

HITACHI

Cooling Only Wall Mounted Split Systems

FrostWash Technology 



air

Creating truly comfortable living spaces.

We want to help you find the air conditioner that best suits your lifestyle. Our partnership with **temperzone** combines innovative global products with local knowledge and support to meet your needs faster, smarter and more responsibly than ever before.



FROSTWASH



ACTIVE DEHUMIDIFICATION



DIRECTIONAL AUTO SWING LOUVRES



AIR PURIFYING FILTER



LOW GWP REFRIGERANT



5 YEAR WARRANTY



WIFI APP



HIGH AMBIENT OPERATION
46°C IN SUMMER



AUTO RESTART AFTER POWER FAILURE



EASY INSTALLATION



EASY ACCESS FOR SERVICING

FrostWash Technology



FROSTWASH

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air

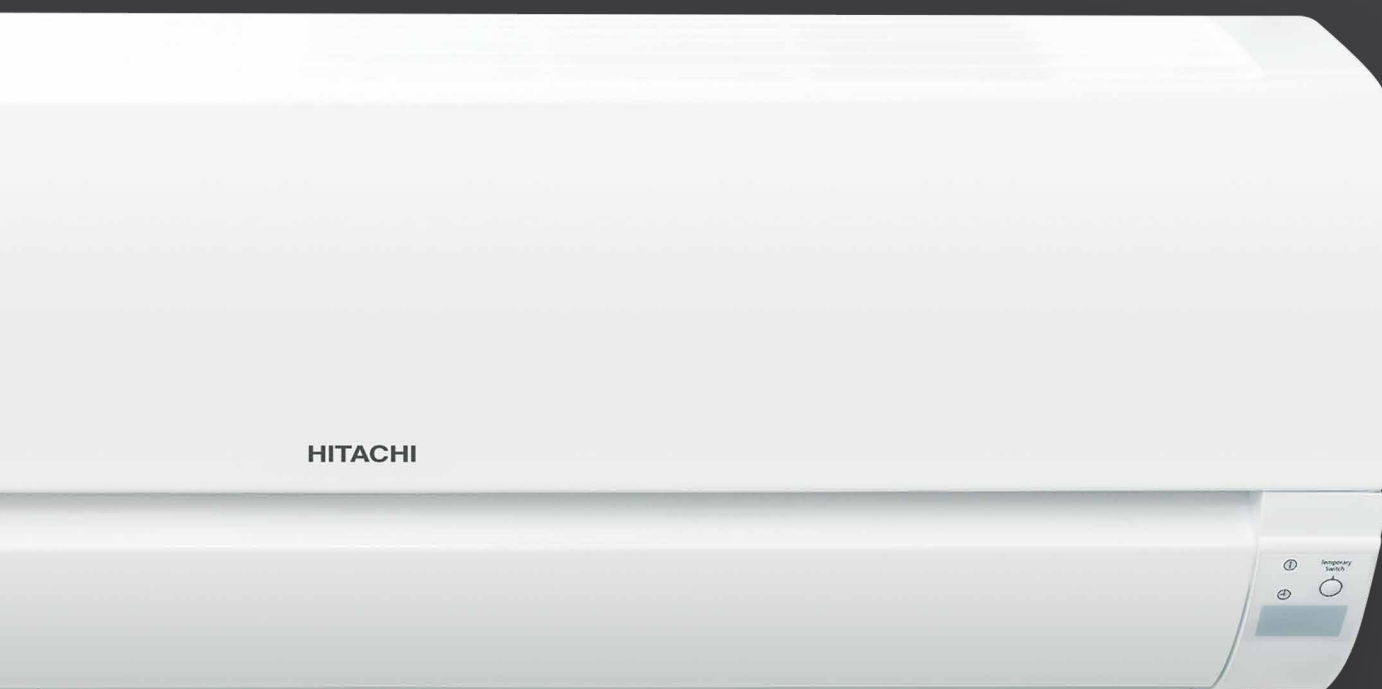
Cooling Only 'E' Series



KEY FEATURES

- Manual FrostWash
- DC Inverter
- Air purifying filter
- Eco mode functions
- Ultra low standby power mode
- Active Dehumidification
- Silent Mode
- 4 Way directional auto swing airflow
- 12hr on/off timer
- Comprehensive 5 year parts and labour warranty for your home or business
- Sleep mode
- Powerful mode

R32
REFRIGERANT



Moisture Removal

It's important that your air conditioner not only keeps you cool but also comfortable. In hot, humid environments the removal of moisture is essential to maintain comfortable work and living spaces.



Up to 4.8 litres per hour on the RAC/RAS-E70CYAB

Image represents moisture removal from the air conditioner.
Water or moisture from the air conditioner is not fit for consumption

DEHUMIDIFICATION FOR COMFORT, HEALTH & ENERGY SAVINGS

Hitachi cooling only wall mounts feature a dedicated Dehumidification mode, this effectively removes the moisture from the air to not only increase your comfort but also efficiently maintain a healthy home environment.

Removing moisture reduces the build up of mould and mildew which in turn results in a healthier home for your family, especially for those with allergies and asthma.

Reducing the moisture and humidity enables the set temperature to be increased while still maintaining the same comfort levels, leading to increased energy savings.

EFFICIENT COOLING PERFORMANCE

Hitachi's DC compressor offers efficient performance during periods of extended operation. Low-speed performance characteristics have also been improved, leading to significant reductions in annual running costs.

4.8L Removed Per Hour*



*RAS-E70CYAB

EXTREME OUTDOOR TEMPERATURE OPERATION

Hitachi units can operate in outside temperatures as high as 46°C ensuring you stay comfortable when you need it.

Cleaner, Fresher Air



ANTI
BACTERIAL



ALLERGY



DUST



ODOR
REMOVAL



SUPPRESSION



MOULD PREVENTION TECHNOLOGY

To prevent a build up of moisture and mould inside the indoor unit and ensure fresh air within in your home, Auto Clean function keeps the interior of the unit dry and clean.

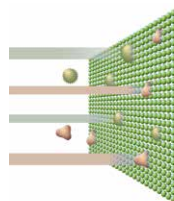
Auto Clean function operates automatically after the unit is turned off. This ensures the unit is dry, helping prevent mildew and mould in hot and humid climates.

NANO TITANIUM WASABI AIR PURIFYING FILTER

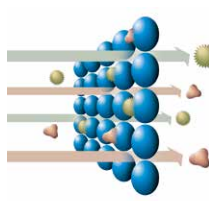
The air purifying filter is packed with a hybrid coating of Nano Titanium and Wasabi solution which provides a powerful antibacterial, anti-mould, anti-allergen and deodorising effect, reducing bacteria and allergen levels.

Incredibly small and highly dense, Wasabi-modified Nano Titanium particles prevent microbes from passing through and deactivate them effectively.

Nano Titanium



Conventional



● Bacteria

● Odours

FrostWash

With FrostWash, a revolutionary new cleaning technology, you can depend on cleaner, fresher air all year round.

Freeze



FROSTWASH



DUST PREVENTION



WATER DROPLET PREVENTION



LONG LASTING HYGIENIC AIR



1 The system cools the heat exchanger down to -15°C forming a thin layer of frost from the moisture within the air. While the frost is being formed, it lifts dust particles, mould and bacteria off the heat exchanger and traps it.

Once an adequate layer of frost has been formed, the system then melts the ice, flushing away the trapped dust particles, mould and bacteria hygienically through the drain pan.

2 The unit then thoroughly dries the surfaces inside the unit before resuming normal operation.

& Melt



3 A clean heat exchanger not only keeps your unit operating at optimal efficiency, but also keeps the air in your home fresher and cleaner.

FrostWash achieves a **91% reduction*** of bacteria and **87% reduction*** of mould in your unit.

Clean Air.

Because air is always travelling across the surface of the heat exchanger, dust mould and bacteria can accumulate, leading to reduced performance and perceivable odours. Keeping the heat exchanger clean is the key to better quality air.

FrostWash addresses an issue that had long stumped the air conditioning industry - how to effectively and efficiently clean the inside of room air conditioning units.

While many customers will be familiar with the process of cleaning the filters inside air conditioners, cleaning inside the machine itself has usually required professional services. FrostWash was first introduced in the Japanese market, receiving overwhelming positive customer feedback. So much so, the innovators of this development received the **"Excellence Award"** by the **Japan Electrical Manufacturers Association** in 2018.

*Feature introduction based on RAS/RAC-S35YHAB.

Tested by Kitasato Research Centre of Environmental Science. Test No. 2019_0154. Reduction effects of bacteria and mould were observed by operating FrostWash once.

Comfort Control

WIRELESS CONTROL

Convenient comfort control

- Dehumidification Mode
- Manual FrostWash
- Cool Mode
- Fan Speed
- ECO Mode
- Timer OFF/ON
- Sleep Timer
- Auto Clean
- 4 Way Auto Directional Air Flow
- Silent Mode
- Powerful Mode



ACTIVE DEHUMIDIFICATION

Hitachi's active dehumidification mode will remove moisture from the air under almost any conditions. Dehumidification will operate to room temperatures as low as 16°C, ensuring your living space is always dry, healthy and comfortable.

MANUAL FROSTWASH

As the unit operates over time, dust particles, mould spores and bacteria can get trapped on the inside surface of the air conditioner. This can lead to unpleasant odours. FrostWash is designed to trap and wash away impurities inside your unit

SILENT MODE

With the newly improved seamless fan control system, Hitachi's air conditioners assure extremely quiet and smooth fan speed changes for even more comfort. Silent mode drops the fan speed down to ultra low for silent operation.

POWERFUL MODE

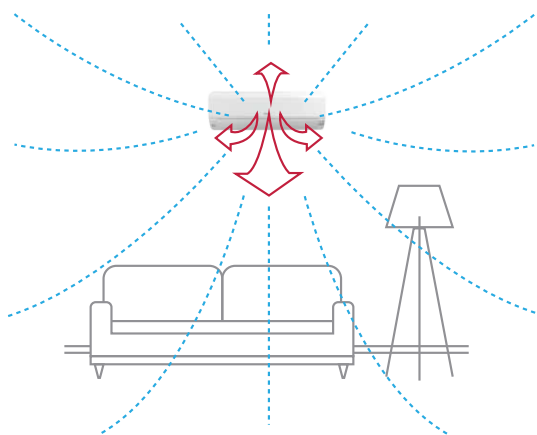
Powerful mode will run your system at maximum cooling as well as maximum fan speed for 20-minutes projecting airflow further and faster to cool a room rapidly.



4 WAY 3D AIRFLOW

The louvers not only move up and down automatically, but also left and right. This action disperses air over a much wider range to cool the room efficiently and evenly. With the push of a button louvers can be set in any airflow direction to precisely control your comfort.

4-Way 3D Airflow



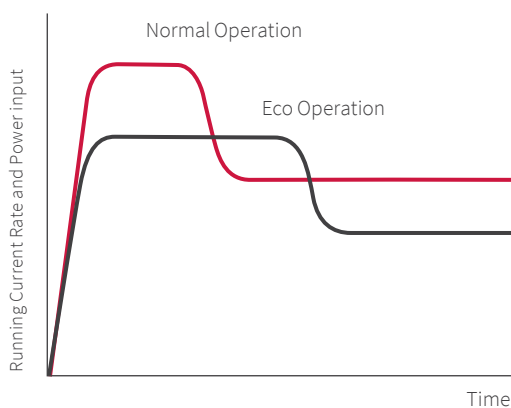
SLEEP MODE

A function that adapts fan speed and temperature to provide optimal comfort while you're sleeping, Sleep Mode also prevents drafts that might disrupt a good night's sleep.

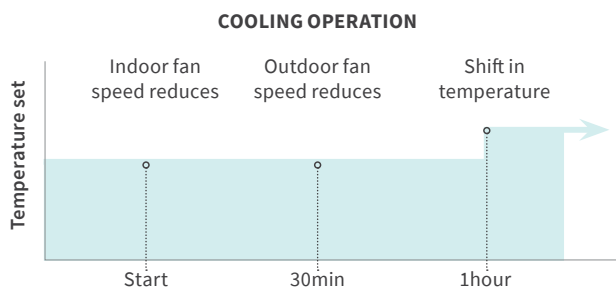
ECO MODE

At the push of a button Eco mode is programmed to run your system at a slightly reduced rate, Eco Mode helps keep your power consumption to a minimum enabling you to achieve significant energy savings while maintaining comfortable conditions.

Eco mode



Sleep mode



Optional Accessories



PREMIUM WIRELESS REMOTE

Provides extra functionality:

- Weekly timer
- Leave home
- Power consumption display

REMOTE ON/OFF ADAPTOR

Switches the unit on or off via a remote device such as a hotel room card key. Save energy by switching the unit off when the room is unoccupied.

RUN AND ALARM SIGNAL

Signal indicates when a unit is running, or if the unit has stopped due to an internal fault. This is beneficial for projects where multiple units have been installed.

DEMAND RESPONSE MODULE (DRED)

Optional DRM module for instances where local requirements specify DRED compatibility.



SPX-WKT3 WIRED CONTROLLER

In addition to essential functions, you will have access to:

- Weekly programming: allows you to configure up to 5 different temperature ranges per day
- Ventilation speed
- The "holiday" function: deactivates the time clock to avoid operation when not required
- Your monthly consumption is saved and displayed
- Temperature limiting function
- Operation mode lock
- Error history
- Key lock function: locks all buttons on the remote controller, ideal for homes and offices.
- Note, Frostwash function is not available with the SPX-WKT3 controller.*

airCloud Home

Optional Accessory



Download today



www.aircloudhome.com

A smarter way to control your air conditioner. Anytime, anywhere.

CONTROL FROM ANYWHERE

Making sure your home is at the perfect temperature for when you arrive has never been easier. Hitachi airCloud Home allows you to remotely monitor and control your system from a single app through your smartphone.

CONTROL WITH YOUR VOICE

airCloud Home is fully compatible with Amazon Alexa and Google Assistant, enabling you to control your air conditioner hands-free.

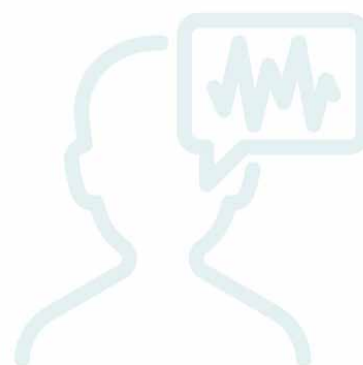
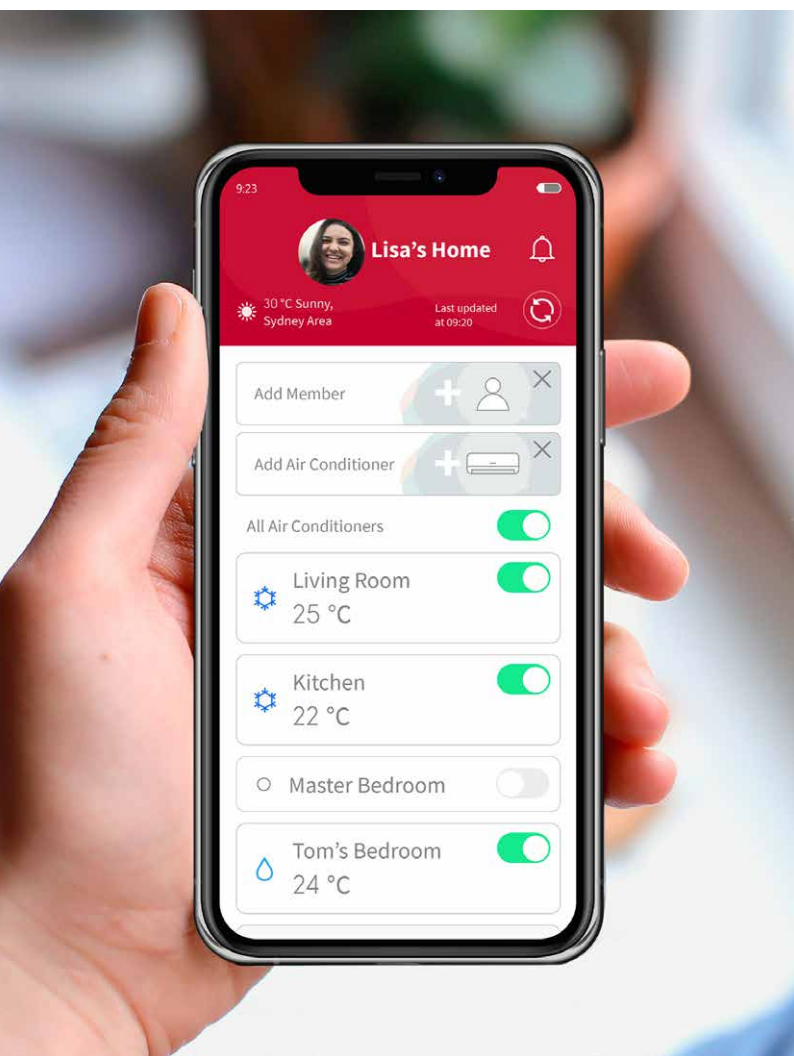
SMART FENCE

Connect your air conditioner to your location and automatically stop and start your AC as you leave and return home.

AIRCLOUD FEATURES

- On / Off Operation
- ALL Units OFF
- Operation Mode Selectable
- Temperature Adjustment
- Smart Speaker (Google Assistant & Amazon Alexa)
- Smart Fence
- Weekly Scheduling
- On / Off Timer
- Adjustable Louvre
- Fan Speed
- Free firmware updates to latest features
- Unlimited units can be controlled through one app
- Account Management
 - Access for up to 20 users
 - Set up user permissions
- Customer Support
- Personalisation - Indoor unit naming
- Smart Notifications

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Wall Mounted Split Systems

Features and options table

E SERIES COOL ONLY

Manual FrostWash 	•
Nano Titanium Wasabi filter	•
Dehumidification Mode	•
Eco mode function	•
Sleep mode	•
Powerful mode	•
Ultra low standby power	•
4 way auto swing (up-down/left-right)	•
Auto restart function	•
12hr timer control	•
Silent Mode	•
Auto Clean Operation	•
Leave home function	□
24/7 time clock function	□
Power tracking display	□
24 HR On/Off timer	□
Operation mode lock	□
Premium wireless remote	■
Remote on/off input	■
SPX-WKT3 wired controller	■
DRED Demand response module	■
Run and fault signal	■
Wifi connectivity - airCloud home	■

- STANDARD
- OPTIONAL WITH PREMIUM REMOTE
- OPTIONAL ACCESSORY
- NOT AVAILABLE





E Series - Cooling Only

MODEL

Indoor	RAS-E25YCAB	RAS-E35YCAB	RAS-E50YCAB	RAS-E60YCAB	RAS-E70YCAB	RAS-E80YCAB
Outdoor	RAC-E25YCAB	RAC-E35YCAB	RAC-E50YCAB	RAC-E60YCAB	RAC-E70YCAB	RAC-E80YCAB
Capacity kW						
Rated Cooling	2.5	3.5	5.0	6.0	7.0	8.0
Capacity (Range) kW						
Cooling	0.9 - 3.6	1.0 - 4.0	1.0 - 5.5	1.2 - 6.5	1.5 - 8.0	1.5 - 8.5
Air Flow l/sec						
Cooling - Hi / Med / Lo / Sleep	142/119/102/93	189/135/117/98	210/159/117/98	233/183/133/100	283/250/183/150	283/250/183/150
Moisture Removal L/h	1.4	1.6	2.0	2.8	4.8	4.8
Energy Efficiency						
AEER	3.81	3.82	3.61	3.31	3.40	3.25
TCSP Cooling (Residential MIX)	4.90	4.82	4.70	4.51	4.77	4.58
Star Rating Cooling (MIX)*	3.0	3.0	3.0	3.0	3.0	3.0
Star Rating Cooling (Hot)*	3.5	3.5	3.0	3.0	3.5	3.0
Sound Levels (dB(A))						
Indoor Unit (Sound Pressure)						
Cooling - Hi / Med / Lo / Sleep	40 / 33 / 24 / 22	43 / 36 / 26 / 25	47 / 39 / 33 / 26	49 / 42 / 33 / 30	49 / 42 / 36 / 32	50 / 44 / 39 / 33
Outdoor Unit						
Sound Pressure - Hi (dBA)	47	47	50	50	51	52
Sound Power (dBA)	61	61	63	63	64	65
Dimensions (mm)						
Indoor (W x H x D)	780 x 280 x 230	780 x 280 x 230	780 x 280 x 230	900 x 300 x 260	1100 x 300 x 260	1100 x 300 x 260
Outdoor (W x H x D)	658 x 530 x 275	750 x 548 x 288	792 x 600 x 299	850 x 750 x 298	850 x 750 x 298	850 x 800 x 298
Weights (kg)						
Indoor / Outdoor	8 / 21	8.5 / 33	8.5 / 38.5	11.5 / 49	15 / 50	15 / 51
Operating Range						
Outdoor Op. Temp	10°C to 46°C	10°C to 46°C	10°C to 46°C	10°C to 46°C	10°C to 46°C	10°C to 46°C
Refrigerant Type	R32					
Piping						
Pipe Sizes (liquid/gas) mm	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.7	Ø6.35 / Ø12.7	Ø6.35 / Ø15.88	Ø6.35 / Ø15.88
Refig pre charge length (m)	20	20	30	30	30	30
Pipe Length max / lift / min	20 / 10 / 3	20 / 10 / 3	30 / 20 / 3	30 / 20 / 3	30 / 20 / 3	30 / 20 / 3
Condensate Drain (mm (OD))	16					
Power**						
Power Supply	220 - 240 Volt / 50 - 60 Hz / 1 Phase					
Rated Power Input - Cooling (kW)	0.65	0.91	1.38	1.80	2.05	2.45
Power Input Range - Cooling (kW)	0.21 ~ 1.20	0.25 ~ 1.46	0.50 ~ 2.10	0.30 ~ 2.60	0.30 ~ 2.70	0.30 ~ 2.70
Rated Running current (Amps)	3.30	4.65	6.06	7.95	9.00	10.80
Max Current (Amps)	7	6.5	10	12	12	12
Power supply To	Outdoor Unit					
Interconnecting Wire	3 Core + E					

Rated capacity measured in accordance with AS/NZS 3823.1.1:2012 conditions: Cooling: Indoor 27°C db / 19°C wb; Ambient 35°C db

Mains power source - AC 230V and 50Hz.

Refer to temperzone Warranty for full conditions.

*Star Ratings based on 2019 GEMS determination.

**Power data based on test information at 230V

7.0 - 8.0kW

RAS/RAC-E70YCAB
RAS/RAC-E80YCAB



6.0kW

RAS/RAC-E60YCAB



2.5 - 5.0kW

RAS/RAC-E25YCAB
RAS/RAC-E35YCAB
RAS/RAC-E50YCAB



Wireless Controller
(RAR-7PA1)



Outdoor unit
(RAC-E60YCAB)

R32
REFRIGERANT



temperzone Australia Pty Ltd

ENQUIRIES

sales@temperzone.com.au

AUSTRALIA

Sydney: (02) 8822 5700
Melbourne: (03) 8769 7600
Brisbane: (07) 3308 8333
Adelaide: (08) 8115 2111

DISTRIBUTORS

Newcastle: (02) 4962 1155
Perth: (08) 6399 5900
Launceston: (03) 6331 4209

NEW ZEALAND

Auckland: (09) 279 5250
Hamilton: (07) 839 2705
Wellington: (04) 569 3262
Christchurch: (03) 379 3216



WARRANTY

Must be maintained in accordance with maintenance recommendations.

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