

Ducted air conditioner



Your comfort zone.

kaden°
intuitive air

www.kadenair.com.au

The comfort zone

Kaden ducted air conditioners.

**Creating the ideal climate in different rooms
throughout your home is essential for your
family's comfort.**

Whether it's a sweltering summer day or an icy winter morning, Kaden ducted air conditioners allow you to regulate your home's temperature effortlessly. This makes it the air conditioner for all seasons. Designed specifically for Australian conditions, these units deliver enduring performance matched with whisper quiet operation. Made to last, every Kaden ducted air conditioner comes with a full 5-year domestic warranty. All of these features make Kaden the perfect choice for versatile living.



Product quality guarantee

Kaden ducted air conditioners offer a 5-year domestic warranty. See page 11 for further details.



Kaden Ducted Air Conditioner

What is a Kaden ducted air conditioner?

Designed to efficiently cool or heat an entire home, Kaden ducted reverse cycle air conditioners comprise of an indoor and outdoor unit. The indoor unit is located inside your roof and the outdoor unit can be positioned in a convenient location outside your home. These two units work together to generate cool or warm air. They are connected by piping that carries refrigerant needed to cool or heat the air.

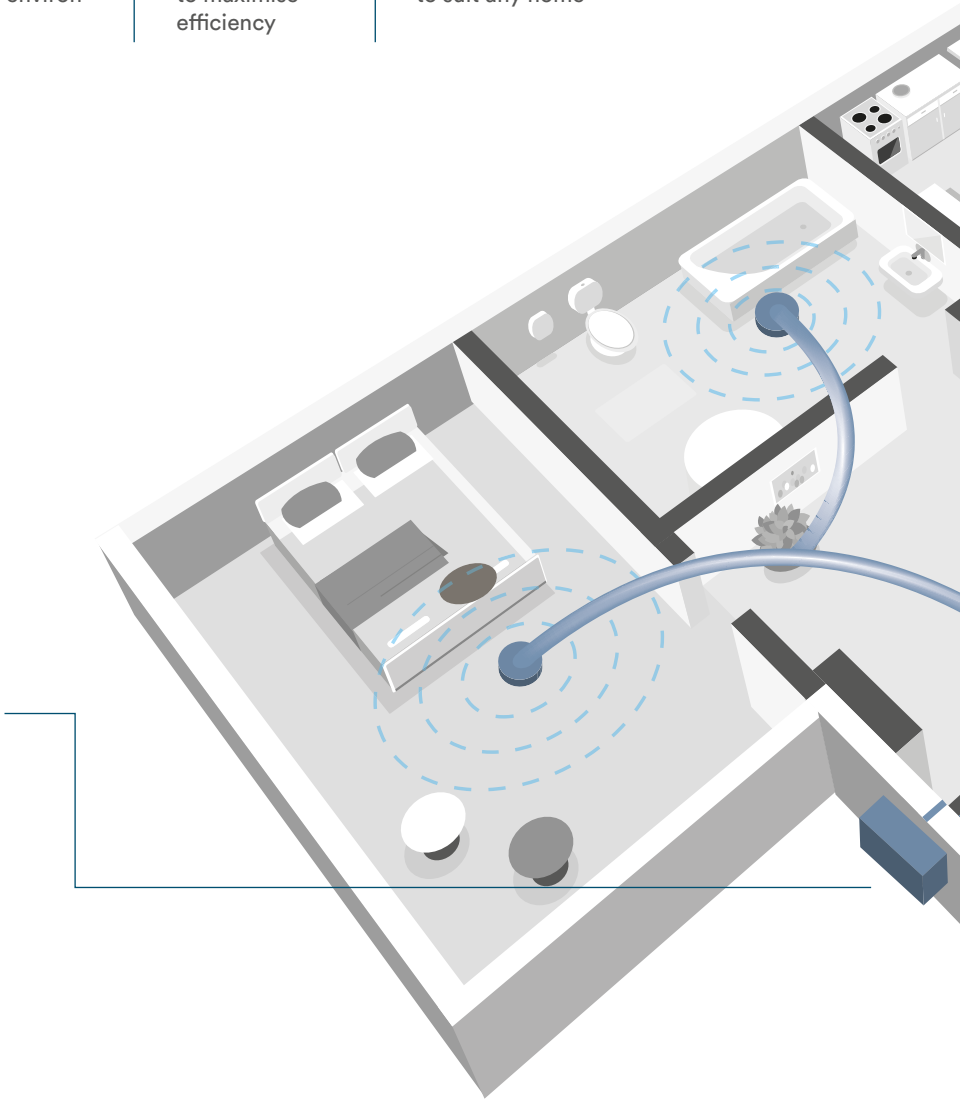
The temperature and other settings are controlled by a wall mounted Kaden controller.

Benefits of ducted air conditioners

- | | | | |
|-----------------------------|------------------------------------|---------------------------------------|-------------------------------------|
| > Cool/heat an entire house | > Works well in humid environments | > Can be zoned to maximise efficiency | > A range of sizes to suit any home |
|-----------------------------|------------------------------------|---------------------------------------|-------------------------------------|



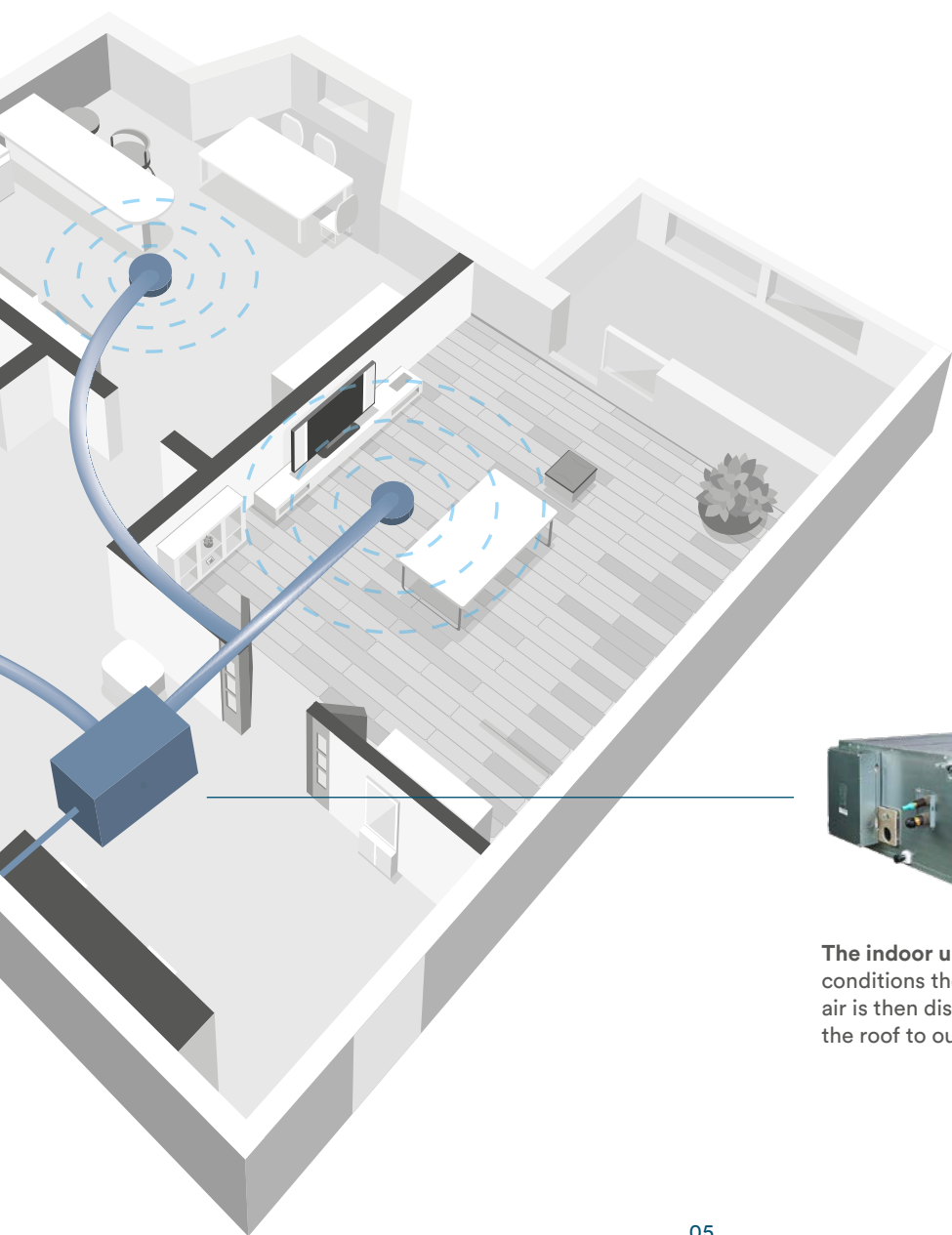
The outdoor unit contains a compressor which initiates the cooling or heating process, it also has a outdoor coil and a fan.



KD Series

Key Features

The KD series of ducted air conditioners offer the ideal heating and cooling solution for your home. Incorporating the latest technology, the KD ducted series provides quiet operation in any environment. Working in ambient temperatures ranging from -15°C to 50°C, the KD series is perfect for the Australian environment.



The indoor unit has a fan coil which conditions the supplied air, this conditioned air is then distributed through ducting in the roof to outlets in ceiling or walls.

Features and Benefits



Comfort

Feature	Description
Automatic operation	The unit will automatically select heating or cooling mode based on the current room conditions and set temperature.
Turbo mode	Provides a boost in cooling or heating power for a period of time, this allows you to reach your desired temperature quickly.
On / Off function	The unit can be set to start and /or stop at a specified time.
Weekly timer	Set your unit to turn on and off at specific times for each day of the week.
Anti cold air function	Prevents cold air from blowing out to avoid discomfort when heating mode is started.



Energy Saving

Feature	Description
DR function	Feature to enable power provider to reduce compressor speed to reduce energy consumption during periods of extreme demand. This function is disabled unless an agreement exists with your power supplier.
Auto temperature set	Allows a set preferred temperate that the unit will return to each time it is turned on.



Airflow

Feature	Description
Automatic fan speed	The unit will monitor the temperature in the room and adjust fan speed accordingly to reach the temperature quickly and efficiently.
Eccentric fan design	New eccentric fan design improves the airflow at the air outlet, resulting in better performance.



Maintenance

Feature	Description
Easy servicing	The 7.0kW indoor unit is easily accessible from the bottom only. The 10.0kW-17.0kW is easily accessible from the top and the bottom.
Built-in drain pump	Offering a built in drain pump allowing more flexibility with installation.
Self diagnostics	If there is a part failure the unit will switch off automatically to protect your air conditioner. An error code will appear to assist with a fast and easy fix.
Auto defrosting	Prevents the evaporator from freezing in low temperature environments.

Features	7.0kW	10.5kW	13.0kW	14.5KW	17.0kW
Manual external static pressure setting	✓	✓	✓	✓	✓
Automatic external static pressure setting	✓	✓	✓	✓	✓
Wired controller	✓	✓	✓	✓	✓
Wireless controller (optional)	✓	✓	✓	✓	✓
Automatic fan speed	✓	✓	✓	✓	✓
Outside air intake	✓	✓	✓	✓	✓
Filter	✓	✗	✗	✗	✗
Self diagnostics	✓	✓	✓	✓	✓
Improved serviceability	✗	✓	✓	✓	✓
Built in drain pump	✓	✓	✓	✓	✓
Turbo operation	✓	✓	✓	✓	✓
Automatic operation	✓	✓	✓	✓	✓
Weekly timer	✓	✓	✓	✓	✓
Slim design	✓	✗	✗	✗	✗
Auto restart function	✓	✓	✓	✓	✓
Anti-cold air function	✓	✓	✓	✓	✓
Auto defrosting	✓	✓	✓	✓	✓
Independent dehumidification	✓	✓	✓	✓	✓
MyZone 3	✓	✓	✓	✓	✓
DR function	✓	✓	✓	✓	✓

Product Specifications

			7.0kW
Power supply	PH - V Hz		1 Ph - 220-240V - 50Hz
Capacity	Cooling	kW	7.0 (2.8-8.4)
	Heating	kW	8.0 (3.0-9.0)
Input	Cooling	kW	2.12 (0.64-2.55)
	Heating	kW	2.40 (0.90-2.90)
EER	Cooling		3.30
COP	Heating		3.33
Sound pressure level	Indoor (Turbo, High, Medium, Low)	dB(A)	Turbo: 48
			Hi: 45
			Med: 41
			Low: 38
	Outdoor	dB(A)	58
Sound power level	Outdoor	dB(A)	69
Airflow (Turbo, High, Medium, Low)		l/sec	Turbo: 486
			Hi: 389
			Med: 319
			Low: 272
External static pressure		Pa	0-160
External dimensions (H x W x D)	Indoor	mm	248 × 1100 × 720
	Outdoor	mm	810 × 946 × 410
Net weight	Indoor	kg	31
	Outdoor	kg	61
Refrigerant piping	Liquid line	mm (inch)	9.52 (3/8")
	Gas line	mm (inch)	15.90 (5/8")
	Connection		Flare Connection
Refrigerant	Type		R410A
	Quantity	kg	3.35
	Precharged length	m	30
Maximum pipe length		m	50
Maximum pipe height		m	25
Supply air connection		mm	926 × 175
Return air connection		mm	1001 × 228
Drain pipe		mm	OD 25
Outdoor operating range	Cooling	°C	-15 to 50
	Heating	°C	-15 to 24

Kaden ducted air conditioner



OUTDOOR UNIT



INTERNAL UNIT



CONTROLLER

10.5kW	13.0kW	14.5KW	17.0kW
1 Ph - 220-240V - 50Hz	1 Ph - 220-240V - 50Hz	1 Ph - 220-240V - 50Hz	1 Ph - 220-240V - 50Hz
10.5 (4.2-12.5)	13.0 (5.0-15.5)	14.5 (5.6-16.5)	17.0 (6.8-19.5)
10.5 (4.2-12.5)	15.0 (5.0-19.0)	17.0 (5.8-20.0)	17.5 (7.0-21.0)
3.18 (1.25-3.80)	3.79 (1.15-4.55)	4.25 (1.29-4.25)	5.16 (1.56-5.95)
3.18 (1.25-3.80)	3.90 (1.50-5.70)	4.50 (1.70-6.20)	4.60 (2.05-6.25)
3.30	3.43	3.41	3.29
3.30	3.85	3.78	3.80
Turbo: 42	Turbo: 53	Turbo: 53	Turbo: 54
Hi: 40	Hi: 49	Hi: 49	Hi: 49
Med: 37	Med: 46	Med: 45	Med: 46
Low: 35	Low: 42	Low: 42	Low: 42
61	62	62	62
70	71	71	71
Turbo: 750	Turbo: 1,028	Turbo: 1,042	Turbo: 1,194
Hi: 597	Hi: 903	Hi: 917	Hi: 1056
Med: 486	Med: 764	Med: 792	Med: 889
Low: 361	Low: 639	Low: 653	Low: 819
0-200	0-200	0-200	0-200
380 × 1200 × 625	380 × 1200 × 625	380 × 1200 × 625	440 × 1400 × 858
810 × 946 × 410	1333 × 952 × 415	1333 × 952 × 415	1333 × 952 × 415
53	54	54	75
69	100	116	116
9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
15.90 (5/8")	15.90 (5/8")	15.90 (5/8")	19.00 (3/4")
Flare Connection	Flare Connection	Flare Connection	Flare Connection
R410A	R410A	R410A	R410A
4.25	4.95	5.35	5.35
30	30	30	30
65	65	65	65
30	30	30	30
1000 × 253	1000 × 253	1000 × 253	1188 × 385
1145 × 342	1145 × 342	1145 × 342	1188 × 385
OD 25	OD 25	OD 25	OD 25
-15 to 50	-15 to 50	-15 to 50	-15 to 50
-15 to 24	-15 to 24	-15 to 24	-15 to 24

Controllers

Controlling your Kaden

Kaden Controller:

Each Kaden ducted air conditioner comes with the Kaden controller as standard.

Features:

- > Easy to read back lit display
- > Weekly timer schedule
- > Turbo mode operation
- > Child lock



Zone Controller (optional upgrade)

Kaden is also compatible with the zoning solution Myzone 3, which gives you the ability to have precise control over each room individually. When your ducted air-conditioner is controlled by the Myzone 3, it gives you the ability to zone your house and direct the airflow to only the rooms you require.



- > One device to control temperature and zones: Offers simplicity for the homeowner.
- > Wi-Fi: Control temperature from anywhere i.e. on the way home on a hot day or from your couch.
 - > Reliability: Less call backs for the contractor.
- > Ease of use and ease of install.
 - > Compatible with most major brands.

Peace of mind.

Warranty

Kaden is committed to total customer care, so you'll enjoy market-leading warranties and ongoing after-sales support. The Kaden range offers a 5-year warranty on parts and labour for residential and light commercial.



**Residential & Commercial
Parts & labour**



**Non-human comfort
Parts & labour**



For more information go to
kadenair.com.au



www.kadenair.com.au