

Australia often is a challenging environment and a cooling system can help make the heat much more bearable. There are primarily two differing ways to cool your home, air-conditioning and evaporative cooling.

There are two common types of air conditioning systems – split systems and ducted air conditioning systems. Split systems units are used primarily to refrigerate a single room, and comprise of one indoor unit to one outdoor condenser (hence the term split system). You can choose from discreet wall-mounted models, compact floor consoles or ceiling units. Installation space and costs can also be reduced by connecting multiple indoor units to the one outdoor condenser (multi systems). Ducted systems provide comfort to all rooms in either a new or existing home. Located in the ceiling or under the floor, ducted systems can be designed to operate in two or more differing areas of the home (zoned), which can be cooled or heated at different times.

Evaporative cooling works throughout your entire home. A cooling unit is positioned on top of your roof and the cooling unit fan draws in fresh air from outside your house. (The hotter the air is to begin with, the better the cooling effect.) As it passes through moistened pads, the air is cooled and filtered before flowing through the ductwork and into your rooms - just like a cool, refreshing sea breeze.



At Woodpecker, we offer a complete range of cooling products. Although, the cooling products are diverse and can therefore seem overwhelming in terms of choosing which is best for you -by asking a few simple questions we can tailor the right product for you.

COOLING YOUR WHOLE HOME

Ducted air conditioning can be installed in virtually any home, existing or new, provided that there is sufficient ceiling space. There are two components to the ducted system, with the compressor unit located outside the house and the indoor unit located within the ceiling space. The cooled or heated air is distributed through vents located throughout the house.



To improve efficiency, ducted systems can be zoned so that different areas of the house are heated or cooled at different times. For example, the house can be divided into a day zone (living areas) and a night zone (bedrooms).

DUCTED AIR-CONDITIONING ELECTRIC OPTION

These systems are ideal if you do not have gas available, or if cooling capacity or roof height (low clearance) are non-standard. A ducted system provides air conditioned comfort to new and existing homes. The indoor unit is usually located in the ceiling or under the floor with flexible ductwork distributing conditioned air through vents located throughout the house, where as, the compressor is installed outside the home.

Ducted systems can be designed to operate in two or more zones, which can be heated or cooled at different times. This means you can operate your air conditioning system in the living area during the day and in the bedrooms at night.

DUCTED AIR-CONDITIONING

GAS OPTION

if you are looking to both cool and heat your home, than installing a ducted heating unit with the optional add-on air-conditioning facility would be ideal- you only have one outlet for both heating and cooling a room!

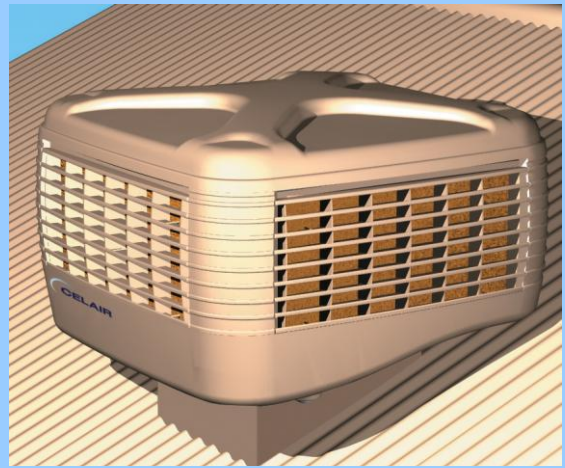
If you already have ducted heating, you may be able to add-on an electric ducted air-conditioning unit using the same thermostat control you already have to operate both your heating and cooling, and importantly using the same ducting.

Benefits of combining ducted and add-on cooling :

- Air conditioning delivers highly efficient refrigerated cooling through the same system as your ducted heating. Which means you can have complete climate control all year with:
- Controllable air circulation throughout the comfort zones of your home. Filtered air, which helps to maintain a cleaner environment inside your home (air filters must be fitted).
- Gas heating that provides constant warm air throughout even the coldest days/nights. Refrigerative cooling that provides constant cool air, while also reducing humidity, during uncomfortably hot days/ nights.
- Whisper-quiet operation.
- Single ductwork for an integrated heating and cooling system.



Be sure to obtain advice from a professional within the industry as the correct size of the cooling unit requires a formal calculation method taking variables into consideration. Getting it right the first time will save you thousands not only initially but also in long term running costs



Benefits of Evaporative Cooling:

- Fantastic for family situations
- No more hot sleepless nights.
- Low energy use and low running costs
- No recycled air, removing cooking odours and smoke.
- Simply turn on your fan and you can remove stale air from your home in the middle of winter, too.

EVAPORATIVE COOLING (EC)

Ducted evaporative cooling comprises a central cooling unit, which is connected to a series of outlets. Positioned strategically throughout the house, these outlets, or ducts, are installed in the ceiling while the cooling unit is installed on top of the roof. Cool fresh air (sea breeze) flows through these outlets into every room of your home.

Unlike refrigerated cooling which requires you to keep doors and windows closed to maintain a cooler temperature, evaporative cooling requires you to leave your doors and windows open to expel moist air. This is great news if you have children who are constantly running in and out of the house! They are generally more suitable for areas where humidity is low.

Today's units come in a range of colours now to suit homes roof so as to blend in more with your home.

MULTI SPLIT AIR CONDITIONING UNITS

Multi splits systems can air condition multiple rooms (up to seven) using only the one outdoor unit. These systems are best used when there is limited outdoor space or where there is not enough ceiling space to install ducted air conditioning. Using a multi split system means that you have control over the air conditioning in each room, saving you money in running costs and minimizing wastage.

SPLIT SYSTEM AIR CONDITIONERS

Split systems can be wall, floor or under ceiling mounted, depending on the space where they are being installed (floor mounted systems are usually only used when the wall hung system is not feasible). Inverter systems are more energy efficient than non-inverter units which operate at a fixed speed. An Inverter has a more advanced technology that operates differently. It works like the accelerator of a car, gently increasing or decreasing power; thus providing significant savings on running costs. It reaches the desired temperature quicker and steadily maintains it without wild fluctuations. Hybrid systems are a combination of both, however the system uses the inverter technology to main temperature without wild fluctuations.

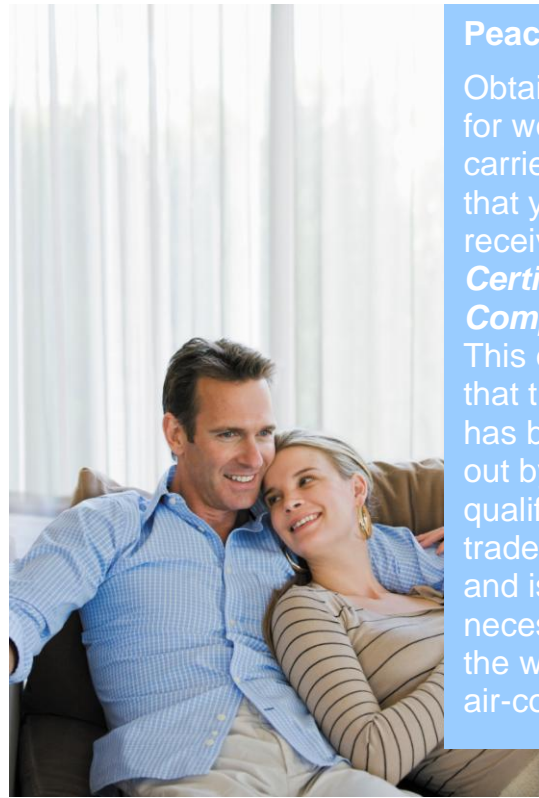
WALL MOUNTED UNITS

A wall mounted system consists of two components, one inside the home and one out, with the components being connected by refrigerant piping. These systems are available as reverse cycle or cooling only and range in power from 2kW to 10kW. Generally, 2kW to 5kW air conditioners are suitable for small to medium sized areas, while 5kW to 10kW air conditioners are suitable for larger areas.



*“Sleek,
smooth and
whisper
quiet”.*

Ask about
“air filtration”
some split
systems are
approved by
the Asthma
foundation



Peace of mind!

Obtain a quote for work being carried out and that you have received a **Certificate of Compliance**. This ensures that the work has been carried out by a qualified tradesperson and is necessary for the warranty of air-conditioner.

INSTALLING AIR-CONDITIONING

Woodpecker is one of the few Heating and Cooling businesses who actually have their own certified plumbers and installers on staff.

This is an important fact in our customers' peace of mind in that if there is a query it is Woodpecker they contact and who will tend to it. Our customers don't have to source trades people and chase them if concerns arise.

We give a guaranteed six-year compliance certificate on works carried out. We can organise and oversee other trades such as painters, carpenters, electricians on contacted jobs if required. Working directly with the sales team communication is key and avoids unnecessary errors.

Qualified and accredited our installers are professional and have been installing heating and cooling as a concentrated career. They know heating and cooling – no guess work!

Woodpecker installers are such a trusted name in the community we mostly carry out works in homes where our customers aren't even there, are away or it's even their second residence.

Our installations teams are neat well presented, prepared and courteous, we treat your home with the same respect as our own.

www.woodpecker.com.au

1300 136 564