



The best air anywhere.

Is it time to replace
YOUR DUCTED SYSTEM?



Is it time to REPLACE?

There's no denying that having an air conditioner makes life so much more comfortable when you're battling the harsh Australian climate. Even in the hottest days of summer and the coldest days of winter, having a reliable unit can ensure that you're comfortable all year round.

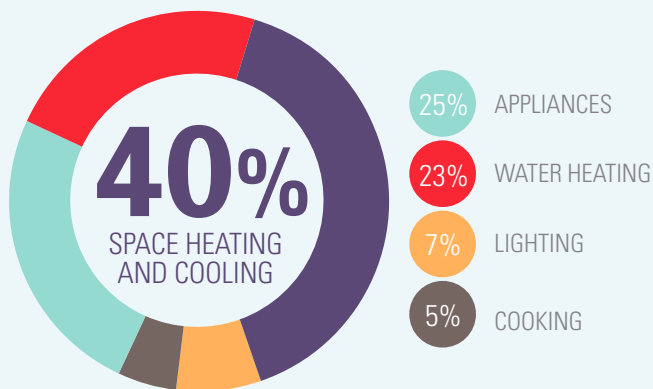
However, there comes a time when your trusty old air conditioner just doesn't perform as well as it once did.

Excessive noise, costly repairs, unusually high energy costs and uneven cooling/heating are some signs that your air conditioning unit might be on the way out.

When heating and cooling your home can amount up to

40% OF YOUR ANNUAL ENERGY BILL¹

You may want to consider replacing your old air conditioner.



It's time to replace...

- ✓ Excessive noise
- ✓ Costly repairs
- ✓ Unusually high energy costs
- ✓ Uneven cooling/heating

¹Source: Energy Rating - Space Heating and Cooling
(www.energyrating.gov.au/products/space-heating-and-cooling)



AVERAGE *running costs*

Our Research and Development team compared the average running costs of an old Daikin ducted system model and Daikin's current Premium Inverter ducted system.

This comparison was based on delivering identical running times from both options and then calculating the running costs.

OLD DAIKIN



NEW DAIKIN



SAVING
25%

UNIT SPECS

Model **FDY125FV1B / RY125KUY1**

| CALCULATIONS | COOLING | HEATING |
|--|-----------------|-----------------|
| Output | 12.96 kW | 13.63 kW |
| Output over 200 hours | 2592 kW/h | 2726 kW/h |
| Input | 5.72 kW | 5.51 kW |
| Electricity consumption over 200 hours | 1144 kW/h | 1102 kW/h |
| Electricity cost | 27.005 c kW/h | 27.005 c kW/h |
| TOTAL COST | \$308.94 | \$297.60 |

UNIT SPECS

Model **FDYQ140LBV1 / RZQS140AV1**

| CALCULATIONS | COOLING | HEATING |
|--|-----------------|-----------------|
| Output | 14.0kW | 16.5 kW |
| Output over 200 hours | 2800 kW/h | 3300 kW/h |
| Input | 4.13 kW | 4.29 kW |
| Electricity consumption over 200 hours | 826 kW/h | 858 kW/h |
| Electricity cost | 27.005 c kW/h | 27.005 c kW/h |
| TOTAL COST | \$223.06 | \$231.70 |

Electricity tariffs based on NSW Ausgrid / Origin Supply Domestic offers in September 2016. FDYQ140 selected to provide equivalent capacity to 2000 model FDY125. Rated values on FDY125FV1B / RY125KUY1 at 13.5kW adjusted by 4% to likely actual value of 12.96kW. Prior to the Minimum Energy Performance Standards (MEPS) regulations, there was some performance overstating by the market. Rated Capacity on FDYQ140LBV1 / RZQS140AV1 (inverter) was reduced to match capacity of 2000 model.

The good news is advances in Daikin's air conditioning technologies have greatly improved energy efficiency.

INVERTER TECHNOLOGY

An advanced fan motor technology which allows the unit to operate more efficiently than other models. This technology enables the desired temperature to be reached faster, and steadily maintains the temperature without fluctuations.

DC INDOOR FAN MOTOR

Daikin indoor units are equipped with a variable speed 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.

AUTOMATIC MODE CHANGEOVER

Automatically selects heating and cooling modes to suit thermostat settings and the current room temperature.

PREDICTED MEAN VOTE (PMV) CONTROL

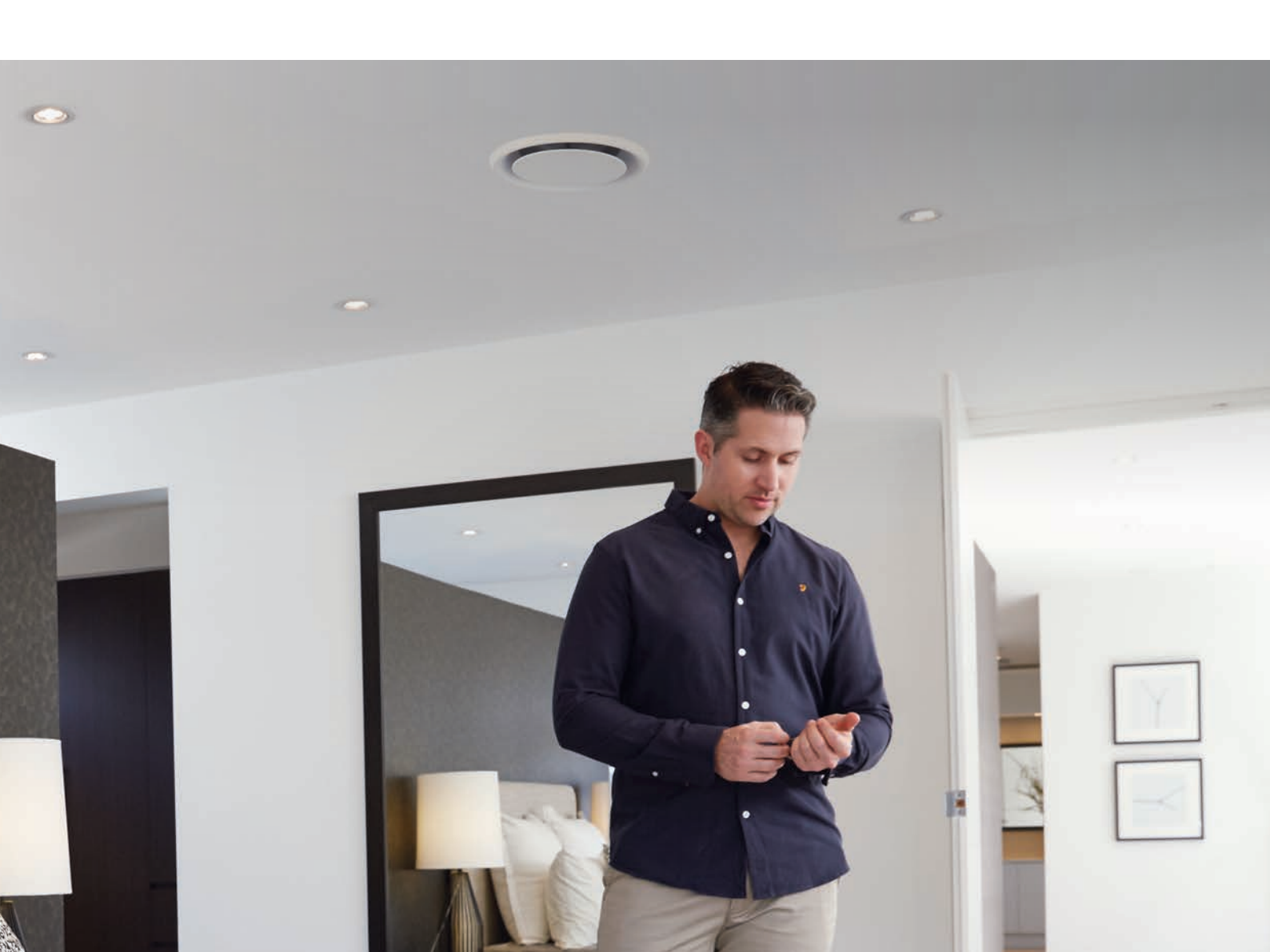
Measures the indoor and outdoor temperatures to calculate the ideal room temperature and gently adjusts it for optimum balance between efficiency and comfort.

TEMPERATURE LIMIT OPERATIONS

Lets you pre-define the temperature range for both heating and cooling 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.



What's more ... you'll enjoy all these other benefits with a Daikin.



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).



INTELLIGENT DEFROST

During heating operation in low ambient temperature conditions, frost can form on the outdoor unit heat exchanger which can reduce your air conditioners performance. Daikin'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.



24 HOUR ON/OFF TIMER

The timer can be preset to start and stop at any time within a 24-hour period.



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 eliminates cold drafts.



QUICK COOL/HEAT - POWERFUL MODE

If you need to heat the room quickly, powerful mode maximises power for 20 minutes, before automatically returning the unit to the original setting.



SMART PHONE CONTROL (Optional)

Allows you to monitor and control your system from virtually anywhere.

SAVE UP TO 25%
ON YOUR DUCTED AIR CONDITIONER
RUNNING COSTS



R22 RETROFIT CAPABILITY

ONLY available with a Daikin Premium Inverter

The Daikin Premium Inverter 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 way of upgrading an existing system that may be towards the end of its useful operating life.

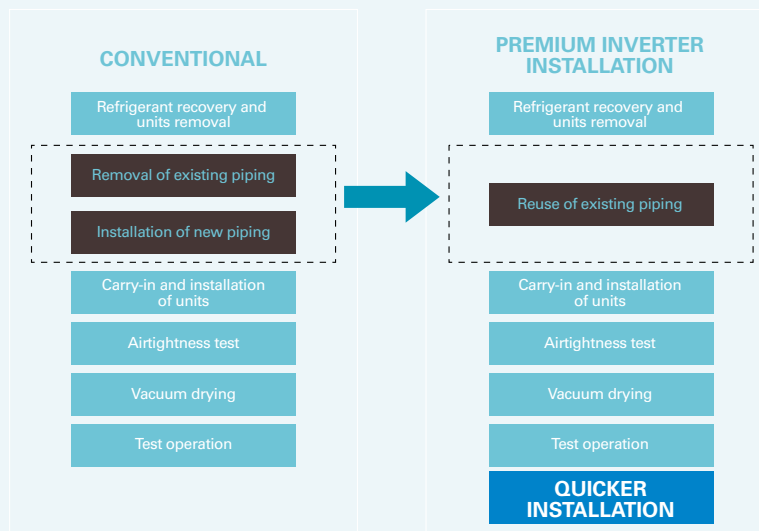
The Daikin Premium Inverter Series is equipped with three unique technologies that enable its R22 retrofit capability.

These are:

1. Inclusion of acid neutralising agents to counteract any residual chlorine ions that may impact system reliability
2. Reinforced Electronic Expansion Valve to strengthen its corrosion resistance qualities
3. Re-designed accumulator to effectively capture any residue that may impact on compressor reliability



RETROFIT PROCESS



ASSESSING RETROFIT SUITABILITY

Prior to undertaking a changeover of an existing R22 system, the following considerations must be taken into account by the Daikin specialist dealer:*

- ✓ Does the existing pipe size and wall thickness meet guidelines?
- ✓ Check pipe lengths and the condition of the piping
- ✓ Is the existing system operational? Can it operate in cooling mode?
- ✓ Can the existing system perform a pump down operation?
- ✓ Has the compressor experienced a prior failure?
- ✓ Is the system contaminated?

*Strict guidelines apply. Please speak to a Daikin representative for more information.

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