Haier

Haier Commercial Air Conditioning

ADDRESS
No.1 Haier Road, Hi-tech Zone, Qingdao 266101 P.R.China

CONTACTS
Tel: +86-532-8893-6938

B2B Website: www.haierac.com
B2C Website: www.haier.com

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Haier reserves the right to make change without any notice.

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SUPER AQUA MONO

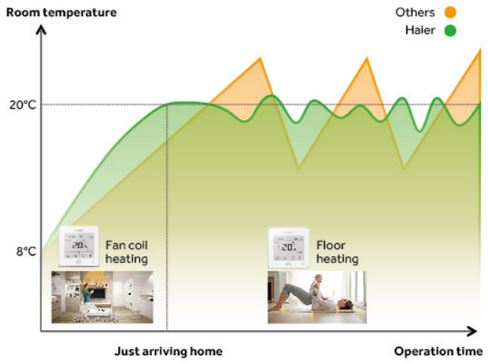
Haier Air to Water Heat Pump

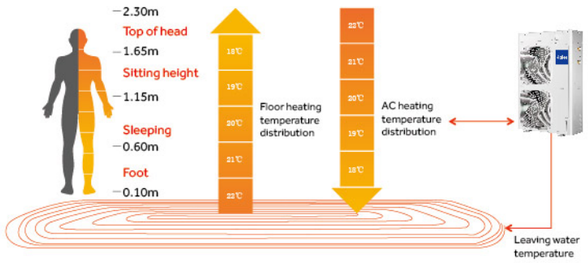


Comfortable

Quick heating

Multiple heating methods: fan coil, floor heating can be used at the same time, quick heating.
High-accuracy control of inlet and outlet water temperature through the accuracy temperature sensor. Underfloor heating, floor temperature distribution uniform and indoor temperature distribution from bottom to top decreasing, more comfortable.







Multiple noise reductions

Adopt DC frequency noise reduction technology, high quality shock pad, DC fan motor, and the compressor and other important parts wrapped in noise insulation material, achieve noise absorption-noise isolation-buffering noise reduction technology, greatly reduce the running noise by the operation.

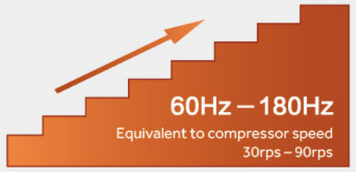
Quiet mode, powerful mode and energy-saving mode, providing multiple noise solutions for daily and night life.

Energy Saving

Full DC inverter technology

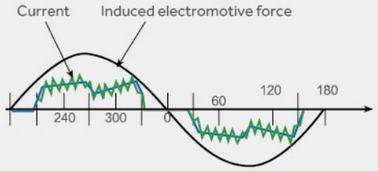
Full DC inverter compressor, strong power, energy-saving and high efficiency, stable-operation.
Variable frequency stepless speed motor, the air volume and the capacity perfect fusion, more energy-saving.
Introduction of water-cooled canned motor pump realize lower sound level and higher efficiency.

Step speed



Common inverter

Common drive control



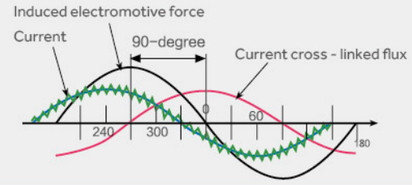
VS

Haier inverter



Haier inverter

180°vector drive control



High efficiency heat exchanger:

The heat exchanger adopts the multi-head spiral inner tube designed by the patent, which is not easy to produce scale and block and improve the heat exchange efficiency.



Reliable



Intelligent anti-freezing technology

Flow switch ensures minimum water flow, high safety.
Judgment of temperature difference to ensure the minimum water flow, high safety.
Pressure sensor adjust the refrigerant low pressure to control refrigerant's temperature, high safety
Multi-temperature sensor ensures protection during freezing.
Operation, standby, defrost multi intelligent anti-freezing design, (through water flow, water temperature, refrigerant temperature and other angles) Anti-freeze heat exchanger design, even if the heat exchanger freeze, after the normal operation.

Wide working temperature

Working temperature is up to -25˚C~50˚C, adapt to all kind of weather.

Equipped with EVI technology, realize to -25 ˚C ~ 50 ˚C wide range of working temperature, more reliable operation.
Equipped with turbo heating mode and one-button turbo heating/cooling mode for line controller, the heating/cooling capacity can be increased by 15% in this mode, which can meet the cooling and heating needs in extreme weather.



High efficiency exchanger: The heat exchanger adopts the patented multi-head spiral tube, effectively reduce scale and obstruction. More reliable.



Equipped with safety valve to ensure the stability of the water system.

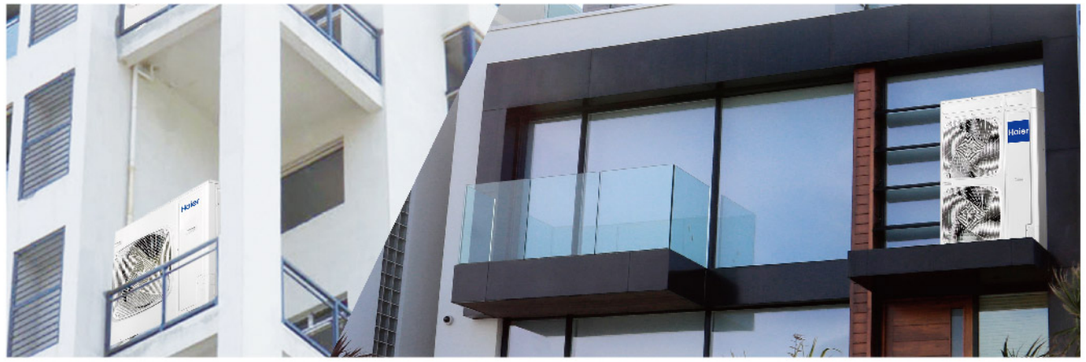
Convenient

Integral Design

built-in heat exchange unit, needless install refrigerant pipe and also refrigerant filling.

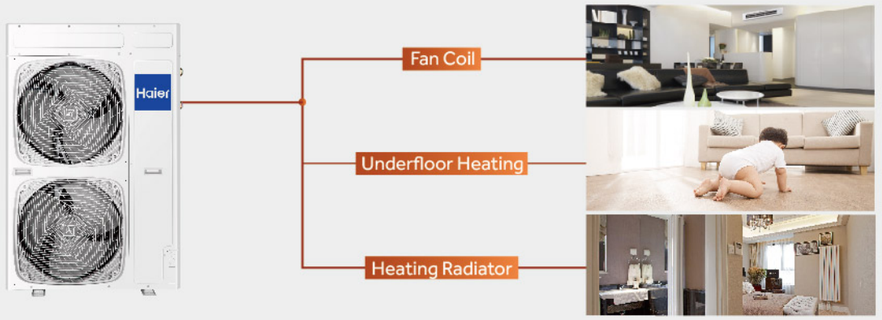


Compact design, save installation space.



Multiple choose of end form

fan coil, underfloor heating, heating radiator, to meet the needs of different families.



Specification



Model			AU082FYCRA(HW)	AU112FYCRA(HW)	AU162FYCRA(HW)
Power supply		V-Ph-Hz	1PH, 220-240V~, 50/60Hz	1PH, 220-240V~, 50/60Hz	1PH, 220-240V~, 50/60Hz
Cooling* (1)	Capacity	kW	5.50	11.5	14.50
	Power Input	kW	2.34	3.83	4.92
Cooling* (2)	Capacity	kW	7.00	13.5	16.00
	Power Input	kW	2.06	2.94	3.64
Heating* (3)	Capacity	kW	7.50	10.5	15.00
	Power Input	kW	2.34	3.37	4.62
Heating* (4)	Capacity	kW	7.80	11.00	16.00
	Power Input	kW	1.77	2.61	3.86
EER* (1)		kW/kW	2.35	3.00	2.95
EER* (2)		kW/kW	3.40	4.60	4.40
COP* (30)		kW/kW	3.20	3.20	3.25
COP* (4)		kW/kW	4.40	4.22	4.15
Outdoor air flow		m^3/h	4200	7200	7200
Outdoor noise level (sound power)* (3)		dB(A)	64	67	68
Flow rate of water		m^3/h	1.38	1.89	2.75
Net dimension (W×H×D)		mm	950×965×395	950×1490×380	950×1490×380
Packing dimension (W×H×D)		mm	1010×990×458	1010×1520×458	1010×1520×458
Net/ Gross weight		kg	87/90	139/142	139/142
Refrigerant	Type		R32	R32	R32
	Charged volume	kg	1.15	2.40	2.60
Pipe diameter	Water inlet/outlet	inch	1	1	1
Ambient temperature range			Cooling: 10~46; Heating: -20~35(Antifreeze must be added below 5)		
Leaving water temperature range			Cooling: 5~20; Heating: 20~55		
Accessory	Controller (optional)	Wired	YR-E27	YR-E27	YR-E27
	Domestic hot water PCB		ATW-A01	ATW-A01	ATW-A01

Note: Specifications are based on the following conditions:
1. Cooling: (*1) chilled water inlet/outlet temperature: 12/7℃,outdoor ambient temperature 35℃ DB.
(*2) chilled water inlet/outlet temperature: 23/18℃,outdoor ambient temperature 35℃ DB.
2.Heating: (*3) warm water inlet/outlet temperature: 40/45℃,outdoor ambient temperature 7℃ DB/6℃ WB .
(*4) warm water inlet/outlet temperature: 30/35℃,outdoor ambient temperature 7℃ DB/6℃ WB .
3. It is tested in a semi-anechoic room(sound power).
4. The above data may be changed without notice for future improvement on quality and performance.
5. ATW-A01 can achieve domestic hot water, heating and domestic hot water cannot be offered at the same time.

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