Electric rate: 0.25 AUS$/kWh (for Residential)
7) Simulated by LG Energy Estimate Program

Cooling - Operation Efficiency

The latest Inverter technology from LG helps to lower cooling costs in summer.

Comparison:

<table>
<thead>
<tr>
<th>Model</th>
<th>Operation cost ($ / Cooling Season)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG Previous Model</td>
<td>145</td>
</tr>
<tr>
<td>LG New Inverter</td>
<td>109</td>
</tr>
</tbody>
</table>

*Cooling Season energy simulation condition:
1) Model: Inverter B42AWYN7G5A / B42AWYU3G5A, Inverter B42AWYN7G6 / B42AWYU3G6
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6) Electric rate: 0.25 AUS$/kWh (for Residential)
7) Simulated by LG Energy Estimate Program
**Smart Diagnosis***

Technicians can monitor the status of your air conditioner and diagnose problems by connecting it to a smartphone via a SIMs chip*. 

![SIMs Module](image)

* SIMs Module optional (technician only option).

SIM app:
1. Use a SIM's chip to connect a smartphone to an air-conditioner.
2. Monitor & diagnose in real time using the SIM app.

**GoldFin™**

The gold-coloured special coating on the fin of the heat exchanger helps prevent corrosion.

**Peak Current Control**

Through the peak current control technology, it can help save energy and operating costs. By limiting the maximum running current, the air conditioner can avoid running on the peak current level.

![Peak Current Control Diagram](image)

**Detection of Refrigerant Change**

The refrigerant levels are periodically monitored. If the amount of refrigerant drops to 60%, an alert will be sounded and the unit will stop operating.

![Detection of Refrigerant Change Diagram](image)
## HIGH STATIC DUCTED

### B30AWY7G6
- **Model**: B30AWY7G6
- **Capacity Range**: Heating Min-Max kW 7.2 - 19.8, Cooling Min-Max kW 8.2 - 22.7
- **Rated Power Input**: Cooling kW 5.47, Heating kW 5.49
- **Wi-Fi Compatible**: -
- **Demand Response**: Capable

### B36AWY7G6
- **Model**: B36AWY7G6
- **Capacity Range**: Heating Min-Max kW 11.6 - 16.3, Cooling Min-Max kW 14.9 - 20.3
- **Rated Power Input**: Cooling kW 9.5, Heating kW 9.6
- **Wi-Fi Compatible**: -
- **Demand Response**: Capable

### B42AWY7G6
- **Model**: B42AWY7G6
- **Capacity Range**: Heating Min-Max kW 15.8 - 19.1, Cooling Min-Max kW 18.2 - 23.2
- **Rated Power Input**: Cooling kW 12.1, Heating kW 12.8
- **Wi-Fi Compatible**: -
- **Demand Response**: Capable

### B55AWY7G6
- **Model**: B55AWY7G6
- **Capacity Range**: Heating Min-Max kW 19.4 - 22.7, Cooling Min-Max kW 22.6 - 27.9
- **Rated Power Input**: Cooling kW 14.3, Heating kW 15.0
- **Wi-Fi Compatible**: -
- **Demand Response**: Capable

### B70AWY5L6
- **Model**: B70AWY5L6
- **Capacity Range**: Heating Min-Max kW 20.6 - 24.9, Cooling Min-Max kW 23.1 - 27.4
- **Rated Power Input**: Cooling kW 16.7, Heating kW 17.6
- **Wi-Fi Compatible**: -
- **Demand Response**: Capable

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### Note
1. Specifications are correct at the time of printing and may be changed without notice.
2. Capacities are based on the following conditions:
   - Cooling: Indoor Temperature 20°C DB, Outdoor Temperature 38°C DB / 24°C WB
   - Heating: Indoor Temperature 15°C DB, Outdoor Temperature 2°C DB / 2°C WB
3. This product contains fluorinated greenhouse gases (R32).
STANDARD CONTROLLER

The standard controller is compact and easy to use. This controller allows you to control up to 4 zones in your home.

- Set up to 4 zones
- 4.3 inch mono display
- Time display
- Room temperature display
- Operation - On/Off
- Fan speed – Low/Med/High/Auto
- Self diagnosis function
- Auto restart on power failure
- Sleep mode
- Child lock
- Filter clean information
- Weekly timer

PREMIUM CONTROLLER

The Premium Remote Controller is designed to suit even the most stylish interiors. The easy to use touchscreen panel with backlit LCD allows you to control the temperature with simplicity, and allows you to control up to 8 zones.

- Set up to 8 zones
- 5 inch colour display
- Touch screen
- Time display
- Room temperature display
- Operation - On/Off
- Mode - Auto/Cool/Dry/Heat/Fan
- Occupied cooling and heating temperature setpoints
- Unoccupied cooling and heating temperature setpoints
- Fan speed – Low/Med/High/Auto
- Self diagnosis function
- Auto restart on power failure
- Sleep mode
- Child lock
- Energy monitor
- Filter clean information
- Weekly, yearly and holiday timer
CONTROLLERS

Category | Standard PREMTB001 | Premium PREMTA000
---|---|---
Size (mm, W x H x D) | 121 x 120 x 15 | 137 x 121 x 16.5

Basic Control
- On/Off Fan Speed
- Desired Temperature
- Operation Mode
- Simple On/Off
- Sleep
- ON Time
- OFF Time
- Weekly
- Yearly
- Holiday
- Energy Monitor
- Time Limit Control
- Child Lock / All Lock
- Time Display
- Electric Failure Compensation
- Wireless R/C IR Receiver

Reservation

*Controllers sold separately.

Zone Control
Control up to 8 zones with the premium controller and indicate a zone name such as Living Room, Kitchen etc. There are 18 names to choose from. Only available on high static range.

Controllers
- PREMTB001 Standard Wired Wall Controller
- PREMTB100 Deluxe Wired Wall Controller
- PREMTA000 Premium Controller
- PQWHR4QFD8 Wireless Remote Control
- PWFMDD200 WiFi Dongle + 1.1m Cable
- PWYREW000 10m Cable
- ABDP9 Drain Pump Kit

Dampers
- ABZCA 4 Damper Controller
- PBZD80 8 Damper Controller (24V with RJ12)

Drain Pump
- ABDP9 Drain Pump Kit

ACCESSORIES

ACCESSORIES

Control Method | Objective/Use | Unit Name and Model | Function | Parts | Features
---|---|---|---|---|---
PI485 | To connect Outdoor unit to CNU or Simple Central Controller | • RS485 Converter with software
• For Max 16 Indoor | • PCB Assembly
• Bracket
• Lead wire: 3EA
• Screw 4EA
• Tie wrap
• Clamp
• Manual | 1 set/1 Outdoor

Dry Contact | For connect Indoor unit to other Forced on/off Controller | • RS485 Converter with software | • PCB Assembly
• Top case
• Bottom case
• Screw
• Lead wire 3
• Sub PCB set
• 1 Leadwire + 1 sub PCB
• Manual | 1 set/1 Indoor unit

Dampers
- ABZCA 4 Damper Controller
- PBZD80 8 Damper Controller (24V with RJ12)

OPTIONAL ACCESSORIES*

Model | Description | Applicable Model
---|---|---
PREMTB001 | Standard Wired Wall Controller | All 1 to 1 ducted model
PREMTB100 | Deluxe Wired Wall Controller
PREMTA000 | Premium Controller
PQWHR4QFD8 | Wireless Remote Control
PWFMDD200 | WiFi Dongle + 1.1m Cable
PWYREW000 | 10m Cable
ABZCA | 4 Damper Controller | Slim ducted
PBZD80 | 8 Damper Controller (240V)
PBZD80 | 8 Damper Controller (24V with RJ12)
ABDP9 | Drain Pump for Slim ducted (UBN series) | Slim ducted
ABDP7 | Drain Pump Kit | High static (8-12 kW - 15kW)*
ABDP9 | Drain Pump Kit | High static (18kW - 20kW)

*Refer to each model PDB for application accessories. Optional accessories sold separately.

ZONE CONTROL

Control up to 8 zones with the LG Premium Controller

*Refers to each model PDB for application accessories. Optional accessories sold separately. Only for B30, B36, B42, B55. Not applicable for slim duct or B62, B70.
For more information visit
lg.com/au/ducted-air-conditioning

*The specifications, designs and information in this brochure are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours may vary slightly.