



# Connect to comfort.

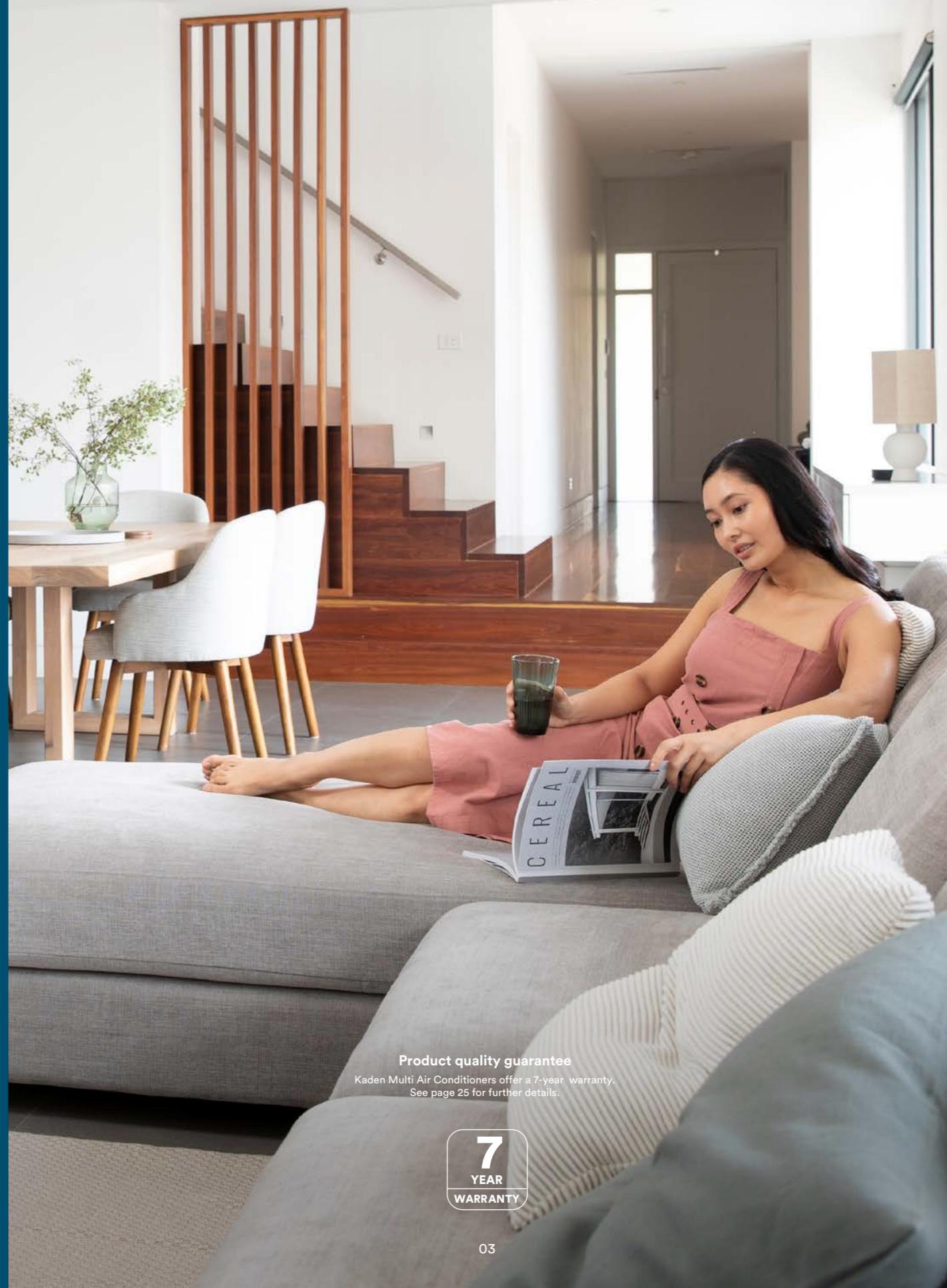
**kaden°**  
your perfect climate

[kadenair.com.au](http://kadenair.com.au)

# Kaden KM Multi Air Conditioner

Optimal home comfort doesn't have to come at the expense of space. The Kaden Multi offers the perfect solution for residential or light commercial environments.

A single outdoor unit can easily be connected to up to 6 indoor units including ducted air conditioners, cassettes and wall mounted air conditioners – allowing for perfect climate control throughout different rooms.



#### Product quality guarantee

Kaden Multi Air Conditioners offer a 7-year warranty.  
See page 25 for further details.





## Kaden Multi. Do more with less.

Connect up to six indoor units to one single outdoor unit.



Select your own unique combination of wall mounted, cassette and ducted air conditioners.



Up to 80m of pipe length between outdoor and indoor units and 25m per indoor unit.



Durable and designed for Australian conditions

# Compatibility Guide

| Model | Number of indoor units that can be connected | Min connection capacity kW | Max connection capacity kW |
|-------|--|----------------------------|----------------------------|
| KM18  | 1-2  | 3.5                        | 7.0                        |
| KM24  | 1-3  | 5.0                        | 10.2                       |
| KM28  | 1-4  | 5.0                        | 11.3                       |
| KM46  | 1-5  | 7.0                        | 17.6                       |

| Model | Number of indoor units that can be connected | Min connection capacity kW | Max connection capacity kW |
|-------|--|----------------------------|----------------------------|
| KM48  | 1-5  | 7.0                        | 20.0                       |
| KM60  | 1-6  | 8.0                        | 23.0                       |

# Outdoor & Indoor Unit Combinations

| Model | Wall Mounted KSI |                 |     | Ducted KMD |             | Cassette KMC |
|-------|------------------|-----------------|-----|------------|-------------|--------------|
|       | Capacities (kW)  | 2.0/2.6/3.5/5.0 | 7.0 | 7.6        | 2.6/3.5/5.0 | 7.0          |
| KM18  | ✓                | ✗               | ✗   | ✓          | ✗           | ✓            |
| KM24  | ✓                | ✗               | ✗   | ✓          | ✗           | ✓            |
| KM28  | ✓                | ✓               | ✓   | ✓          | ✓           | ✓            |
| KM46  | ✓                | ✓               | ✓   | ✓          | ✓           | ✓            |
| KM48  | ✓                | ✓               | ✓   | ✓          | ✓           | ✓            |
| KM60  | ✓                | ✓               | ✓   | ✓          | ✓           | ✓            |

# Kaden Multi Outdoor Unit

## One unit to control them all

The Kaden KM multi outdoor unit is the control centre behind this impressive system. It incorporates the latest smarts including Inverter Quattro technology to deliver the precise amount of refrigerant and energy to each indoor unit achieving efficient and effective climate control. Designed for ease of installation, the KM outdoor unit features a low-profile single fan design and up to an 80m system pipe run range, making it the ideal choice of homes, apartments and light commercial applications.

### Key features:



Designed for easy installation and servicing



Uses low GWP R32 refrigerant



Compact design



Up to 80m of pipe length provided



### Gold fin protection

An anti-corrosive gold nano-coating that improves durability and improves heat transfer.

### Flexible installation options

The outdoor unit can be conveniently positioned to connect up to 6 indoor units.

**kaden°**

### Inverter Quattro Technology

Precise control of refrigerant delivers savings up to 30% on energy consumption.

# Product Specifications



KM18/KM24 OUTDOOR UNIT



KM28/KM46/KM48 OUTDOOR UNIT



KM60 OUTDOOR UNIT

|   |                               | KM18        | KM24                          | KM28                          | KM46                           | KM48                           | KM60                           |
|---|-------------------------------|-------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Power supply  | PH-V-Hz                       |             |                               |                               | 1/220-240/50                   |                                |                                |
| Recommended Circuit Breaker                             |                               | A           | 16                            | 25                            | 25                             | 32                             | 32                             |
| Rated Current   |                               | A           | 12                            | 17.5                          | 19                             | 19                             | 30                             |
| Max Combined System Current (IDU = ODU) Cooling/Heating |                               |             | 6.81/6.65                     | 9.00/7.65                     | 10.26/9.31                     | 15.83/14.12                    | 17/16                          |
| Capacity  | Cooling (Range)               | kw          | 5.25 (0.9-5.7)                | 7.3 (1.7-9.7)                 | 8.5 (1.7-11.0)                 | 12.0 (1.7-12.3)                | 13 (2.6-14.6)                  |
|   | Heating (Range)               | kw          | 5.3 (1.9-5.7)                 | 7.3 (1.8-9.7)                 | 8.7 (1.8-11.5)                 | 12.0 (1.8-12.5)                | 13.5 (2.6-15.2)                |
| Input   | Cooling                       | W           | 1400                          | 2000                          | 2340                           | 3550                           | 3800                           |
|   | Heating                       | W           | 1300                          | 1720                          | 2100                           | 3150                           | 3300                           |
| Star Rating: Hot / Average / Cold                       | Cooling                       |             | 4/3.5/3.5                     | 4.5/3.5/3.5                   | 5.0/3.5/4.0                    | 4.0/3.0/3.0                    | 4/3.5/3.5                      |
|   | Heating                       |             | 3.5/3/2.5                     | 3.0/2.5/2.5                   | 3.5/2.5/2.0                    | 2.5/2.0/1.5                    | 3.5/3/2.5                      |
| EER   |                               |             | 3.75                          | 3.66                          | 3.63                           | 3.33                           | 3.42                           |
| COP   |                               |             | 4.08                          | 4.24                          | 4.14                           | 3.86                           | 4.09                           |
| Sound power level                                       | dBA                           | 59.4        | 65                            | 68                            | 72                             | 69.4                           | 71                             |
| Dimensions (H x W x D)                                  | mm                            | 554x805x330 | 673x890x342                   | 810x946x410                   | 810x946x410                    | 975x980x415                    | 1333x952x415                   |
| Net Weight  | kg                            | 34.6        | 48.1                          | 66.2                          | 75.9                           | 91                             | 110.6                          |
| Refrigerant Piping                                      | Liquid Line                   | mm (inch)   | Ø6.35mm (1/4") x 2            | Ø6.35 (1/4") x 3              | Ø6.35 (1/4") x 4               | Ø6.35 (1/4") x 5               | Ø6.35mm (1/4") x 5             |
|   | Gas Line                      | mm (inch)   | Ø9.52mm (3/8") x 2            | Ø9.52 (3/8") x 3              | Ø9.52 (3/8") x 3               | Ø9.52 (3/8") x 3               | Ø9.52mm (3/8") x 4             |
|   |                               |             |                               | Ø12.7 (1/2") x 1              | Ø12.7 (1/2") x 2               | Ø12.7mm (1/2") x 2             | Ø12.7mm (1/2") x 2             |
|   | Adaptors                      |             | 9.52mm (3/8") - 12.7mm (1/2") | 9.52mm (3/8") - 12.7mm (1/2") | 9.52mm (3/8") to 6.35mm (1/4") | 6.35mm (1/4") to 9.52mm (3/8") | 6.35mm (1/4") to 9.52mm (3/8") |
|   |                               |             |                               |                               | 9.52mm (3/8") to 12.7mm (1/2") | 9.52mm (3/8") to 12.7mm (1/2") | 9.52mm (3/8") to 12.7mm (1/2") |
|   |                               |             |                               |                               | 12.7mm (1/2") to 9.52mm (3/8") | 12.7mm (1/2") to 15.9mm (5/8") | 12.7mm (1/2") to 15.9mm (5/8") |
|   |                               |             |                               |                               | 12.7mm (1/2") to 15.9mm (5/8") | 12.7mm (1/2") to 9.52mm (3/8") | 12.7mm (1/2") to 9.52mm (3/8") |
|   | Connection method             |             |                               |                               |                                | Flare Connection               |                                |
| Refrigerant   | Type                          |             |                               |                               |                                | R32                            |                                |
| Refrigerant   | Quantity                      | kg          | 1.25                          | 1.85                          | 2.4                            | 2.95                           | 4                              |
|   | Pre charged to pipe length    | m           | 20                            | 30                            | 40                             | 50                             | 50                             |
|   | Additional refrigerant charge | g/m         |                               |                               |                                | 12                             |                                |
| Pipe Length   | Max total system              | m           | 40                            | 60                            | 80                             | 80                             | 80                             |
|   | Max length to each IDU        | m           | 25                            | 30                            | 35                             | 35                             | 35                             |
|   | Min Pipe length               | m           |                               |                               |                                | 3                              |                                |
| Max Height Difference                                   | m                             |             |                               |                               |                                | 15                             |                                |
| Maximum capacity of indoor units allowable              | kW                            | 7.0         | 10.2                          | 11.3                          | 17.5                           | 20                             | 23                             |
| Operation Range   | Cooling                       | °C          |                               |                               | 0 to 50                        |                                |                                |
|   | Heating                       | °C          |                               |                               | -15 to 24                      |                                |                                |

# Kaden KSI Wall Mounted Air Conditioner

## Comfort all year round

Kaden KSI wall mounted air conditioners feature a compact, contemporary design that will fit discreetly into any home. The KSI comes compatible with Wi-Fi capabilities for effortless wireless control via the mobile app.

The KSI series comes in a variety of sizes making them ideal for any environment; apartments, bedrooms, or even larger living spaces.

### Key features:



Gold fin protection



High density filter



Wi-Fi included



3D Airflow



Multiple fan speeds



Sleep mode



### Active clean

Your KSI automatically washes away contaminants by freezing and thawing the frost on the heat exchanger, preventing mould and excess moisture build-up.

### Tri filters

Enjoy healthier air with a three-in-one filter that effectively breaks down harmful bacteria and odours.

### Follow me

The follow me feature ensures you have your perfect climate no matter where you are. Press the follow me button and your KSI will direct airflow towards the remote.

### ECO mode

Built for the energy-conscious, ECO mode reduces energy consumption by up to 60% compared to normal operation and lasts for 8 hours for a truly efficient system.

### Clean air function

Engages and energizes the ion generator, releasing nano ions which cleanse, disinfect and purify the air.

# Kaden KSI Wall Mounted Product Specifications



INDOOR UNIT

CONTROLLER

|  |                   |           | KSI06         | KSI09          | KSI12          | KSI18            | KSI24           | KSI28           |
|--|-------------------|-----------|---------------|----------------|----------------|------------------|-----------------|-----------------|
| Power supply                               | PH - V - Hz       | A         | 0.24          | 0.27           | 0.27           | 0.40             | 0.40            | 0.4             |
| Rated Current                              |                   | A         | 0.24          | 0.27           | 0.27           | 0.40             | 0.40            | 0.4             |
| Capacity                                   | Cooling           | kW        | 2.0           | 2.6            | 3.6            | 5.0              | 7.0             | 7.6             |
|  | Heating           | kW        | 2.3           | 2.7            | 4.0            | 5.2              | 7.5             | 8.5             |
| Input                                      | Cooling           | W         | 0.43          | 0.59           | 0.82           | 1.30             | 1.95            | 2.22            |
|  | Heating           | W         | 0.46          | 0.60           | 0.92           | 1.35             | 2.0             | 2.43            |
| Sound pressure level (Low, Med, Hi, Turbo) | Indoor            | dBA       | 25/30/32/38   | 25/30/32/38    | 24/30/33/39    | 28/34/38/44      | 29/33/39/45     | 30/34/39/45     |
| Airflow (Low, Med, Hi, Turbo)              |                   | l/sec     | 74/95/127/152 | 83/100/138/175 | 86/105/147/183 | 138/166/222/263  | 229/250/302/381 | 229/250/302/381 |
| Dimensions (H x W x D)                     | Indoor            | mm        | 729x200x292   | 729x200x292    | 802x200x295    | 971x228x321      | 1082x234x337    | 1082x234x337    |
| Net weight                                 | Indoor            | kg        | 8.0           | 8.5            | 8.5            | 11.1             | 13.3            | 13.3            |
| Refrigerant piping                         | Liquid line       | mm (inch) | Ø6.35 (1/4")  | Ø6.35 (1/4")   | Ø6.35 (1/4")   | Ø6.35 (1/4")     | Ø6.35 (1/4")    | Ø6.35 (1/4")    |
|  | Liquid line       | mm (inch) | Ø9.52 (3/8")  | Ø9.52 (3/8")   | Ø9.52 (3/8")   | Ø12.7 (1/2")     | Ø15.90 (5/8")   | Ø15.90 (5/8")   |
|  | Connection method |           |               |                |                | Flare connection |                 |                 |
| Operation Range                            | Cooling           | °C        |               |                |                | 0 to 50          |                 |                 |
|  | Heating           | °C        |               |                |                | -15 to 24        |                 |                 |

# Kaden KMD Multi Ducted Air Conditioner

## Discreetly integrated design

Kaden KMD ducted air conditioners allow you to effortlessly control your climate at the push of a button. The range features a new low-profile design and flexible installation options, making the KMD series ideal for small roof cavities and bulkhead applications.

### Key features:



Low profile  
bulkhead design



Built-In  
drain pump



Anti cold  
function



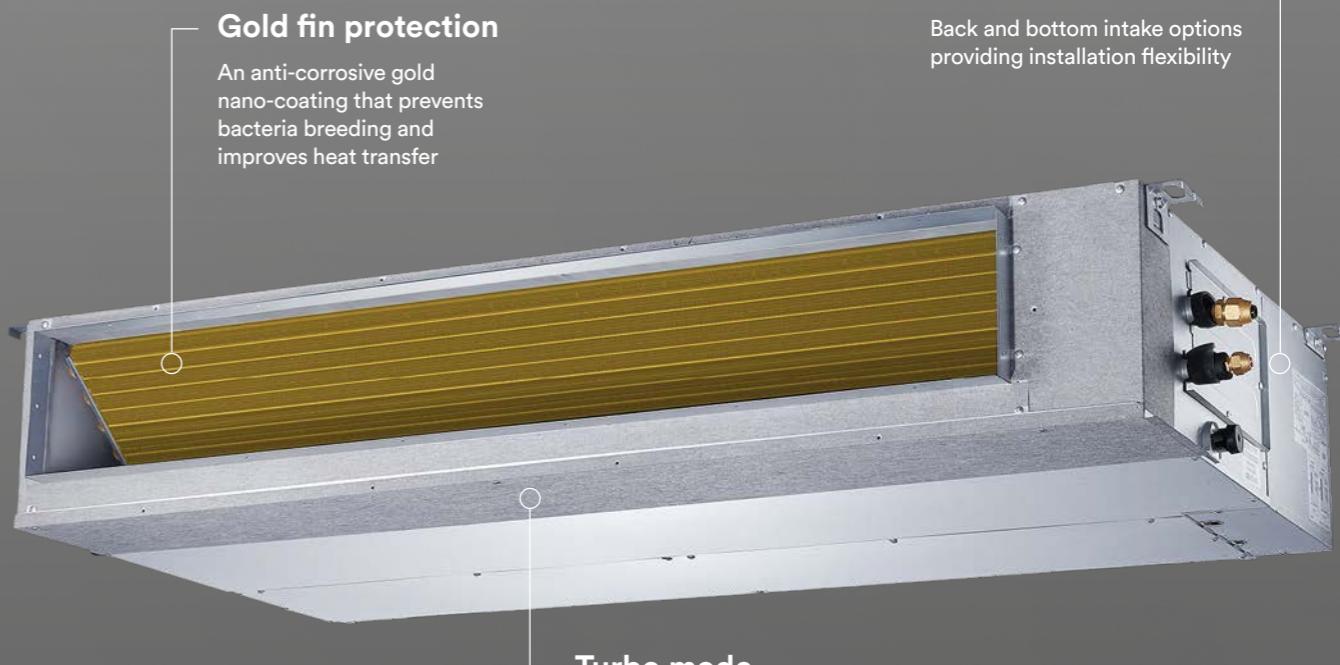
Optional fresh  
air inlet



Weekly timer  
function



Wi-Fi included



### Gold fin protection

An anti-corrosive gold nano-coating that prevents bacteria breeding and improves heat transfer

### Flexible air intake

Back and bottom intake options providing installation flexibility

# Kaden KMD Multi Ducted Air Conditioner Product Specifications



INDOOR UNIT



CONTROLLER

|                                     |                   |           | KMD09            | KMD12        | KMD18        | KMD24         |
|-------------------------------------|-------------------|-----------|------------------|--------------|--------------|---------------|
| Power supply                        | PH - V - Hz       |           | 1/220-240/50     |              |              |               |
| Rated current                       |                   | A         | 1.10             | 1.10         | 1.30         | 1.30          |
| Capacity                            | Cooling           | Kw        | 2.6              | 3.5          | 5.0          | 7.0           |
|                                     | Heating           | Kw        | 2.9              | 3.8          | 5.5          | 7.6           |
| Input                               | Cooling           | W         | 180              | 185          | 200          | 200           |
|                                     | Heating           | W         | 180              | 185          | 200          | 200           |
| Sound pressure level (Low, Med, Hi) | Indoor            | dBA       | 27/34/40         | 30/32/34     | 35/39/42     | 41/46/49      |
| Airflow (Low, Med, Hi)              |                   | l/sec     | 64/94/139        | 83/133/167   | 143/196/253  | 229/287/341   |
| Static pressure                     | Range             | Pa        | 0-40             | 0-60         | 0-100        | 0-160         |
| Dimensions (H x W x D)              | Indoor            | mm        | 200x700x450      | 200x700x506  | 210x880x674  | 249x1100x774  |
| Net weight                          | Indoor            | kg        | 18.0             | 18.0         | 24.4         | 32.3          |
| Drain pipe connection               |                   | mm        | OD25             |              |              |               |
| Refrigerant piping                  | Liquid line       | mm (inch) | Ø6.35 (1/4")     | Ø6.35 (1/4") | Ø6.35 (1/4") | Ø9.52 (3/8")  |
|                                     | Gas line          | mm (inch) | Ø9.52 (3/8")     | Ø9.52 (3/8") | Ø12.7 (1/2") | Ø15.90 (5/8") |
|                                     | Connection method |           | Flare connection |              |              |               |
| Supply air connection               |                   | mm        | 152 x 537        | 152 x 537    | 136 x 706    | 175 x 926     |
| Return air connection               |                   | mm        | 186 x 599        | 186 x 599    | 190 x 782    | 228 x 1001    |
| Operation Range                     | Cooling           | °C        | 0 to 50          |              |              |               |
|                                     | Heating           | °C        | -15 to 24        |              |              |               |

# Kaden KMC Cassette Air Conditioner

## The Versatile Choice

Kaden KMC cassette air conditioners offer the ideal heating and cooling solution for home or small office spaces. Featuring a compact design and the latest air conditioning technology, Kaden cassettes provide whisper quiet operation in any environment.

### Key features:



Gold fin protection



Anti-cold function



Weekly timer function



Wi-Fi included



Built-in drain pump



Designed for easy install and servicing



### Slim design

Smaller more compact design means less space required in the roof cavity.

### Optional fresh air inlet

Allowing clean fresh air to be drawn into the space.

### 360° airflow

The advanced grille design optimises airflow for fast, even movement of air. This ensures consistent, balanced room temperature with no cold or hot spots.

# KMC Cassette Air Conditioner Specifications



INDOOR UNIT



CONTROLLER



OPTIONAL CONTROLLER

|                                     |                   | KMC09        | KMC12            | KMC18        |              |
|-------------------------------------|-------------------|--------------|------------------|--------------|--------------|
| Power supply                        | PH - V - Hz       | 1/220-240/50 |                  |              |              |
| Rated Current                       | A                 | 0.18         | 0.18             | 0.44         |              |
| Capacity                            | Cooling           | Kw           | 2.6              | 3.5          |              |
|                                     | Heating           | Kw           | 2.9              | 4.1          |              |
| Input                               | Cooling           | W            | 40               | 40           |              |
|                                     | Heating           | W            | 40               | 40           |              |
| Sound pressure level (Low, Med, Hi) | Indoor            | dBA          | 29/33/38         | 34/37/41     |              |
| Airflow (Low, Med, Hi)              |                   | l/sec        | 235/138/161      | 115/140/171  |              |
| Dimensions (H x W x D)              | Indoor            | mm           | 260x570x570      |              |              |
|                                     | Panel             | mm           | 50x647x647       |              |              |
| Net weight                          | Indoor            | kg           | 14.5             | 16.2         |              |
|                                     | Panel             | kg           | 2.5              |              |              |
| Drain pipe connection               |                   | mm           | OD25             |              |              |
| Refrigerant piping                  | Liquid line       | mm (inch)    | Ø6.35 (1/4")     | Ø6.35 (1/4") | Ø6.35 (1/4") |
|                                     | Gas line          | mm (inch)    | Ø9.52 (3/8")     | Ø9.52 (3/8") | Ø12.7 (1/2") |
|                                     | Connection method |              | Flare connection |              |              |
| Operation Range                     | Cooling           | °C           | 0 to 50          |              |              |
|                                     | Heating           | °C           | -15 to 24        |              |              |

# Indoor Unit Feature Comparison

| Features                          | KSI Wall Mounted AC | KMD Ducted AC | KMC Cassette AC |
|-----------------------------------|---------------------|---------------|-----------------|
| Multiple indoor fan speeds        | ✓                   | ✓             | ✓               |
| Follow me mode                    | ✓                   | ✓             | ✓               |
| Turbo mode                        | ✓                   | ✓             | ✓               |
| Louvre position memory function   | ✓                   | ✗             | ✓               |
| Timer                             | ✓                   | ✓             | ✓               |
| 3D air flow                       | ✓                   | ✗             | ✗               |
| Auto swing                        | ✓                   | ✗             | ✓               |
| Anti cold function                | ✓                   | ✓             | ✓               |
| Two directional airflow           | ✓                   | ✗             | ✓               |
| Independent dehumidification      | ✓                   | ✓             | ✓               |
| Auto defrosting                   | ✓                   | ✓             | ✓               |
| Auto restart function             | ✓                   | ✓             | ✓               |
| Gold fin protection               | ✓                   | ✓             | ✓               |
| High density filter               | ✓                   | ✗             | ✗               |
| Digital temperature display       | ✓                   | ✓             | ✓               |
| Low ambient cooling               | ✓                   | ✓             | ✓               |
| Self diagnostics and auto protect | ✓                   | ✓             | ✓               |
| DR module                         | ✓                   | ✓             | ✓               |
| Built in drain pump               | ✗                   | ✓             | ✓               |
| Optional fresh air inlet          | ✗                   | ✓             | ✓               |

# Controlling your Kaden Multi



## Wireless Controller

Standard with the KSI series  
Optional with the KMC series

### Features:

- > Easy to use functions and intuitive display
- > Timer control
- > Wi-Fi control included in every model



## Wired Controller

Standard with the KMD and KMC series

### Features:

- > Easy to read back lit display
- > Weekly timer schedule
- > Child lock
- > Wi-Fi control included in every model

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 7-year warranty on parts and labour for residential and light commercial.



Residential & Commercial  
Parts & labour



Non-human comfort  
Parts & labour

## Notes



For more information go to  
**kadenair.com.au**

Due to limitations in the printing process the colours in this brochure are a guide only.  
The manufacturer/distributor reserves the right to vary specifications or delete models from their  
range without prior notification. The manufacturer/distributor takes no responsibility for printing errors.  
All products enjoy a product replacement warranty. For full warranty details visit [www.kadenair.com.au](http://www.kadenair.com.au)

V3 [BROCHURE CODE 2111027]

**metalflex™** | **ACTROL™** | **reece** **hvac**