

HITACHI

E Series

Wall Mounted Split Systems

FrostWash Technology



Cooling & Heating



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



WIFI APP



DIRECTIONAL
AUTO SWING
LOUVRES



AIR PURIFYING
FILTER



LOW GWP
REFRIGERANT



5 YEAR
WARRANTY



WIDE AMBIENT OPERATING RANGE
-15°C IN WINTER
46°C IN SUMMER



AUTO RESTART
AFTER POWER
FAILURE



EASY
INSTALLATION



EASY ACCESS
FOR SERVICING

FrostWash Technology



FROSTWASH

air

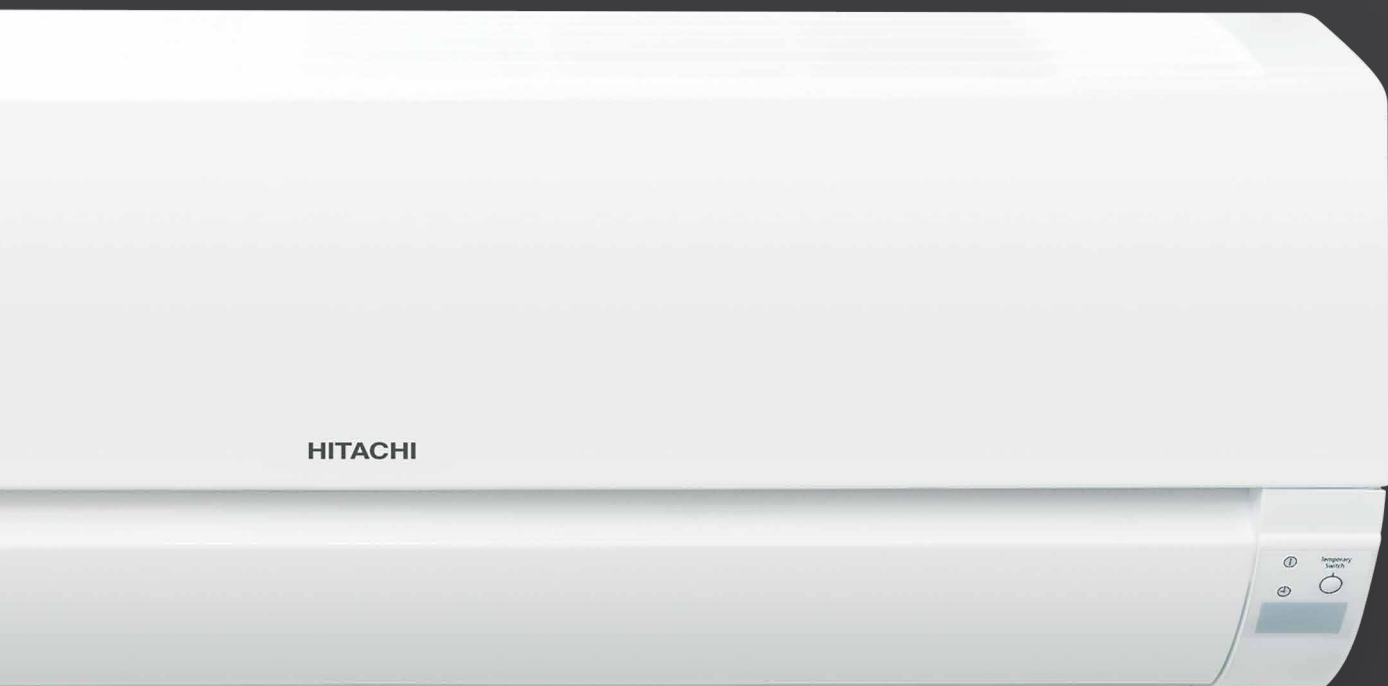
'E' Series



KEY FEATURES

- Manual FrostWash
- DC Inverter
- Air purifying filter
- Eco mode functions
- Ultra low standby power mode
- 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



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.

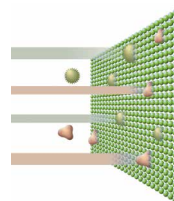
Auto Clean function operates automatically after the unit is turned off. This ensures the unit is dry, helping prevent mildew and mould in hot and humid climates.

NANO TITANIUM WASABI AIR PURIFYING FILTER

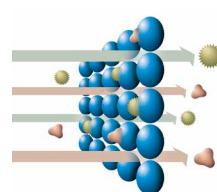
The air purifying filter is packed with a hybrid coating of Nano Titanium and Wasabi solution which provides a powerful antibacterial, anti-mould, anti-allergen and deodorising effect, reducing bacteria and allergen levels.

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 Technology

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

Freeze

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.

1



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



FROSTWASH



DUST PREVENTION

WATER DROPLET
PREVENTIONLONG LASTING
HYGIENIC AIR

& Melt

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.

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

2



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

3

The new Hitachi 'S' Series range of split systems offers many innovative features, from enhanced energy efficiency, to airflow control and ultra-quiet operation.

As part of our commitment to constant improvement, we looked for an unprecedented need in our product offering that would allow us to improve our customer experience and create a point of difference that would set us apart.

We identified that unmet need as cleanliness.

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

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



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 or heating, as well as maximum fan speed for 20-minutes projecting airflow further and faster to cool or heat a room rapidly.

EXTREME OUTDOOR TEMPERATURE OPERATION

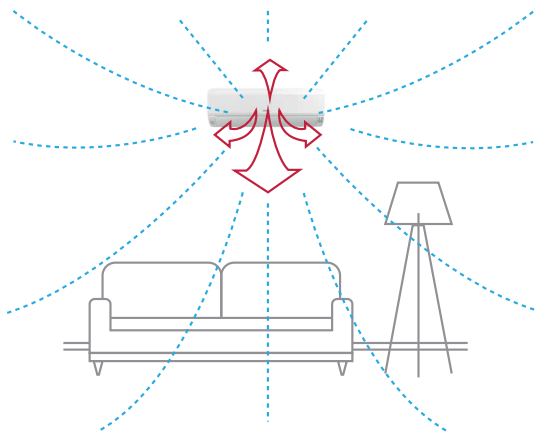
Hitachi air conditioners can operate in outside temperatures down to as low as -15°C and as high as 46°C ensuring you stay comfortable when you need it.



4 WAY 3D AIRFLOW

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

4-Way 3D Airflow



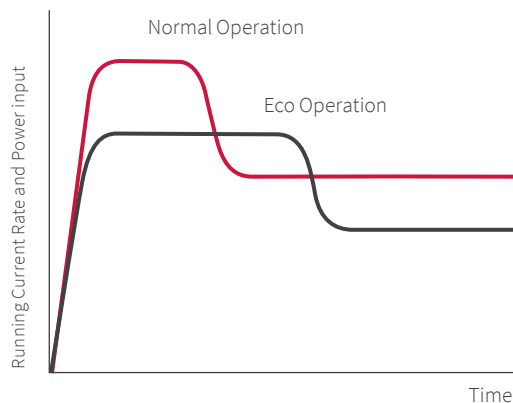
SLEEP MODE

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

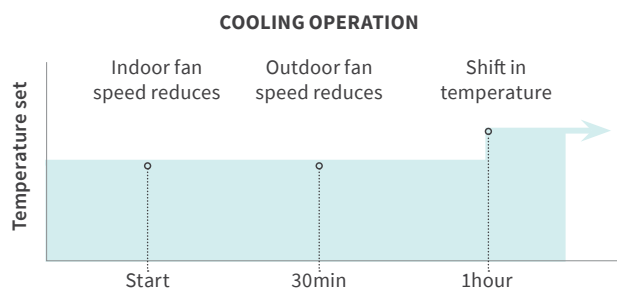
ECO MODE

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.

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.

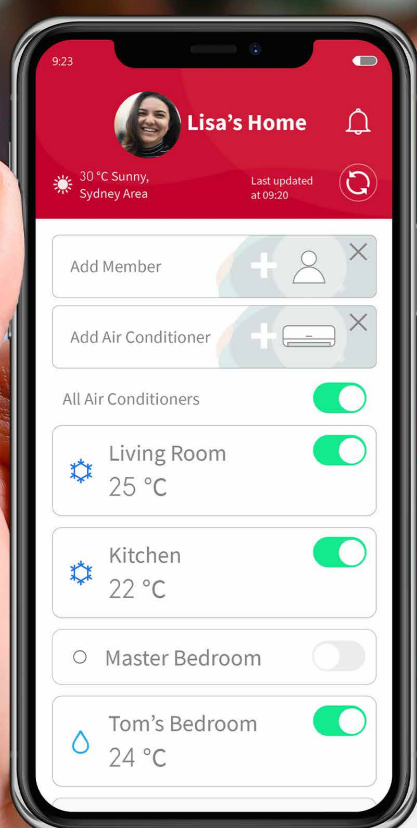
SMART FENCE

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

09



Wall Mounted Split Systems

Features and options table

E SERIES

Manual FrostWash 	•
Nano Titanium Wasabi filter	•
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 - Tech Data

MODEL

Indoor Outdoor	RAS-E25YHAB RAC-E25YHAB	RAS-E35YHAB RAC-E35YHAB	RAS-E50YHAB RAC-E50YHAB	RAS-E60YHAB RAC-E60YHAB	RAS-E70YHAB RAC-E70YHAB	RAS-E80YHAB RAC-E80YHAB
Capacity kW						
Nominal Cooling	2.5	3.5	5.0	6.0	7.0	8.0
Nominal Heating	3.2	4.0	5.3	7.0	8.0	9.0
Capacity (Range) kW						
Cooling	1.0 - 3.2	1.0 - 4.0	1.0 - 5.5	1.2 - 6.5	1.5 - 8.0	1.5 - 8.5
Heating	1.0 - 4.5	1.0 - 5.0	1.2 - 6.5	1.2 - 8.0	1.5 - 8.5	1.5 - 9.5
Air Flow l/sec						
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
Energy Efficiency						
EER	4.55	3.85	3.62	3.33	3.41	3.27
COP	4.71	4.30	3.90	3.83	4.04	3.80
Sound Levels (dB(A))						
Indoor Unit (Sound Pressure)						
Hi / Med / Lo / Sleep	40 / 33 / 24 / 22	43 / 36 / 26 / 25	47 / 39 / 33 / 26	49 / 42 / 33 / 30	48 / 42 / 36 / 30	49 / 44 / 39 / 33
Outdoor Unit						
Cooling / Heating (Sound Pressure)	46 / 47	47 / 48	50 / 52	50 / 53	51 / 53	52 / 54
Sound Power	60	61	63	63	64	66
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 230	1100 x 300 x 260	1100 x 300 x 260
Outdoor (W x H x D)	750 x 548 x 288	750 x 548 x 288	792 x 600 x 299	850 x 750 x 298	850 x 800 x 298	850 x 800 x 298
Weights (kg)						
Indoor / Outdoor	8.5 / 34	8.5 / 34	8.5 / 39.5	11.5 / 50	15 / 52	15 / 52
Operating Range						
Outdoor Op. Temp. (Cooling)	-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
Outdoor Op. Temp. (Heating)	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
Refrigerant Type	R32					
Pipe Sizes (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
Min / Max Pipe Length / Lift (m)	3 / 20 / 10	3 / 20 / 10	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20
Condensate Drain (mm (OD))	16					
Power						
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase					
Rated Power Input - Cooling (kW)	0.55	0.91	1.38	1.80	2.05	2.45
Power Input Range - Cooling (kW)	0.25 ~ 1.29	0.25 ~ 1.46	0.5 ~ 2.1	0.3 ~ 2.6	0.3 ~ 2.7	0.3 ~ 2.7
Rated Power Input - Heating (kW)	0.68	0.93	1.36	1.83	1.98	2.37
Power Input Range - Heating (kW)	0.25 ~ 1.25	0.25 ~ 1.7	0.5 ~ 2.75	0.3 ~ 2.65	0.5 ~ 2.8	0.5 ~ 2.8
Rated Running Current (C / H) (Amps)	2.81 / 3.48	4.65 / 4.76	6.06 / 5.97	7.95 / 8.07	9.00 / 8.07	10.8 / 10.45
Max Current (Amps)	7.0	8.1	11	12	12	12
Power supply To	Outdoor Unit					
Interconnecting Wire	3 Core + E					

Rated capacity measured in accordance with AS/NZS 3823 conditions: Cooling: Indoor 27°C db / 19°C wb; Ambient 35°C db
Heating: Indoor 20°C db; Ambient 7°C db / 6°C wb
Mains power source - AC 230V and 50Hz
Refer to temperzone Warranty for full conditions.

7.0 - 8.0kW

RAS/RAC-E70YHAB
RAS/RAC-E80YHAB



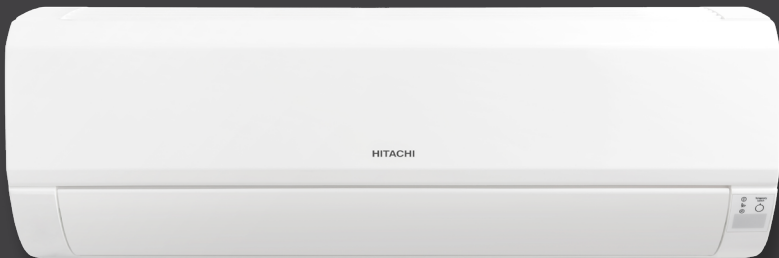
6.0kW

RAS/RAC-E60YHAB



2.5 - 5.0kW

RAS/RAC-E25YHAB
RAS/RAC-E35YHAB
RAS/RAC-E50YHAB



Wireless
Controller



Outdoor unit
(RAC-E60YHAB)

R32
REFRIGERANT



temperzone Australia Pty Ltd

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WARRANTY

Must be maintained in accordance with maintenance recommendations.

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