air like never before

HITACHI

Cooling & Heating

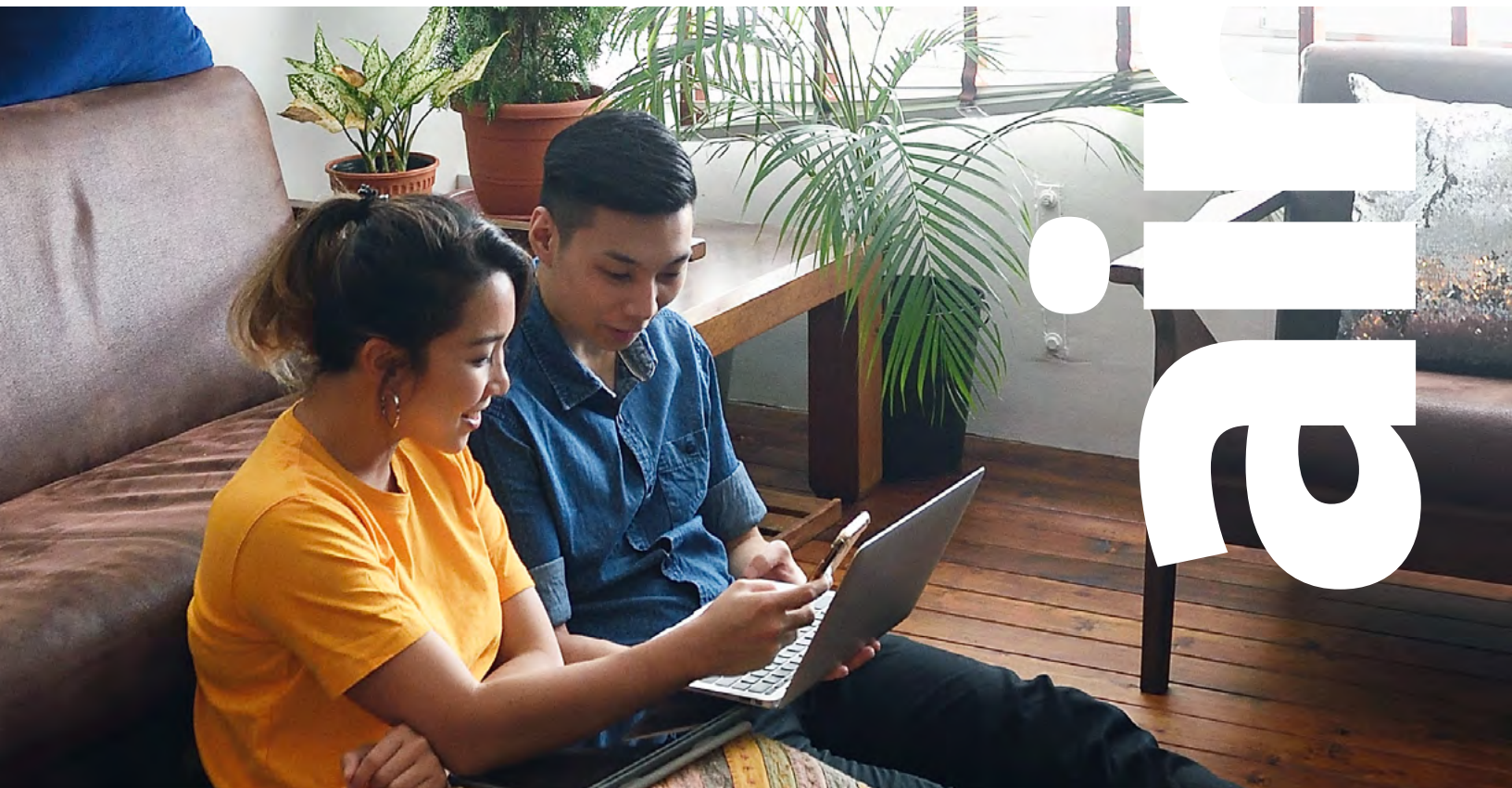## H500 Single-Zone Series
Wall-mounted air conditioning

Hitachi Mini-Split Systems offer a ductless cooling and heating solution that is flexible, energy efficient, self-cleaning, and that provides optimal comfort. New features include the self-cleaning FrostWash™ technology and the airCloud Home app, the latter of which allows users to operate the system with a smart device from anywhere. airCloud Home is also compatible with Google Home and Amazon Alexa for voice-activated control.

FrostWash ensures cleaner indoor air

With FrostWash, a user can expect cleaner, fresher air all year round. Available on both indoor and outdoor units, FrostWash eliminates dust and bacteria built up on the heat exchanger's surface by trapping and freezing these particles in ice. When the ice melts, the particles are flushed out safely via the condensate drain. FrostWash captures 99 percent of bacteria, 99 percent of virus, and 95 percent of mold from the unit interior*. FrostWash works behind the scenes to keep the air in your home cleaner, fresher, and more comfortable. After every 200 hours of operation, an LED light lets you know that it's time to activate FrostWash. Sensors detect when the room is unoccupied and will activate the FrostWash cycle when the air conditioning is switched off.

* Tested by Kitasato Research Center of Environmental Science. Test no. 2020_0650: anti-bacterial, anti-mold, and anti- virus effects when operating FrostWash one time.

Human sensor system

Hitachi Mini-Split Systems are designed to adapt to occupant needs. An intelligent human sensor system monitors the room for human activity, adjusting air flow and the indoor climate accordingly for optimal comfort. The Air Sleep function optimizes temperature and humidity levels and automatically adjusts to super silent operation, allowing for restful sleep and increased sleep quality.

Exceptional energy efficiency

Unlike traditional systems, the DC Inverter System quickly attains the ideal room temperature upon activation. It then automatically reduces power and operates at minimum capacity for stable operation while reducing energy consumption by up to 62 percent*.

*RAS-VX13CJ (Eco Mode) compared with a Hitachi Cooling & Heating 1.5HP non-inverter model (Cooling Mode). Power consumption based on cumulative power consumption after eight hours of operation. Room temperature at start: 67˚F, Set temperature: 57˚F, Fan Speed: Auto, Testing Condition: Three people in the room. Level of activity at 2.5m from the indoor unit estimated to be 1.0 metabolic equivalents (reading, etc). Three people in separate locations in the room during the daytime with the curtains closed to cut the amount of sunlight to a low level. Ambient temperature lower than the set temperature.
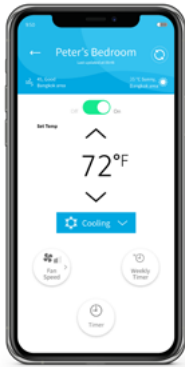
airCloud Home enables ultimate control

The new airCloud Home smartphone app puts control in the palm of your hand. The easy-to-use application ensures your rooms are at the temperature you want with control from anywhere.

The app makes it simple to set and change schedules for maximum energy savings. And, it's fully compatible and accepts verbal commands from Amazon Alexa and Google Assistant.

Setup is quick, easy, and customizable. Access can be shared with up to 20 people.

Model	Indoor		RAS-SH09RHLAE	RAS-SH12RHLAE	RAS-SH18RHLAE	RAS-SH24RHLAE
	Outdoor		RAC-SH09WHLAE	RAC-SH12WHLAE	RAC-SH18WHLAE	RAC-SH24WHLAE
	System Type		Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	Rated Cooling Capacity (Min-Max)	BTU / h	9000 (4300 - 10500)	12000 (4450 - 13200)	18000 (5600 - 20500)	22000 (8200 - 25000)
	Rated Heating Capacity (Min-Max)	BTU / h	11000 (4200 - 15000)	14000 (4400 - 18000)	21500 (6600 - 26000)	25000 (9950 - 29500)
	EER2		14	12.5	12.5	12.5
	SEER2		20.5	20	22.5	20.5
	HSPF2		10.3	10.2	9.2	9.7
	Heating Capacity at+17 F (-8 C)	BTU / h	9650	12300	18300	21250
	Heating Capacity at +5 F (-15 C)	BTU / h	8050	9850	15400	18250
	Heating Capacity at -4 F (-20 C)	BTU / h	6600	8400	12900	15000
	Moisture Removal	l / h	1.3	1.5	2.6	3.1
Power Supply	Rated Voltage	V / Ph / Hz	(208 / 230) / 1 / 60	(208 / 230) / 1 / 60	(208 / 230) / 1 / 60	(208 / 230) / 1 / 60
Indoor Unit	Airflow (H / M / L / SL)	CFM	420 / 315 / 230 / 190	449 / 380 / 299 / 215	600 / 475 / 388 / 280	700 / 510 / 405 / 299
	Sound Pressure Level (H / M / S / SL)	dB(A)	43 / 37 / 30 / 25	46 / 40 / 35 / 27	49 / 45 / 42 / 35	52 / 47 / 43 / 36
	Unit Dimension (WxHxD)	inch (mm)	35.43x11.81x9.05 (900x300x230)	35.43x11.81x9.05 (900x300x230)	43.3x11.81x10.23 (1100x300x260)	43.3x11.81x10.23 (1100x300x260)
	Net / Gross Weight	lbs (kg)	25.4 / 28.6(11.5 / 13)	25.4 / 28.6(11.5 / 13)	33.1 / 37.5(15 / 17)	33.1 / 37.5(15 / 17)
Outdoor Unit	Operation Range - Cooling	F (C)	0 - 115 (-18 - 46)	0 - 115 (-18 - 46)	0 - 115 (-18 - 46)	0 - 115 (-18 - 46)
	Operation Range - Heating	F (C)	-13 - 75 (-25 - 24)	-13 - 75 (-25 - 24)	-13 - 75 (-25 - 24)	-13 - 75 (-25 - 24)
	Sound Pressure Level (High)	dB(A)	52	52	53	53
	Unit Dimensions (WxHxD)	inch (mm)	29.52x22.44x11.02 (750x570x280)	29.52x22.44x11.02 (750x570x280)	33.46x31.49x11.73 (850x800x298)	33.46x31.49x11.73 (850x800x298)
	Net / Gross Weight	lbs (kg)	58 / 60.2 (26.3 / 27.3)	58 / 60.2 (26.3 / 27.3)	119.2 / 130.3 (54.1 / 59.1)	120 / 131 (54.4 / 59.4)
Piping	Max Total Piping Length	Ft (m)	82 (25)	82 (25)	82 (25)	82 (25)
	Max Total Piping Height	Ft (m)	49.2 (15)	49.2 (15)	49.2 (15)	49.2 (15)
	Refrigerant		R410A			
Features	FrostWash		Indoor and Outdoor	Indoor and Outdoor	Indoor and Outdoor	Indoor and Outdoor
	Wifi		Standard	Standard	Standard	Standard

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AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

cETLus Intertek

ENERGY STAR

cULus

Industry certified
Hitachi mini-split systems are certified by the Air Conditioning, Heating & Refrigeration Institute. The systems are also UL certified. airCloud Home App is ETL certified (Canada & USA), signifying it complies with the standard of Heating and Cooling Equipment (ANSI/UL 1995 and CAN/CSA C22.2 No. 236-11, 4th Edition, October 14, 2011).

The specifications of this document may change without prior notice to allow Hitachi Cooling & Heating to incorporate the latest innovations for its customers. The information contained in this document is merely informative. Hitachi Cooling & Heating declines any responsibility in the broadest sense, for damage, direct or indirect, arising from the use and/or interpretation of the recommendations in this document.

STANDARD WARRANTY
7 YEARS COMPRESSOR
5 YEARS PARTS

EXTENDED WARRANTY
10 YEARS COMPRESSOR
10 YEARS PARTS
Requires online registration. Available for installations in residential applications at no additional cost.

EXTENDED WARRANTY WITH LABOR
12 YEARS COMPRESSOR
10 YEARS PARTS
10 YEARS LABOR
Requires online registration and purchase of warranty upgrade. Available for installations in residential applications.