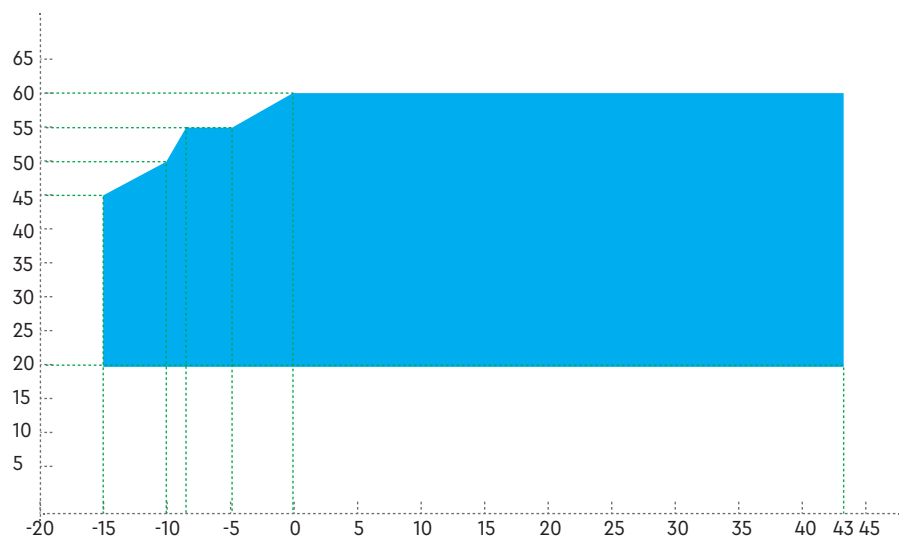


OPERATION RANGE IN HEATING MODE



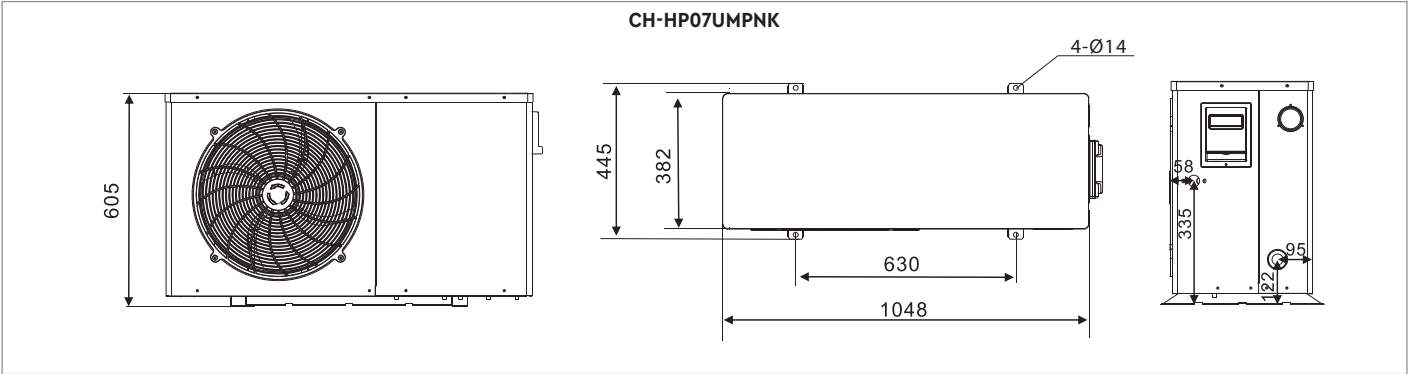
This air source heat pump uses advanced heating technology and an intelligent control system to produce hot water up to 60 °C.

TECHNICAL PARAMETERS

CH-HP07UMPNK			
Capacity *	Cooling	kW	5,9
	Heating	kW	7,4
Energy characteristics	Cooling	EER	2,56
	Heating	COP	4,11
Power input	Cooling	kW	2,3
	Heating	kW	1,8
Current input	Cooling	A	10,2
	Heating	A	8,1
Sound pressure level		dB(A)	56
Power supply		~220-240 V / 50 Hz / 1 Ph	
Operational temperature range		°C	-15~+43
Piping inlet/outlet		inch	1
Maximum water temperature		°C	60
Water flow		m³/h	1,55

Cooling: external temperature DB / WB 35 °C / 24 °C outlet water temperature 7 °C, inlet water temperature 12 °C.
* Heating: external temperature DB / WB 7 °C/ 6 °C outlet water temperature 35 °C, inlet water temperature 30 °C.

OVERALL DIMENSIONS



MINIPOWER INVERTER SERIES

FOR HEATING OR
COOLING

- ▶ No need a tank with a built-in heat exchanger. Cascade and weather-dependent control using the CH Smart application within central control comparable with TUYA.
- ▶ Inverter technology, low power-consumption ratio guarantee efficient operation. Controlled refrigeration cycle by pressure switch.
- ▶ Shell and tube heat exchanger (CH-WH5.0MIPRK) saves resources for water preparation.
- ▶ Turns ON/OFF in-built electric heater directly to hot water tank.



INVERTER

R32
FREON

❄️ +15°C ... +52°C

☀️ -27°C ... +30°C



-27°C... +52°C



Max. water
temperature



Self-
diagnostics



Auto-
protection



Anti-
corrosive
Coating



DC
compressor



Timer



Wired
Controller



Intelligent
Defrosting



Wi-Fi

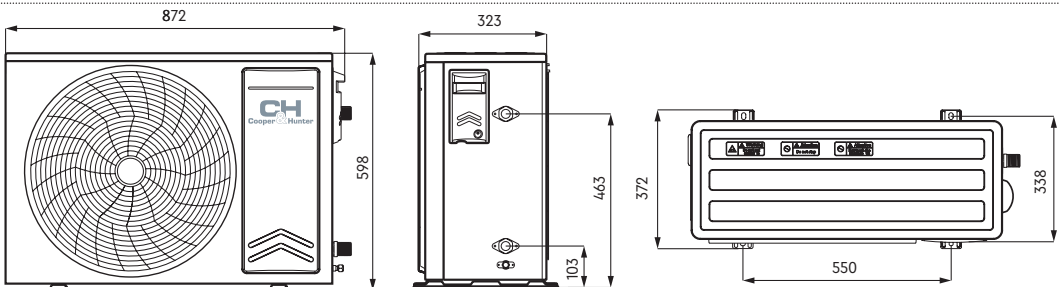


TECHNICAL PARAMETERS

			CH-HP5.0UIMPRK
Power supply			-220-240V/50 Hz/1 Ph
Cooling ¹	Capacity	kW	3.50
	Power	kW	1.25
	EER1		2.81
Cooling ²	Capacity	kW	5.00
	Power	kW	1.25
	EER2		3.90
Heating ¹	Capacity	kW	3.50
	Power	kW	1.10
	COP1		3.20
Heating ²	Capacity	kW	5.1
	Power	kW	1.4
	COP2		4.00
Heating (35 °C)	SCOP		3.50
	Energy class		A+
Heating (55 °C)	SCOP		2.50
	Energy class		A
SEER			3.50
Dimensions	H x W x D	mm	872x598x372
Weight	Net/Gross	kg	40/43
	Total head	m	6
Circulation pump	External head	m	2
	Water flow	m ³ /h	1.5
Water Side Heat exchanger	Type	-	Double-pipe exchanger
	Quantity	-	1
Compressor	Type	-	Rotary
	Manufacturer	-	GMCC
	Charged volume	kg	0.8
Refrigerant	Type	-	R32
Temperature regulating valve	-	-	Electronic expansion valve
Max. power input			1.80
Max. current input			9.00
Operation range	Heating (water)	°C	20-60
	Cooling (water)	°C	5-25
	Heating (air side)	°C	-27-30
	Cooling (air side)	°C	15-52
Sound power level	Nominal	dB(A)	61
Sound pressure level	Nominal	dB(A)	52
Piping inlet/outlet			1 Male BSP

Rated characteristics are specified for the following conditions: Cooling1: Outside air DB 7 °C, Inlet/outlet water 12/7 °C; Cooling2: Outside air DB 35 °C, Water inlet/outlet 23/18 °C; Heating1: Outside air DB 7 °C/WB 6 °C, Water inlet/outlet 40/45 °C; Heating2: Outside air DB 7 °C/WB 6 °C, Water inlet/outlet 30/35 °C.

OVERALL DIMENSIONS



MINIPOWER INVERTER SERIES

FOR DHW

- ▶ Daily timer;
- ▶ Touch control panel;
- ▶ GMCC DC inverter rotary compressor;
- ▶ External unit tray electric heater;
- ▶ Built-in circulation pump;
- ▶ Remote control via Wi-Fi;
- ▶ Control of additional electric heater.



-20°C... +43°C



Max. water
temperature



Self-
diagnostics



Auto-
protection



Anti-
corrosive
Coating



DC
compressor



Timer



Wired
Controller



Intelligent
Defrosting



Wi-Fi



-20°C ... +43°C



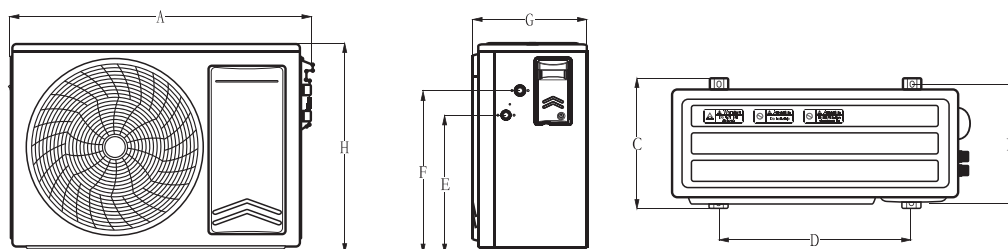
TECHNICAL PARAMETERS

		CH-WH5.0MIPRK
Power supply	--	-220-240V/50 Hz/1 Ph
Min./Max. voltage	V	185/264
Heating capacity	W	5000
	Btu/hours	18000
Water flow	l/h	108
Power input for heating	W	1200
Current input for heating	A	5.50
Power input	W	1900
Current input	A	8.9
COP	W/W	4.35
Compressor Trademark	--	GMCC
Compressor type	--	Rotary
Outdoor Unit Air Flow Volume	m ³ /h	1800
Operation Ambient Temperature Range	°C	-20-43
Throttling Method	--	Electronic expansion valve
Defrosting method	--	Automatic defrosting
Moisture protection	--	IP24
Sound pressure level	dB(A)	50
Sound power level	dB(A)	62
Piping inlet/outlet	inch	3/4 Male
Dimensions (W×D×H)	mm	863x598x372
Packing dimensions (W×D×H)	mm	941x663x412
Net weight	kg	35
Gross weight	kg	39
Refrigerant	--	R32
Refrigerant charge	kg	0.4

(1) Testing conditions:

Outdoor temperature: 20 °C DB/15 °C WB, start/end hot water temperature: 15 °C /55 °C

OVERALL DIMENSIONS



Code	Dimensions	Code	Dimensions
A	863	E	393
B	338	F	463
C	372	G	324
D	550	H	598