airHome 400 — 115 V

Indoor Model		RAK-DJ09PHAA / RAK-DJ09RHAA1	RAK-DJ12PHAA / RAK-DJ12RHAA1	RAK-DJ18PHAA / RAK-DJ18RHAA1	RAK-DJ24PHAA / RAK-DJ24RHAA1	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		9.2	9.2	10.5	10.0	9.5	9.2
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 (W x H x D)	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 (W x H x D)	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)	3/8"(9.53)	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 drain[10]
2. Left or right flexible connection of the condensate drain
3. Removable drain pan[9]
4. Detachable fan motor's support
5. Large installation plate[10]
6. Ribbed inner surface to prevent risk of condensate leaks[10]
7. Enlarged suction area for better performance[10]
8. Easy-to-remove front cover (2-3 screws)
9. New cap on deflectors for durable opening/closing[10]
10. Dedicated Thermistor placing for more accuracy
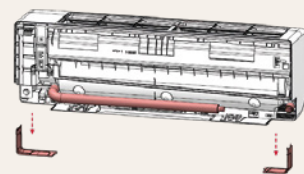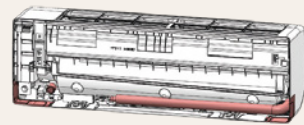
Hitachi Equipment Warranty - We have you covered

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

Standard WARRANTY
- 7 YEARS COMPRESSOR
- 5 YEARS PARTS

Extended WARRANTY
- 10 YEARS COMPRESSOR
- 10 YEARS PARTS

Requires online registration. Available for installations in residental applications at no additonal cost.

Enhanced extended WARRANTY
- Safety option
- 12 YEARS COMPRESSOR
- 10 YEARS PARTS
- 10 YEARS LABOR

Requires online registration and purchase of warranty upgrade. Available for installations in residential applications.

Grants / subsidies

Hydro Québec · CEE Consortium for Energy Efficiency · neep Northeast Energy Efficiency Partnerships · Canada Greener Homes Grant
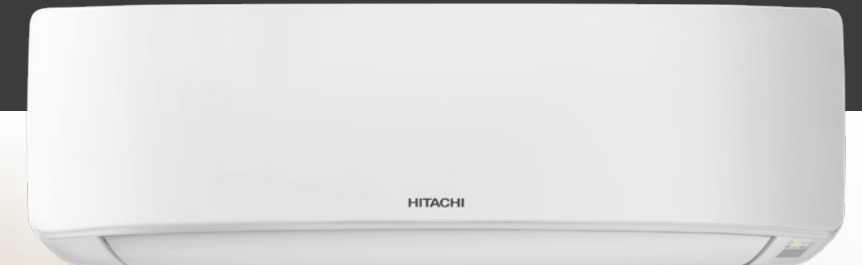
airHome 400

Wall Mounted Inverter Heat Pump AC

9 to 36 BTU/h

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

air is life

R32 REFRIGERANT

SEER2 20.0

EER2 13.0

ENERGY STAR

Cooling & Heating
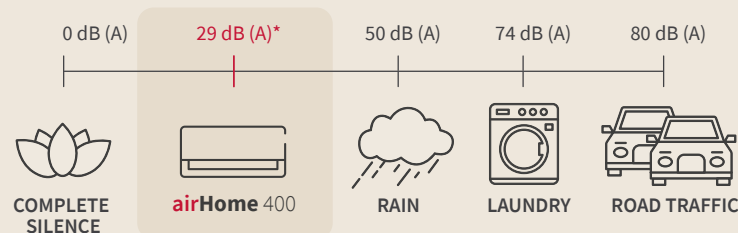
air Home 400

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 humidity excess 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.

0 dB (A)	29 dB (A)*	50 dB (A)	74 dB (A)	80 dB (A)
COMPLETE SILENCE	airHome 400	RAIN	LAUNDRY	ROAD TRAFFIC

Energy efficiency for lower running costs

Heat Pump Technology

Mini Splits work by using outdoor heat to warm homes in winter and moving out indoor heat in summer for improved use of energy
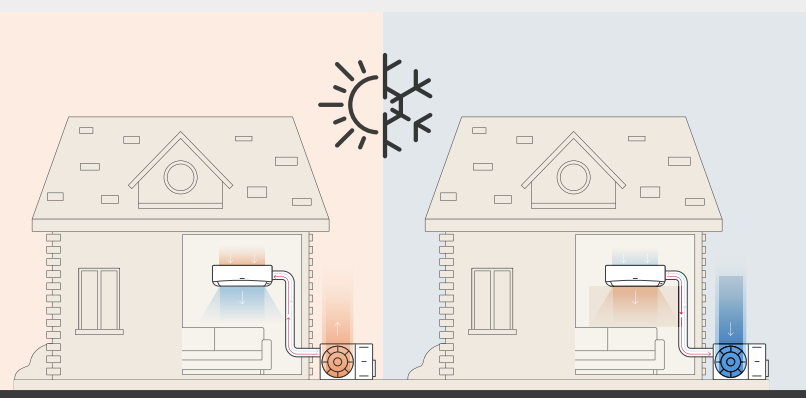
Peace of mind even in your sleep

Activate GoodSleep before bed, and after a set number of hours the fan speed will reduce for quieter operation and **temperature will gently adjust for a placid 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
Power Consumption
Time

Inverter
Power Consumption
Time
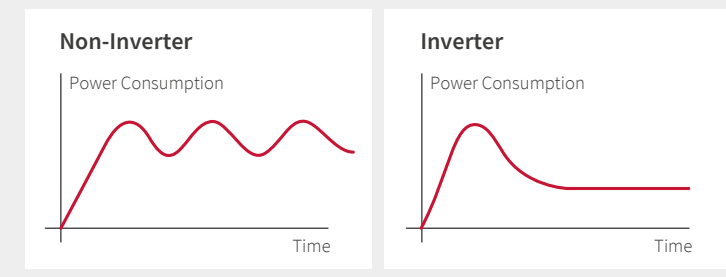
Effortlessly improve the air quality in your home

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.
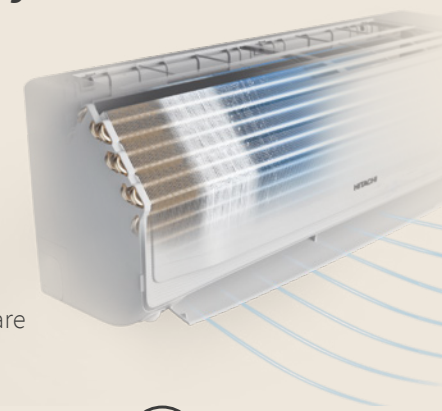
99% Viruses removal(1)   **99% Bacteria removal**(2)   **95% Mold removal**(3)

3x better at maintaining air flow performance(4)

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)
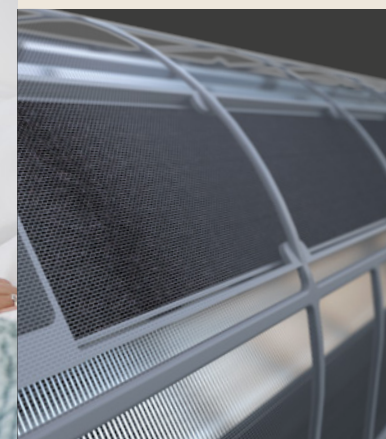
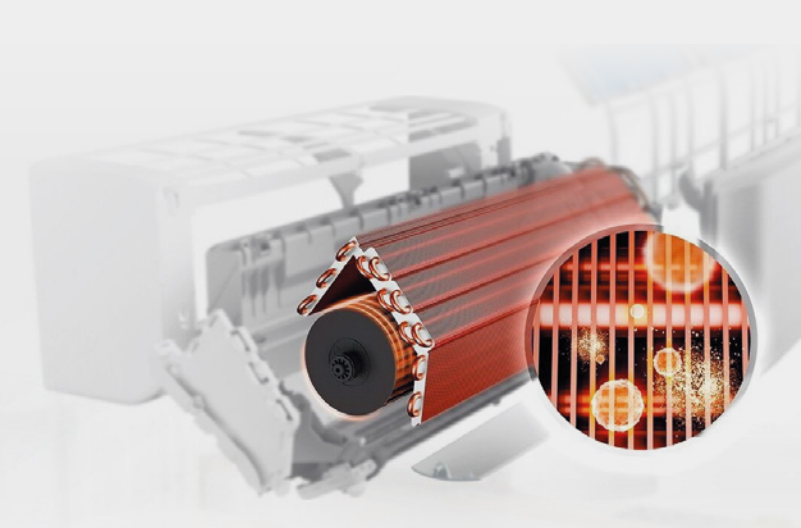### Hassle-free controls

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.**

Mold Guard*

Prevents mold growth and **unpleasant odors** by automatically forcing air for approximately **60 min**(**) through internal components and heating the coil to **122ºF**(***) after every turnoff.

Built to last for a worry- free future
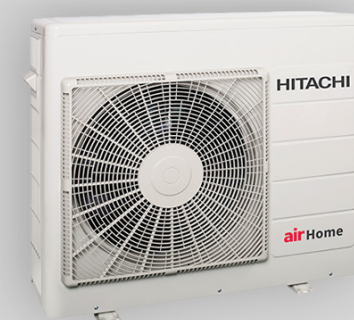
- Anti-Rust Painted Outdoor Casing
- 3-Minute Delay Circuit (Fuse Blow Prevention)
- Wide voltage range
- Fireproof Electrical Enclosure
- Anti-corrosion blue fins
- **Snow-hood accessory available**

More options to control your AC:

air Cloud GO (option)

SPX-WFG03 (optional)(6)

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

air Point Room H700 (option)

SPX-URFG1 (optional)

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

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*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 25ºC 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 FroshWash™ 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.

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.
(**)Dehumidification capacity of RAK-DJ09PHAA,RAK-DJ12PHAA,RAC-DJ09WHAA,RAC-DJ12WHAA. Higher capacity models have a higher sound level.
(***)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.