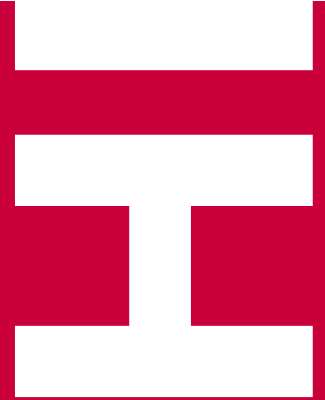
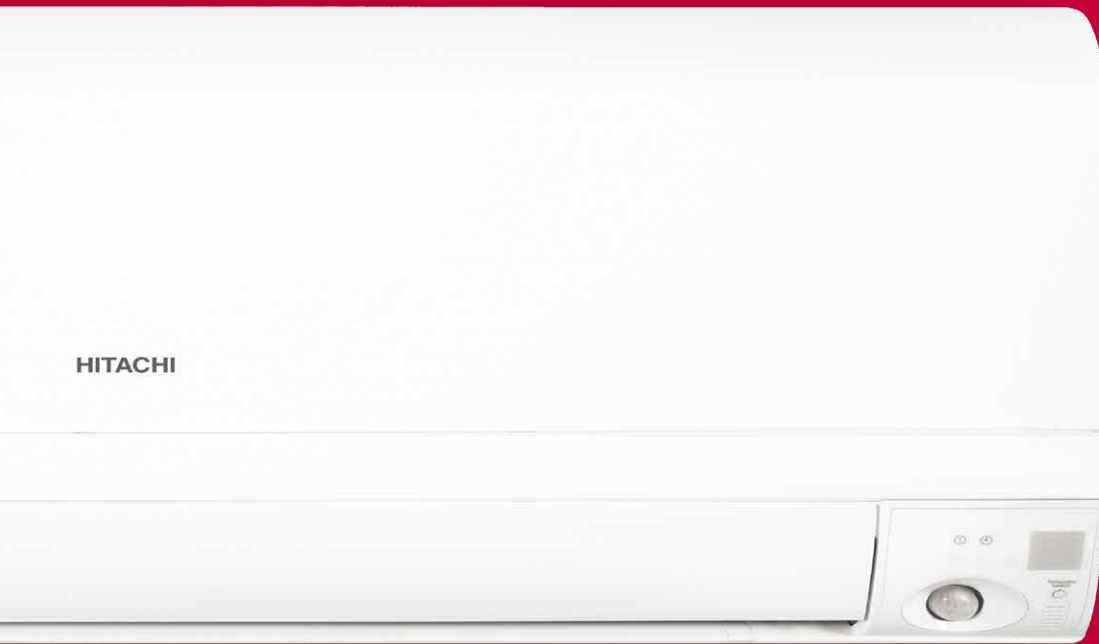


# Wall mounted Split Systems

Cooling & Heating

HITACHI



# 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.



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



A++  
COOLING & HEATING  
EFFICIENCY



4-WAY  
AIRFLOW



QUIET  
CONTROL





## Adding long term value to your day-to-day life.

Our approach is to make things simple, intuitive and straightforward. By continually testing and refining our products we offer useful improvements that really matter – whether it be during installation, on-going servicing or in the daily operation of your system.



EASY  
INSTALLATION



METAL  
FIREPROOF  
HOUSING



EASY ACCESS  
FOR SERVICING



AUTO RESTART  
AFTER POWER  
FAILURE



6 YEAR  
WARRANTY

# 'E' SERIES



COOLING energy rating\*



HEATING Energy Rating\*



Efficient and sleek design with flexible features that provide comfort all year round. The 'E' series offers a contemporary solution for all applications.

Standard Wireless Controller

\* Star ratings based on:  
RAS-E25YHA / RAC-E25YHA

Indoor unit: RAS-E25/E35YHA **R32**

# 'S' SERIES



COOLING energy rating\*



HEATING Energy Rating\*



With greater efficiency and advanced features, including the eco motion sensor and SPX-RCKA2 controller. The 'S' Series offers a premium solution to all applications.

SPX-RCKA2 Controller

\* Star ratings based on:  
RAS-S25YHA / RAC-S25YHA

Indoor unit: RAS-S25/S35YHA **R32**

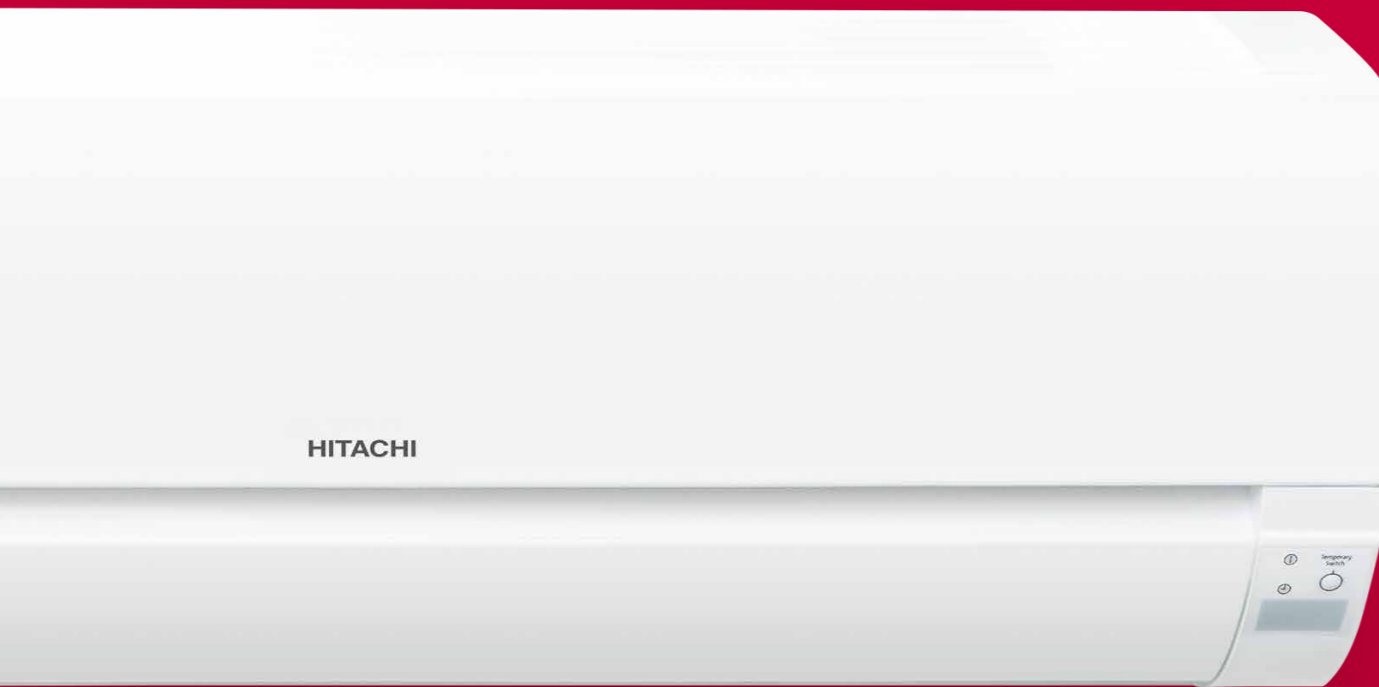


# 'E' & 'S' SERIES



## KEY FEATURES

- DC Inverter
- Wasabi Nano Titanium filter
- Eco mode functions
- Ultra low standby power mode
- 4 Way directional auto swing airflow
- 12hr timer remote control
- Comprehensive 6 year parts and labour warranty for your home or business
- Sleep mode
- Powerful mode



## 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.

## DC INVERTER TECHNOLOGY

A DC compressor offers improved performance during periods of extended operation. It also features a split rotor with displaced electrical poles, enabling the suppression of electromagnetic noise. Low-speed performance characteristics have also been improved, leading to significant reductions in annual running costs.

## NANO TITANIUM WASABI AIR PURIFYING FILTER

The 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 by around 99% and 95% respectively.**

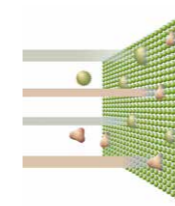
Incredibly small (about 5nm) and highly dense, wasabi-modified Nano Titanium particles prevent microbes from passing through and deactivate them effectively.

See figure below

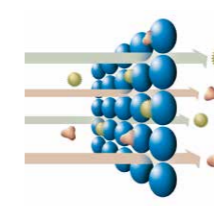
### Nano Titanium Wasabi Air Purifying Filter

#### Anti-bacterial agents:

Nano Titanium



Conventional



● Bacteria ● Odours

## 4 WAY AUTO DIRECTIONAL 3D AIR SWING

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.

## WHISPER QUIET

With the newly improved seamless fan control system, Hitachi's air conditioners assure extremely quiet and smooth fan speed changes for even more comfort.

## POWERFUL MODE

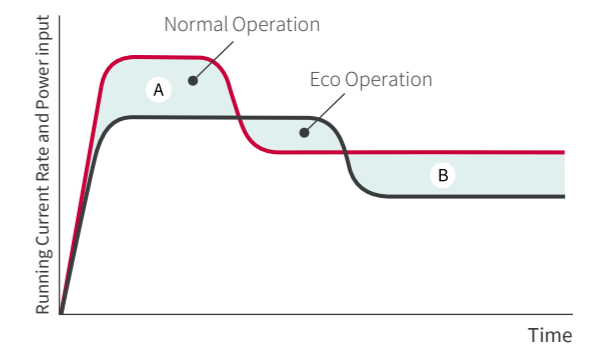
Powerful mode will run your system at maximum output for 20-minutes projecting airflow further and faster to cool or heat a room rapidly.

## 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.

See figure below

### Eco mode

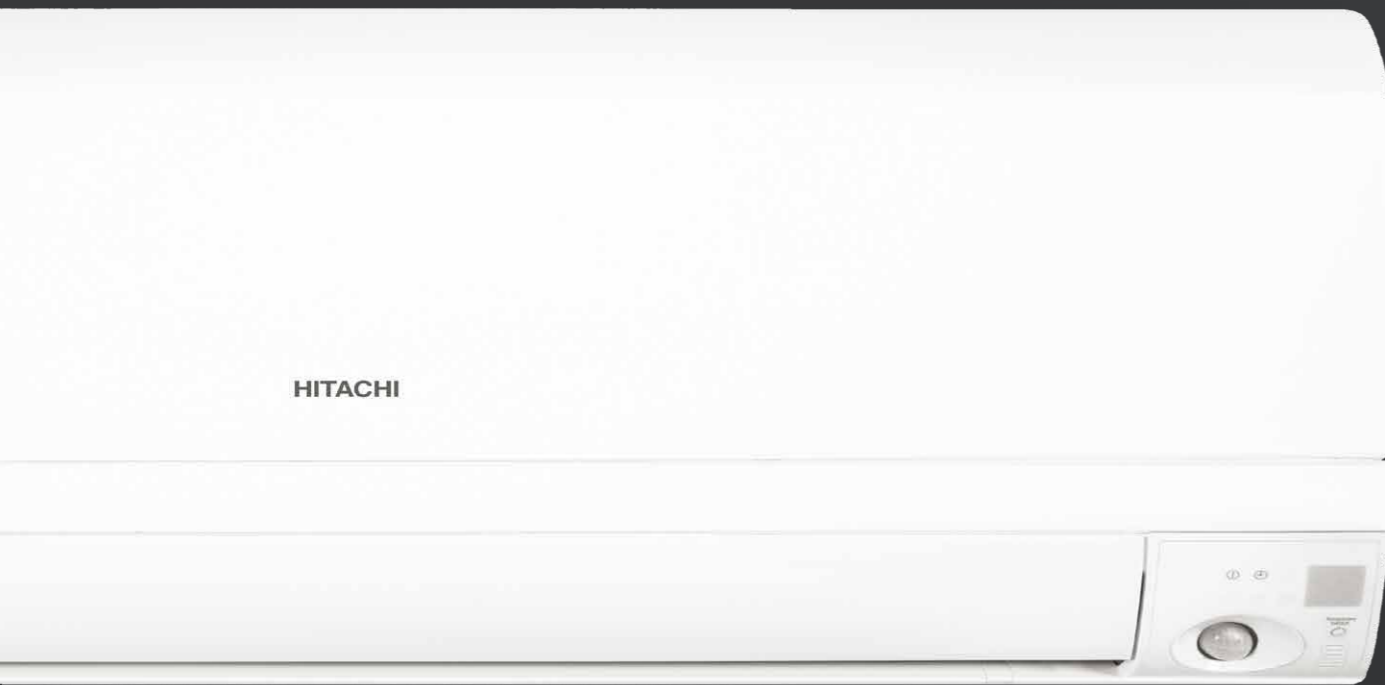


# 'S' SERIES



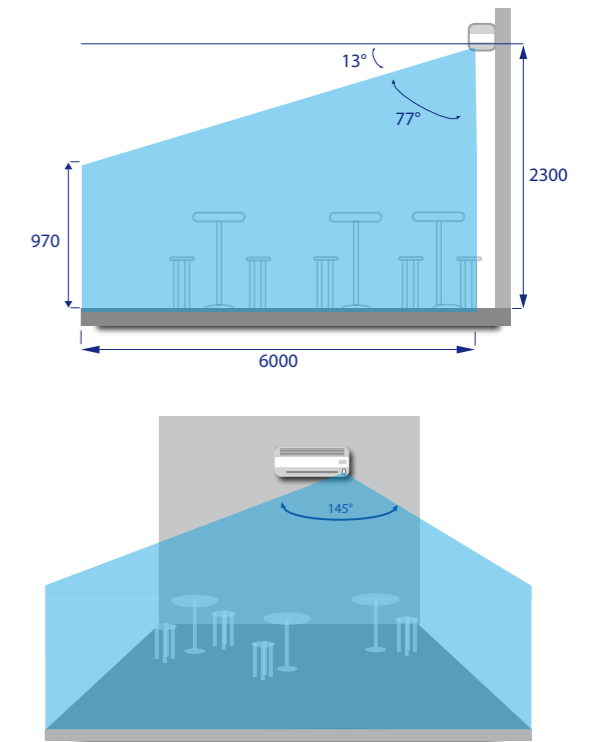
## KEY FEATURES

- Eco motion sensor with eco detect motion mode
- Nano Titanium Wasabi filter and Nano Titanium pre filter
- Sleep mode
- 24/7 programmable timer remote control
- DC Inverter
- 4 Way directional auto swing airflow
- Leave home function
- Power tracking display
- SPX-RCKA2 wireless controller
- Comprehensive 6 year parts and labour warranty for your home or business



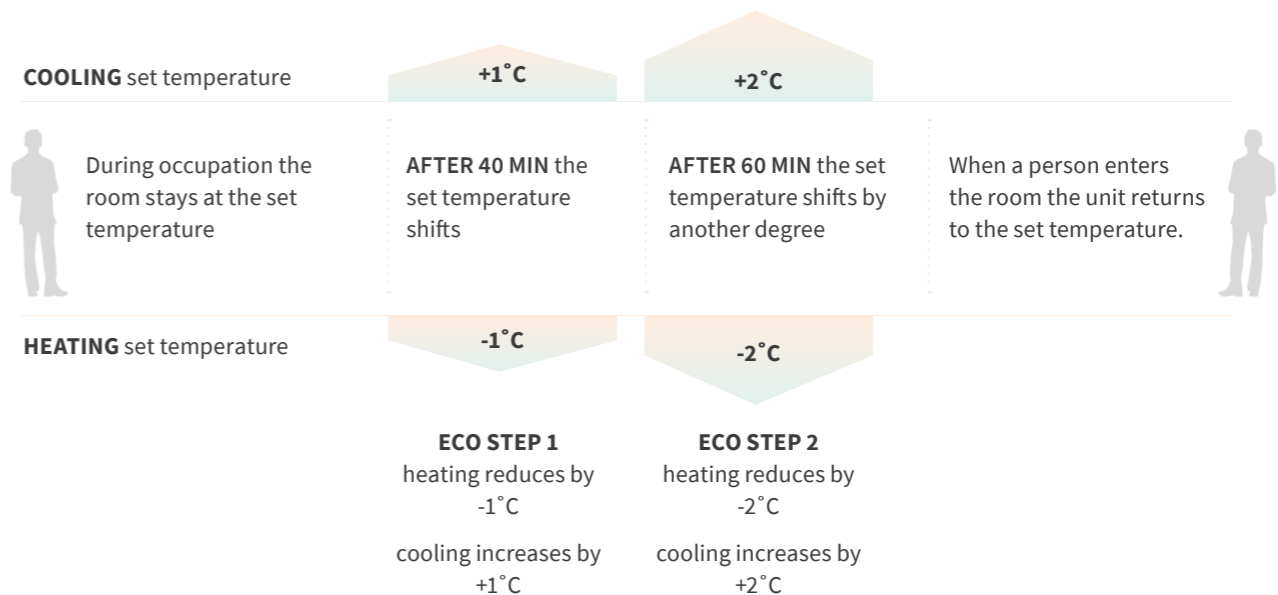
## BUILT-IN MOTION SENSOR WITH MOTION DETECT ECO MODE

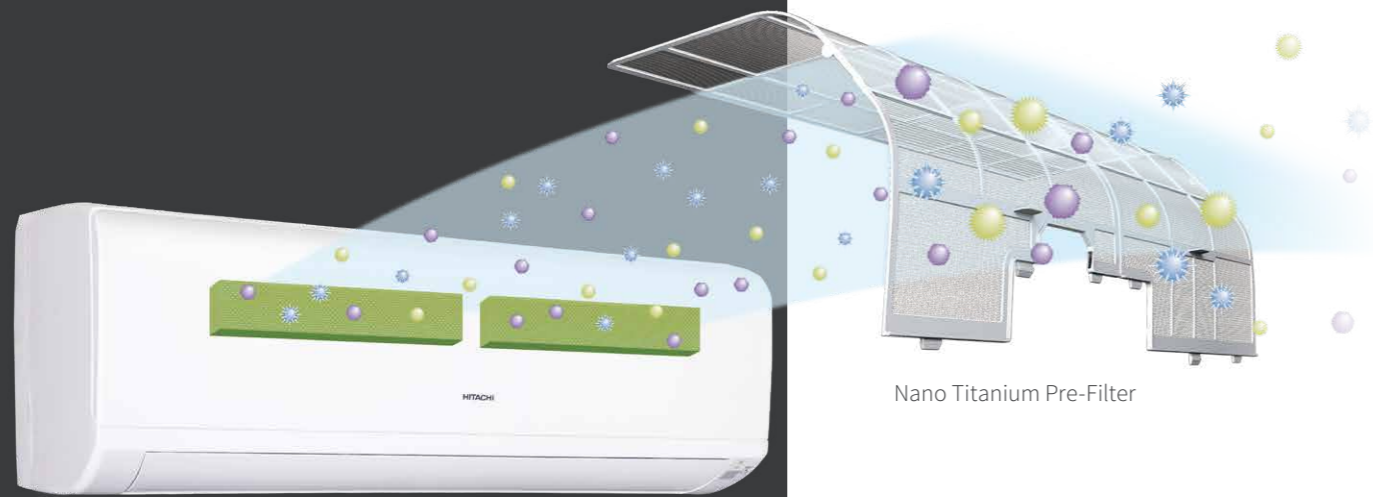
The unit adapts its temperature settings depending on people's absence or presence saving you power.



## Motion detect mode

The sensor detects human movement when someone is in the room, during this time the unit will remain at the set temperature. Once the unit does not detect any movement for 40 minutes the set temperature shifts as described below, to save you power.





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.

### LEAVE HOME FUNCTION

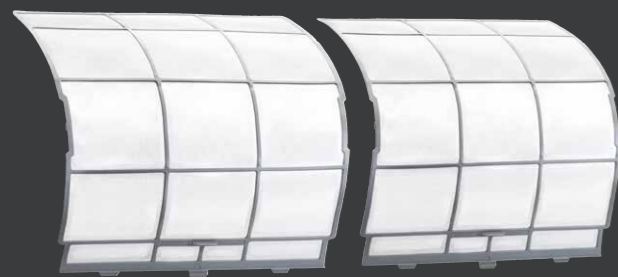
Allows you to preset your air conditioner to start automatically if the internal temperature drops to 10°C while you're not at home. Ideal for use in locations that experience very cold conditions, this function can be instrumental in preventing the formation of dampness and mould.

### 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.

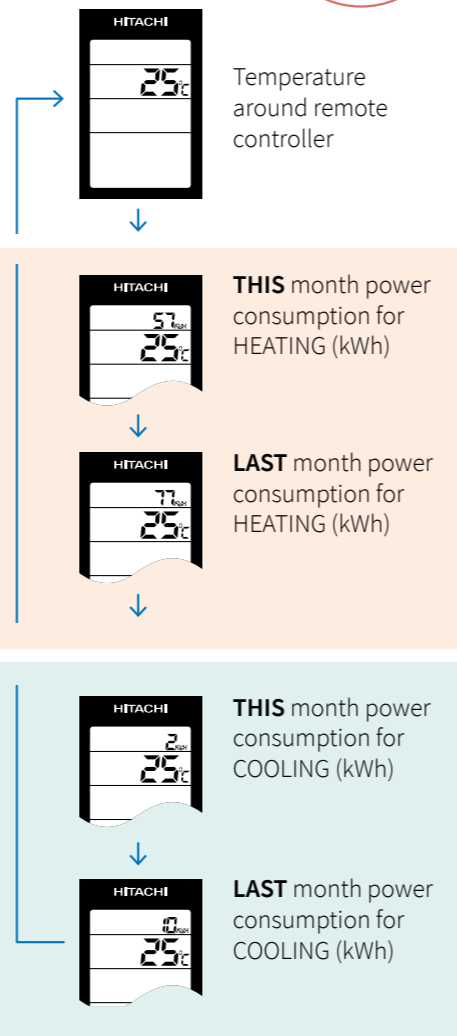
See to the right

### Nano Titanium Pre-Filter



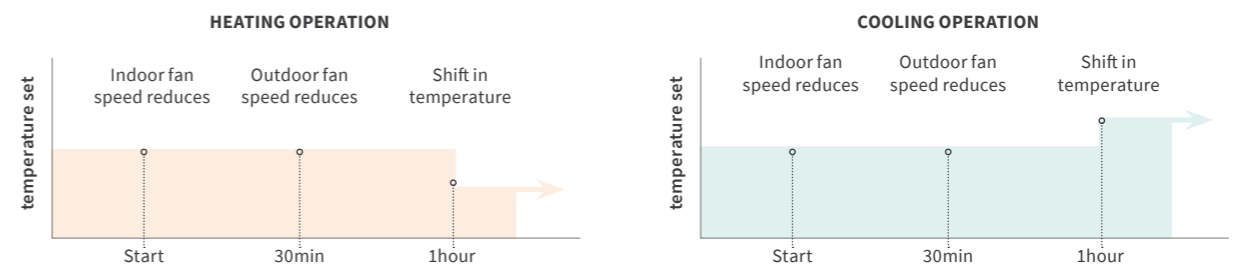
### Power tracking indication

Press the info button



### SLEEP MODE

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



### WEEKLY TIMER FUNCTION

Completely eliminating the need to manually control your air conditioner, the Weekly Timer function enables you to preset your unit to automatically turn on and off or change temperature to suit your weekly schedule. The seven-day timer function allows you to set up to six on/off time and temperature settings for each day of the week. You can even preset two seven-day schedules (mode A and B) and choose the desired schedule as required.

#### Example of a programmed seven day schedule over summer

TIME	MON	TUE	WED	THUR	FRI	SAT	SUN
6:00	1 ON / 23°C	ON / 23°C	ON / 23°C	ON / 23°C	ON / 23°C	1 ON / 23°C	
8:00	2 OFF	OFF	OFF	OFF	OFF		
10:00						2 OFF	
12:00	3 ON / 20°C	ON / 20°C	ON / 20°C	ON / 20°C	ON / 20°C		
14:00	4 OFF	OFF	OFF	OFF	OFF		
16:00							
18:00	5 ON / 20°C	ON / 20°C	ON / 20°C	ON / 20°C	ON / 20°C	3 ON / 20°C	
20:00							
22:00	6 OFF	OFF	OFF	OFF	OFF	4 OFF	

# Optional Accessories



## CARD KEY 'ON' AND 'OFF' FUNCTION

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-WKT 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
- temperature management orientation of the shutters
- ventilation speed
- choice of mode
- the "holiday" function: ensures an ideal temperature for your return thanks to the temperatures that you have previously recorded
- your annual consumption is saved and displayed.



## Hi-KUMO



Convenient and intuitive, Hi-Kumo is a remote control interface allowing you to control your Hitachi air conditioner from anywhere.

Optional accessory

### With this application, you can:

- Simply and quickly pair all your compatible Hitachi units
- Create in seconds a weekly schedule to minimise your energy consumption
- Ensure optimal comfort in your home by checking the temperature at a glance
- Change modes and temperature
- Change airflow and louvre positions remotely
- Benefit from a comfortable environment on your return from holiday by activating 'Holiday Mode'
- Remotely control if the unit is on or off





# Features and options comparison table

	S SERIES	E SERIES
Motion detect eco mode	●	-
Built-in motion sensor	●	-
Nano Titanium pre filter	●	-
Nano Titanium Wasabi filter	●	●
Basic eco mode function	●	●
Sleep mode	●	●
Powerful mode	●	●
Ultra low standby power	●	●
4 way auto swing (up-down/left-right)	●	●
Auto restart function if set on outdoor unit	●	●
Anti corrosion paint - outdoor unit	●	●
12hr timer control	●	●
24/7 time clock function	●	□
Leave home function	●	□
Power tracking display	●	□
SPX-RCKA2 wireless controller	●	■
Remote key card input	■	■
SPX-WKT3 wired controller	■	■
DRED Demand response module	■	■
Run and Alarm signal	■	■
Hi-Kumo wifi control	■	■

- STANDARD
- OPTIONAL WITH SPX-RCKA2
- OPTIONAL ACCESSORY
- NOT AVAILABLE



Technical specifications

# E series - Tech Data

<b>MODEL</b>						
Indoor	RAS-E25YHA	RAS-E35YHA	RAS-E50YHA	RAS-E60YHA	RAS-E70YHA	RAS-E80YHA
Outdoor	RAC-E25YHA	RAC-E35YHA	RAC-E50YHA	RAC-E60YHA	RAC-E70YHA	RAC-E80YHA
<b>Capacity kW</b>						
Nominal Cooling	2.5	3.5	5.0	6.0	7.0	8.0
Nominal Heating	3.2	4.0	6.0	7.0	8.0	9.0
<b>Capacity (Range) kW</b>						
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 - 4.4	0.9 - 5.0	1.2 - 6.8	1.2 - 8.0	1.5 - 8.5	1.5 - 9.5
<b>Air Flow l/sec</b>						
High Cooling	142	189	200	200	283	283
High Heating	158	217	221	221	300	300
<b>Energy Efficiency</b>						
EER / AEER Cooling	4.51 / 4.49	3.75 / 3.74	3.52 / 3.50	3.41 / 3.39	3.48 / 3.47	3.33 / 3.32
COP / ACOP Heating	4.74 / 4.72	4.23 / 4.22	4.06 / 4.03	3.82 / 3.80	4.05 / 4.03	3.80 / 3.78
Star Rating Cooling	4.0	2.5	2.0	2.0	2.0	2.0
Star Rating Heating	4.5	3.5	3.5	3.0	3.5	3.0
<b>Noise Levels (dB(A)) Cooling</b>						
<b>Indoor Unit</b>						
Hi / Med / Lo / Sleep	40 / 33 / 24 / 22	43 / 36 / 26 / 25	47 / 39 / 33 / 26	48 / 42 / 33 / 30	47 / 42 / 36 / 30	48 / 44 / 39 / 33
<b>Outdoor Unit</b>						
Cooling / Heating	46 / 47	47 / 48	50 / 53	50 / 53	51 / 53	52 / 54
<b>Dimensions (mm)</b>						
Indoor (W x H x D)	780 x 280 x 218	780 x 280 x 218	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
<b>Weights (kg)</b>						
Indoor / Outdoor	8.5 / 34	8.5 / 34	11.5 / 50	11.5 / 50	15 / 52	15 / 52
<b>Operating Range</b>						
Outdoor Op. Temp. (Cooling)	-10°C to 43°C	-10°C to 43°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
Outdoor Op. Temp. (Heating)	-15°C to 21°C	-15°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					
<b>Pipe Sizes (mm)</b>						
Refrig Pipe charge (m)	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.7	Ø6.35 / Ø12.7	Ø6.35 / Ø15.88	Ø6.35 / Ø15.88
Min / Max Pipe Lgth / Lift (m)	3 / 20 / 10	3 / 20 / 10	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20
<b>Power</b>						
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase					
<b>Rated Amps at 230v</b>						
Cooling / Heating	2.39 / 2.95	3.95 / 4.04	6.43 / 6.43	7.82 / 7.95	8.91 / 8.60	10.65 / 10.30
Power Supply To	Outdoor Unit					
Rec. Circuit Breaker (A)	15	15	20	20	20	20
Interconnecting Wire	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 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 db

Mains power source - AC 230V and 50Hz

Controllers and some control features differ from those featured in this brochure.

Refer to temperzone Warranty for full conditions.

## 7.0 - 8.0kW

RAS/RAC-E70YHA  
RAS/RAC-E80YHA



## 5.0 - 6.0kW

RAS/RAC-E50YHA  
RAS/RAC-E60YHA



## 2.5 - 3.5kW

RAS/RAC-E25YHA  
RAS/RAC-E35YHA



## Standard Wireless Controller

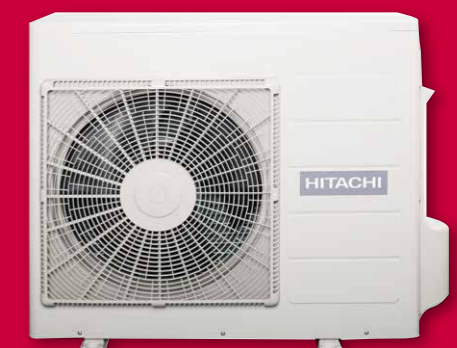
(RAR-5FA1)



## Outdoor unit

(RAC-E50YHA)

**R32**



# S series - Tech Data

<b>MODEL</b>						
Indoor	RAS-S25YHA	RAS-S35YHA	RAS-S50YHA	RAS-S60YHA	RAS-S70YHA	RAS-S80YHA
Outdoor	RAC-S25YHA	RAC-S35YHA	RAC-S50YHA	RAC-S60YHA	RAC-S70YHA	RAC-S80YHA
<b>Capacity kW</b>						
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
<b>Capacity (Range) kW</b>						
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
<b>Air Flow l/sec</b>						
High Cooling	142	189	200	200	283	283
High Heating	158	217	221	221	300	300
<b>Energy Efficiency</b>						
EER / AEER Cooling	5.10 / 5.07	4.12 / 4.11	4.32 / 4.28	3.84 / 3.82	3.53 / 3.51	3.42 / 3.41
COP / ACOP Heating	5.20 / 5.18	4.84 / 4.83	4.41 / 4.38	4.18 / 4.15	4.06 / 4.04	3.92 / 3.90
Star Rating Cooling	5.5	3.5	4.0	3.0	2.5	2.0
Star Rating Heating	5.5	5.0	4.0	3.5	3.5	3.0
<b>Noise Levels (dB(A)) Cooling</b>						
<b>Indoor Unit</b>						
Hi / Med / Lo / Sleep	40 / 33 / 24 / 22	43 / 36 / 26 / 25	47 / 39 / 33 / 26	46 / 41 / 32 / 30	47 / 42 / 36 / 30	48 / 44 / 39 / 33
<b>Outdoor Unit</b>						
Cooling / Heating	47 / 48	48 / 50	50 / 53	50 / 53	51 / 53	52 / 54
<b>Dimensions (mm)</b>						
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
<b>Weights (kg)</b>						
Indoor / Outdoor	8.5 / 37.5	8.5 / 37.5	15 / 50	15 / 50	15 / 52	15 / 52
<b>Operating Range</b>						
Outdoor Op. Temp. (Cooling)	-10°C to 43°C	-10°C to 43°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C	-15°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					
<b>Pipe Sizes (mm)</b>						
Refrig Pipe charge (m)	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52	Ø6.35 / Ø12.7	Ø6.35 / Ø12.7	Ø6.35 / Ø15.88	Ø6.35 / Ø15.88
Min / Max Pipe Lgth / Lift (m)	3 / 20 / 10	3 / 20 / 10	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20
<b>Power</b>						
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase					
<b>Rated Amps at 230v</b>						
Cooling / Heating	2.13 / 2.79	3.60 / 3.34	5.04 / 6.08	6.87 / 7.52	8.60 / 8.60	10.65 / 10.30
Power Supply To	Outdoor Unit					
Rec. Circuit Breaker (A)	15	15	20	20	20	20
Interconnecting Wire	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 3 Core + E	1.5mm 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 db

Mains power source - AC 230V and 50Hz  
Refer to temperzone Warranty for full conditions.

## 5.0 - 8.0kW

RAS/RAC-S50YHA  
RAS/RAC-S60YHA  
RAS/RAC-S70YHA  
RAS/RAC-S80YHA



## 2.5 - 3.5kW

RAS/RAC-S25YHA  
RAS/RAC-S35YHA



## Wireless Controller

(SPX-RCKA2)



## Outdoor unit

(RAC-S50YHA)

R32



# Floor mounted - Tech Data

## MODEL

Indoor	RAF-35NXA1	RAF-50NXA1
Outdoor	RAC-35NXA1	RAC-50NXA1
<b>Capacity kW</b>		
Nominal Cooling	3.5	5.0
Nominal Heating	4.2	6.0
<b>Capacity (Range) kW</b>		
Cooling	1.1 - 4.2	1.1 - 5.2
Heating	1.1 - 5.2	2.2 - 7.3
<b>Air Flow l/sec</b>		
Hi / Med / Lo / Sleep	167 / 138 / 111 / 92	180 / 147 / 120 / 103
<b>Energy Efficiency</b>		
EER / AEER Cooling	3.80 / 3.74	3.33 / 3.29
COP / ACOP Heating	3.95 / 3.89	3.87 / 3.83
Star Rating Cooling	2.5	2.0
Star Rating Heating	3.0	3.0
<b>Noise Levels (dB(A))</b>		
<b>Indoor Unit</b>		
Hi / Med / Lo / Sleep	42 / 35 / 29 / 25	46 / 37 / 30 / 25
<b>Outdoor Unit</b>		
Cooling / Heating	47 / 49	52 / 52
<b>Dimensions (mm)</b>		
Indoor (W x H x D)	760 x 600 x 235	760 x 600 x 235
Outdoor (W x H x D)	841 x 548 x 335	887 x 600 x 345
<b>Weights (kg)</b>		
Indoor / Outdoor	14 / 36	14 / 40
<b>Operating Range</b>		
Outdoor Op. Temp. (Cooling)	-10°C to 43°C	-10°C to 43°C
Outdoor Op. Temp. (Heating)	-15°C to 21°C	-15°C to 21°C
Refrigerant Type	R410A	R410A
<b>Pipe Sizes (mm)</b>		
Refrig Pipe charge (m)	Ø9.52 / Ø6.35	Ø12.7 / Ø6.35
Min / Max Pipe Lgth / Lift (m)	20	20
	3 / 20 / 10	3 / 20 / 10
<b>Power</b>		
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase	230 - 240 Volt / 50 Hz / 1 Phase
<b>Run Amps / Phase (A/ph.)</b>		
Cooling / Heating	4.8 / 4.9	6.2 / 7.0
Power Supply To	Outdoor Unit	
Rec. Circuit Breaker (A)	16	16
Interconnecting Wire	1.5mm 2 Core + E	1.5mm 2 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 db  
 Mains power source - AC 230V and 50Hz

## 3.5 - 5.0kW

RAF/RAC-35NXA1  
 RAF/RAC-50NXA1



## Standard Wireless Controller\*

(RAR-3U1)



## Outdoor unit

(RAC-35NXA1)



\* Controllers and some control features differ from those featured in this brochure.

## Temperzone Ltd

### ENQUIRIES

[nz.sales@temperzone.com](mailto:nz.sales@temperzone.com)

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Wellington: (04) 569 3262  
Christchurch: (03) 379 3216

### 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

### HITACHI. CERTIFIED QUALITY



### HITACHI. TOTAL WARRANTY ON COMPRESSORS



WARRANTY

[hitachiheatpump.co.nz](http://hitachiheatpump.co.nz)

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



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