

airHome 400

Wall Mounted Inverter Heat Pump

HITACHI

The solution for those who don't
want to think about HVAC

SEER2
20.0

HSPF2-5
8.0



9k to 36k BTU/h



Cooling & Heating

airHome 400

Uncomplicated Comfort

Experience a **simple & elegant solution** for a serene living space with airHome 400.



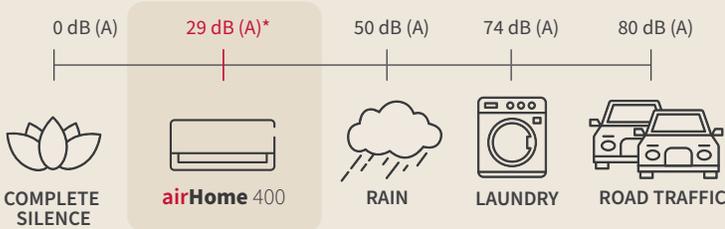
Comfortable
all year round

airHome 400 provides an ideal atmosphere in all rooms, with excellent cooling/heating capacity to keep you cozy in every season. For extra comfort, **airHome 400** helps remove excess humidity from your home by up to 3.3l/hour (**)



So quiet it disappears into your home

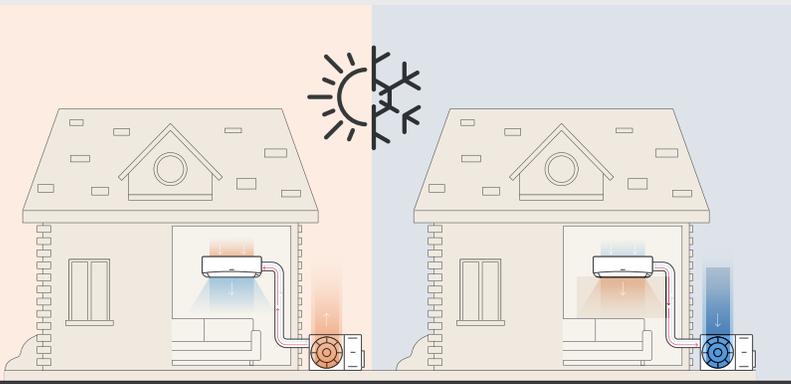
With a **sound level from 29(***) dB(A)** in operation and without the disturbance of frequent on-off cycles.



Energy efficiency
for lower running costs

Heat Pump Technology

Heat pumps work by using outdoor heat to warm homes in winter and moving out indoor heat in summer for improved use of energy



Peace of mind even in your sleep

Activate **GoodSleep** before bed. After a set number of hours, the fan speed reduces for quieter operation and the temperature gently adjusts for a peaceful sleep.



Eco Mode

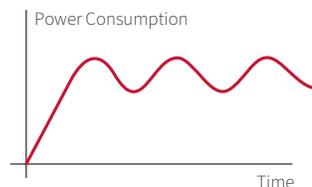
Press the eco button for extra energy savings. It adjusts the set temperature to **reduce power consumption**.



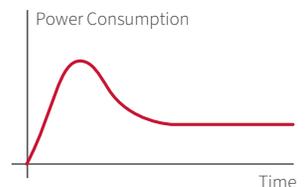
Vector DC inverter technology

Embedded technology monitors and adjusts the compressor's rotational speed, **cooling with maximum capacity**, then automatically slowing down to optimal operating capacity to **maintain room temperature**. **Saving 30% more energy** compared to regular compressor.

Non-Inverter



Inverter



Disclaimer** The images provided have illustrative purposes and may not accurately represent the actual unit dimensions**

(**) Dehumidification capacity of RAK-DJPHAA/RHAA -RAC-DJWHAADJ models, may vary for other models.

(***) 29dB(A) is the sound pressure level at silent mode of the following models: RAK-DJ09PHAA, RAK-DJ12PHAA, RAC-DJ09WHAA, RAC-DJ12WHAA. Higher capacity models have a higher sound level.

Effortlessly improve the air quality in your home

FrostWash™ Self cleaning technology

In a **freeze and melt** process the **heat exchanger is cleaned** and the **impurities accumulated** over time are captured and eliminated.



99% Viruses removal⁽¹⁾

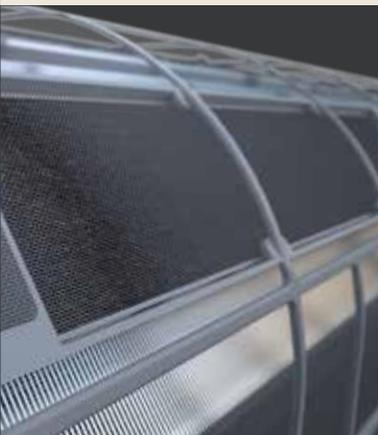


99% Bacteria removal⁽²⁾



95% Mold removal⁽³⁾

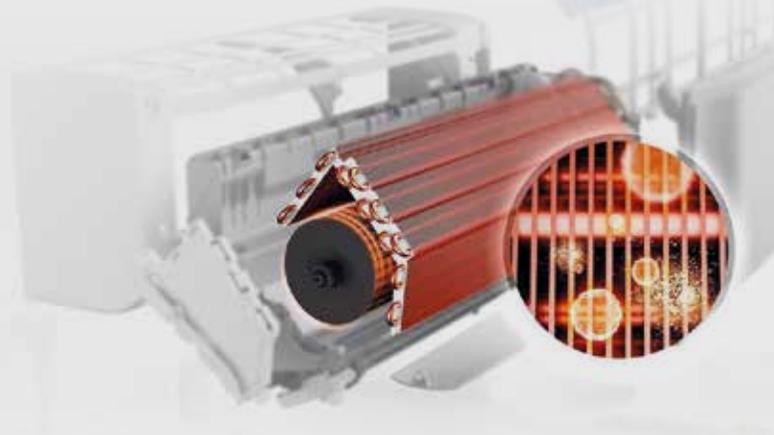
3x better at maintaining air flow



Embedded PM2.5 Active Carbon air purifying filter

Effectively **removes 99%** of small particles -as small as 2.5 um (micron)- after 4.5 hours, offering **anti-VOC properties, and deodorizing the room**, leaving the air fresh.

Also included:
Stainless pre-filter for extra cleanliness⁽⁵⁾



Mold Guard*

Prevents mold growth and **unpleasant odors** by **automatically forcing air** for approximately **60 min^(**)** through internal components and heating the coil to **50°C^(***)** after every turnoff.

Built to last for a worry-free future



- Anti-Rust Painted Outdoor Casing
- 3-Minute Delay Circuit (Fuse Blow Prevention)
- Wide voltage range
- Fireproof Electrical Enclosure
- Anti-corrosion blue fins
- **Snow-hood accessory available**



Hassle-free controls

New easy-to-use remote

- Indoor temperature management
- Fan speed
- Choice of mode (heating, cooling, etc.)
- Airflow direction
- Leave home: **maintains sufficient heating to prevent pipes from freezing when you're away during cold season.**

More options to control your AC:

airCloud GO (option)



SPX-WFG03 (optional)⁽⁶⁾

- Manage your heat pump from **your phone**
- Gain control over your bills with **Energy Cost estimator**
- Weekly program your heat pump based on **your routines**
- Enables voice command by **Amazon Alexa & Google Home**
- **Wifi Adapter** invisible installation inside the unit

airPoint Room H700 (option)



SPX-URFG1 (optional)

- Complete controls by **wall-mount thermostat**
- Colored screen and **intuitive visualization**
- Include a **power monitoring** features

*The mold guard function can prevent mold growth inside indoor unit but not remove existed mold.

** It can slightly vary depending on models and current temperature/humidity conditions.

*** The temperature of coil heating may differ depending on ambient and indoor conditions.

(5) Combination of Stainless steel pre-filter PM2.5 Active Carbon air purifying filter tested at Johnson Controls-Hitachi Tochigi factory, Japan. Test Method : JEM1467 (The Japan Electrical Manufacturers' Association). Test was done under continuous cooling operation at high fan speed of RAS-VJ24CLT in a room with size of 25m³ and 25°C for 300 minutes. (6) Adapter should be bought separately.

(1)(2)(3) Tested by Kitasato Research Center of Environmental Science. Test No. 2020_0650. Test model: RAS-X22K Reduction effects of virus, bacteria and mold were observed by operating FrostWash™ once. (4) 2 identical units were tested for comparison; with and without FrostWash. Test chamber simulated approx. 2 years of dust and oil build up which may be experienced in a typical home environment. Airflow performance was tested before and after being in the chamber. Unit without FrostWash experienced an 18% drop in airflow performance. Unit with FrostWash experienced only 6% performance drop. Tested at Johnson Controls-Hitachi Tochigi factory, Japan.

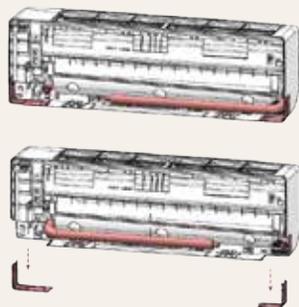
Indoor Model		RAK-DJ09RHAA	RAK-DJ12RHAA	RAK-DJ18RHAA	RAK-DJ24RHAA	RAK-DJ36PHAA	RAK-EJ12PHAA	
Outdoor Model		RAC-DJ09WHAA	RAC-DJ12WHAA	RAC-DJ18WHAA	RAC-DJ24WHAA	RAC-DJ36WHAA	RAC-EJ12WHAA	
Energy Star Certification		Yes					Yes	
Performance	Rated Cooling Capacity	BTU/h	9,000	12,000	18,000	22,000	33,000	12,000
	Cooling Capacity (Min-Max)	BTU/h	4,000-10,500	4,700-13,200	6,350-18,600	6,200-24,200	7,000 - 34,000	3,500-13,200
	Rated Heating Capacity	BTU/h	10,000	13,000	18,500	25,000	35,000	13,000
	Heating Capacity (Min-Max)	BTU/h	4,000-12,000	5,500-13,700	6,700-19,500	7,600-27,500	9,000 - 37,500	5,500-13,700
	EER2		13.0	12.0	12.0	12.0	9.5	12.0
	SEER2		20.0	19.5	19.5	18.3	19.0	19.5
	HSPF2 Region 4/Region 5		9.2/7.5	9.2/7.0	10.5/8.0	10.0/8.0	9.5/7.5	9.2/7.0
	COP at 47°F		3.3	3.2	2.95	3.0	2.6	2.6
	COP at 5°F		2.42	2.13	1.9	2.1	2.15	2.13
	Rated Heating capacity at 17 F (-8° C)	BTU/h	6,500	8,400	13,300	17,500	25,200	8,400
Max Heating Capacity at +5 F (-15° C)	BTU/h	7,500	10,250	14,200	18,500	24,500	10,250	
Moisture Removal	l/h	1.1	1.65	2.7	3.3	5.31	1.47	
Electrical Data	Rated Voltage	V-Ph-Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	115/1/60
	MCA (Minimum Circuit Ampacity)	Amps	8	9	13	18	27	18
	MOP (Maximum Overcurrent Protection)	Amps	15	15	25	25	40	30
Indoor Unit	Airflow (H/M/L/SL)-Cool	CFM	260/250/180/150/110	290/280/230/190/140	420/390/360/270/240	580/550/460/350/310	660/610/470/410/ 320	330/280/230/190/140
	Airflow (H/M/L/SL)-Heat	CFM	310/230/210/180/130	280/260/200/170/140	380/360/300/270/210	560/530/490/390/320	710/650/530/490/370	370/260/200/170/140
	Sound Pressure Level (H/M/S/SL)-Cool	dB(A)	44/42/40/36/29	46/44/40/36/29	48/46/42/38/35	51/49/45/40/36	54/51/48/45/38	46/44/40/36/29
	Sound Pressure Level (H/M/S/SL)-Heat	dB(A)	44/42/40/36/29	46/44/40/36/29	48/46/42/38/35	51/49/45/40/36	54/51/48/45/38	46/44/40/36/29
	Unit Dimension (WxHxD)	inch (mm)	30.71x11.02x8.74 (780x280x222)	30.71x11.02x8.74 (780x280x222)	37.40x11.57x9.06 (950x294x230)	41.34x11.57x10.04 (1,050x294x255)	43.3x11.8x10.2 (1,100x300x260)	30.71x11.02x8.74 (780x280x222)
	Net/ Gross Weight	lbs (kg)	17.6 (8.0) / 21.5 (9.7)	18.74 (8.5) / 20.94 (9.5)	24.3 (11.0) / 27.6 (12.5)	30.07 (14.0) / 37.48 (17.0)	33.1/37.5 (15/17)	18.74 (8.5) / 20.94 (9.5)
Outdoor Unit	Operation Range - Cooling	°F (°C)	-0.4 ~114.8 (-18 ~ 46)	-0.4 ~114.8 (-18 ~ 46)	-0.4 ~114.8 (-18 ~ 46)	-0.4 ~114.8 (-18 ~ 46)	-0.4 ~114.8 (-18 ~ 46)	-0.4 ~114.8 (-18 ~ 46)
	Operation Range - Heating	°F (°C)	-5 ~75.2 (-20.5~24.0)	-5 ~75.2 (-20.5~24.0)	-5 ~75.2 (-20.5~24.0)	-5 ~75.2 (-20.5~24.0)	-5 ~75.2 (-20.5~24.0)	-5 ~75.2 (-20.5~24.0)
	Refrigerant		R32	R32	R32	R32	R32	R32
	Sound Pressure Level (High)	dB(A)	51	51	52	53	58	51
	Unit Dimension (WxHxD)	inch (mm)	25.98x20.87x10.94 (660x530x278)	29.53x22.44x11.02 (750x570x280)	33.46x31.50x11.73 (850x800x298)	37.41x37.20x14.57 (950x945x370)	37.4x37.2x14.6 (950x945x370)	29.53x22.44x11.02 (750x570x280)
Net/ Gross Weight	lbs (kg)	57.0 (26.0) / 60.5 (27.5)	75.0 (34.0) / 80.5 (36.5)	103.6 (47.0) / 114.6 (52.0)	161.7 (73.3) / 171.1 (77.6)	177 (79.3) / 186 (83.4)	75.0 (34.0) / 80.5 (36.5)	
Piping	Max Total Piping Length	Ft (m)	82.0 (25)	82.0 (25)	98.4 (30)	98.4 (30)	165 (50)	82.0 (25)
	Max Total Piping Height	Ft (m)	49.2 (15)	49.2 (15)	65.6 (20)	65.6 (20)	98 (30)	49.2 (15)
	Factory Charge	lbs (kg)	1.54 (0.70)	1.76 (0.80)	2.76 (1.25)	3.59 (1.63)	4.85 (2.2)	1.76 (0.80)
	Max Charge	lbs (kg)	1.76 (0.80)	1.98 (0.90)	3.09 (1.40)	4.32 (1.96)	6.77 (3.075)	1.98 (0.90)
Piping Connection	Piping Connection - Liquid	inch (mm)	1/4"(6.35)	1/4"(6.35)	1/4"(6.35)	1/4"(6.35)	1/4"(6.35)	1/4"(6.35)
	Piping Connection - Gas	inch (mm)	3/8"(9.53)	3/8"(9.53)	1/2"(12.7)	5/8"(11.87)	5/8"(11.87)	3/8"(9.53)
	Piping Connection - Drain	inch (mm)	5/8"(11.87)	5/8"(11.87)	5/8"(11.87)	5/8"(11.87)	5/8"(11.87)	5/8"(11.87)
Features	FrostWash		Indoor Only	Indoor Only	Indoor Only	Indoor Only	Indoor Only	Indoor Only
	Wi-Fi Capability		Optional	Optional	Optional	Optional	Optional	Optional

1. Indoor units RAK-DJ-RHAA are compatible with airHome 400 single splits and airHome Multi multi-split systems. Indoor units RAK-DJ-PHAA are compatible with airHome 400 single splits only.

Easy to install & service

Here are 10 key features of the indoor units:

1. Removeable side covers to access pipe & condensate drain¹⁰
2. Left or right flexible connection of the condensate drain
3. Removable drain pan⁹
4. Detachable fan motor's support
5. Large installation plate¹⁰
6. Ribbed inner surface to prevent risk of condensate leaks¹⁰
7. Enlarged suction area for better performance¹⁰
8. Easy-to-remove front cover (2-3 screws)



9. New cap on deflectors for durable opening/closing¹⁰
10. Dedicated Thermistor placing for more accuracy

Hitachi Equipment Warranty - We have you covered

Enjoy the best protection in the industry with our factory-backed warranties.

Standard WARRANTY



Extended WARRANTY



Requires online registration. Available for installations in residential applications at no additional cost.

Optional enhanced extended WARRANTY



Requires the purchase of a third-party warranty. Check with your contractor for available options.

Eligible for most provincial heat pump rebates



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