ALCHEMY RANGE

WATER · HEAT · PURITY

alchemyrange.ie

Compact-Space
Heat Pump Solutions

Original Design. Outstanding Choices.



NEW

Indoor Dual Source All-in-One Heat Pump

Heating, cooling, hot water and fresh air from one indoor unit.



HYBRID

Hybrid-energy All-in-One

Built-in 200 L tank. No outdoor unit.



CE ErP Ready TÜVRheinland CERTIFIED RoHS COMPLIANT SG Ready MCS

CONTENTS

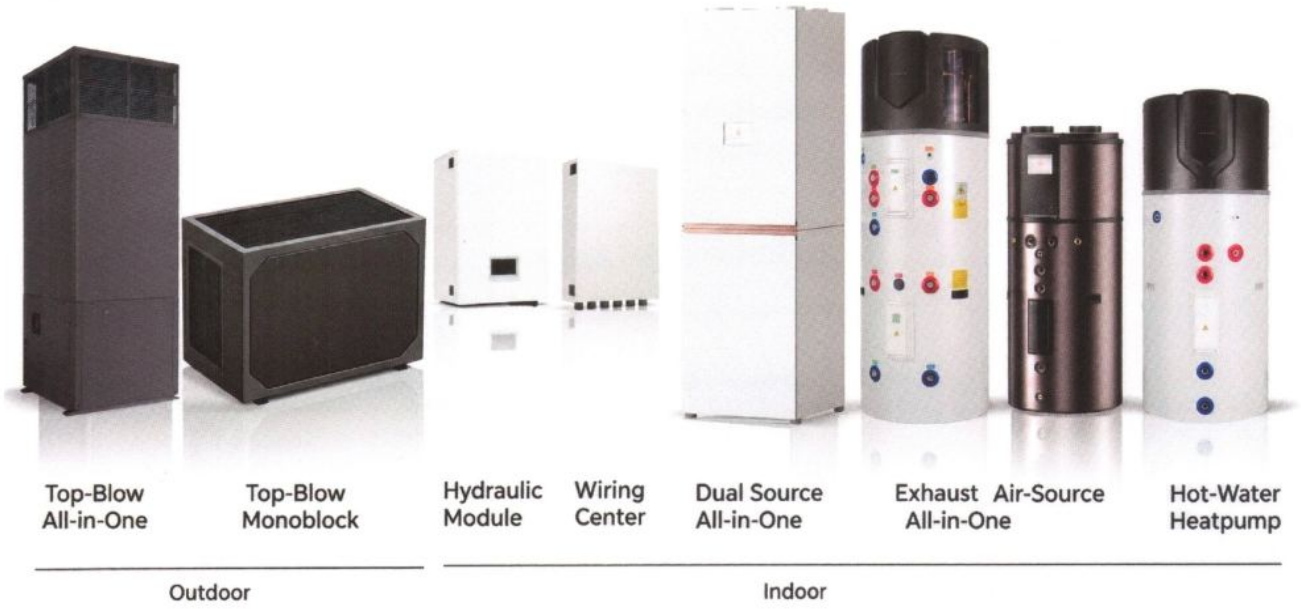
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About Alchemy Range

Alchemy Range supplies heat pumps and hot water systems for Irish homes and projects. The range covers space heating and cooling, domestic hot water, ventilation and smart control, and is supplied by Price King Sales Limited from Blessington, Co. Wicklow.

Every model in this catalogue uses R290 (propane), a natural refrigerant with a very low global-warming potential. The systems work alongside solar PV and existing heat sources in a smart hybrid set-up, and connect to an app for remote monitoring and control.

Compact Installation Space Solutions



R290	5–20 kW	A+++	−25°C	75°C
natural refrigerant in every model	outdoor monobloc heating capacity range	seasonal space heating class at 35°C flow (outdoor models)	heating operation down to this outdoor temperature (outdoor models)	maximum heating outlet water temperature (outdoor models)

Documentation for every model

CE declarations, Heat Pump KEYMARK certificates, ERP energy labels and installation manuals are available for the models in this catalogue. Ask us at david@alchemyrange.ie.

Choosing your system

Five system types cover most homes. Each is described in this catalogue, with full technical data in the specification tables at the back.

System type	What it does	Models	Page
Outdoor monobloc heat pump	Outdoor unit with an indoor hydraulic module and wiring centre. Space heating, cooling and domestic hot water, 5 to 20 kW.	JMU50HC JMU70HC JMU90HC JMU120HC JMU150HC / JMU150HC3N JMU200HC3N	07–12 25–26
Outdoor all-in-one heat pump	Heat pump with the hot water tank built in, so no cylinder is needed indoors. 6 kW and 9 kW, with a buffer-tank version.	JCM60HC JCM90HC	11–12 27
Indoor dual air-source monobloc	Takes heat from outdoor air and recovers it from indoor exhaust air. Heating, cooling, hot water and ventilation.	JMU40HV JMU40HV-F JMU70HV	17–20 28
Indoor exhaust-air all-in-one	Easy indoor installation. Heating, hot water and ventilation from a single unit.	J12HWH J20HWH200-A	13–16 29
Domestic hot water heat pump	Hot water only, in 200 litre and 300 litre sizes.	J12HW200V2 J12HW300V2	21–22 30

Need help choosing?
Tell us about your home and we will recommend the right system and size.

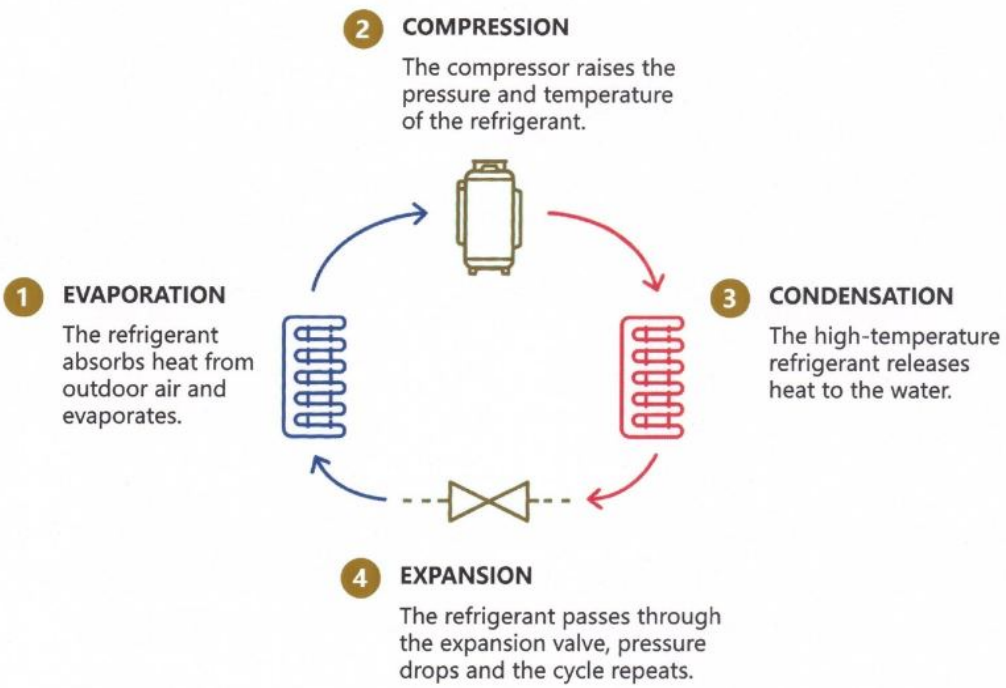
david@alchemyrange.ie
alchemyrange.ie

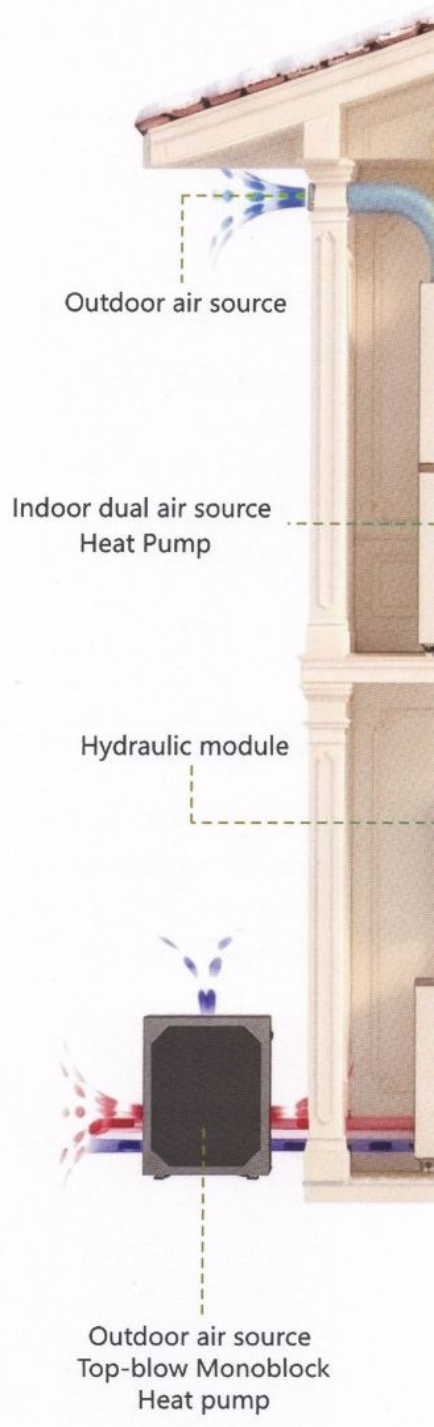
ONE SYSTEM.
COMPLETE HOME COMFORT.

Our integrated heat pump solutions combine space heating, cooling, domestic hot water, ventilation and fresh-air management for year-round home comfort.

AIR-TO-WATER HEAT PUMP PRINCIPLE

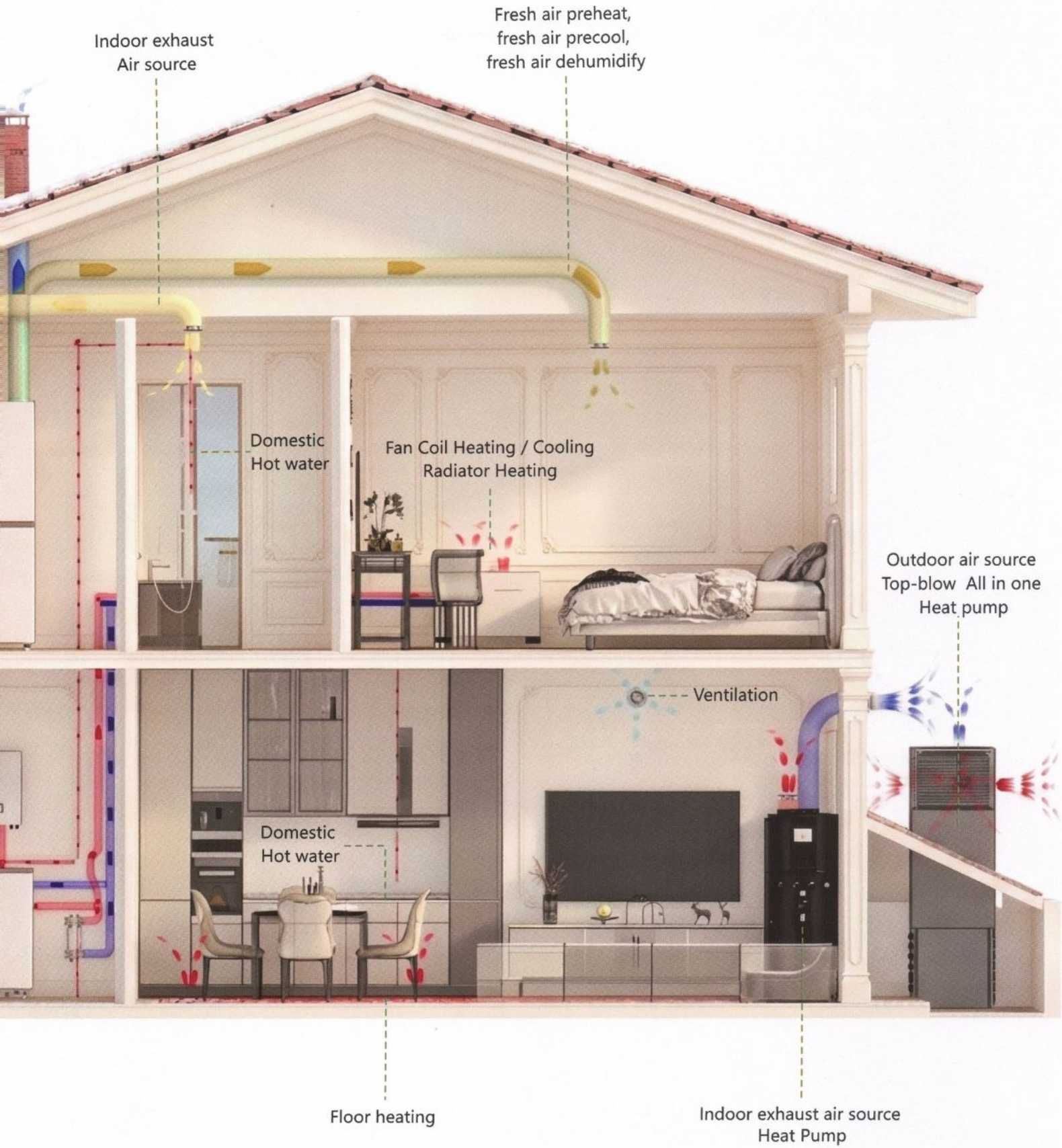
By circulating refrigerant in a closed cycle, the system moves heat from outdoor air to the water side and distributes it throughout the home.





ONESYSTEM,MULTIPLE COMFORT OPTIONS

Space Heating
Space Cooling
Domestic Hot Water
Ventilation
Fresh Air


Indoor exhaust
Air source
Fresh air preheat,
fresh air precool,
fresh air dehumidify
Domestic
Hot water
Fan Coil Heating / Cooling
Radiator Heating
Outdoor air source
Top-blow All in one
Heat pump
Ventilation
Domestic
Hot water
Floor heating
Indoor exhaust air source
Heat Pump



Outdoor Air Source Monobloc Heat Pump

Package A

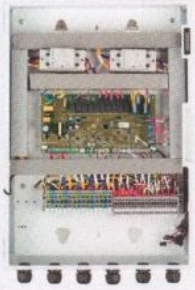
Top-blow

Efficient Solutions for Compact Homes

Heating Cooling Hot water







Indoor Unit-Wiring Center

The wiring center centralizes all electrical components and sensor connections. Its pre-wired, compact design significantly simplifies installation and reduces wiring errors.

R290 ECO refrigerant

High efficiency and Energy Saving

Full power till -7℃

DC Inverter Twin Rotary

Compressor noise-reduction chamber

Plate heat exchanger

Sky Blow Appearance Patent

High water 75°C outlet

SG Ready

Monoblock type

Indoor Wiring Center

Convenient-Maintenance Electric control box

Dual zone function Mixing Valve

IOT Platform

Gas separator





Outdoor Air Source Monobloc Heat Pump

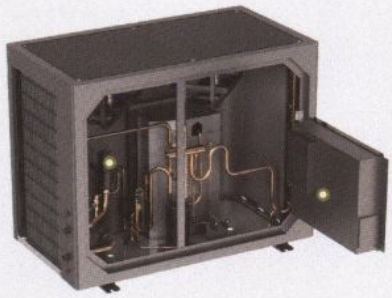
Package B

Top-blow

Efficient Solutions for Compact Homes

Heating Cooling Hot water







Indoor Unit-Hydraulic Module

The indoor unit integrates all hydraulic components into one unit. Its compact design requires minimal installation space and eliminates the need for complex installation work.

R290 ECO refrigerant

High efficiency and Energy Saving

Full power till -7°C

DC Inverter Twin Rotary

Compressor noise-reduction chamber

Plate heat exchanger

Sky Blow Appearance Patent

High water 75°C outlet

SG Ready

Monoblock type

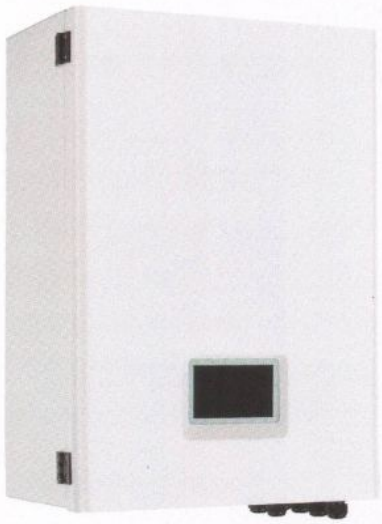
Indoor Hydraulic Module

Convenient-Maintenance Electric control box

Dual zone function Mixing Valve

IOT Platform

Gas separator





Outdoor Air Source All-in-one Heat Pump

Package C/D

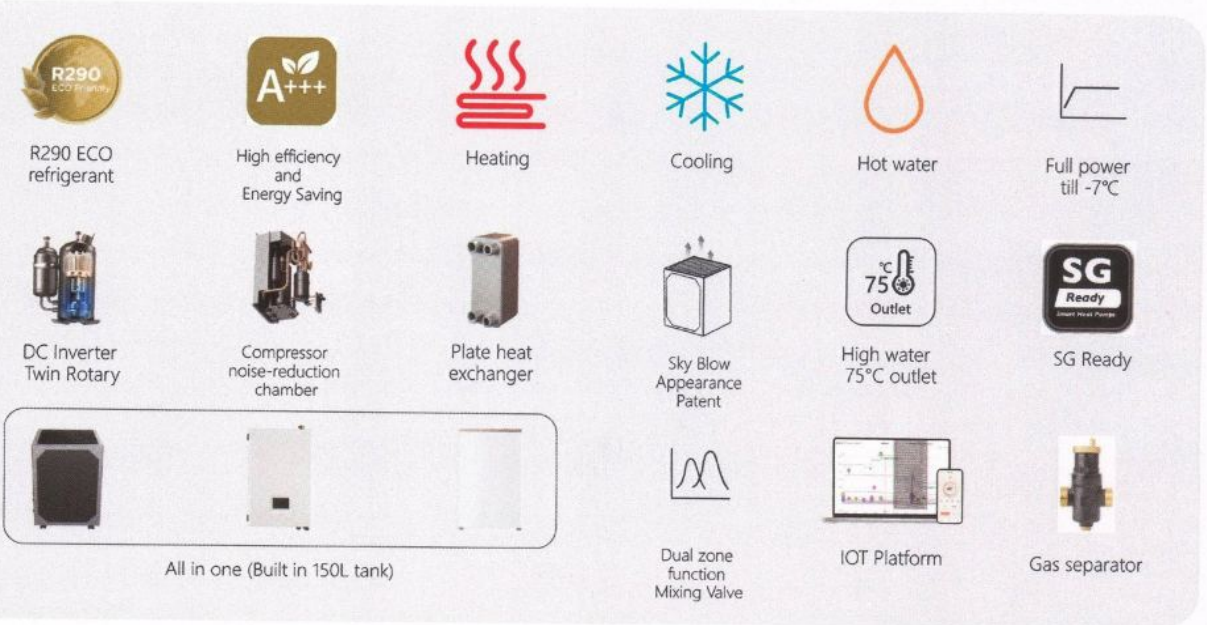
Space **Saving**

The electric heater, expansion tank, circulation pump and water tanks are all integrated into the heat pump, eliminating the need for an additional indoor unit and significantly reducing installation space and cost.



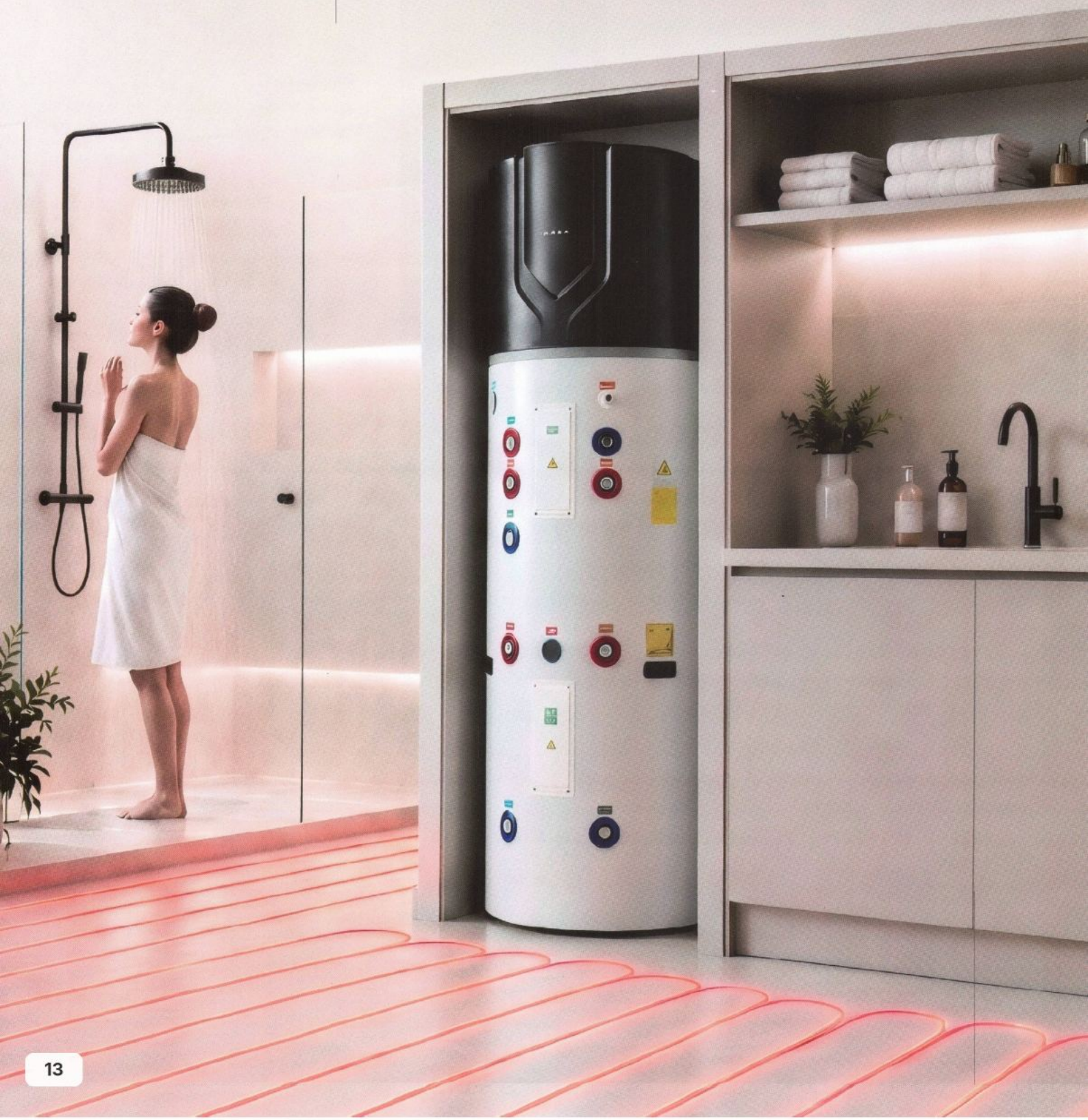
Package C
Built-in 150L
domestic water tank

Package D
Built-in 120L
buff tank



Indoor Exhaust Air Source
All in One Heat Pump

Easy Indoor Installation Solution



Hybrid-energy technology:

Heat pump prioritizes comfortable domestic hot water demand, while electric heating technology covers space heating requirements.

Heating

Hot water

70℃ Outlet



Clear SCREEN
The refrigerant absorbs heat from outdoor air and evaporates.

Connection Zone
Clearly labeled ports for easy installation and maintenance.

Service Access
Convenient front access panel for quick inspection and maintenance.

Buffer Tank
Stores thermal energy to optimize heat pump performance and system efficiency.

DHW Tank
Dedicated domestic hot water tank for consistent comfort and hish efficiency.

- Modbus-- realize centralized device management and system integration.
- All-in-one integrated design with built-in Dual water tank
- High efficiency A+ heat pump for lower energy consumption
- Smart IOT control with multiple operation modes
- Corrosion-resistant duplex steels tank for long service life



Plate heat exchanger



DC centrifugal fan



Indoor Easy installation



IOT Platform



R290 ECO refrigerant



Energy Saving

Indoor Exhaust Air Source
All in One Heat Pump

Easy Indoor Installation

Ventilation | Heating | Hot Water



HEALTHY LIVING

Continuous fresh air with filtration for better indoor air quality.

ENERGY EFFICIENT

High efficiency system reduce senergy consumption and operating costs.

ENVIRONMENT FRIENDLY

R290 natural refrigerant with ultra-low GWP, protecting our planet.

Hybrid-energy technology:

Heat pump prioritizes comfortable domestic hot water demand, while electric heating technology covers space heating requirements.

Heating

Hot water



70℃ Outlet

Built-in 200L tank

Used for domestic hot water supply, meanwhile the heating coil for space heating also passes through the water tank.

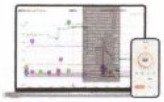
Indoor All-in-one No outdoor unit

KEY TECHNOLOGIES



R290 ECO refrigerant

Low GWP, sustainable and future-ready.



IOT Platform

Remote monitoring and smart control.



Indoor Easy installation

All connections inside for quick and neat setup.



Smart operation panel

User-friendly interface for simple control.



External copper coil

Enhanced heat transfer efficiency and durability.



DC centrifugal fan

High efficiency, low noise, powerful airflow.

Indoor Dual Air Source
Monobloc Heat Pump

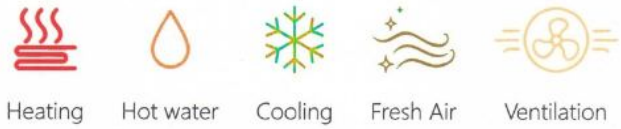
The fresh air heat pump operates in two stages

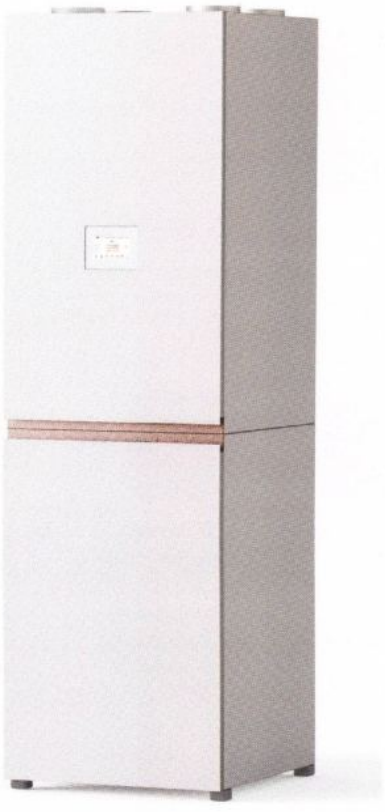
Stage 1 – Outdoor Air Energy
The system extracts thermal energy from outdoor air to provide efficient space heating.

Stage 2 – Exhaust Air Heat Recovery
The system recovers heat from indoor exhaust air while supplying filtered fresh outdoor air to the living space.

Advanced Ventilation & Safety Control

- Up to 350 m³/h Ventilation Airflow
- Dual-Stage Filtration with F5 + F9 Filters
- Integrated R290, Air Quality, and Wind Pressure Sensors







R290 ECO refrigerant

High efficiency and Energy Saving

Heating

Cooling

Hot water

Full power till -7℃

DC Inverter Twin Rotary

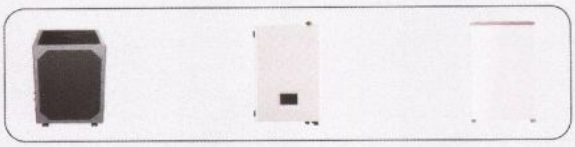
Compressor noise-reduction chamber

Plate heat exchanger

Sky Blow Appearance Patent

High water 75°C outlet

SG Ready

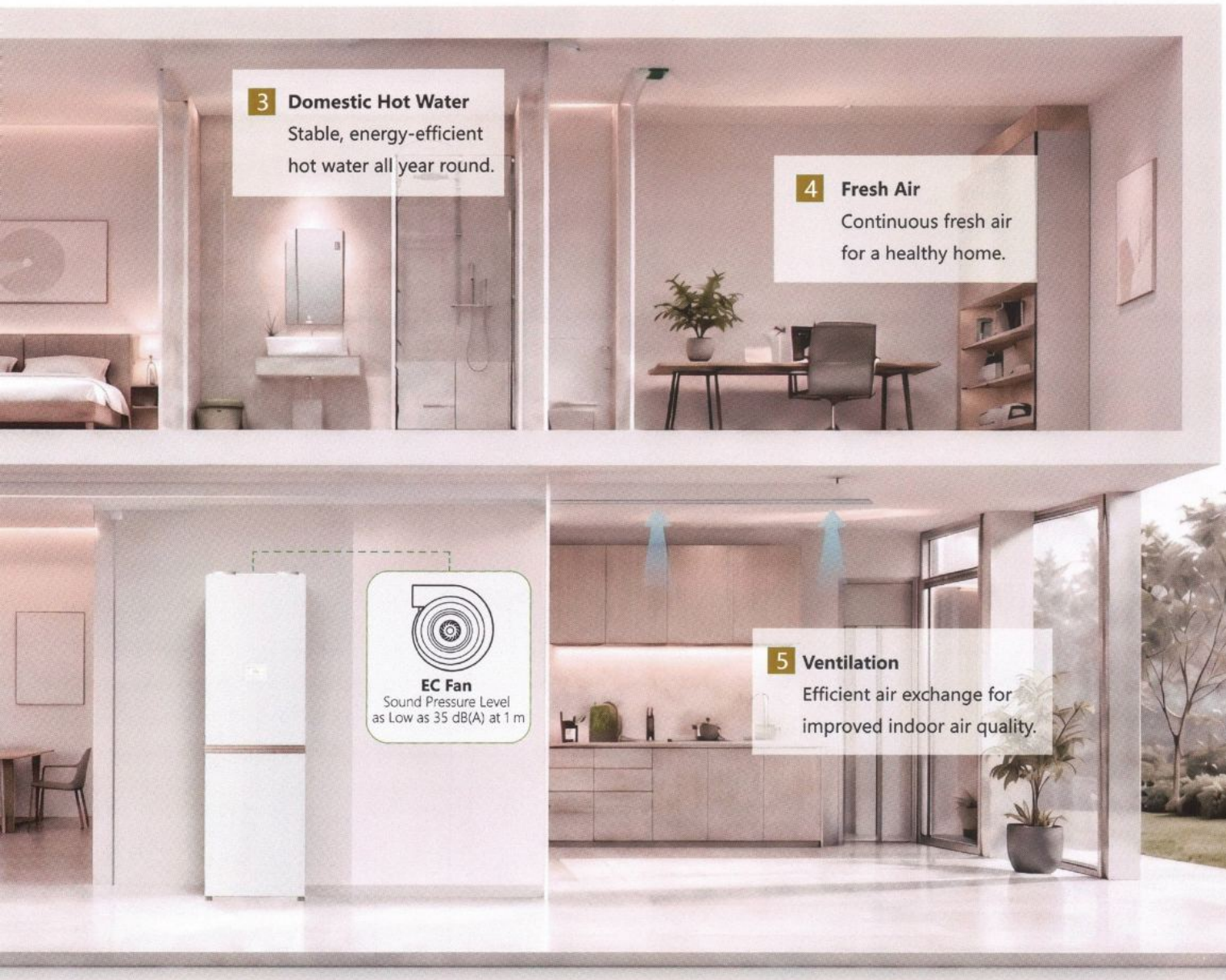


All in one (Built in 150L tank)

Dual zone function Mixing Valve

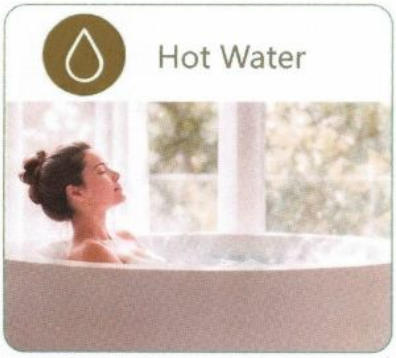
IOT Platform

Gas separator



One System
Multiple Home Comfort Needs.

Domestic hot water, heating, cooling and fresh air ventilation in one smart indoor solution.



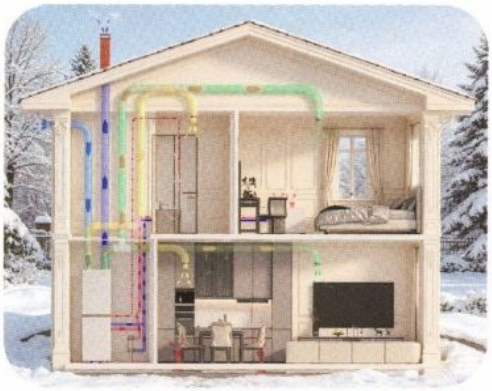






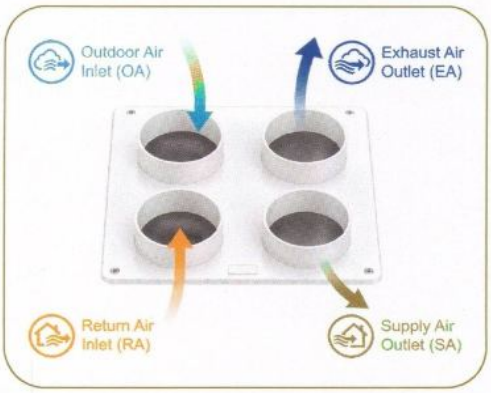


Combi Options Can Always Suit Your Home



FRESH AIR OPTION

Heat Recovery& Fresh preheat、precool、Dehumidification.



Split Design

Greater Flexibility for Low-Ceiling Spaces

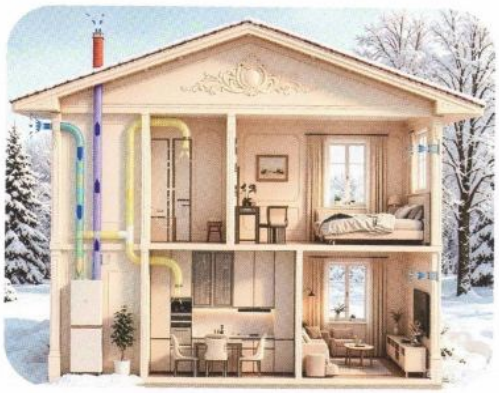
The main unit and water tank can be installed separately, providing greater flexibility in low-clearance and space-limited applications. The system can be easily adapted to utility rooms, under-stair spaces, closets or other compact indoor locations.



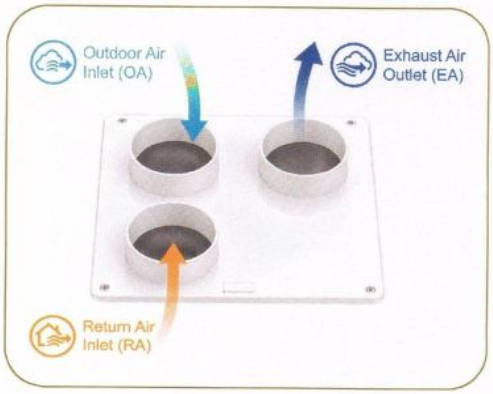
Main Unit
Fits low-ceiling spaces.

Separate Tank / Component
Install in another indoor location.

Flexible Layout
No need to place both parts together.



VENTILATION MODE
Only Heat Recovery& Ventilation



All-in-one **Heat Pump** for Domestic Hot Water

Technical Upgrade

Featuring an upgraded, top-mounted tube-in-shell heat exchanger instead of a conventional microchannel condenser, the system ensures higher reliability, excellent scale resistance, and easier maintenance.





High-efficiency tank



DC centrifugal fan



Indoor Easy installation



IOT Platform



R290 ECO refrigerant



Energy Saving



300L



200L

KEY COMPONENTS & TECHNOLOGIES

ZERO GAS LEAK INDOORS

Refrigerant Safety

LOW-NOISE OPERATION

Suitable for noise -sensitive areas

SPACE -SAVING

No indoor unit required

INTELLIGENT CONTRO

Supports app thermostat control

DUPLEX STAINLESS STEEL TANK

Long Service Life

REMOVABLE TOP KITS

Easy to Maintain

PURE WATER CYCLE SAFETY

Zero Refrigerant Pollution

COMPATIBLE WITH LOCAL WATER TANKS

Save Shipping Costs



Connect. Control. Save.

REMOTE ACCESS
Monitor and control your system from anywhere using the app.

SMART ENERGY MANAGEMENT
Track energy usage and optimize operation for greater efficiency and lower costs.

REAL-TIME ALERTS
Get instant notifications forfaults, maintenance reminders, and system updates.

Smart Control Highlights

Wi-Fi Connectivity
Stable cloud connectionforremote access and real-time control.

Modbus Compatibility
Seamless integration with BMS systems via Modbus protocol.

RS485 Communication
Reliable wired communication for stable system performance.

Remote Diagnostics
Quick issuedetection and troubleshooting to reduce downtime.

Scheduling & Automation
Custom schedules and scene settings for maximum comfort and efficiency.

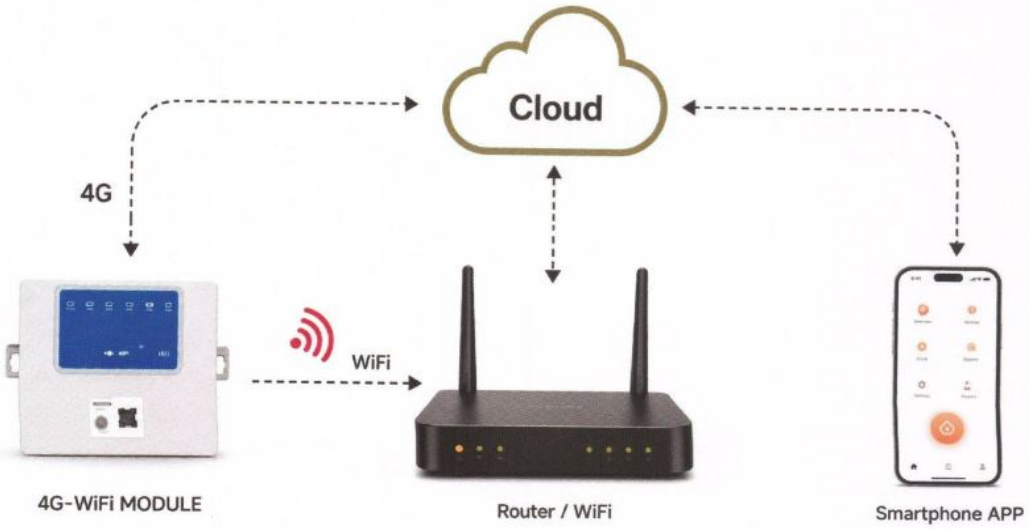
Onesystem,Multiple Comfort Options

- Sterilization Function
- Holiday Mode
- Quiet Operation
- Multiple Configurations Available
- Intelligent Control
- After-Sales Service Platform
- Real-Time Cop Visualization
- Multi-Stage Timer
- Weather Compensation Control
- Energy-Saving Timer



Smart Control **IOT System**

Smart Energy Management and Remote Diagnostics



Outdoor Air Source Monobloc Heat Pump



Model		JMU50HC	JMU70HC	JMU90HC
Heating Capacity		5kW	7kW	9kW
Power supply		220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz
Max. power input (W) (under boost mode)		3680W	4140W	4830W
Max. current input (A) (under boost mode)		16A	18A	21A
Heating 1	Heating capacity	2000~5050W	3000~7050W	3500~9100W
	Rated power input	350~1070W	500~1500W	645~1935W
	COP	4.71~5.72	4.70~5.80	4.70~5.75
Heating 2	Heating capacity	2000~5115W	3000~7070W	3500~8620W
	Rated power input	500~1650W	700~2280W	900~2780W
	COP	3.10~4.12	3.10~4.20	3.10~4.15
Cooling	Cooling capacity	1500~4620W	2500~5600W	2800~7200W
	Rated power input	500~1650W	700~2000W	900~2570W
	EER	2.80~3.58	2.80~3.65	2.80~3.60
Seasonal Space Heating Energy efficiency Class	Water outlet temperature 35℃	A+++	A+++	A+++
	Water outlet temperature 55℃	A++	A++	A++
Operating Ambient Temp.	Heating	-25-43℃	-25-43℃	-25-43℃
	Cooling	16-43℃	16-43℃	16-43℃
	DHW	-25-43℃	-25-43℃	-25-43℃
Outlet Water Temp.	Heating	20-75℃	20-75℃	20-75℃
	Cooling	12-25℃	12-25℃	12-25℃
	DHW	20-70℃	20-70℃	20-70℃
Outdoor Unit	Refrigerant	R290	R290	R290
	Sound power level	54 dB(A)	55 dB(A)	55 dB(A)
	Degree of protection (with air inlet and outlet ducts)	IPX4	IPX4	IPX4
	Anti-electric shock class	I	I	I
	Water Piping Connections	G1'External thread	G1'External thread	G1'External thread
	Package size	790.5×756.8×1060.8mm	790.5×756.8×1060.8mm	790.5×756.8×1060.8mm
	Net Dimensions	700×675×910mm	700×675×910mm	700×675×910mm
	Net Weight	106.5kg	113kg	116kg
	Gross Weight	138kg	144kg	147kg
Indoor Unit	Configuration Type	Wiring Center		Hydraulic Box
	Model	EBOX-01	EBOX3N-01	NHB-02
	Power Supply	220~240V/50Hz/60Hz	380-415V/50Hz	220~240V/50Hz/60Hz
	Expansion Tank	/	/	5L
	Electric Heating Heater	/	/	3kW
	3-Way Valve	/	/	Yes
	Automatic Air Release Valve	/	/	Yes
	Water Connection	/	/	G1'
	Communication Connecting Wire Length (Indoor unit & Outdoor unit)	15m	15m	15m
	Connecting Wire Length (Temp. Sensors)	5m	5m	5m
	Product Size (L/W/H)	506x350x110mm	506x350x110mm	610x420x250mm
	Package Dimensions (L/W/H)	605x420x175mm	605x420x175mm	700x480x312mm
	Net Weight	10kg	10kg	25kg
	Gross Weight	11kg	11kg	28kg

Outdoor Air Source Monobloc Heat Pump



Model		JMU120HC	JMU150HC	JMU150HC3N	JMU200HC3N
Heating Capacity		12kW	15kW	15kW	20kW
Power supply		220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz	380V-420V~ 50Hz/60Hz	380V-420V~ 50Hz/60Hz
Max. power input (W) (under boost mode)		5290W	7360W	7360W	9550W
Max. current input (A) (under boost mode)		23A	32A	16A	18A
Heating 1	Heating capacity	4000~12080W	5000~15040W	5000~15040W	5000~20010W
	Rated power input	850~2570W	1000~3200W	1000~3200W	1000~4250W
	COP	4.70~5.78	4.70~5.85	4.70~5.85	4.70~5.80
Heating 2	Heating capacity	4000~11070W	4500~14260W	4500~14260W	4500~18500W
	Rated power input	1200~3570W	1500~4600W	1500~4600W	1500~5960W
	COP	3.10~4.18	3.10~4.25	3.10~4.25	3.10~4.15
Cooling	Cooling capacity	3500~10050W	4000~13250W	4000~13250W	4000~17650W
	Rated power input	1200~3585W	1500~4730W	1500~4730W	1500~6330W
	EER	2.80~3.62	2.80~3.65	2.80~3.65	2.80~3.60
Seasonal Space Heating Energy efficiency Class	Water outlet temperature 35℃	A+++	A+++	A+++	A+++
	Water outlet temperature 55℃	A++	A++	A++	A++
Operating Ambient Temp.	Heating	-25-43℃	-25-43℃	-25-43℃	-25-43℃
	Cooling	16-43℃	16-43℃	16-43℃	16-43℃
	DHW	-25-43℃	-25-43℃	-25-43℃	-25-43℃
Outlet Water Temp.	Heating	20-75℃	20-75℃	20-75℃	20-75℃
	Cooling	12-25℃	12-25℃	12-25℃	12-25℃
	DHW	20-70℃	20-70℃	20-70℃	20-70℃
Outdoor Unit	Refrigerant	R290	R290	R290	R290
	Sound power level	56 dB(A)	61 dB(A)	61 dB(A)	62 dB(A)
	Degree of protection (with air inlet and outlet ducts)	IPX4	IPX4	IPX4	IPX4
	Anti-electric shock class	I	I	I	I
	Water Piping Connections	G1'External thread	G1'External thread	G1'External thread	G1 1/4'External thread
	Package size	1220×728×1095mm	1220×728×1095mm	1220×730×1095mm	1390×770×1095mm
	Net Dimensions	1130×630×935mm	1130×630×935mm	1130×630×935mm	1300×710×935mm
	Net Weight	142.5kg	166kg	170kg	190kg
	Gross Weight	187kg	211kg	215kg	235kg
Indoor Unit	Configuration Type	Hydraulic Box	Condensate drip tray	Indirectly heated storage tank	Directly heated storage tank
	Model	NHB3N-01	5-9kW/12-15kW/20kW	T150GN	T120G
	Power Supply	380-415V/50Hz	/	/	/
	Expansion Tank	5L	/	150L	120L
	Electric Heating Heater	6kW	/	/	/
	3-Way Valve	Yes	/	/	/
	Automatic Air Release Valve	Yes	/	/	/
	Water Connection	G1'	/	G1'	G1'
	Communication Connecting Wire Length (Indoor unit & Outdoor unit)	15m	/	/	/
	Connecting Wire Length (Temp. Sensors)	5m	/	/	/
	Product Size (L/W/H)	610x420x250mm	/	636*668*1090	636*668*1090
	Package Dimensions (L/W/H)	700x480x312mm	/	700*730*1215	700*730*1215
	Net Weight	25kg	/	42kg	42kg
	Gross Weight	28kg	/	64kg	64kg

Outdoor Air Source All-in-one Heat Pump



Model		JCM60HC	JCM90HC	JCM60HC-B	JCM90HC-B
Version Difference		Integrated domestic hot water tank with 3-way valve, can select primary system or secondary system		Integrated buffer tank with 3-way valve, secondary system design only	
Heating Capacity		6kW	9kW	6kW	9kW
Power supply		220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz
Max. power input (W) (under boost mode)		3680W	4830W	3680W	4830W
Max. current input (A) (under boost mode)		16A	21A	16A	21A
Heating 1	Heating capacity	2000~6156W	3000~9240W	2000~6156W	3000~9240W
	Rated power input	350~1282W	645~1905W	350~1282W	645~1905W
	COP	4.70~5.85	4.70~5.85	4.70~5.85	4.70~5.85
Heating 2	Heating capacity	2000~6105W	3500~8680W	2000~6105W	3500~8680W
	Rated power input	500~1970W	900~2782W	500~1970W	900~2782W
	COP	3.10~4.25	3.10~4.25	3.10~4.25	3.10~4.25
Cooling	Cooling capacity	1500~5180W	2875~7310W	1500~5180W	2875~7310W
	Rated power input	500~1780W	900~2520W	500~1780W	900~2520W
	EER	2.80~3.65	2.80~3.65	2.80~3.65	2.80~3.65
Seasonal Space Heating Energy efficiency Class	Water outlet temperature 35℃	A+++	A+++	A+++	A+++
	Water outlet temperature 55℃	A++	A++	A++	A++
Operating Ambient Temp.	Heating	-25-43℃	-25-43℃	-25-43℃	-25-43℃
	Cooling	16-43℃	16-43℃	16-43℃	16-43℃
	DHW	-25-43℃	-25-43℃	-25-43℃	-25-43℃
Outlet Water Temp.	Heating	20-75℃	20-75℃	20-75℃	20-75℃
	Cooling	12-25℃	12-25℃	12-25℃	12-25℃
	DHW	20-70℃	20-70℃	20-70℃	20-70℃
Refrigerant		R290	R290	R290	R290
Sound power level		54 dB(A)	55 dB(A)	54 dB(A)	55 dB(A)
Degree of protection(with air inlet and outlet ducts)		IPX4	IPX4	IPX4	IPX4
Anti-electric shock class		I	I	I	I
Water Piping Connections		G1'External thread	G1'External thread	G1'External thread	G1'External thread
Package size (mm)		785×755×2115	785×755×2265	785×755×2115	785×755×2265
Net Dimensions (mm)		700×700×1985	700×700×2135	700×700×1985	700×700×2135
Net Weight (kg)		217	230	217	230
Gross Weight (kg)		237	250	237	250
Loading quantity 20GP/40GP/40HQ pcs		21/45/45	21/45/45	21/45/45	21/45/45

Indoor Dual Air Source Monobloc Heat Pump



Model		JMU40HV-F	JMU40HV	JMU70HV
Version Difference		Fresh Air version (Heat Recovery&Fresh preheat、precool 、Dehumidification)	Ventilation version (Heat Recovery only)	Ventilation version (Heat Recovery only)
Heating Capacity		4kW	4kW	7kW
Power supply		220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz	220V-240V~ 50Hz/60Hz
Max. power input (W) (under boost mode)		2760	2760	4600W
Max. current input (A) (under boost mode)		12A	12A	20A
Heating 1	Heating capacity	1500~4505W	1500~4505W	3000~7050W
	Rated power input	270~1098W	270~1098W	500~1658W
	COP	4.10~5.55	4.10~5.55	4.25~5.55
Heating 2	Heating capacity	1200~3680W	1200~3680W	3000~7070W
	Rated power input	296~1363W	296~1363W	700~2525W
	COP	2.70~4.05	2.70~4.05	2.80~4.20
Cooling	Cooling capacity	900~2786W	900~2786W	2000~4.5kW
	Rated power input	276~1114W	276~1114W	700~1800W
	EER	2.50~3.25	2.50~3.25	2.50~3.45
Seasonal Space Heating Energy efficiency Class	Water outlet temperature 35℃	A+++	A+++	A+++
	Water outlet temperature 55℃	A++	A++	A++
Operating Ambient Temp.	Heating	-25-43℃	-25-43℃	-25-43℃
	Cooling	16-43℃	16-43℃	16-43℃
	DHW	-25-43℃	-25-43℃	-25-43℃
Outlet Water Temp.	Heating	20-75℃	20-75℃	20-75℃
	Cooling	12-25℃	12-25℃	12-25℃
	DHW	20-70℃	20-70℃	20-70℃
Refrigerant		R290	R290	R290
Sound power level		48 dB(A)	48 dB(A)	48 dB(A)
Degree of protection(with air inlet and outlet ducts)		IPX4	IPX4	IPX4
Anti-electric shock class		I	I	I
Monoblock HP Unit	Water Piping Connections	G1'External thread	G1'External thread	G1'External thread
	Net Dimensions (L/W/H)	636*668*1220	636*668*1220	664*762*1438
	Package Dimensions (L/W/H)	700*730*1338	700*730*1338	600*700*1320
	Net Weight	138kg	138kg	146kg
	Gross Weight	160kg	160kg	168kg
Water Tank	Configuration Type	Indirectly heated storage tank	Directly heated storage tank	Floor-standing base
	Model	T150GN	T120G	/
	Color	White	White	White
	Expansion Tank	150L	120L	/
	Water Connection	G1'	G1'	G1'
	Net Dimensions (L/W/H)	636*668*1090	636*668*1090	636*668*500
	Package Dimensions (L/W/H)	700*730*1215	700*730*1215	/
	Net Weight	81kg	81kg	42kg
	Gross Weight	103kg	103kg	64kg

Indoor Exhaust Air Source All in One Heat Pump



Model		J12HWH	J20HWH200-A
Heating Capacity		1.5kW	2kW
Power supply		220V-240V~50Hz	380-415V/3N ~ /50Hz
Max. power input (under boost mode)		11580W	8200W
Max. current input (under boost mode)		50.5A	15.6A
Heat pump	Refrigerant type/Charge	R290/150g	R290/300g
	Load profile	L	L
	Rated heating capacity	1500W	2000W
	Coefficient of performance/COPDHW	2.955	2.955
	Energy efficiency (ηwh)	≥122.7%	≥122.7%
	Heating up time	6.42h	5h
	Energy efficiency class	A+	A+
	Maximum volume of mixed water at 40°C	195L	220L
	Rated power input	410W	560W
	Rated current	1.80A	2.40A
	Max. power input	580W	700W
	Operating ambient Temp.	-7~45℃	-7~45℃
	Default Temp.	53℃	53℃
	Max. output water Temp.	75℃	70℃
Electric heater for DHW	Rated power input	3000W	1500W
	Rated current	13.04A	6.52A
Electric heater for Heating	Rated power input	3000W+5000W	2000W*3
	Rated current	34.78A	26.09A
Sound power level		49 dB(A)	49 dB(A)
Degree of protection (with air inlet and outlet ducts)		IPX1	IPX1
Anti-electric shock class		I	I
DHW Tank	Storage tank rating volume	180L	200L
	Water tank material	Duplex Steel 2101	Duplex Steel 2101
	Hot water outlet	G1' Internal thread	G1' Internal thread
	Cold water inlet	G1' Internal thread	G1' Internal thread
	Sewage draining outlet	G1/2' Internal thread	G1/2' Internal thread
	TP Valve connection	G3/4' Internal thread	G3/4' Internal thread
	Condensate outlet	G1/2' Internal thread	G1/2' Internal thread
Buffer Tank	Storage tank rating volume	65L	/
	Water tank material	Duplex Steel 2101	Duplex Steel 2101
	Heating water inlet	G1' Internal thread	G1' Internal thread
	Heating water outlet	G1' Internal thread	G1' Internal thread
	Air exhaust	G1/4' Internal thread	G1/4' Internal thread
Air inlet/outlet diameter		Φ180mm	Φ180mm
Net Dimensions		Φ640x1910mm	Φ640*1590mm
Package size		706x706x2030mm	706*706*1710mm
Net Weight		97kg	96kg
Gross Weight		112kg	110kg

All-in-one Heat Pump for Domestic Hot Water



Model		J12HW200V2	J12HW300V2
Heating Capacity		1.5kW	1.5kW
Power supply		220V-240V~50Hz	220V-240V~50Hz
Max. power input (under boost mode)		3580W	3580W
Max. current input (under boost mode)		16A	16A
Heat pump	Refrigerant type/Charge	R290/150g	R290/150g
	Load profile	L	XL
	Rated heating capacity	1500W	1500W
	Coefficient of performance/COP DHW	3.252	3.061
	Energy efficiency (ηwh)	≥136.6%	126.1%
	Heating up time	6.16h	11.32h
	Energy efficiency class	A+	A+
	Maximum volume of mixed water at 40°C	213L	380L
	Rated power input	410W	410W
	Rated current	1.80A	1.80A
	Max. power input	580W	580W
	Operating ambient Temp.	-7~45℃	-7~45℃
	Default setting Temp.	53℃	53℃
	Max. output water Temp.	70℃	70℃
Auxiliary electric heater	Rated power input	3000W	3000W
	Rated current	13.04A	13.04A
Sound power level		52dB(A)	49dB(A)
Degree of protection(with air inlet and outlet ducts)		IPX1	IPX1
Anti-electric shock class		I	I
Storage tank rating volume		200L	300L
Water tank material		Duplex Steel 2101	Duplex Steel 2101
Hot water outlet		G1' Internal thread	G1' Internal thread
Cold water inlet		G1' Internal thread	G1' Internal thread
Sewage draining outlet		G1/2' Internal thread	G1/2' Internal thread
TP Valve connection		G3/4' Internal thread	G3/4' Internal thread
Condensate outlet		G1/2' Internal thread	G1/2' Internal thread
Air exhaust		G1/4' Internal thread	G1/4' Internal thread
Air inlet/outlet diameter		Φ180mm	Φ180mm
Net Dimensions		Φ640x1565mm	Φ640x1960mm
Package size		706x706x1680mm	706x706x2080mm
Net Weight		72kg	84kg
Gross Weight		84kg	97kg

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Indoor Dual Source
All-in-One Heat Pump

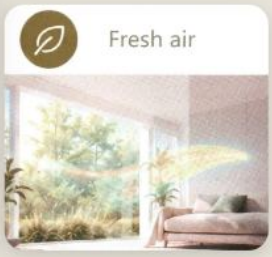
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