HITACHI

'E' Series Wall Split Systems

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.

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.

REVERSE CYCLE

DIRECTIONAL AUTO SWING LOUVERS

AIR PURIFYING FILTER

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

EASY INSTALLATION

EASY ACCESS FOR SERVICING

AUTO RESTART AFTER POWER FAILURE

5 YEAR WARRANTY

'E' SERIES

Indoor unit: RAS-E25/E35YHA

COOLING Energy Rating*

★★★★

HEATING Energy Rating*

★★★★½

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

R32
REFRIGERANT

Wireless Remote Controller

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

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.

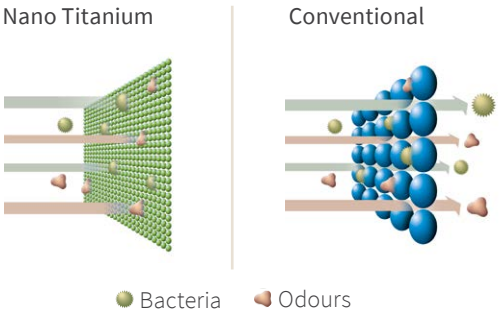
ECO MODE

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.

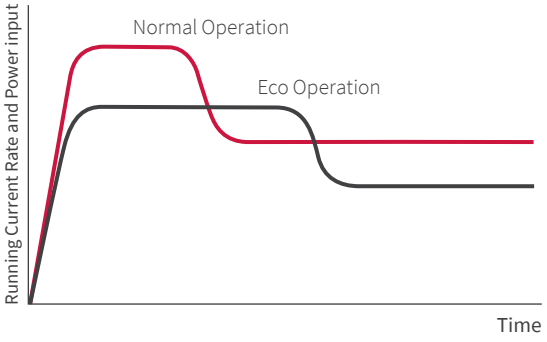
See figure below

Nano Titanium Wasabi Air Purifying Filter

Anti-bacterial agents:



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: deactivated the time clock to avoid operation when not required
- Your monthly consumption is saved and displayed
- Temperature limiting function
- Operation mode lock
- Error history

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

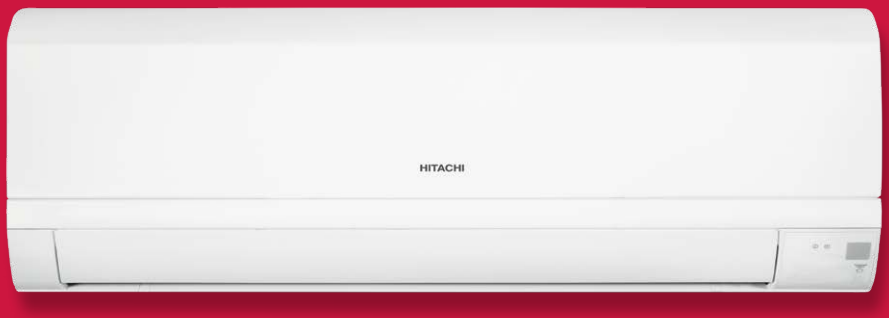
'E' Series features and options table

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	■
Hi-Kumo WiFi control	■

● STANDARD
□ OPTIONAL WITH SPX-RCKA2
■ OPTIONAL ACCESSORY
- NOT AVAILABLE

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

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
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 - 4.2	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	242	242	283	283
High Heating	158	217	221	221	300	300
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	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
Sound Levels (dB(A))						
Indoor Unit (Sound Pressure)						
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
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 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	-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					
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 ~ 2.6	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

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 / 113 / 92	180 / 147 / 120 / 103
Energy Efficiency		
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
Sound 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
Sound power level	64	67
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 24°C	-15°C to 24°C
Refrigerant Type	R410A	R410A
Pipe Sizes (mm)	Ø9.52 / Ø6.35	Ø12.7 / Ø6.35
Refig pre charge length (m)	20	20
Min / Max Pipe Length / 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	4.12-4.5 / 4.61-5.04	6.36-6.93 / 6.99-7.62
Power Supply To	OutdoorUnit	
Interconnecting Wire	2 Core + E	2 Core + E

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

Standard Wireless Controller

(RAR-3U1)

Outdoor unit

(RAC-35NXA1)

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

Johnson Controls

HITACHI
Air conditioning solutions

air

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5 YEARS
WARRANTY
Must be maintained in accordance with maintenance recommendations.

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