



Simple. Smart. Comfort.

kaden°
your perfect climate

Kaden KSI Heat Pumps

Creating the perfect climate in your home is essential to your family's comfort. The Kaden KSI heat pump gives you total control over your space, every day of the year.

Kaden heat pumps let you effortlessly regulate your home's temperature, no matter the weather. The Kaden KSI range comes Wi-Fi compatible so you can control your climate from wherever you are. Designed specifically for local conditions, the KSI features a whisper-quiet silent mode to help you sleep through the night. The compact and modern design is matched with enduring performance. Every Kaden heat pump is backed by a full 5 year warranty, so you know they're made to last.



Product quality guarantee

Kaden heat pumps offer a 5 year warranty. See page 11 for further details.



Features at a glance



Comfort

Wi-Fi compatible

Connect and control your KSI from wherever you are from your smartphone.

Timer

Set your unit to turn On or Off at a specific time between 30 mins to 24 hours.

Sleep mode

Sleep mode helps you get to sleep in comfort without compromise, switching off operation after 5 hours.

Anti-cold function

Prevents cool air leaving the system during heating mode start to maximise comfort.



Energy Saving

R32 refrigerant

The new standard in refrigerant, R32, is more energy efficient and less harmful to the planet.

Intelligent standby

When the unit enters standby mode, energy consumption is reduced by 80-90%.

Variable fan speeds

Choose from 6 fan speeds to maximise your comfort.

Inverter technology

Inverter compressor technology provides optimised energy efficiency while maintaining the desired climate.



Health

Gold fin protection

An anti-corrosive gold nano-coating that withstands salty air, prevents bacteria breeding and improves heat transfer.

High density filter

A hyper-dense filter traps irritants, bacteria, and dust to stop it from circulating around your home.

Active clean

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

Tri filters

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



Reliability

System diagnosis

If your KSI detects an error, it will automatically shut down to prevent further damage.

Auto defrosting

Built for local conditions, in low temperatures the KSI will automatically defrost.

Operating temperature range

Ideal for all local climates, the KSI works in ambient temperatures ranging from -15°C to 50°C.

Refrigerant leak detection

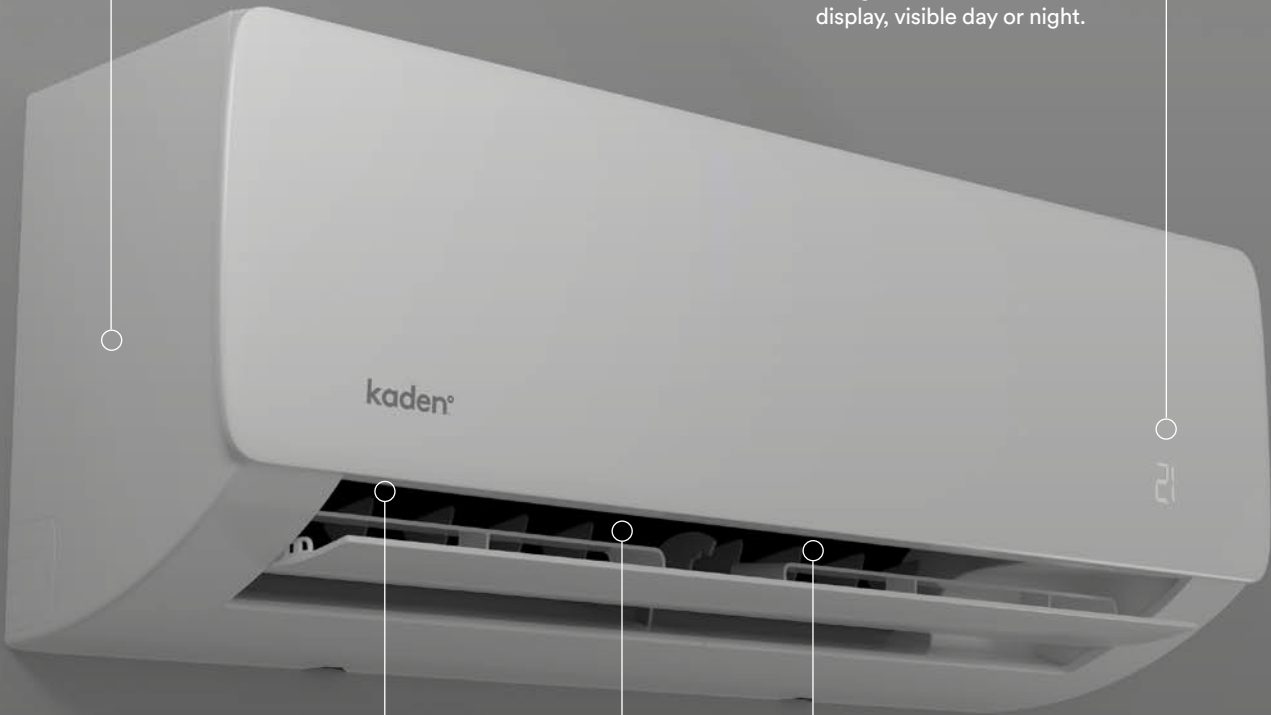
The KSI automatically detects refrigerant leaks, heightening safety and allowing rapid repair.

Turbo Mode

Provides a boost in cooling or heating power for a period of time, this allows you to reach your desired temperature quickly.

LED temperature

Check the current temperature at a glance with a clear LED display, visible day or night.



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.

3D Airflow

Both vertical and horizontal swing evenly distributes air through your entire space.

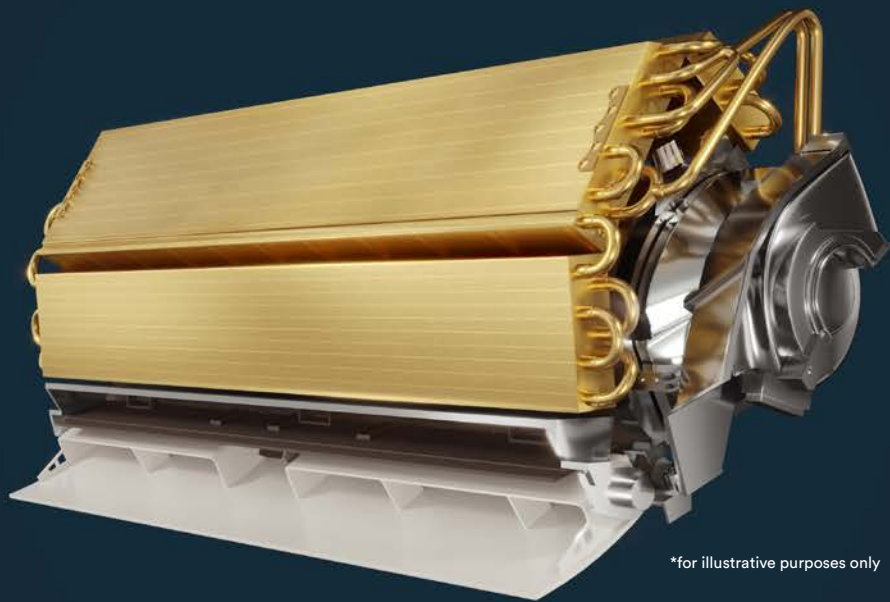
A Heat Pump made for the future.

Designed for any home.

Kaden KSI heat pumps feature a compact, contemporary design that will fit discreetly into any home. New to Kaden, 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.

New level of hygiene.

The KSI takes cleanliness to a whole new level. Gold nano-coated fins prevent bacterial and microbial build-up on both indoor and outdoor units. Kaden's new active cleaning mode allows the KSI to clean itself and provide clean fresh air to your space.



1

Capture

Fins are frozen to capture moisture and contaminants

2

Condense

Frost is melted and condensate washes away dust, mould and grease

3

Clean

Warm air pushes the droplets out, cleaning and drying the fins

KSI Series



6 star energy rating*

With multiple energy saving features, the KSI is Kaden’s most energy efficient system to date.

How does the KSI heat pumps work?

Heat pumps are designed to both cool and heat a single room or open space. The KSI heat pump is made up of an indoor unit, located on the wall, and an outdoor unit, located in a convenient position outside. They’re connected by piping that moves refrigerant between the two units to regulate temperature. Working together, the two units create your perfect climate inside.

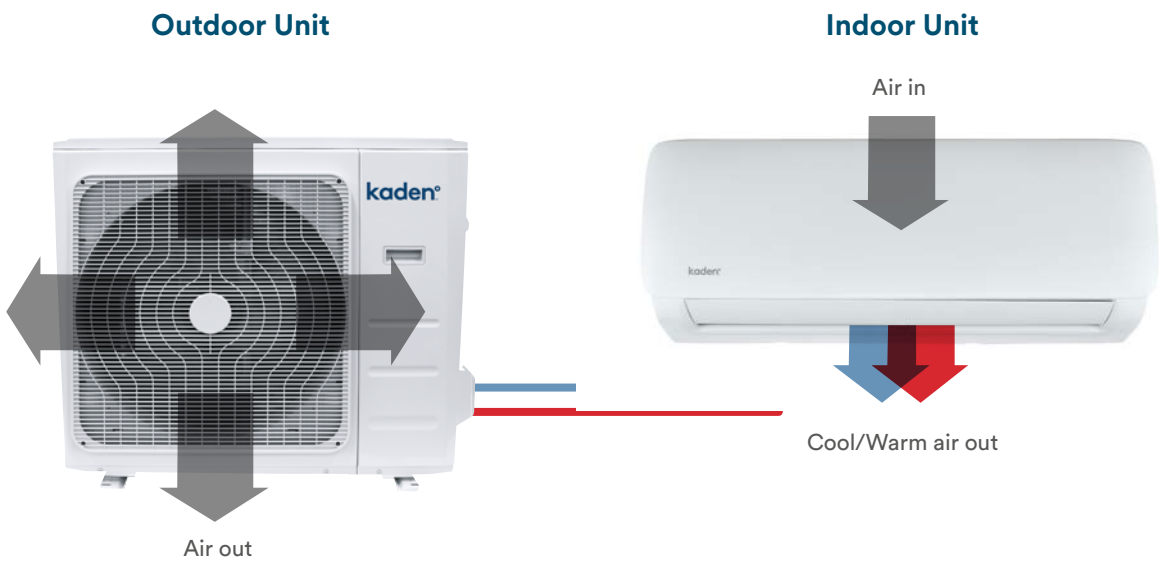
Why choose a Kaden KSI heat pump?

- > Rapidly cool or heat the desired area or room.
- > Cooling and heating as standard which allows you to use one system all year round.
- > Wi-Fi enabled for easy control wherever you are.
- > No ducting in the roof or floor required making it cost effective to install.
- > No money wasted heating or cooling unused spaces.
- > Layered dense filters that trap irritants and dust to stop them circulating around your home.

*6 star energy rating on the KSI 2kW model

Ultimate airflow inside and out.

Kaden KSI heat pumps are reverse cycle. They both heat and cool your space to create your perfect climate.



Product Specifications

			KS106	KS109
Power supply	PH- V - Hz			
Rated Current		(A)	9.5	9.5
Running current	Cooling and Heating	(A)	Cooling - 1.8 Heating - 2.0	Cooling - 2.8 Heating - 2.8
Recommended Circuit Breaker		(A)	16	16
Capacity	Cooling (Range)	kW	2.00 (0.8-2.9)	2.60 (0.8-3.00)
	Heating (Range)	kW	2.25 (0.90-3.0)	2.70 (0.90-3.2)
Input	Cooling (Range)	kW	0.43 (0.17-0.51)	0.59 (0.25-0.7)
	Heating (Range)	kW	0.46 (0.15-0.56)	0.60 (0.22-0.73)
Star Rating: Hot / Average / Cold	Cooling		6.0/5.0/5.5	5.0/5.0/5.0
	Heating		3.5/3/3	3.5/3.0/2.5
EER	Cooling		4.7	4.2
COP	Heating		5	4.5
Sound power level	Outdoor	dBA	54	54
Sound pressure level (Silent, Low, Med, Hi)	Indoor	dBA	25-30-32-38	25-30-32-38
Airflow (Low, Med, High, Turbo)		l/sec	75/94/127/152	83/100/138/175
External dimensions (H x W x D)	Indoor	mm	292×729×200	292×729×200
	Outdoor	mm	555×765×303	555×765×303
Net weight	Indoor	kg	8	8.5
	Outdoor	kg	26.5	26.5
Refrigerant piping	Liquid line	mm (inch)	Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas line	mm (inch)	Ø9.52 (3/8")	Ø9.52 (3/8")
	Connection method		Flare connection	Flare connection
Refrigerant	Type			
	Quantity	kg	0.62	0.62
	Pre charged to pipe length	m	15	15
Max pipe length		m	25	25
Max height difference		m	10	10
Outdoor operating range	Cooling	°C		
	Heating	°C		
Suitable Area Coverage (up to 2.6m insulated ceiling) *These sizing recommendations are a general guide only and are not applicable to all applications. Kaden always recommend a heat load calculation is conducted by a licensed technician		m2	<15m2	<20m2

Kaden KSI Heat Pumps



OUTDOOR UNIT



INDOOR UNIT



CONTROLLER

KS12	KS18	KS24	KS28
1 Phase, 220-240V, 50Hz			
10.5	15.5	17.5	17.5
Cooling - 3.8 Heating - 5.0	Cooling - 5.8 Heating - 6.0	Cooling - 8.7 Heating - 8.7	Cooling - 10.2 Heating - 10.0
16	20	25	25
3.55 (1.5-4.9)	5 (2.1-7.2)	7 (2.95-9)	8 (2.95-9)
4 (1.8-5.1)	5.2 (2.5-7.8)	7.5 (3.5-9.5)	8.5 (3.5-9.5)
0.82 (0.32-0.91)	1.3 (0.52-1.43)	1.95 (0.78-2.15)	2.35 (0.94-2.59)
0.92 (0.36-1.02)	1.35 (0.54-1.49)	1.95 (0.68-2.25)	2.25 (0.9-2.48)
5.0/4.5/5.0	4.5/4.0/4.5	3.0/2.5/1.5	3.5/2.0/1.5
4.0/3.0/2.5	3.0/2.5/2.0	3.0/2.5/1.5	3.0/2.0/1.5
4.30	3.80	3.60	3.40
4.5	3.85	3.85	3.8
58	65	65	67
24-30-33-39	28-34-38-44	29-33-39-45	29-33-39-45
86/105/147/183	138/166/222/263	229/250/302/381	229/250/302/381
295×802×200	321×971×228	337×1082×234	337×1082×234
554×805×330	673×890×342	673×890×342	673×890×342
8.5	11.1	13.3	13.3
32.2	37.9	43.3	43.3
Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.52 (3/8")	Ø9.52 (3/8")
Ø9.52 (3/8")	Ø12.7 (1/2")	Ø15.90 (5/8")	Ø15.90 (5/8")
Flare connection	Flare connection	Flare connection	Flare connection
R32			
0.9	1.26	1.4	1.4
15	15	15	15
25	30	50	50
10	20	25	25
0 to 50			
-15 to 30			
<25m2	<35m2	<50m2	<60m2

The perfect climate

Ultimate Control.

Access from anywhere.

The mobile app lets you access multiple units from your mobile device at home or remote.



Use the app as your remote control.



Check if the AC is on or off, remotely.



Easy to use functions and intuitive display.



Wi-Fi compatible app for temperature control on the go.



Remote controller comes as standard. Wi-Fi requires optional adaptor (sold separately).

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

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