Wall Mounted Split Systems

HITACHI

FrostWash Technology

6 YEARS WARRANTY

Cooling & Heating

air

consumer. RECOMMENDS
Hitachi RAS-S25YHAB

consumer. RECOMMENDS
Hitachi RAS-S50YHAB
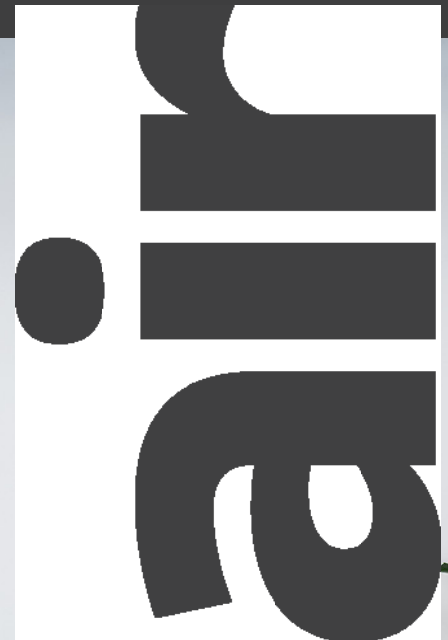
10 reasons to choose Hitachi

Worldwide trusted band

Hitachi developed its first window mounted air conditioner in 1952 and since then has been helping to make life more harmonious for people around the world. Today, our long heritage of precision Japanese engineering ensures that no detail is overlooked in our quest to create perfect environments.

Piece of mind warranty

Our wall mounted split systems are designed to withstand harsh NZ weather conditions. You can enjoy the peace of mind with a six year warranty on all single split wall mount and floor series models.

FrostWash Technology

When no motion is detected, the FrostWash* feature cools the heat exchanger down to -15°C to form a thin layer of frost from the moister in the air. The thin layer of frost lifts dust particles, mould and bacteria off the heat exchanger achieving a 91% reduction of bacteria and 87% reduction of mould in the unit.

DC Inverter Technology

When the desired temperature has been reached, the DC Inverter lowers the speed of the motor to save on energy usage and efficiently maintains the desired temperature. This leads to significant reductions in annual running costs.

4 Way directional air

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.

airCloud home, Wifi Control for your Hitachi air conditioner

Forgot to turn off your AC? No problem. airCloud Home allows you to control your air conditioner on the go! Connect airCloud Home to your smart speaker to enjoy hands-free operation of your Hitachi air conditioner with voice command. airCloud Home is compatible with Google Assistant and Amazon Alexa, enabling you to change the temperature while you're working, exercising or cooking.
SmartFence
Connect your air conditioner to your location and automatically stop and start your AC as you leave and return home. airCloud home is an optional extra for 'E' and 'S' models and standard 'built in' on the 'P' series.

Eco Mode

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.

Auto Restart

The auto restart function can be enabled to ensure your air conditioner returns to the same operation in the event of a power failure.

Powerful mode

Powerful mode will run your system at maximum cooling or heating as well as maximum fan speed projecting airflow further and faster to cool or heat a room rapidly.

Mode Selection

With 5 modes (Auto, Cool, Heat, Dry & Dehumidify) you can choose the mode that best suits your lifestyle.

*Feature introduction based on RAS/RAC-S35YHAB. Tested by Kitasato Research Centre of Environmental Science. Test No. 2019_0154. of mould in your unit.

The Complete HOME Solution 3 models to choose from

'P' Series

- Scene camera
- Auto FrostWash
- Motion Sensor
- Auto Filter Clean Robot
- 3D Airflow
- Weekly Timer
- Camera Eco Mode
- Fuzzy Logic Control
- Built in Wi-Fi

'S' Series

- Auto FrostWash
- Motion Sensor
- Weekly Timer
- Nano Titanium pre filter
- Eco sleep mode
- Optional Wi-Fi

'E' Series

- Manual FrostWash
- 12hr Timer
- Optional Wi-Fi

'P' SERIES

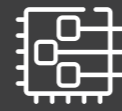## KEY FEATURES

SCENE CAMERA | PRESENCE SENSOR | AUTO FILTER CLEAN ROBOT | SCENE CAMERA ECO MODE | POWERFUL MODE | FUZZY LOGIC

WEEKLY TIME CLOCK | AIR SLEEP | 3D AIRFLOW | VOICE CONTROL | LEAVE HOME FUNCTION | BUILT IN WI-FI

4 WAY AIRFLOW | QUIET MODE | POWER TRACKING | WARRANTY | FROSTWASH

Premium Wireless Controller

Scene Camera Technology

Intelligent Scene Camera Technology identifies up to five people, their location in the room, and their activity level or absence to adjust the temperature, airflow, or setting to provide comfort to those who need it most. If the room is unoccupied, the unit will automatically enter energy-saving operations, helping you save on energy costs.
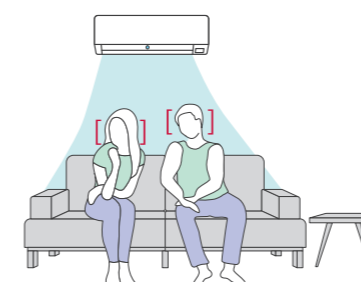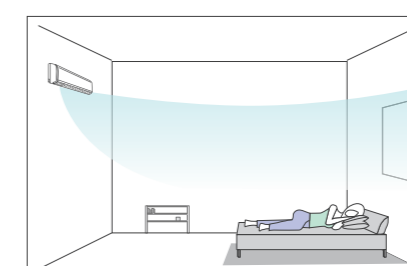
How Scene Camera Technology works

Image sensing

Intelligent Image Sensor detects the number of people, location and activity in the room and adjusts the temperature accordingly to ensure precise cooling/heating and energy saving operations.

Smart swing

The Smart swing function adjusts direct or indirect airflow as desired to offer best comfort conditions.
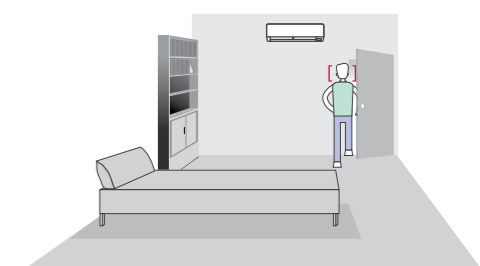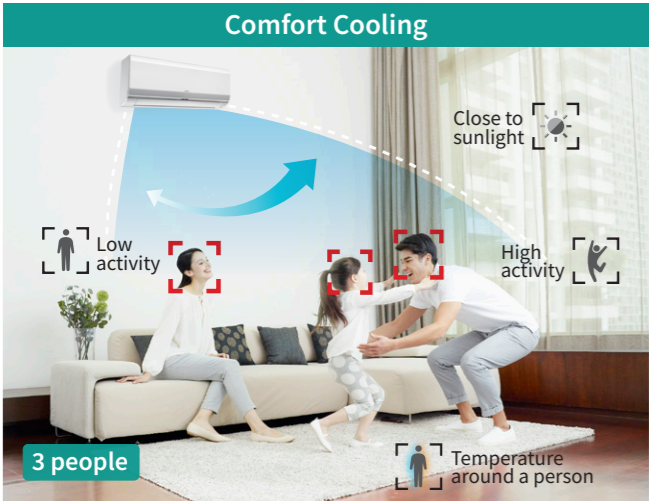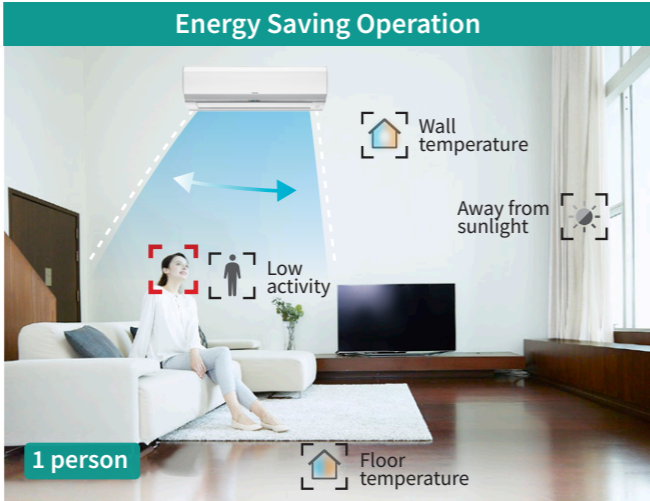
Auto off

When the Image Sensor detect human absence in the room for a specified time, the AC automatically switches off. This reduces wastage of cooling and energy.

Wall Mounted Split Systems

ECO OPERATION with Scene Camera

The image Camera monitors the room as well as human conditions and selects a suitable operation to balance comfort and energy savings. 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.

Comfort Cooling

Close to sunlight
Low activity
High activity
Temperature around a person
3 people

Energy Saving Operation

Wall temperature
Away from sunlight
Low activity
Floor temperature
1 person

Comfortable cooling with a wide swing to cover everyone in the room. Cool air will flow more frequently towards people in sunny areas and/or with a higher activity level.

Automatically switches to soft and limited airflow when only one person remains in the room, away from the sunny area.

Auto Save and Auto Off/On

- After 10 minutes of continually detecting the absence of people in the room, the unit switches to a soft cooling mode, increasing the set temperature by 1°C, thereby saving energy
- After one hour* of continually detecting the absence of people in the room, the unit automatically switches off to avoid wasted power usage
- The unit automatically resumes its operation to the original settings when the camera detects movement in the room

* Auto off time is adjustable to 30, 60, 90, 120 & 180 minutes

Auto Save	Auto Off	Auto On
Comfort → Energy Saving (Soft cooling)	Energy Saving (Stop)	Comfort

Automatically switches to Soft Cooling after 10 minutes of absence to save energy.

When Auto Off is set, the air conditioner automatically switches off after 1 hour of absence.
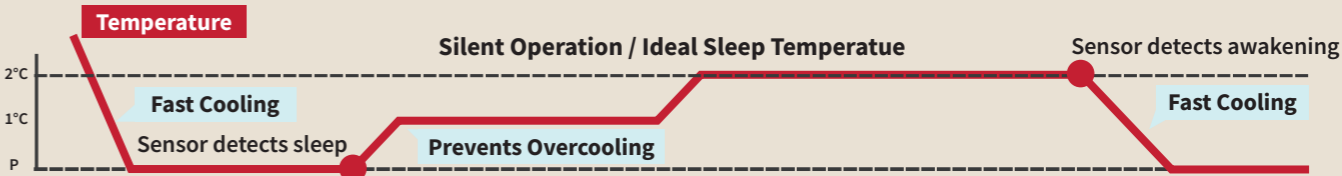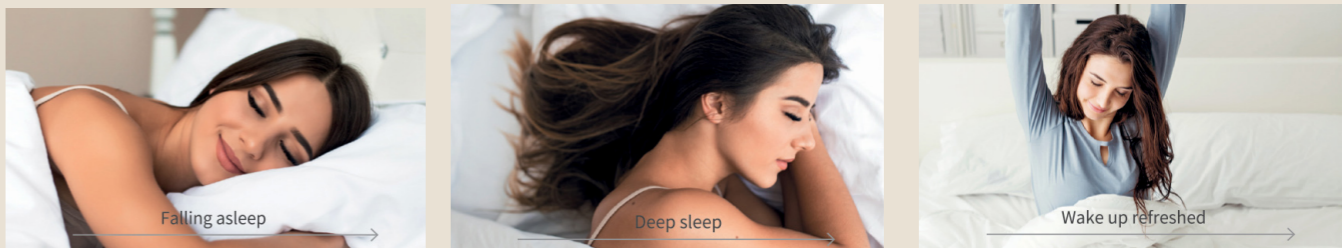
When Auto On is set, the air conditioner automatically switches on when people are detected.

AirSleep Technology

A sound sleep at night after a long day at work is what every person deserves. Activity Sensor Technology helps you get that much needed rest. Infrared Sensor Technology provides a comfortable sleeping environment by regulating the room temperature according to person's active body movements so that you wake up fresh next morning. In case of no active movement, the unit increases the temperature by 1°C per hour for 2 hours.

How iSense helps?

Falling asleep
Deep sleep
Wake up refreshed

Temperature

Silent Operation / Ideal Sleep Temperatue
Sensor detects awakening
2°C
Fast Cooling
Fast Cooling
1°C
Sensor detects sleep
Prevents Overcooling
P

Falling asleep

Eases you to sleep by increasing the set temperature for extra cooling comfort.

Deep sleep

Gradually increases the set temperature to maintain a comfortable room temperature.

Waking up

Activity Sensor Technology decreases the temperature to the initial set temperature to ensure that you wake up fresh without dry skin or dry throat.

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Clean, Fresh air

Auto Filter Cleaning Technology

How does it work?

The Auto Cleaning Brush moves across the stainless-steel coated filter to collect dust and empty it in the Dust Collector Box. This action is performed twice to ensure that no dust is left on the filter, which helps your air conditioner run efficiently and provide your home and family with clean and fresh air always.
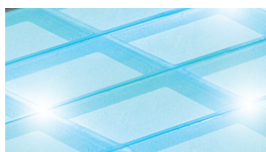
Auto Cleaning Brush

Stainless Steel Coated Filter

Dust Collector
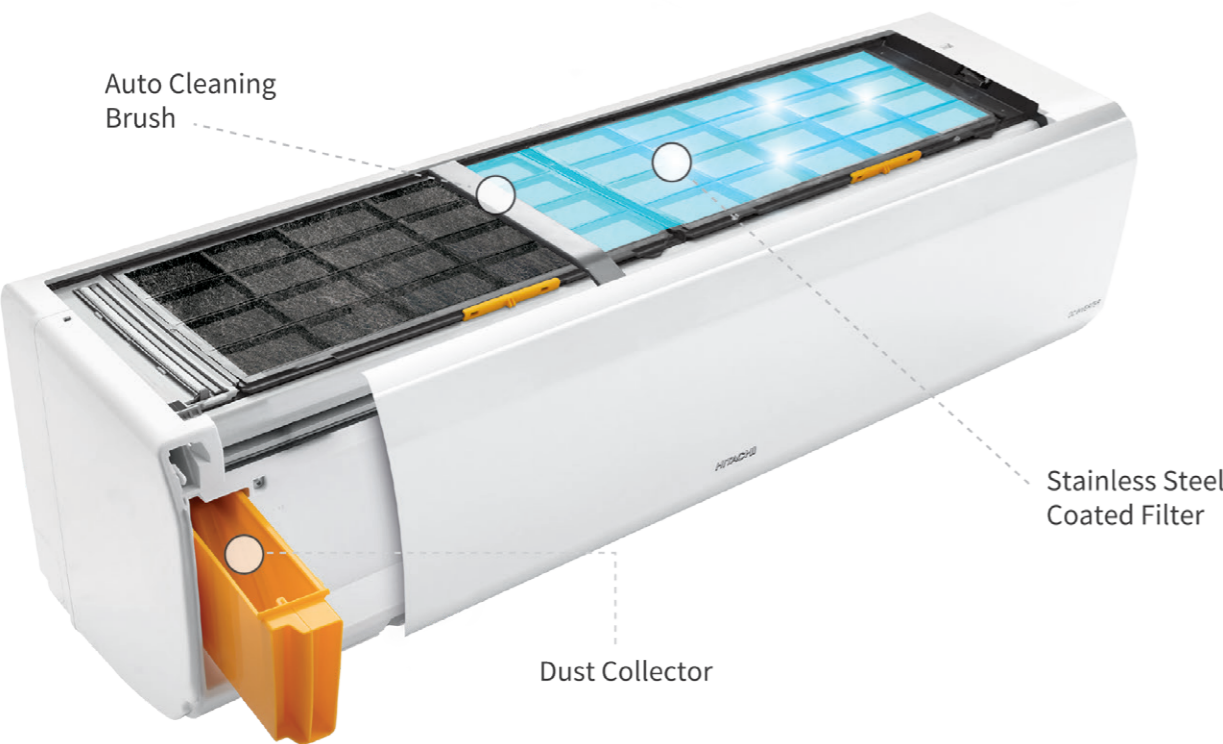
Ever Clean
Prevents dust accumulation and keeps the filter clean like new. It even checks the breeding of mould and bacteria that causes unpleasant odours, and keeps you feeling fresh and comfortable all day long.
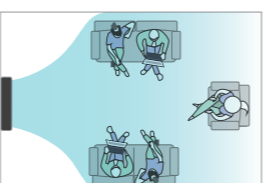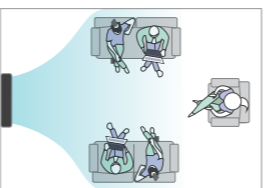
Dust on filter after a few days

Without Auto Filter Cleaning

With Auto Filter Cleaning

Ever powerful
Since it maintains the performance like that of a new air conditioner, the airflow remains the same even after a long duration of use. So that you can enjoy fresh air that reaches every corner of the room.

Reduced Cooling without iClean⁺

Consistent Cooling with iClean⁺

FrostWash Technology

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

Freeze
& Melt

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.
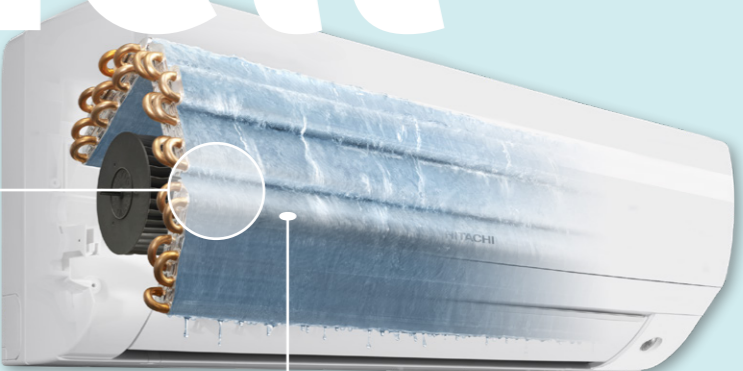
1

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

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.

Wall Mounted Split Systems

'S' SERIES

KEY FEATURES

PRESENCE SENSOR

POWERFUL MODE

WEEKLY TIME CLOCK

LEAVE HOME FUNCTION

4 WAY AIRFLOW

AUTO START

QUIET MODE

WASABI FILTER

AIR PURIFYING FILTER

WARRANTY — 6 YEARS

POWER TRACKING

ECO SLEEP MODE

ULTRA LOW STANDBY POWER MODE

FROSTWASH

Premium Wireless Controller

HITACHI

consumer. RECOMMENDS — Hitachi RAS-S25YHAB

consumer. RECOMMENDS — Hitachi RAS-S50YHAB

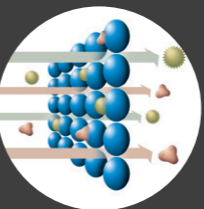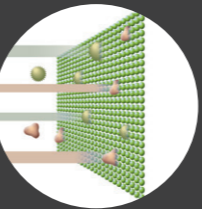Nano Titanium Pre-Filter

NANO TITANIUM PRE-FILTER

For those needing only the purest air quality, Hitachi's 'S' series features an additional Nano Titanium Pre-Filter as well as the unique Nano Titanium Wasabi Air Purifying Filter.

Nano Titanium Wasabi Air Purifying Filter

Anti-bacterial agents:

Nano Titanium

Conventional

● Bacteria   ◄ Odours

LEAVE HOME FUNCTION

Allows you to preset your air conditioner to start automatically if the internal temperature drops below a preset temperature (adjustable between 10-16C) while your not at home.

Ideal for use in locations that experience very cold conditions, this function can be instrumental in preventing the formation of dampness and mould.
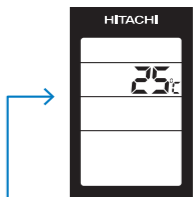
TRACKING POWER CONSUMPTION

The wireless controller enables you to monitor your air conditioner's power usage*, ensuring that there are no surprises when the electricity bill arrives.

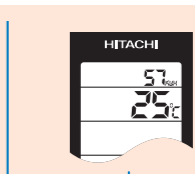*Approximate power consumption values are displayed and should not be considered as actual values.
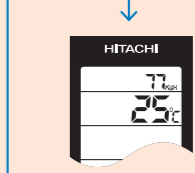
Power tracking indication

INFO

Press the info button
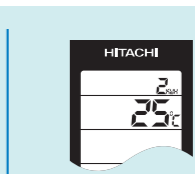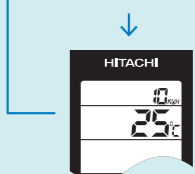
Temperature around remote controller

THIS month power consumption for HEATING (kWh)

LAST month power consumption for HEATING (kWh)

THIS month power consumption for COOLING (kWh)

LAST month power consumption for COOLING (kWh)

—

airCloud Home

A standard inclusion in the 'P' Series and an optional accessory for the 'S' and 'E' Series.

A SMARTER WAY TO CONTROL YOUR AIR CONDITIONER ANYTIME, 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 for convenient temperature management in the 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

SMART FENCE

Connect your air conditioner to your location and automatically stop and start your air conditioner as you leave and return home. With the new Smart-Fence Feature, airCloud Home provides comfort, energy savings and peace of mind. Users can set the Smart-Fence as per their preferences, including their home's fence perimeter distance and comfort temperature.

AS YOU ARRIVE HOME
Your air conditioner will turn on automatically, helping to create a comfortable welcoming indoor climate.

AS YOU LEAVE HOME
Your air conditioner will stop automatically or switch to a more economic temperature for optimal efficiency.

Command with your voice

Connect with your smart speaker.

airCloud Home is compatible with Amazon Alexa and Google Assistant, enabling you to change the temperature hands-free while you cook, clean, or exercise.

"Set air conditioner to 23°C"

JUST ASK alexa

works with the Google Assistant

Download today
Available on the App Store
ANDROID APP ON Google Play

www.aircloudhome.com

—

Optional Accessories

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.

Wall Mounted Split Systems

Features and options comparison table

	P SERIES	S SERIES	E SERIES
Efficiency - Series Comparison	High	High	Standard
Warranty	6 Years	6 Years	6 Years
Scene Camera	●	–	–
Smart Swing by Scene Camera	●	–	–
Air Sleep	●	–	–
Auto Filter Clean Robot	●	–	–
3D Airflow	●	–	–
Wavy Blade Tangential Fan	●	–	–
Wifi connectivity	●	■	■
Automatic FrostWash	●	●	–
Built-in motion sensor	●	●	–
Motion detect eco mode	●	●	–
Eco sleep mode	●	●	–
24/7 time clock function	●	●	□
Power tracking display	●	●	□
24 HR On/Off timer	●	●	□
Operation mode lock	●	●	□
Air Filter	Stainless Steel	Nano Titanium	Mesh
Nano Titanium Wasabi filter	–	●	●
Leave home function	●	●	●
Fuzzy Logic Control	●	●	●
Basic eco mode function	●	●	●
Basic sleep mode	●	●	●
Manual FrostWash*	●	●	●
Powerful mode	●	●	●
4 way auto swing (up-down/left-right)	●	●	●
Auto restart function	●	●	●
12hr timer control	●	●	●

● STANDARD
□ OPTIONAL WITH PREMIUM CONTROLLER
■ OPTIONAL ACCESSORY
- NOT AVAILABLE

* Manual FrostWash not available in RAS-E50YHAC

Wall Mounted Split Systems

What size air conditioner do you need?

HITACHI SIZING GUIDE

No matter where you are in New Zealand Hitachi have the air conditioner to perfectly match your home and location.

Room Size (m²)	Average NZ Room Type			
10	Single Bedroom	RAS-25	RAS-25	RAS-25
15	Double Bedroom	RAS-25	RAS-25	RAS-25
20	Large Double Bedroom	RAS-25	RAS-25	RAS/RAF-35
25	Small Lounge / Family	RAS/RAF-35	RAS/RAF-35	RAS/RAF-35
30	Average Lounge	RAS/RAF-35	RAS/RAF-35	RAS/RAF-50
35	Average Lounge	RAS/RAF-50	RAS/RAF-50	RAS-60
40	Large Lounge	RAS/RAF-50	RAS-60	RAS-60
45	Large Lounge	RAS-60	RAS-60	RAS-70
50	Open Plan Space	RAS-60	RAS-70	RAS-80
55	Open Plan Space	RAS-70	RAS-80	RAS-80
60	Large Open Plan Space	RAS-70	RAS-80	
65	Large Open Plan Space	RAS-80		
70	Large Open Plan Space	RAS-80		

Applicable to P, S & E Series units.

Sizes are a guide only and based on a moderate to well insulated house with an average percentage of window area for the room type and a ceiling height of 2.7m max. The final selection must be verified by the installation contractor.

Wall Mounted Split Systems

P Series - Tech Data

6 YEAR WARRANTY

MODEL			
Indoor	RAS-P25YHAB	RAS-P35YHAB	RAS-P50YHAB
Outdoor	RAC-P25YHAB	RAC-P35YHAB	RAC-P50YHAB
Capacity kW			
Nominal Cooling	2.5	3.5	5.0
Nominal Heating	3.5	4.5	6.0
Capacity (Range) kW			
Cooling	0.9 ~ 3.5	0.9 ~ 4.1	0.9 ~ 6.0
Heating	0.9 ~ 5.5	0.9 ~ 6.0	1.0 ~ 7.5
Air Flow l/sec			
Cooling - l / Sec (H/M/L/SL)	145/120/105/90	190/135/120/100	230/175/131/100
Heating - l / Sec (H/M/L/SL)	180/141/110/95	220/160/135/101	260/225/131/110
Energy Efficiency *			
EER	5.21	4.67	3.79
COP	5.32	4.89	4.32
Star Rating Cooling (Cold Zone)	5.0	5.0	3.5
Star Rating Heating (Cold Zone)	3.0	3.0	2.0
Sound Levels (dB(A))			
Indoor Unit (Sound Pressure)			
Cooling - Hi / Med / Lo / Sleep	40/33/24/22	43/36/29/24	46/38/31/28
Heating - Hi / Med / Lo / Sleep	41/33/24/20	44/36/29/22	46/38/31/26
Outdoor Unit			
Cooling / Heating (Sound Pressure)	47/-	48/-	50/-
Sound Power	60	61	63
Dimensions (mm)			
Indoor (W x H x D)	997 x 294 x 294	997 x 294 x 294	997 x 294 x 294
Outdoor (W x H x D)	792 x 600 x 299	792 x 600 x 299	800 x 736 x 350
Weights (kg)			
Indoor / Outdoor	13.5 / 37.5	13.5 / 37.5	13.5 / 51.7
Operating Range			
Outdoor Op. Temp. (Cooling)	-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
Refrigerant Type	R32		
Pipe Sizes (mm)	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.7
Refig pre charge length (m)	20	20	30
Min / Max Pipe Length / Lift (m)	3 / 20 / 10	3 / 20 / 10	3 / 30 / 10
Power			
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase		
Rated Power Input - Cooling (kW)	0.48	0.75	1.32
Power Input Range - Cooling (kW)	0.25 ~ 1.0	0.25 ~ 1.4	0.30 ~ 2.1
Rated Power Input - Heating (kW)	0.62	0.88	1.39
Power Input Range - Heating (kW)	0.25 ~ 1.5	0.25 ~ 2.0	0.30 ~ 2.7
Running current (C / H) (Rated Amps)	3.10 / 4.42	3.71 / 4.50	5.74 / 6.04
Max Current (Amps)	9.8	9.8	10.5
Power supply To	Outdoor Unit		
Interconnecting Wire	3 Core + E		

2.5 - 5.0kW

RAS/RAC-P25YHAB
RAS/RAC-P35YHAB
RAS/RAC-P50YHAB

$R32$ **Outdoor unit**
REFRIGERANT (RAC-P50YHAB)

Premium Wireless Controller

6 YEAR WARRANTY

Wall Mounted Split Systems

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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.
*Star Ratings based on 2019 GEMS determination.

S Series - Tech Data

6 YEARS
6 YEAR WARRANTY

MODEL						
Indoor	RAS-S25YHAB	RAS-S35YHAB	RAS-S50YHAB	RAS-S60YHAB	RAS-S70YHAB	RAS-S80YHAB
Outdoor	RAC-S25YHAB	RAC-S35YHAB	RAC-S50YHAB	RAC-S60YHAB	RAC-S70YHAB	RAC-S80YHAB
Capacity kW						
Nominal Cooling	2.5	3.5	5.0	6.0	7.0	8.0
Nominal Heating	3.2	3.8	6.0	7.0	8.0	9.0
Capacity (Range) kW						
Cooling	0.9 - 3.1	0.9 - 4.0	1.2 - 5.8	1.2 - 6.5	1.5 - 8.0	1.5 - 8.5
Heating	0.9 - 4.2	0.9 - 4.8	1.2 - 6.8	1.2 - 8.0	1.5 - 8.5	1.5 - 9.5
Air Flow l/sec						
High Cooling	142	189	258	258	283	283
High Heating	158	217	250	250	300	300
Energy Efficiency						
EER	5.10	4.22	4.31	3.80	3.54	3.27
COP	5.08	4.94	4.29	4.05	4.04	3.80
Sound Levels (dB(A))						
Indoor Unit (Sound Pressure)						
Cooling - Hi / Med / Lo / Sleep	40 / 33 / 24 / 22	43 / 36 / 26 / 25	46 / 41 / 36 / 28	46 / 41 / 36 / 28	47 / 42 / 36 / 30	48 / 44 / 39 / 33
Heating - Hi / Med / Lo / Sleep	41 / 34 / 23 / 20	44 / 36 / 27 / 26	46 / 41 / 36 / 28	46 / 41 / 36 / 28	47 / 42 / 36 / 30	48 / 44 / 40 / 34
Outdoor Unit						
Cooling / Heating (Sound Pressure)	47 / 48	48 / 50	50 / 53	50 / 53	51 / 53	52 / 54
Sound Power	61	62	63	63	64	66
Dimensions (mm)						
Indoor (W x H x D)	780 x 280 x 230	780 x 280 x 230	1100 x 300 x 260	1100 x 300 x 260	1100 x 300 x 260	1100 x 300 x 260
Outdoor (W x H x D)	792 x 600 x 299	792 x 600 x 299	850 x 750 x 298	850 x 750 x 298	850 x 800 x 298	850 x 800 x 298
Weights (kg)						
Indoor / Outdoor	8.5 / 37.5	8.5 / 37.5	15 / 50	15 / 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)	-20°C to 21°C	-20°C to 21°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)	0.49	0.83	1.16	1.58	1.98	2.45
Power Input Range - Cooling (kW)	0.25 ~ 1.22	0.25 ~ 1.4	0.3 ~ 2.6	0.3 ~ 2.6	0.3 ~ 2.7	0.3 ~ 2.7
Rated Power Input - Heating (kW)	0.63	0.77	1.40	1.73	1.98	2.37
Power Input Range - Heating (kW)	0.25 ~ 1.2	0.25 ~ 1.6	0.3 ~ 2.65	0.3 ~ 2.65	0.5 ~ 2.8	0.5 ~ 2.8
Running current (C / H) (Amps)	1.09-5.30 / 1.09-5.22	1.09-6.09 / 1.09-6.96	2.31-8.55 / 1.67-9.66	2.31-8.55 / 1.67-9.66	2.50-9.79 / 2.19-10.72	2.50-9.79 / 2.19-10.72
Max Current (Amps)	9.8	9.8	10.5	10.5	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.

5.0 - 8.0kW
RAS/RAC-S50YHAB
RAS/RAC-S60YHAB
RAS/RAC-S70YHAB
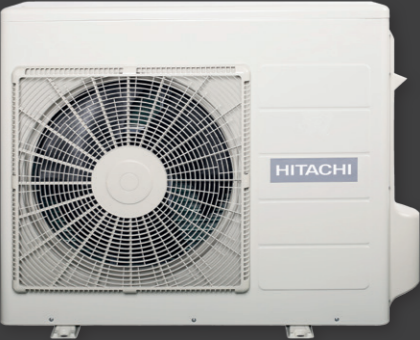RAS/RAC-S80YHAB

2.5 - 3.5kW
RAS/RAC-S25YHAB
RAS/RAC-S35YHAB

consumer. RECOMMENDS Hitachi RAS-S50YHAB
consumer. RECOMMENDS Hitachi RAS-S25YHAB
consumer. RECOMMENDS Hitachi RAS-S35YHAB

FROSTWASH

Premium Wireless Controller

6 YEARS
6 YEAR WARRANTY

Outdoor unit
(RAC-S50YHAB)

R32 REFRIGERANT

19

Wall Mounted Split Systems

E Series - Tech Data

MODEL						
Indoor	RAS-E25YHAB	RAS-E35YHAB	RAS-E50YHAC*	RAS-E60YHAB	RAS-E70YHAB	RAS-E80YHAB
Outdoor	RAC-E25YHAB	RAC-E35YHAB	RAC-E50YHAC	RAC-E60YHAB	RAC-E70YHAB	RAC-E80YHAB
Capacity kW						
Nominal Cooling	2.5	3.5	5.0	6.0	7.0	8.0
Nominal Heating	3.2	4.0	6.2	7.0	8.0	9.0
Capacity (Range) kW						
Cooling	1.0 - 3.2	1.0 - 4.0	1.2 - 5.8	1.2 - 6.5	1.5 - 8.0	1.5 - 8.5
Heating	1.0 - 4.5	1.0 - 5.0	1.2 - 6.8	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	242/183/137/100	233/183/133/100	283/250/183/150	283/250/183/150
Energy Efficiency $^+$						
EER	4.55	3.85	3.38	3.33	3.41	3.27
COP	4.71	4.30	4.05	3.83	4.04	3.80
Star Rating Cooling (Cold Zone)	3.5	3.5	3.5	3.0	3.5	3.0
Star Rating Heating (Cold Zone)	2.5	2.5	2.0	2.0	1.5	1.0
Sound Levels (dB(A))						
Indoor Unit (Sound Pressure)						
Hi / Med / Lo / Sleep	40 / 33 / 24 / 22	43 / 36 / 26 / 25	49 / 42 / 33 / 30	49 / 42 / 33 / 30	48 / 42 / 36 / 30	49 / 44 / 39 / 33
Outdoor Unit						
Cooling / Heating (Sound Pressure)	46 / 47	47 / 48	50 / 53	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	900 x 300 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	850 x 750 x 298	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	11.5 / 50	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	1.48	1.80	2.05	2.45
Power Input Range - Cooling (kW)	0.25 ~ 1.29	0.25 ~ 1.46	0.3 ~ 2.1	0.3 ~ 2.6	0.3 ~ 2.7	0.3 ~ 2.7
Rated Power Input - Heating (kW)	0.68	0.93	1.48	1.83	1.98	2.37
Power Input Range - Heating (kW)	0.25 ~ 1.25	0.25 ~ 1.7	0.3 ~ 2.65	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	2.10-11.19/2.27-9.67**	7.95 / 8.07	9.00 / 8.07	10.8 / 10.45
Max Current (Amps)	7.0	8.1	10.5	12	12	12
Power supply To			Outdoor Unit			
Interconnecting Wire			3 Core + E			

*Manual FrostWash not available in RAS-E50YHAC

Rated capacity measured in accordance with AS/NZS 3823 conditions: Cooling: Indoor 27°C db / 19°C wb: Ambient 35°C db
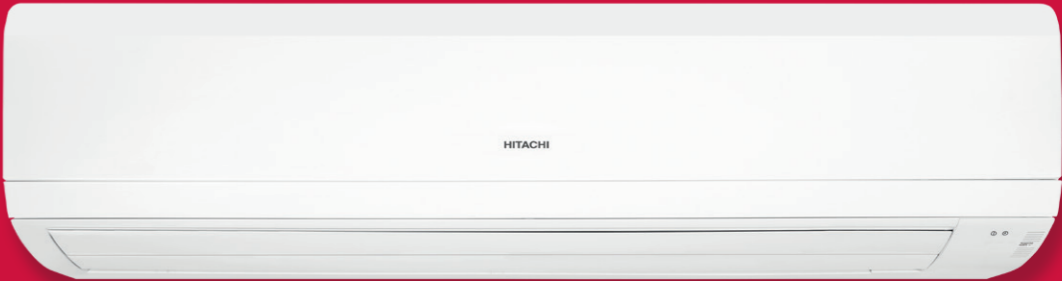Heating: Indoor 20°C db: Ambient 7°C db / 6°C wb

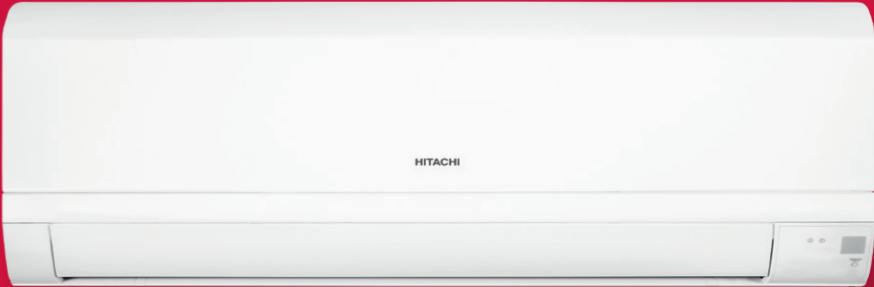Mains power source - AC 230V and 50Hz
**Running Current Range
Refer to Temperzone Warranty for full conditions.
*Star Ratings based on 2019 GEMS determination.

7.0 - 8.0kW
RAS/RAC-E70YHAB
RAS/RAC-E80YHAB

5.0 - 6.0kW
RAS/RAC-E50YHAC*
RAS/RAC-E60YHAB

*Manual FrostWash not available in RAS-E50YHAC

2.5 - 3.5kW
RAS/RAC-E25YHAB
RAS/RAC-E35YHAB

Wireless Controller*
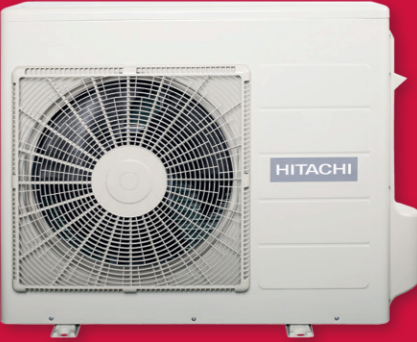
*RAS-E50YHAC controller differs from that shown

6 YEARS

6 YEAR
WARRANTY

Outdoor unit
(RAC-E60YHAB)

R32
REFRIGERANT

Wall Mounted Split Systems

air

–
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6 YEARS
WARRANTY

Must be maintained in accordance with maintenance recommendations.

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