

# MINIPOWER INVERTER

FOR HEATING OR COOLING

*INVERTER*


R32  
FREON

❄️ +15°C ... +52°C

☀️ -27°C ... +30°C



 -27°C... +52°C	 +55°C Max. water temperature	 Self-diagnostics	 Auto-protection	 Anti-corrosive Coating	 DC-Inverter Compressor	 Timer	 Wired Controller	 Intelligent Defrosting	 Wi-Fi
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- ▶ convenient for the reconstruction of the existing heating system, as it can work with a tank and does not require a tank with a built-in heat exchanger.
- ▶ The possibility of cascade and weather-dependent control using the CH Smart application.
- ▶ Inverter control logic with optimal power-consumption ratio supports nominal power with minimum consumption figures.
- ▶ Pipeline diameter DN20 is popular among heating engineers.
- ▶ Control of the refrigeration cycle using a pressure switch.
- ▶ Compact Dimension.
- ▶ Pipe-in-pipe heat exchanger (CH-WH5.0MIPRK) that allows you to save on water treatment.
- ▶ turns on and off the electric heater built into the hot water tank.
- ▶ The possibility of integration into the system of central control of devices compatible with TUYA. 

## TECHNICAL PARAMETERS

			CH-HP5.0UIMPRK
Power supply			~220-240V/50 Hz/1 Ph
Cooling <sup>1</sup>	Capacity	kW	3,50
	Power	kW	1,25
	EER1		2,81
Cooling <sup>2</sup>	Capacity	kW	5,00
	Power	kW	1,25
	EER2		3,90
Heating <sup>1</sup>	Capacity	kW	3,50
	Power	kW	1,10
	COP1		3,20
Heating <sup>2</sup>	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	872×598×372
Weight	Net/Gross	kg	40/43
	Total head	m	6
Circulation pump	External head	m	2
	Water flow	m <sup>3</sup> /h	1,5
	Water Side Heat exchanger		Double-pipe exchanger
Compressor	Type	-	1
	Quantity	-	1
Refrigerant	Type	-	Rotary
	Manufacturer	-	GMCC
	Type	-	R32
Temperature regulating valve	Charged volume	kg	0,8
			Electronic expansion valve
Max. power input			kW
Max. current input			A
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			inch
			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

