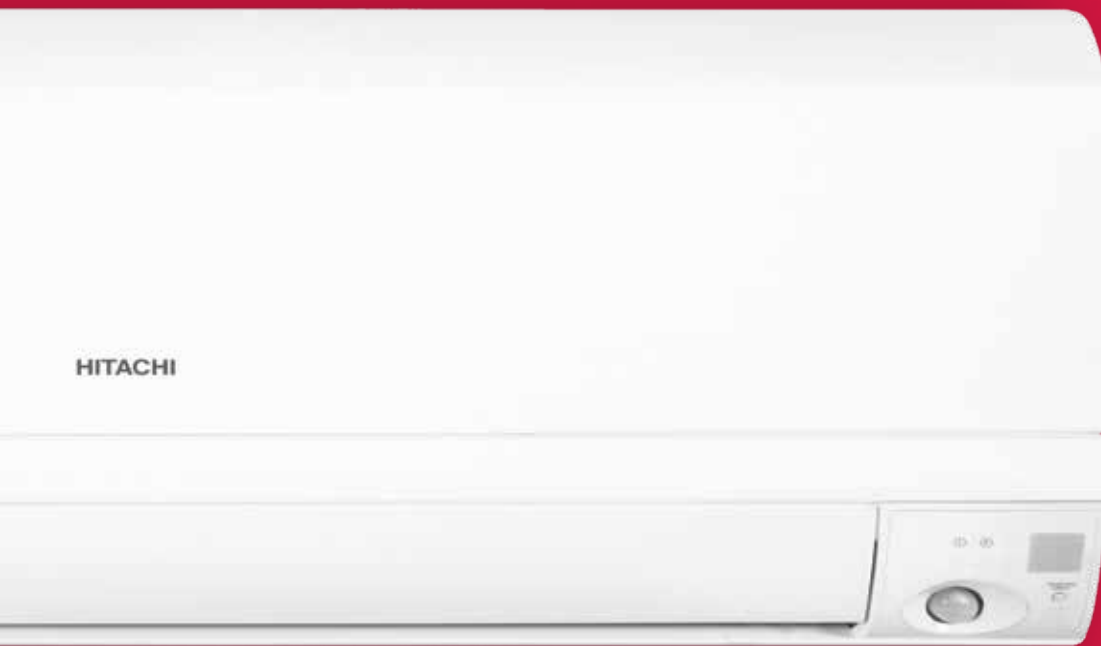


HITACHI

# Wall mounted Split Systems

Cooling & Heating



Life

# 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



REVERSE  
CYCLE



DIRECTIONAL  
AUTO SWING  
LOUVERS



AIR PURIFYING  
FILTER





# 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



EASY ACCESS  
FOR SERVICING



AUTO RESTART  
AFTER POWER  
FAILURE



5 YEAR  
WARRANTY

# 'S' SERIES



Indoor Unit: RAS-S25/S35YHA



Premium Remote Controller (SPX-RCKA2)

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.

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

**R32**  
REFRIGERANT



# 'E' SERIES



Indoor unit: RAS-E25/E35YHA



Wireless Remote Controller

COOLING Energy Rating\*



HEATING Energy Rating\*



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

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

**R32**  
REFRIGERANT

# 'S' SERIES



Premium Remote  
Controller  
(SPX-RCKA2)

## KEY FEATURES

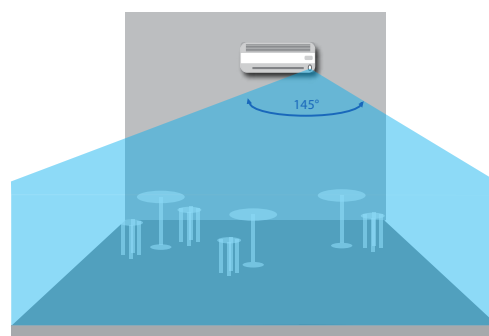
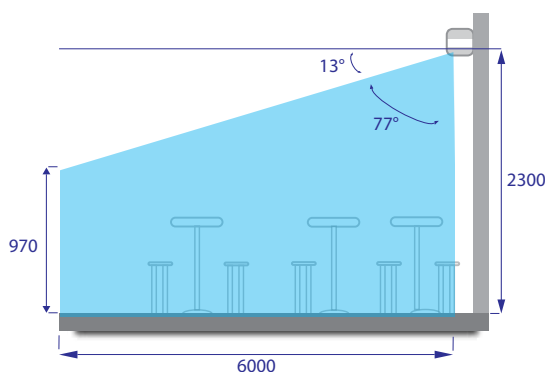
- Eco motion sensor with eco detect motion mode
- Nano Titanium Wasabi filter and Nano Titanium pre filter
- Eco sleep mode
- Weekly time clock
- DC Inverter
- 4 Way directional auto swing airflow
- Leave home function
- Power tracking display
- Air purifying filter
- Comprehensive 5 year parts and labour warranty for your home or business





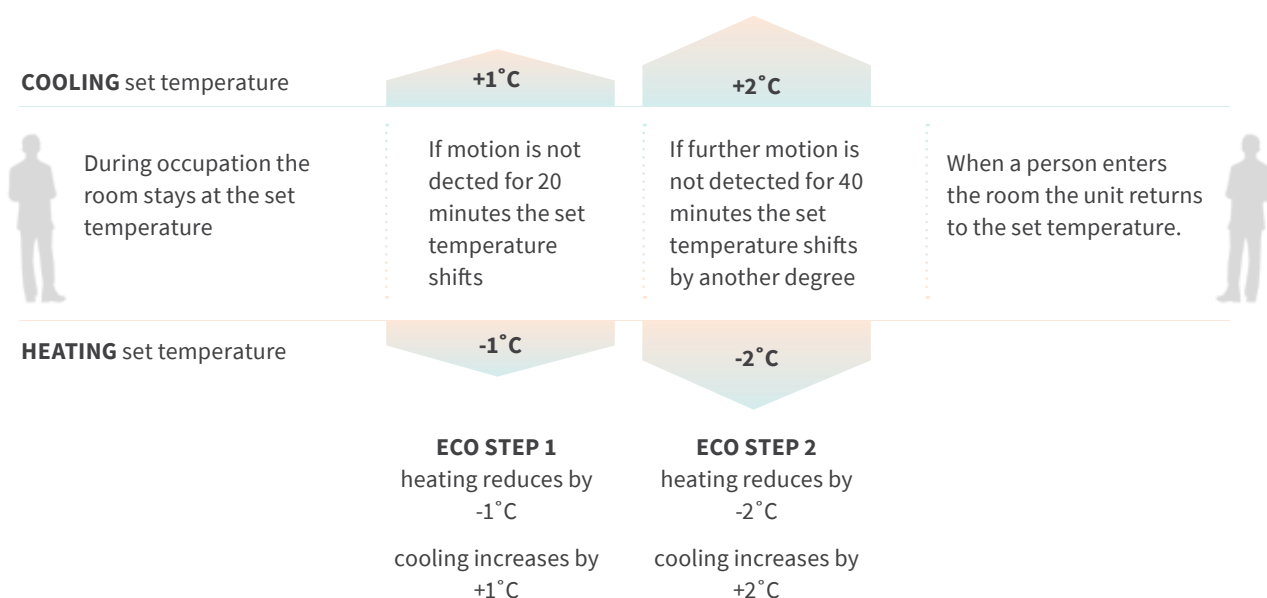
### BUILT-IN MOTION SENSOR WITH MOTION DETECT ECO MODE

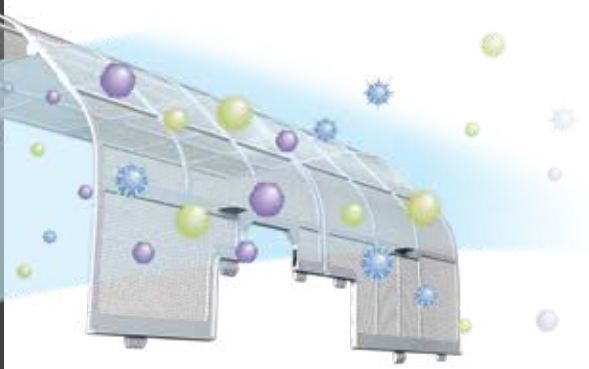
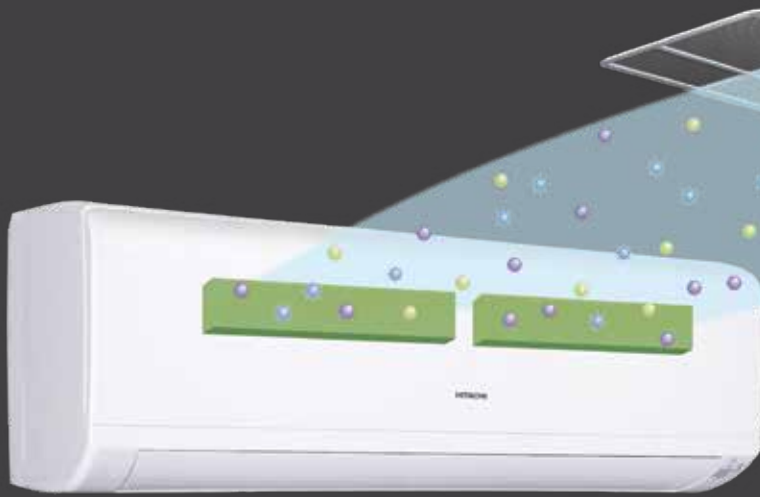
The unit adapts its temperature settings depending on people's absence or presence saving you power.



### 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 20 minutes the set temperature shifts as described below, to save you power.





Nano Titanium Pre-Filter

### NANO TITANIUM PRE-FILTER

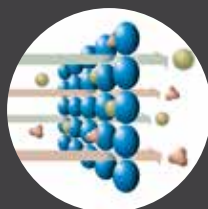
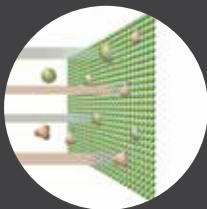
For those needing only the purest air quality, Hitachi's 'S' series features an additional Nano Titanium pre-filter as well as the unique Nano Titanium Wasabi air purifying filter.

### 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.

See to the right

### Power tracking indication

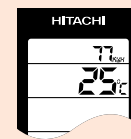
Press the info button



Temperature around remote controller



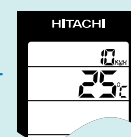
**THIS** month power consumption for HEATING (kWh)



**LAST** month power consumption for HEATING (kWh)



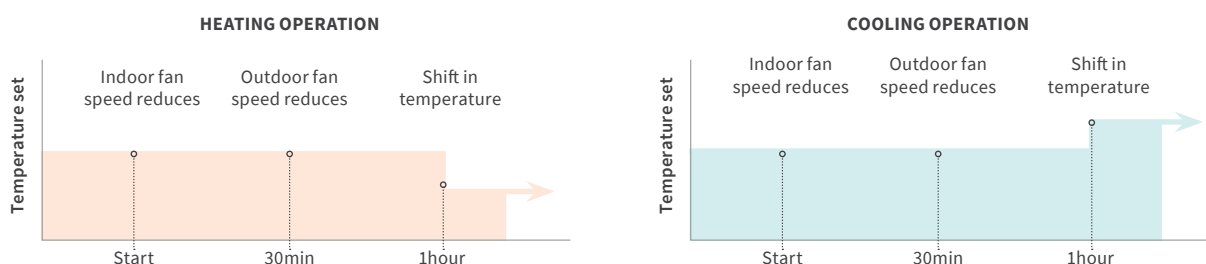
**THIS** month power consumption for COOLING (kWh)



**LAST** month power consumption for COOLING (kWh)

## 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.

This is useful for periods such as summer/ winter and extended holidays.

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

42 programs for each mode - 84 programs in total.

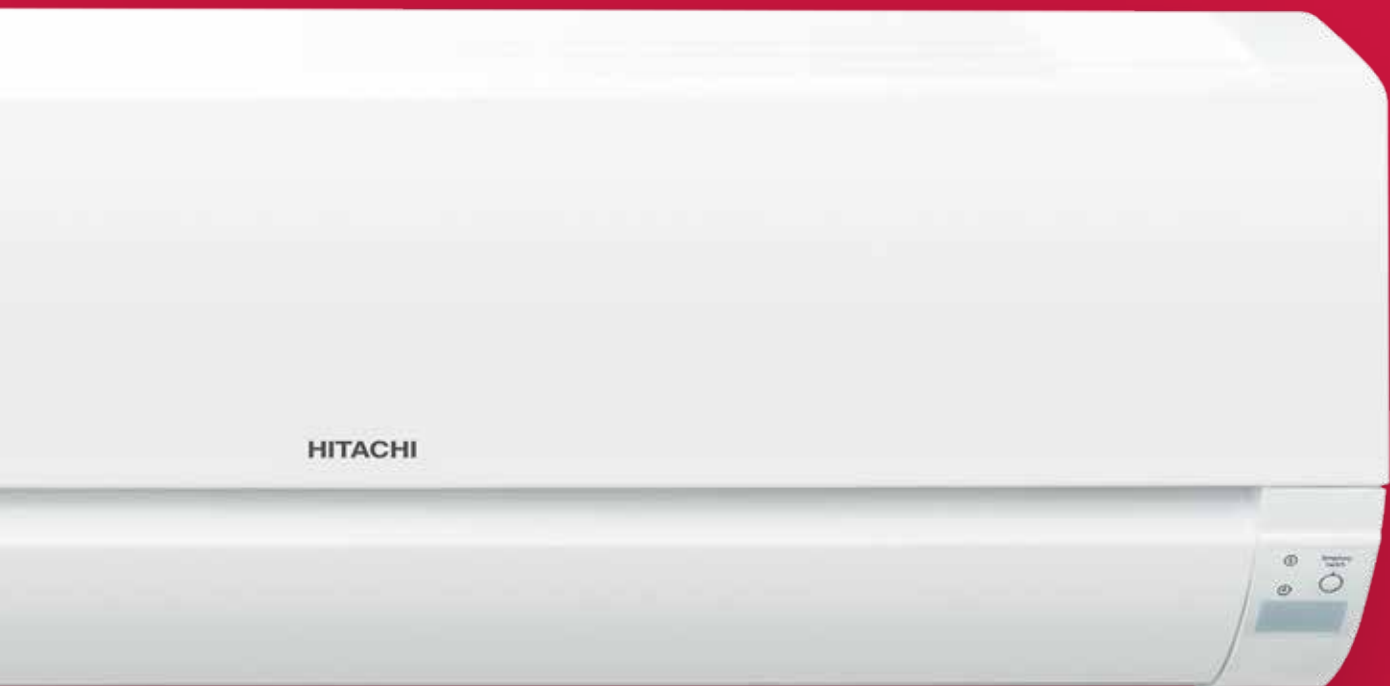
TIME	MON	TUE	WED	THUR	FRI	SAT	SUN
6:00	1 ON / 23°C	ON / 23°C	ON / 23°C	ON / 23°C	ON / 23°C	1 ON / 23°C	
8:00	2 OFF	OFF	OFF	OFF	OFF	2 OFF	
10:00							
12:00	3 ON / 20°C	ON / 20°C	ON / 20°C	ON / 20°C	ON / 20°C	3 ON / 20°C	
14:00	4 OFF	OFF	OFF	OFF	OFF		
16:00							
18:00	5 ON / 20°C	ON / 20°C	ON / 20°C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

# 'E' SERIES



## KEY FEATURES

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



### 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 efficient 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.

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

See figure below

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

### ECO MODE

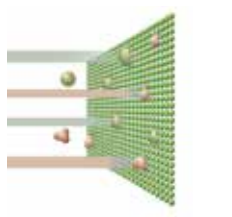
Programmed to run your system at a slightly reduced rate, Eco Mode helps keep your power consumption to a minimum enabling you to achieve significant energy savings.

See figure below

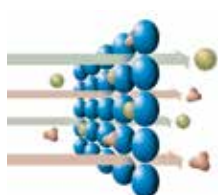
### Nano Titanium Wasabi Air Purifying Filter

#### Anti-bacterial agents:

Nano Titanium

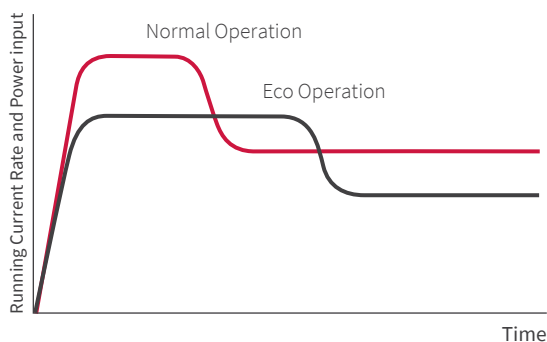


Conventional



● Bacteria    ● Odours

### Eco mode



# 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-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
- 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



# 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	●	●
Basic sleep mode	●	●
Eco sleep mode	●	-
Powerful mode	●	●
Ultra low standby power	●	●
4 way auto swing (up-down/left-right)	●	●
Auto restart function	●	●
12hr timer control	●	●
24/7 time clock function	●	□
Leave home function	●	□
Power tracking display	●	□
24 HR On/Off timer	●	□
One touch clean	●	□
Operation mode lock	●	□
SPX-RCKA2 wireless controller	●	■
Remote on/off input	■	■
SPX-WKT3 wired controller	■	■
DRED Demand response module	■	■
Run and fault signal	■	■

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



—  
**Technical  
specifications**



# S series - Tech Data

## MODEL

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	258	258	283	283
High Heating	158	217	250	250	300	300
<b>Energy Efficiency</b>						
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
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>Sound Levels (dB(A))</b>						
<b>Indoor Unit (Sound Pressure)</b>						
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
<b>Outdoor Unit</b>						
Cooling / Heating (Sound Pressure)	47 / 48	48 / 50	50 / 53	50 / 53	51 / 53	52 / 54
Sound Power	61	62	63	63	64	66
<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 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					
<b>Pipe Sizes (mm)</b>						
Refig pre charge length (m)	06.35 / 09.52	06.35 / 09.52	06.35 / 012.7	06.35 / 012.7	06.35 / 015.88	06.35 / 015.88
Min / Max Pipe Length / Lift (m)	20	20	30	30	30	30
Condensate Drain (mm (OD))	3 / 20 / 10	3 / 20 / 10	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20
16						
<b>Power</b>						
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	OutdoorUnit					
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 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**  
REFRIGERANT



# E series - Tech Data

## MODEL

Indoor Outdoor	RAS-E25YHA RAC-E25YHA	RAS-E35YHA RAC-E35YHA	RAS-E50YHA RAC-E50YHA	RAS-E60YHA RAC-E60YHA	RAS-E70YHA RAC-E70YHA	RAS-E80YHA 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 - 4.2	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	242	242	283	283
High Heating	158	217	221	221	300	300
<b>Energy Efficiency</b>						
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	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>Sound Levels (dB(A))</b>						
<b>Indoor Unit (Sound Pressure)</b>						
Cooling - 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
Heating - Hi / Med / Lo / Sleep	41 / 34 / 23 / 20	44 / 36 / 27 / 26	47 / 39 / 33 / 26	49 / 42 / 34 / 33	47 / 42 / 36 / 30	48 / 44 / 40 / 34
<b>Outdoor Unit</b>						
Cooling / Heating (Sound Pressure)	46 / 47	47 / 48	50 / 53	50 / 53	51 / 53	52 / 54
Sound Power	60	61	63	63	64	66
<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 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 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>	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					
<b>Power</b>						
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 ~ 2.6	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
Running Current (C / H) (Amps)	1.09-5.61 / 1.09-5.43	1.09-6.3 / 1.09-7.39	2.10-11.19 / 2.27-9.67	2.10-11.19 / 2.27-9.67	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 db  
 Mains power source - AC 230V and 50Hz  
 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**  
REFRIGERANT



# 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 / 113 / 92	180 / 147 / 120 / 103
<b>Energy Efficiency</b>		
EER / AEER Cooling	3.80 / 3.74	3.34 / 3.30
COP / ACOP Heating	3.96 / 3.90	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
Sound Power Level	64	67
<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 24°C	-15°C to 24°C
Refrigerant Type	R410A	R410A
<b>Pipe Sizes (mm)</b>		
Refrig pre charge length	Ø9.52 / Ø6.35	Ø12.7 / Ø6.35
Min / Max Pipe Length / Lift	20 3 / 20 / 10	20 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	4.12-4.5 / 4.61-5.04	6.36-6.93 / 6.99-7.62
Power Supply To Interconnecting Wire	OutdoorUnit 2 Core + E	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 Australia Pty Ltd

### ENQUIRIES

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### WARRANTY

Must be maintained in accordance with maintenance recommendations.

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