

Karnot Energy Solutions Inc

ALL IN ONE

Hot showers at a quarter of the cost



R290
Refrigerant



AquaHERO Series



Air Source Hot Water Heat Pump

A+

200L
HOT WATER TANK

288L
HOT WATER TANK



Whole House
Hot Water



DC Inverter
Tech



Max. Outlet Water
Temperature



Wifi
Control



Super
Quiet



Reduce Energy
by up to 75%

ENERGY INNOVATION

DC Inverter Technology - Precision Energy Saving



- ▶ Enjoy Rapid, Powerful Heating
- ▶ Benefit from Substantially Lower Bill
- ▶ Achieve a Lighter Carbon Footprint

Save up to
75%
Energy

Compared to Conventional Heating Systems.

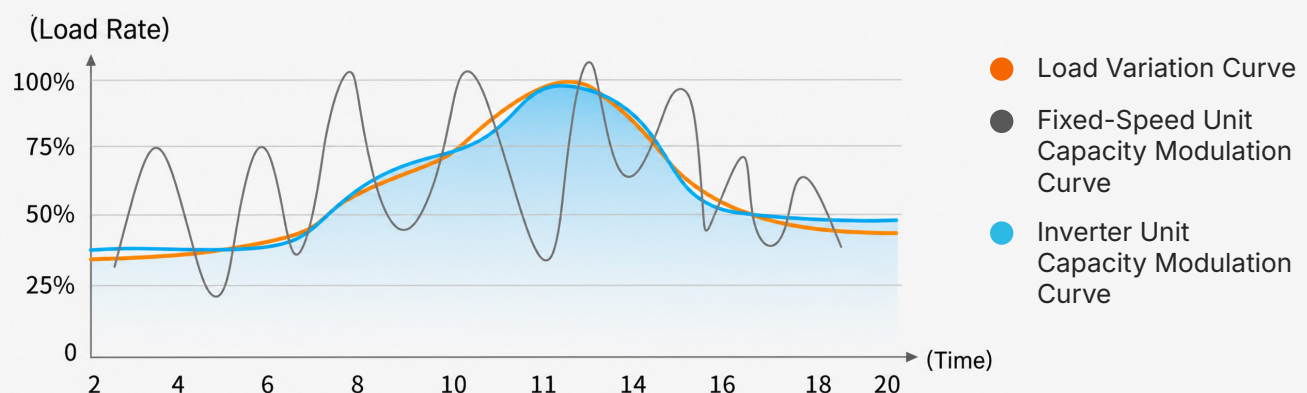
FULL INVERTER TECHNOLOGY

FIXED-SPEED UNITS

Frequent starts/stops → Accumulates startup energy waste
Mechanical wear → Reduces compressor lifespan
Rigid operation → Higher overall energy consumption

VARIABLE-SPEED UNITS

Continuous speed adjustment → Precisely matches load demands
Stable operation → Eliminates frequent start cycles
Long-term efficiency → 30-50% energy savings in continuous operation



ENERGY INNOVATION

QUICK INSTALLATION

There is no outdoor unit and it can be safely placed anywhere in the home, paired with a user - friendly draw handles design for easy mobility and installation.



LONGER LIFESPAN

LONGER LIFESPAN

It uses enamelled water tanks and multiple anti-corrosion technologies for a longer service life.

CORROSION-RESISTANT HIGH-STRENGTH WATER TANK

Strict Quality Control Ensures Long Service Life

Strict Quality Test

250,000 times pulse test:
0.85MPa

Pressure Test

1.7MPa pressure value maintained
for 15 minutes, 2 times

Fatigue Test

Inner tank tested water-filled,
wall-mounted, for more than 168 hours

CORROSION-RESISTANT HIGH-STRENGTH WATER TANK



MICROCHANNEL HEAT EXCHANGER TECHNOLOGY

- No direct contact with water – safer and healthier
- Higher efficiency: **10-30%** increase in heat transfer performance

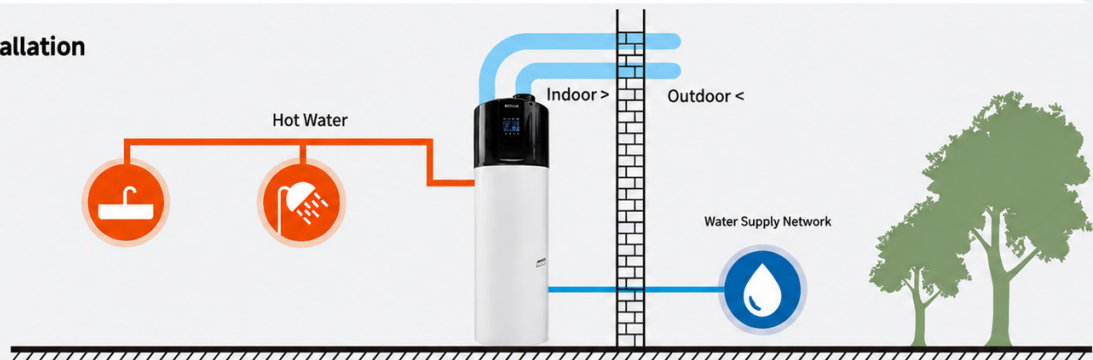


Tempered glass panel
LCD Touchscreen



INSTALLATION SKETCH

Standard Installation



Get free bonus cooling while producing hot water.



SPECIFICATIONS

Model		AquaHERO 200 L CGK010V4T200-A	AquaHERO 288 L CGK010V4T300-A
Rated heating capacity	kW	2.5	3.0
Rated power input	kW	0.56	0.68
COP (A20°C / W15-55°C)	W/W	4.40	
Back-up electric heater	kW	1.5	
Rated hot water output	L/h	54	65
Heat-up time (A14°C, inlet 13°C)	h	5.1	6.5
Max. operating current	A	9.04	9.50
Water temperature setting range	°C	35 ~ 70	
Max. outlet temperature (heat pump)	°C	65	
Max. outlet temperature (with e-heater)	°C	75	
Operating ambient range	°C	-7 ~ +43	
Sound power level	dB(A)	55	59
Refrigerant / charge	—	R290 · 150 g	
Condenser	—	Microchannel heat exchanger (no contact with water)	
Tank lining	—	Enamel	
Tank volume	L	200	288
Dimensions (Ø × H)	mm	ø570 × 1810	ø640 × 2002
Net weight	kg	99.5	135





karnot

LOW CARBON HEAT PUMPS
AIR | WATER | STEAM | CO₂

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RoHS



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