Wall mounted Split Systems

HITACHI

Cooling & Heating

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

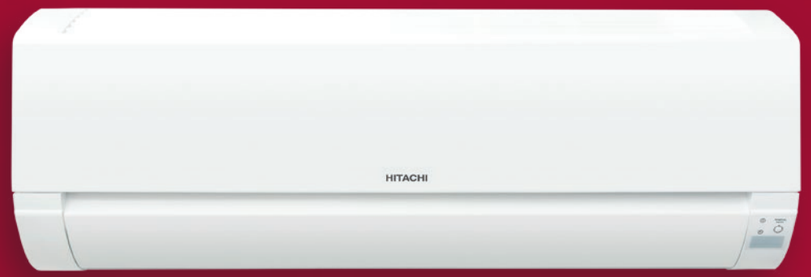
QUIET
CONTROL

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
- EASY ACCESS FOR SERVICING
- AUTO RESTART AFTER POWER FAILURE
- 5 YEAR WARRANTY

'E' SERIES



COOLING Energy Rating*

★★★★

HEATING Energy Rating*

★★★★½

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*

★★★★★½

HEATING Energy Rating*

★★★★★½

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

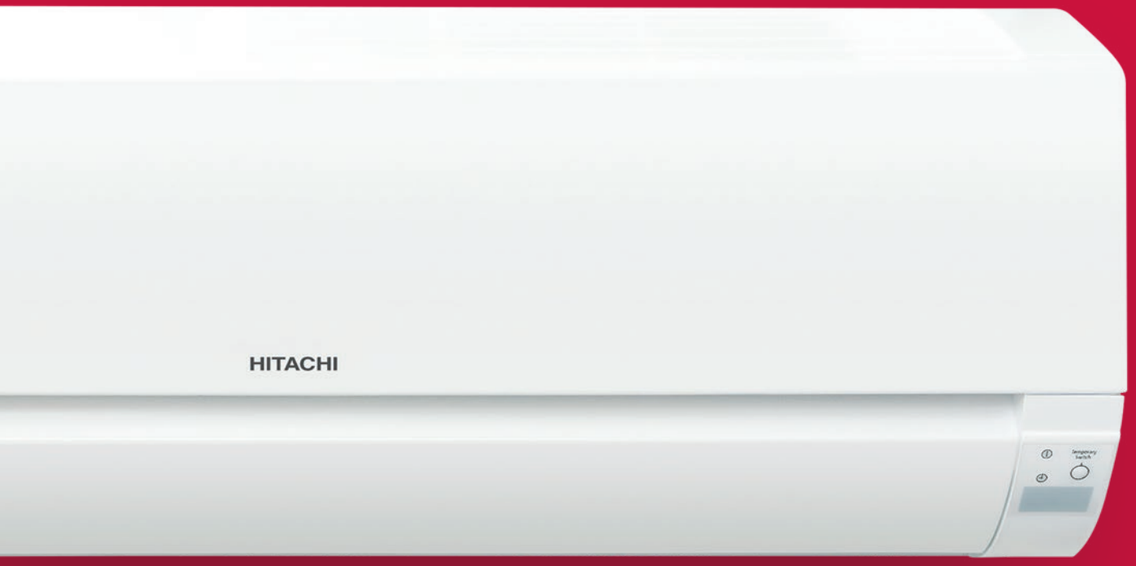
Indoor unit: RAS-S25/S35YHA R32

HITACHI

'E' 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 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 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

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.

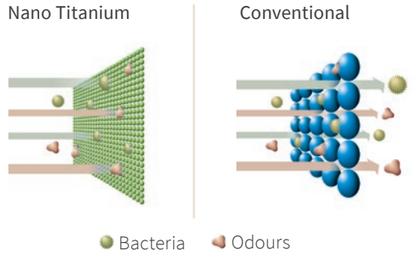
ECO MODE

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.

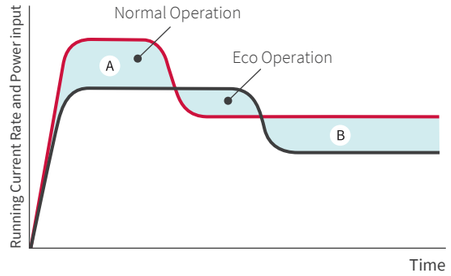
See figure below

Nano Titanium Wasabi Air Purifying Filter

Anti-bacterial agents:



Eco mode



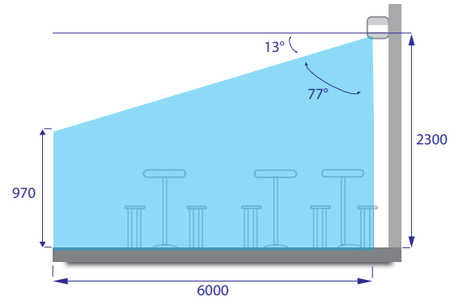
'S' SERIES

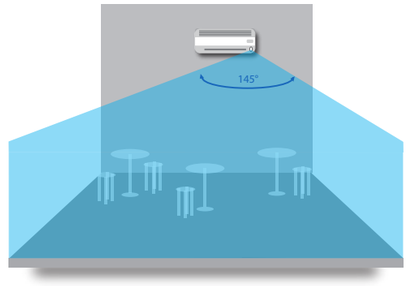
KEY FEATURES

- 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 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 40 minutes the set temperature shifts as described below, to save you power.

COOLING set temperature

+1˚C

+2˚C

During occupation the room stays at the set temperature

AFTER 40 MIN the set temperature shifts

AFTER 60 MIN the set temperature shifts by another degree

When a person enters the room the unit returns to the set temperature.

HEATING set temperature

-1˚C

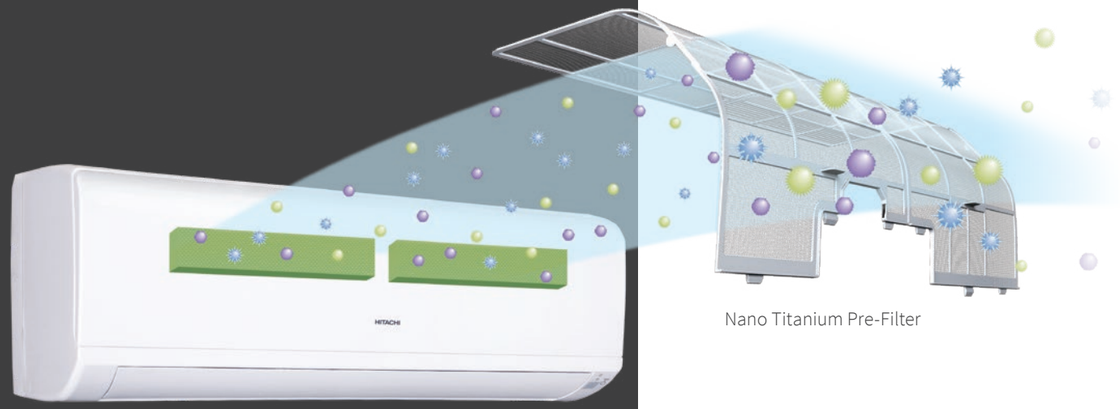
-2˚C

ECO STEP 1
heating reduces by -1˚C

cooling increases by +1˚C

ECO STEP 2
heating reduces by -2˚C

cooling increases by +2˚C



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

Power tracking indication

Press the info button

Temperature around remote controller

THIS month power consumption for HEATING (kWh)

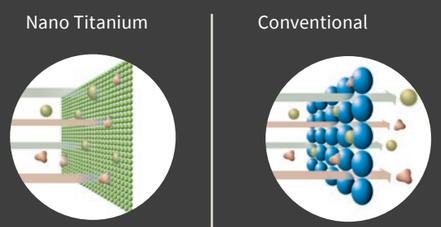
LAST month power consumption for HEATING (kWh)

THIS month power consumption for COOLING (kWh)

LAST month power consumption for COOLING (kWh)

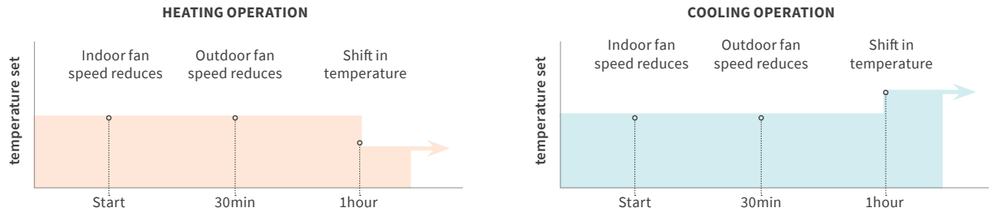
Nano Titanium Wasabi Air Purifying Filter

Anti-bacterial agents:



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	2 OFF	
10:00							
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

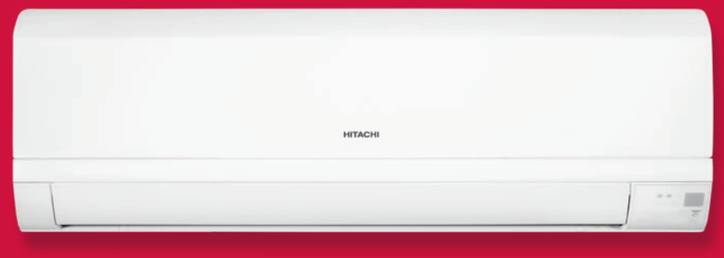
MODEL						
Indoor	RAS-E25YHA	RAS-E35YHA	RAS-E50YHA	RAS-E60YHA	RAS-E70YHA	RAS-E80YHA
Outdoor	RAC-E25YHA	RAC-E35YHA	RAC-E50YHA	RAC-E60YHA	RAC-E70YHA	RAC-E80YHA
Capacity kW						
Nominal Cooling	2.5	3.5	5.0	6.0	7.0	8.0
Nominal Heating	3.2	4.0	6.0	7.0	8.0	9.0
Capacity (Range) kW						
Cooling	0.9 - 3.1	0.9 - 4.0	1.2 - 5.8	1.2 - 6.5	1.5 - 8.0	1.5 - 8.5
Heating	0.9 - 4.4	0.9 - 5.0	1.2 - 6.8	1.2 - 8.0	1.5 - 8.5	1.5 - 9.5
Air Flow l/sec						
High Cooling	142	189	200	200	283	283
High Heating	158	217	221	221	300	300
Energy Efficiency						
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
Noise Levels (dB(A)) Cooling						
Indoor Unit						
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
Outdoor Unit						
Cooling / Heating	46 / 47	47 / 48	50 / 53	50 / 53	51 / 53	52 / 54
Dimensions (mm)						
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
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	-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					
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
Refrig Pipe charge (m)	20	20	30	30	30	30
Min / Max Pipe Lgth / Lift (m)	3 / 20 / 10	3 / 20 / 10	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20
Power						
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase					
Rated Amps at 230v						
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

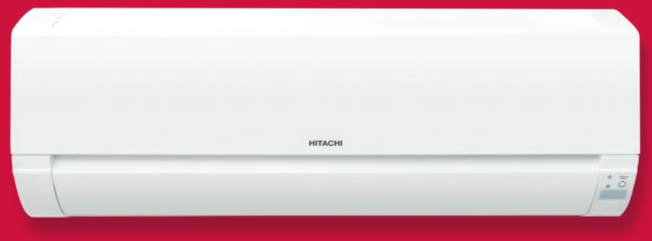
Mains power source - AC 230V and 50Hz
Controllers and some control features differ from those featured in this brochure.
Refer to temperzone Warranty for full conditions.

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

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
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	200	200	283	283
High Heating	158	217	221	221	300	300
Energy Efficiency						
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
Noise Levels (dB(A)) Cooling						
Indoor Unit						
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
Outdoor Unit						
Cooling / Heating	47 / 48	48 / 50	50 / 53	50 / 53	51 / 53	52 / 54
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	-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					
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
Refrig Pipe charge (m)	20	20	30	20	30	30
Min / Max Pipe Lgth / Lift (m)	3 / 20 / 10	3 / 20 / 10	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20	3 / 30 / 20
Power						
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase					
Rated Amps at 230v						
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

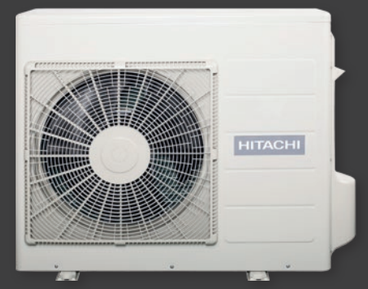
Wireless Controller

(SPX-RCKA2)

Outdoor unit

(RAC-S50YHA)

R32



HITACHI

Floor mounted - Tech Data

MODEL		
Indoor	RAF-35NXA1	RAF-50NXA1
Outdoor	RAC-35NXA1	RAC-50NXA1
Capacity kW		
Nominal Cooling	3.5	5.0
Nominal Heating	4.2	6.0
Capacity (Range) kW		
Cooling	1.1 - 4.2	1.1 - 5.2
Heating	1.1 - 5.2	2.2 - 7.3
Air Flow l/sec		
Hi / Med / Lo / Sleep	167 / 138 / 111 / 92	180 / 147 / 120 / 103
Energy Efficiency		
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
Noise Levels (dB(A))		
Indoor Unit		
Hi / Med / Lo / Sleep	42 / 35 / 29 / 25	46 / 37 / 30 / 25
Outdoor Unit		
Cooling / Heating	47 / 49	52 / 52
Dimensions (mm)		
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
Weights (kg)		
Indoor / Outdoor	14 / 36	14 / 40
Operating Range		
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
Pipe Sizes (mm)	Ø9.52 / Ø6.35	Ø12.7 / Ø6.35
Refrig Pipe charge (m)	20	20
Min / Max Pipe Lgth / Lift (m)	3 / 20 / 10	3 / 20 / 10
Power		
Power Supply	230 - 240 Volt / 50 Hz / 1 Phase	230 - 240 Volt / 50 Hz / 1 Phase
Run Amps / Phase (A/ph.)		
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.

Johnson Controls

HITACHI
Air conditioning solutions

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WARRANTY

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