

# RESIDENTIAL AIR CONDITIONING



Selecting the most affordable and reliable way to air condition your home just got easier. Call on a Haden Consultant to design the right solution for your home.

AIR CONDITIONING  
& MECHANICAL  
ENGINEERING

**HADEN**  
EXPERTISE • COMMITMENT • RESULTS

**NORFOLK**   
INTEGRATED ENGINEERING

# MAKING THE RIGHT CHOICE FOR YOUR HOME AND THE ENVIRONMENT



## MAKING THE RIGHT CHOICE FOR YOUR HOME, AND THE ENVIRONMENT

When you and your family members are deciding on the right air conditioning for your home it can be daunting. There is no one-size-fits-all solution. Should you use a split system or a cassette? Or maybe ducted air conditioning is the right choice for you?

Your local Haden Consultant can determine the optimum size air conditioning unit for your home by studying the many factors that determine your cooling requirements:

- the direction your home faces, window locations and sizes
- floor space, insulation and local climate conditions
- heat generating appliances and the number of people regularly using a space
- even the amount of shade provided by trees to the exterior of your house.

All of our solutions are designed with environmental efficiencies in mind, playing our part in reducing emissions and our impact on the environment.

## THE UNIT IS ONLY 40% OF THE SOLUTION

The motor and the ducting of the air conditioning unit is like the engine of your car – without it, you go nowhere. And if it is not well maintained, it will cost you more to run. The unit you choose is only part of the solution.

Haden employs only trained air conditioning technicians who understand the importance of airflow, distribution, temperature and configuration of the most suitable unit for your needs.

Unlike retail sales staff, our technicians gain their experience in the field, not in the store. They know that the brand of unit should be the final choice you need to make, not the first.

## WHICH SYSTEM SHOULD I CONSIDER?

Haden has the buying power to guarantee you a competitive price on your solution. Our independence guarantees we will select the best of the leading brands to suit your requirements, not ours.

The type of solution depends not only on the area you are cooling, but your ceiling and floor access and a suitable area to locate the motor.



## COOLING A BEDROOM

If you only have one bedroom to cool, a Split System is the best option for you. It is the cheapest system to run per square metre, and is easy to install and maintain. Split Systems are probably the most common air conditioners used in Australia. The evaporator is mounted high on the inside wall, while the motor is outside the building. Split Systems are very efficient for most rooms and are great for bedrooms.

You will be looking for a whisper quiet operation with a thermostat to ensure that a constant temperature is maintained while you sleep.

Preset directional airflow allows you to direct the air so that it is evenly distributed around the room to cool it more effectively, whilst not directly blowing the air onto your body.

## COOLING LIVING AREAS AND OTHER ROOMS

This is where the options open up considerably, depending on the types of areas and number of rooms you want to cool.

If you have only a living area to cool, a split system or cassette is a good option. If you want to cool a number of areas, for example, living, dining and rumpus area, you may need two split systems or cassettes.

Cassettes are best used for larger areas, like living areas, where additional cooling is required. Mounted in the ceiling, they are unobtrusive and can be configured to direct the air in up to four directions to maximise the cooling area. The motor is mounted on the outside of the building to minimize noise disturbance.

Retail sales people will direct you towards buying 2 or more Split System units because that is usually the only type of unit that they sell. However, in some cases this could be a more costly and less effective option.

The cost of a ducted system is comparable to the installation and running costs of between 2 to 3 Split System units, and much less obtrusive. It also gives you the option of cooling other areas of the house.

Multi-split systems allow you to run multiple indoor split system units off one outdoor motor, and are ideal where ducted air conditioning is not an option. These can be a little more expensive to purchase due to the larger motor required to run the units.



HADEN, GET THE  
JOB DONE RIGHT  
THE FIRST TIME

## COOLING THE ENTIRE HOUSE

Ducted cooling is the smart choice for cooling a number of rooms or the entire house.

Vents are installed in walls, ceilings or floors, depending on the type of building. The unit is an all-in-one unit that is usually placed outside the building, resulting in very quiet, efficient cooling that can be zoned to individual areas or the entire house at different times.

Zoning allows you to cool the rooms as you use them. Living areas can be cooled during the day when the family are taking shelter inside from the heat. Bedrooms can be zoned to cool just before you are ready to go to bed and continue throughout the night. Thermostats and automatic controls allow you to programme your air conditioning so that you use it only when you need it.

Smaller houses don't really achieve any cost savings through zoning. It is important to discuss this with your Haden consultant.



## MAINTENANCE

Regular maintenance of your air conditioning will reduce noise, damaging water leaks, maintain air quality and extend the life of the unit. That is why Haden recommend AerisGuard to ensure the ongoing air quality of the unit.

We can also tailor a maintenance schedule to suit your personal requirements.

## SERVICE AND WARRANTY

At Haden, we recommend only recognised brands with full warranties and spare parts inventories. Brands that we know are reliable and can be serviced quickly and efficiently. That's because we deliver a comprehensive range of maintenance and repair services across Australia, 24 hours a day, 7 days a week.

We need to be certain we can deliver on our commitment to you – our most important priority.

## ONGOING SUPPORT

Contact our Customer Service team today to arrange for a Haden Consultant to design a solution for your home: Australia - **1300 4 HADEN** | New Zealand - **0800 STAY COOL**



## HELPING YOU MAKE THE RIGHT CHOICE



AREA	SPLIT	CASSETTE	MULTI-CASSETTE	DUCTED
One bedroom only	X			
One bedroom unit	X			
Two to three bedroom unit	X	X		
Living area	X	X		
Combination living/dining	X	X		
Living/dining/rumpus area	X	X	X	X
Whole house	X	X	X	X

## UNIT SIZE

AREA SIZE	UNIT SIZE
14 m2	2kw or 7000 btu
17 m2	2.7kw or 9000 btu
22 m2	3.5kw or 12000 btu
33 m2	5.3kw or 18000 btu
41 m2	6.5kw or 22000 btu
55 m2	8.5kw or 30000 btu

### Australia

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### New Zealand

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 Norfolk Mechanical & Electrical Ltd, trading as Haden



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