



AUSSIE AIR CONDITIONING PTY LTD (ACN 153 262 929)

7 Princeton St
Kenmore 4069 Qld

PO Box 216
Kenmore 4069 Qld
Ph: 1300 760607
Ph: 1300 140044
Main Office: +61 07 33783546
Fax: +61 07 38788557

Quote for Supply & Installation of Ducted Air conditioning



Panasonic
Specialist Air Network

Please Note: All quotes given are estimated until an on-site inspection from one of our Aussie Air-conditioning technicians has taken place!

Option 1 * Zone 10.4 Advantage air controller with air flow control (Included in all standard ducted air conditioning)

Option 2 * (Additional cost \$795.00 Incl. GST.) Which includes Advantage Air My air 4 with air flow control, VAV Room temperature sensors (ITC) one per zone.

Option 3* (Additional \$90.00 per zone) For room motion sensors with My air 4

PANASONI Indoor S-140PE1R5 Outdoor U-140PE1R5 14.5Kw Inverter Reverse Cycle
Heating and cooling capacity of up to 155m² at one time

Upstairs

Zone 1 – Bedroom 1 (1 x 250mm round standard outlet) + Ensuite (1 x 200mm round standard outlet)

Zone 2 – Bedroom 2 (1 x 250mm round standard outlet)

Zone 3 – Bedroom 3 (1 x 250mm round standard outlet)

Zone 4 – Bedroom 4 (1 x 250mm round standard outlet)

Downstairs - droppers if possible to be confirmed

Zone 5 – Study (1 x 250mm round standard outlet)

Zone 6 – Living/Dining/Kitchen (3 x 250mm round standard outlet)

PUR7555 Return grille

Round outlets

Technician to return next week to pre run copper pipeing and run 1.5mm wire into the switchboard for Zoning system

Power and concrete slab to be done by builder

Energex Device \$20

Installed \$11,500 Incl. GST

Price includes Zone 10.4 control system

Advantage air controller Zone 10.4 (Option 1)

Where standard systems are controlled by what looks like a big light switch, the Zone 10 has an intuitive touch screen. It even allows you to program in a week's worth of schedules.



10 more Zones equal more Control



It doesn't take a genius to figure out that if the average home has 10 rooms, air-conditioning systems should have 10 zones. While most systems divide your home into 4 zones (which means you have multiple rooms in each zone), Advantage Air gives you 10 so you can pick and choose precisely which rooms receive conditioned air. You stay comfortable and save energy. Now that's cool!

Zone 10 Dumps the Dump Zone.



Being air-con experts, we couldn't leave it there. We've also dumped the wasteful dump zone. In standard systems, this large zone can occupy up to 25% of your home. It is permanently open to stop air pressure build up blowing your ductwork out of place. With the Zone 10, an electronic default constant monitors the system and only opens a pre-selected dump zone when needed.

Take control with a touch pad.

Where standard systems are controlled by what looks like a big light switch, the Zone 10 has an intuitive touch screen. It even allows you to program in a week's worth of schedules.



We've thought of everything:

Motion sensors to save energy in empty rooms; touch screen control; the MyAir app for smart phones; the option of upgrading to individual room temperature control. This system looks out for your comfort and energy use all the way.

MyAir looks out for your comfort and energy use

Motion sensors automatically save more energy

People aren't sedentary animals. During the day, you'll use a few rooms and want the air-conditioning on in all of them. To help you save energy without even trying, MyAir Series 4 now has motion sensors in every room.

After a room is empty for 10 minutes, they signal the system to adjust the temperature by 1 degree. If the room is still empty after 20 minutes, the temperature adjusts by 2 degrees and energy usage drops by a hefty 20%. Walk back in, and the system automatically returns to your set temperature.

7-inch colour touch screen control



The control panel looks like an iPad Mini and is just as intuitive to use. The home screen is easy to read and displays all your system options. Simply tap the option you want and follow the prompts. We've even included a Help button at the top of the screen, just in case you need it.

As the control panel is fully integrated with most brands of air-conditioning units including Daikin, Fujitsu, Panasonic, Toshiba and LG, you only have one controller mounted on the wall.

Touch screen becomes a home hub

The touch screen can be loaded with your favourite Android internet browser and home apps like your lighting, security, pool cleaner and reticulation. Or load your favourite music streaming service, family calendar, recipe apps and supermarket shop. With the MyAir touchscreen you can manage every aspect of your air-conditioning and your home. And unlike your phone or iPad, the control panel is wired in so it never needs recharging and it never goes walkabout!

MyAir app for additional control

If getting off the couch to adjust the air-con seems like too much effort, don't. MyAir comes with its own app that effectively turns every smartphone or tablet in your house into a wireless remote control. It works through your home data network on both Apple and Android devices.

Every room is zoned individually

You don't have to be maths whizz to figure out if the average home has 10 rooms, and an air-conditioning system has only 4 or 5 zones, you end up with multiple rooms in each zone. If four people are home, and everyone is using a different zone, you have to run the air-con in the whole house, even though only a few rooms are being used. That adds up to wasted energy.

MyAir Series 4 looks out for your comfort, and your electricity bill, by dividing your home into 10 zones – one for every room. It allows you to heat or cool only the rooms you are using. More zones equal more control over energy usage.

Control over how much air goes where

You can control which rooms receive air, and how much. Using the touch screen or MyAir app, you can adjust the airflow to any room from 5 to 100% output, in precise 5% increments. As everyone can customise the airflow to their room, there are no "Turn it up, turn it down" arguments. That's got to make you feel more comfortable!

Optional Extras

Independent Temperature Control (ITC)

There can be huge temperature discrepancies between rooms, depending on their orientation to the sun and whether they are upstairs or downstairs. With MyAir Series 4, you can manually send more air to hotter rooms. However if you'd prefer everything to be adjusted automatically, you have the option of upgrading to Independent Temperature Control (ITC). Each ITC sensor is like a thermostat, giving you individual room temperature control. They instruct the system to continually adjust the airflow to maintain your selected temperature.

We particularly recommend installing ITC in the hotter west facing or upstairs rooms to ensure they stay the temperature you want as they day heats up. As ITC sensors ensure your won't be over air-conditioning rooms, they have the added bonus of saving energy.

Sensors can be installed in as many rooms as you like, either at the time of installation or later on.

More choice with MyZone

Every room with an ITC Sensor can be selected as MyZone – the room that acts as a thermostat for the entire system. MyZone gives you more choice and control over how you run your air-conditioning.

For optimum comfort in summer, select the hottest room in your home as MyZone. This ensures every room with ITC will achieve the temperature you have set. For energy saving, select the coolest room as MyZone so the temperature set point will be achieved sooner, reducing energy consumption.

Superior Components

You have the comfort of a 10-year warranty on ducting and mechanical components, and 5 years on electrics.

Motion Sensors



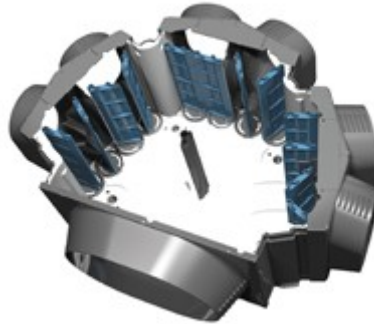
MyAir Series 4 is the first air-conditioning system to feature motion sensors. When they detect a room has been empty for 10 minutes, they reduce airflow by 10%. This increases to 20% if the room is still empty after 20 minutes. This small drop reduces energy usage by 20%. As soon as someone re-enters the room, the airflow returns to normal.

7-inch Colour Touch Screen



It looks like an iPad Mini and is just as easy to use. It controls the entire system, including the compressor (even your home automation system), so you only have one controller mounted on the wall.

Exact Air Regulator



Housed in the ducting, dampers control how much air goes where. In standard systems, the damper body looks like a large metal tube with a circular internal scoop that moves like a pivot door to increase or decrease airflow.

As it was impossible to achieve the level of airflow control we were after with conventional dampers, we designed our own: the Exact Air Regulator. Instead of a single scoop it has Opposed Blade Dampers (OBDs). Think of them as a series of double doors that can open and close in 5% increments. They are the reason why MyAir can supply air far more precisely than standard systems. As the air goes where it is needed, you achieve your preferred temperature as energy efficiently as possible.

The Exact Air Regulator rewards you with smoother, quieter more even airflow, and rewarded Advantage Air with an Australian Design Mark award for innovation.

Purtech Return Air Grille

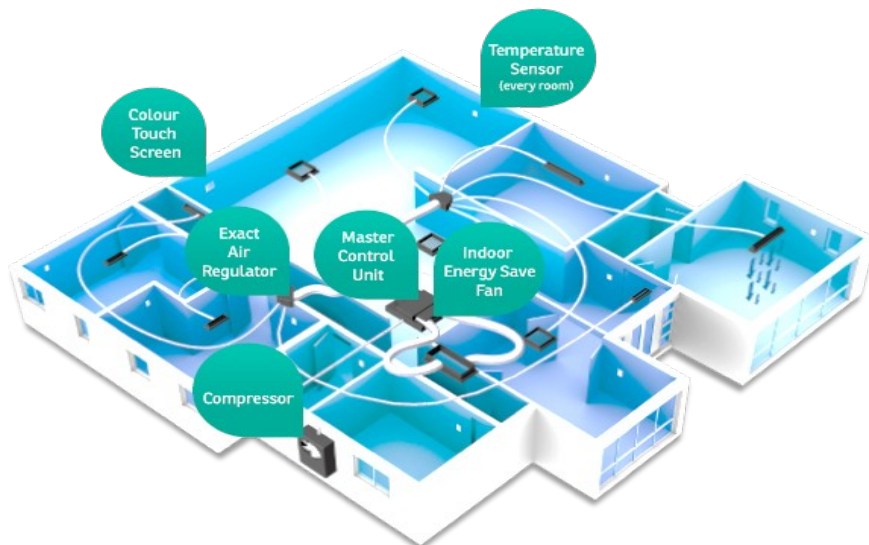


Advantage Air's triple layer filters are electrostatic to attract more particles to the fibres and keep them there, resulting in 30% cleaner air than standard filters. As a dirty grille and filter can directly impact on a system's efficiency, ours have both been designed for easy cleaning. They're both covered by a 10 year warranty, anything less is a choke.

Ducting



Ducting is like the arteries of the system. To ensure ours is as energy efficient as possible, we've insulated it in high-density polyester. Plus we've included a stainless steel spring inner coil for added strength and shape retention. The result of all this engineering is our ducting meets Australian strength, mould, temperature and fire standards. If that doesn't blow you away, the 10-year warranty will.



Brisbane's Aussie Air conditioning and Electrical is a family owned business providing you with the very best available products and services for the past 8 years. We have a fully trained and

certified installation team consisting of ARC Tick Certified Airconditioning Technicians and Electrical Contractors

Ducted Air conditioning General Information, Terms and Conditions

When choosing a ducted system to suit your request, we take into consideration area size, general usage and overall energy efficiency of the system to provide you with a quality air conditioning solution to provide your home with cool, clean air during summer and warm, even heat during winter. Our ducted systems are ideal for multiple room use, and can incorporate zone selections if required. By separating your home into zones you will reduce your ongoing running expenses by being able to turn off/on separate areas to conserve energy expenditure when desired. **Zone configurations need careful consideration and must be confirmed prior to installation.**

When choosing the size of the ducted air conditioning system, this depends on how you are using the system and the size of the area you are wanting to cool/heat. Many clients use a system referred to as 'day and night' this means that the size of the air conditioner can only cool/heat the main areas during the day and then at night time all of the bedrooms. Basically the unit is sized to cool a maximum of half a house at any one time, if you were to try and open more zones this would affect the cooling capacity.

If you wanted to cool the entire home with all zones open then you would have to install considerable larger air conditioner which 10% of our clients choose, because of the cost factor in the installation and also running costs. 90% of our clients opt for the day and night use as it is much more cost effective to run.

Air in the room is cooled by the evaporator coil within the indoor unit, which is then distributed via a fan within the indoor unit to each separately zoned area via insulated ducting**. The return-air grille is an egg-crate style, ceiling mounted filter which is critical to both filtering the air flow and detecting temperatures to maintain optimal energy expenditure. Whilst every effort is made to position the grille away from highly visible areas, the ultimate position is determined for maximum operating efficiency of the system. The system operates via two main wall controllers (one main, brand supplied controller and one Advantage Air zone controller). The zone controller is mounted with the main controller to allow each zone to be switched on/off and adjustable air-flow separately. Keep in mind ducted air conditioning is a general temperature throughout the house which ultimately does not function like a separate split system in a room which can control the temperature 100%. Ducted air conditioning has a variation in temperature and cannot be critically controlled as the main temperature sensor is usually in the return grille of the machine and will always have the override to control the air conditioning system above the zone control systems.

The zone controls used by our company are by Innovative Air Systems (Advantage Air), a wholly Australian owned and operated company.

The condensing unit is installed outside either on a separate concrete slab included in quote if required (if no other appropriate flat surface is available,) a wall bracket at an additional cost of \$250 (may cause vibration in the wall which we cannot take responsibility for) or a third option would be a retaining wall installed with pre mixed concrete filled, at a cost of \$380. It is connected to the indoor unit via interconnecting pipe-work which carries the refrigerant. The compressor in the outdoor unit circulates the refrigerant between the indoor and the outdoor units.

*All our leading-brand systems used in residential applications come with a five year warranty

Warranty

- Ten (10) year warranty on Fire Guard 2- Acoustic Flexible Ducting (Fully insulated to minimise thermal loss, complies to AS 4254 1995 AMDT.I- 1996 AS 1530-3 1989) (Warranty by Advantage Air)

- Twelve (12) months on refrigerant gas leaks (Warranty by Aussie Air Conditioning)
- Five (5) year manufacturers standard warranty on air conditioning machine (Warranty by manufacturer)
- Twelve (12) month warranty on workmanship, extended to five (5) years with annual servicing of the installed air conditioning unit by our licensed *Aussie Air conditioning* technicians (Standard service \$250 incl. GST)
- Five (5) year warranty on zone control system and zone motors. (Warranty by Advantage Air)
- Five (5) year warranty on replacement zone control systems (including zone motors and wall controller) on parts only. Labour and call-out will be charged at \$145 + \$65 per hour after the first hour to replace these parts (if software or error codes arise.) (Warranty by Advantage Air)
- Labour by Aussie Air Conditioning if requested to replace parts.

Quote Terms

- This quote is effective for thirty (30) days from the date received and thereafter may require review. *Aussie Air conditioning Pty Ltd*
- If the building is in frame stage at the time of installation, we cannot take responsibility for any damage or performance related problems incurred to the system- and/or any materials supplied by *Aussie Air conditioning Pty Ltd* by building/renovation processes undertaken between stages of installations (retro-fit to final stage). Please note if any damages are incurred these may involve additional costs to repair.
- We cannot take responsibility for any damage or performance related problems caused by ingress of any foreign matter or person, animal or plant or part thereof, vandalism, accident, flood, fire, lightning strike, negligence or any other external source.
- In the event of heavy rain etc. installations may have to be re-scheduled due to safety regulations or structural constraints. If this is the case, we will inform you on the day and an alternative installation time/date will be arranged.
- This quote assumes adequate space will be provided for all ducting and fittings.
- Acceptance of quote confirmed with a 10% deposit, payment terms below.
- On retro-fit (first stage) which is for building a home at frame stage, after the retro-fit is completed an additional 60% is to be paid on completion
- On completion stage (second stage) the unit is to be finished, commissioned with test run and setting up of zoning system. This includes a demonstration to the client who must be present on site.
- 30% Balance to be paid on completion
- For existing homes which is usually a two day job a 10% deposit is required on acceptance of the quote and the 90% balance is to be paid within completion of the installation

Standard Inclusions

- Supply of chosen ducted air conditioning system including 1 x zoning control system and 1 x brand supplied air conditioning system
- Installation of pipe-work and all interconnecting electrical and control cabling between all equipment supplied by Aussie Air conditioning (up to 20m) *Standard installations rarely go over 20m*
- All ductwork and coverings
- Refrigerant pipe-work (all systems incorporate the latest refrigerant R410A)

- Standard round supply air registers (unless otherwise specified)
- Supply and installation of return air grille(s) (unless otherwise specified)
- Full commissioning
- 1 concrete slab for outdoor unit only up to 14.5KW's as long as the ground is level and at the correct height

Electrical

- Electrical power supply to chosen ducted air conditioning system
- Installation of interconnecting wiring including to thermostat and controls
- Single phase isolator for ducted system (20 Amp-32 Amp) (if required)

Standard Exclusions

- Coloured duct-cover other than supplier issued (cream coloured duct-cover standard)
- Additional electrical/pipe-work over 20m \$25/p metre (*Extra pipe work and electrical over standard installs in duct is \$55.00 per meter. Extra pipe work and electrical over standard installs exposed i.e., saddled under floor or through ceiling cavity \$25.00 per meter*).
- Painting, re-decorating or general carpentry i.e. patching from removal of units, boxing in ductwork, plaster work and/or building structural work etc. (if required)
- Installation of condensate pump/s where gravity drainage is not possible
- Penetrations through structures containing asbestos- ceiling to be checked for asbestos; client to have hole cut for outlets (if required)
- Access to routine maintenance and service (standard service @ \$250 incl. GST, recommended annually to maintain optimal functioning of your unit and also to extend workmanship warranty each year up to 5 years)
- Internal insulation within ceiling space (please contact our office for a quote on insulation and ventilation)
- Core drilling or any other non-standard penetrations
- Any variations from the above and/or work not specified in this recommendation.
- Ceiling nails may pop plaster which screws up and holds the ceiling sheets, they may not be properly screwed up to the roof trusses hard and when the installers are walking around above in the ceiling cavity sometimes causes the ceiling to crack or pop the plaster. We cannot be responsible for this when installing the ducted system. We always take as much care as possible to eliminate this happening.
- When installing ducted air conditioning in two storey homes it is not our responsibility to cut any timber work through the floor joist to enable us to run ducting. This is the responsibility of the builder which also includes framing of droppers, sheeting, plaster work and painting.

Electrical

- Consumer mains upgrade/ three-phase power upgrade (if required)
- Switchboard upgrade (if required)
- Adequate power if not already in place

Other Considerations

This quotation and the related system KW capacities are based on the following assumptions:

- Ceiling insulation with a minimum R2.5 rating together with ceiling ventilation is/will be installed. Good roof insulation is very important for refrigerated air conditioning as it helps maintain ideal energy output of the system. Please note: Lack of insulation may cause the outlets to 'sweat', damaging the ceiling during extremely hot weather conditions- *Aussie Air-conditioning* therefore cannot be held liable for repairs if such damage should occur. We would highly recommend roof ventilation as this reduces the equipment sweating in the roof space area and dripping on the ceiling, which may cause damage. If there is no roof ventilation 9 times out of 10 this will cause high humidity and sweating of the equipment.

- All glass facing west/north west should be concealed with drapes/blinds or tinted, as heat produced from direct sunlight may cause an increase in the temperature of the area, which may in turn increase energy expenditure of the ducted system.
- Unless otherwise requested or specified, bathrooms, laundry and toilets are not included in air-conditioned spaces.
- Good roof ventilation to reduce and remove hot air from ceiling cavity, reducing the heat load on the machine and ducting. Recommended Mistro ventilator to be installed or whirly birds.
- A minimum of 2-3 outlets should be on with fan speed on low up to a 14kw to help reduce air noise which will be noticeable. If you try to close more outlets and only have 1 on at a time this will increase the air volume, so if you only have 1 outlet on the noise level will become higher because you are forcing more air through 1 outlet, this is not recommended. Any system over 14kw to a 25kw should have a minimum of 3-4 outlets on at a time. In both cases above reducing to only one outlet will cause incorrect temperature readings and will affect how the unit performs
- Indoor noise from the return grilles, outlets or machine may have a low to medium noise level depending on situation which we cannot take responsibility for. We always try to design the system to help reduce noise levels which really inside the house is the same noise level as a ceiling fan.
- Outdoor A/C unit are much quieter than older system however they still do make noise and this also depends on the size of the unit. We cannot take responsibility for this, consideration of location should be taken into account. The most suitable location will always be chosen to best suit noise at the same time this cannot always be possible.

Basic Installation & MyAir guideline installation checklist:

Exact Airs installed level.

- Label zone cables on both ends and motors.
- Zone cables run as safe as possible e.g. along duct, beams etc.
- Utilize installation manuals as provided by Advantage Air.
- CB with antenna to be installed level only.
- Test AC unit as standalone before connecting MyDict.
- Follow installation instructions as provided and field settings accordingly for all Advantage Air components
- Temp sensors installed on the wall, not in direct vicinity of vent but can pick up ambient room temp and air circulation. Same height as light switch is ideal and looks aesthetically correct. Preferably confirm every sensor location with the home owner explaining to them that the accuracy of the sensors and climate control relies on good sensor location.
- As soon as power is on and the Touch Screen is ready to be programmed, please run through the “Wizard” first, accurately completing each step. Proceed to “Advanced” to confirm zones are initially set to Min:0% & Max:100%. Check RF sensor status.
- Label and test zones correctly, air flow open and closed.
- Activate Aussie Air logo. Pin code 5493.
- Add Aussie Air Tel number.
- Fill out paperwork **correctly**
- Leave warranty and instruction manuals with customer

Handover:

- Explain Touch Screen functioning in full to the customer, especially areas of temperature controls i.e. AC supply temp from screen, My Zone and Zone sensors.
- Explain My Zone principle, control and help button. What is the purpose of the My Zone?
- Demonstrate how to rename zones.
- Explain Constant as an “automatic relief” when too many zones are closed and not as a vent that stays “constantly” open (dump zone.)
- Download MyAir App from iTunes or Android and explain features available on the App. Note more feature on the App than on the screen.
- If the customer is not present at the time of installation of the My Air 3-4 or Zone 10.4 which includes the wireless app download, explanation and setting up the device will not be possible, therefore the customer needs to be present.
- The property at the time must have internet at the time of installation with a spare port to enable the installation completion of My Air 3-4, Zone 10.4 etc
- A \$85 call out fee (Brisbane metro area) will be charged if Aussie Air Conditioning have to return to complete the installation of the above.
- In signing off this contract you are agreeing that you understand how the air conditioning system works and options with the My Air 3-4 controller or 10.4. This also includes the basic operations of the air conditioning system itself.

Installer name: _____

Installers signature: _____

Installation completion date: _____

Customers name: _____

Customers signature: _____

THIS IS IN CONJUNCTION WITH YOUR QUOTE – ALL TERMS AND CONDITIONS ARE ON YOUR ORIGINAL QUOTATION. IN SIGNING THIS YOU UNDERSTAND AND AGREE TO ALL TERMS CONDITIONS BY AUSSIE AIR CONDITIONING PTY. LTD.

Payment terms

A 10% deposit is **due and payable upon acceptance of this quote and prior to commencement of any work**. Acceptance of quote confirmed with a 10% deposit, payment terms below. On retro-fit (first stage) which is for building a home at frame stage, after the retro-fit is completed an additional 60% is to be paid on completion. On completion stage (second stage) the unit is to be finished, commissioned with test run and setting up of zoning system. This includes a demonstration to the client who must be present on site. 30% Balance to be paid on completion. For existing homes which is usually a two day job a 10% deposit is required on acceptance of the quote and the 90% balance is to be paid within completion of the installation

Upon completion of the work, final payment is due and payable by cheque, cash, direct deposit or credit card (Please note: Visa and Master Card's incur a 1.8% surcharge).

*Please note: All invoices are emailed to a specified email address unless unavailable, in which case these are then mailed to an appropriate home/PO Box address. A 5% overdue fee (compounding every 7 days) will be incurred on the remaining balance of the invoice if left unpaid after completion of work. All materials and equipment provided remain the property of Aussie Air conditioning until payment is received in full. If payment is not received after 30 days a small claims will be filed and a Bailiff will be issued to you in person by the Brisbane Sheriff office.

If you require further information, please don't hesitate to contact our office, thank you!

We Supply All Leading Brands!

