EVIPOWER PREMIUM

Cooper & Hunter
COMFORT INNOVATIONS

NEW 2021

RELIABILITY AND PERFORMANCE

New C&H EVIPOWER PREMIUM INVERTER devices. These are the "Premium" versions of the EVIPOWER series, which provide maximum comfort at home thanks to the latest EVI technology, which extends the range of operation of the device and allows the heat pump to produce water atan outlet of 55°C with an outdoor temperature of -25°C. In addition, they are very quiet - only 46 dB(A) for a 23 kW unit. They are available in the power range from 8 kW for 1-phase units and from 12 to 23 kW for 3-phase units.

8 ~23 kW*
1 phase - 8kW
3 phase - 12/23kW

Standard BMS

All DC Inverter

Control up to 5 circuits*

Wi-Fi*

A+++

* option possible only with the smart pro 360 optional controller

EVIPOWER PREMIUM
R32

WE SAVE THE PLANET

C&H
Cooper & Hunter
COMFORT INNOVATIONS

RELIABILITY

VERY

OPERATION

AND

QUIET

EVIPOWER PREMIUM
REVERSE

SUPER SILENT
Only 46 dB(A)
for 23 kW!

MAIN FEATURES OF THE DEVICE

The ability to change the operating frequency of the EVI compressor in the range from 30 – 90 Hz, which allows for optimal adjustment of the heat pump power to each building.

Thanks to EVI DC Inverter technology, the device can produce hot water up to 60°C. Tests carriedout in the laboratory have shown that the EVI heat pump, based on ERP standards, maintains the energy class A+++.

The housing is made of high quality ABS and is strongly resistant to corrosion, which ensures a long service life.

EVIPOWER PREMIUM
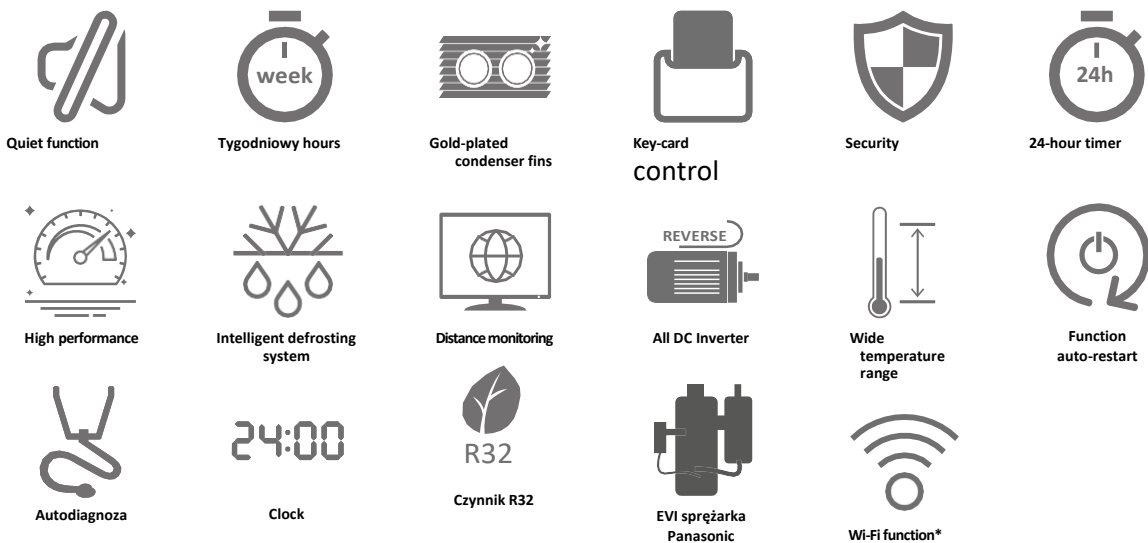
R32

MAIN FEATURES OF THE DEVICE

- Possibility settings Temperature water on Outlet from 20 of the 60 Degrees. Allows to on integration of the heat pump with both efficient low-temperature systems: fan coils and underfloor heating, as well as high-temperature systems: classic radiators in existing ones Installations.

- A high-performanceheat exchanger was used, which improves the efficiency of the entire device.

- Control of up to 3 heating circuits with circulating pumps (expandable to 5)*.

- Possibility of remote control of the device from the BMS level (RS485 inst andard).

- Colorful, touch, original control panel with menu in Polish*.

- Cascade up to 5 pumps as standard*.

- Intelligent control (also possible from the application level thanks to the WiFi module), thanks to which it is possible to activate many useful modes and functions, m.in: vacation mode, night timer, temperature timer, preview of service parameters, etc. Safety of use is ensured by the function of intelligent self-diagnosis. All this significantly affects the extension of the life of the device and increases its reliability.

* option possible only with the use of the smart Pro 360 optional controller

SPECIFICATION

The new generation of C&H EVIPOWER PREMIUM INVERTER devices offer maximum comfort at home thanks to the latest EVI technology, which extends the operating range of the unit and allows the heat pump to produce 55°C outlet water at an outdoor temperature of -25°C. In addition, the pumps are equipped with a multifunctional controller that allows you to control up to 5 heating circuits*, have Wi-Fi as standard, as well as the "Weather" function, which allows for the most effective work and ensuring maximum comfort for customers. They occur in the power range of 8 kW for 1-phase ch unitsand from 12 to 23 kW for 3-phase units.

Quiet function	Tygodniowy hours	Gold-plated condenser fins	Key-card control	Security	24-hour timer
High performance	Intelligent defrosting system	Distance monitoring	All DC Inverter	Wide temperature range	Function auto-restart
Autodiagnoza	Clock	Czynnik R32	EVI sprężarka Panasonic	Wi-Fi function*	

ACCESSORIES AS STANDARD

EVIPOWER PREMIUM Controller	DHW sensor x1 pcs.	Condensate drain connection	Anti-vibration rubber x4 pcs.	Display mounting element	Communication cable for display

OPTIONAL ACCESSORIES

Panel sterujący Smart Pro 360	Regulator Smart Pro 360	ecoNET WI-FI module	CT6-P Outdoor temperature sensor	CT-10 Direct and adjustable circulation sensor x3 pcs.

* Up to 3 heating circuits can be controlled as standard. It is possible to expand with an additional module that will allow you to control up to 5 heating circuits.

EVIPOWER PREMIUM INVERTER R32

HEAT PUMPS

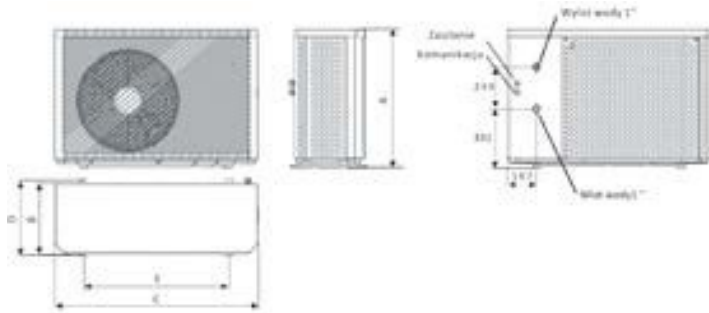| Model		CH-HP08UIMPRK-P	CH-HP12UIMPRM-P	CH-HP23UIMPRM-P
DHW mode - temp. Ambient temperature (DB/WB): 20/15°C, Temp. water (inlet/outlet): 15/55°C				
Heating capacity	Kw	3.00~9.50	4.15~16.00	10.20~23.00
Current consumption in heating mode	Kw	0.62~2.30	0.90~3.85	2.10~6.29
Heating mode - Temp. ambient temperature (DB/WB): 7/6°C, Temp. water (inlet/outlet): 30/35°C				
Heating capacity	Kw	2.30~8.20	3.80~12.50	7.00~23.00
Current consumption in heating mode	Kw	0.50~1.84	0.8~2.95	1.27~5.20
Cooling mode - Temp. Ambient temperature (DB/WB): 35/24°C, Temp. water (inlet/outlet): 12/7°C				
Cooling capacity	Kw	1.56~6.00	2.20~10.00	6.30~18.4
Current consumption in cooling mode	Kw	0.63~2.36	1.10~3.80	1.63~7.05
Frequency	Hz	30~90	30~90	30~90
ErP Level (35°C)	/	A+++	A+++	A+++
ErP Level (55°C)	/	A++	A++	A++
SCOP (35°C)	/	4.80	4.77	4.71
SCOP (55°C)	/	3.35	3.44	3.46
Freon	/	R32	R32	R32
Amount of refrigerant	kg	1.30	1.80	2.30
Power	In ~Hz/phase	230V ~50Hz/1 phase	380V ~50Hz/3 PH	380V ~50Hz/3 PH
Electric heater	/	option	option	option
Compressor manufacturer	/	Panasonic	Panasonic	Panasonic
Circulation pump	/	GRUNDFOS	GRUNDFOS	GRUNDFOS
Water connection	cal	1"	1"	1"
Water flow	m³/h	1.00	1.70	2.9
Sound pressure*	dB(A)	42	45	46
Sound power	dB(A)	57	60	61
Dimensions (W x D x H)	mm	1167x420x790	1287x500x928	1247x540x1329
Operating temperature range	°C	-30~43	-30~43	-30~43
Max. supply temperature	°C	60	60	60

* Noise level based on JB/T4330-1999 from a distance of 1m
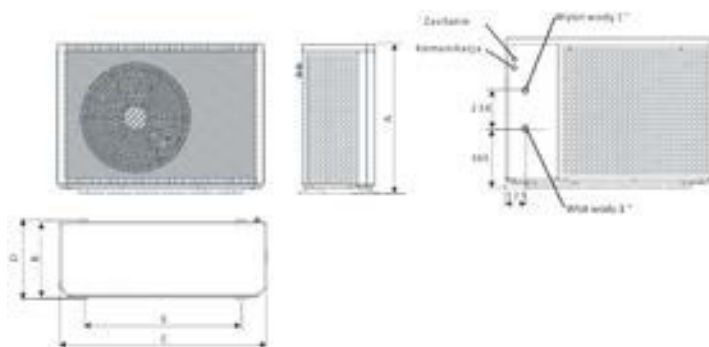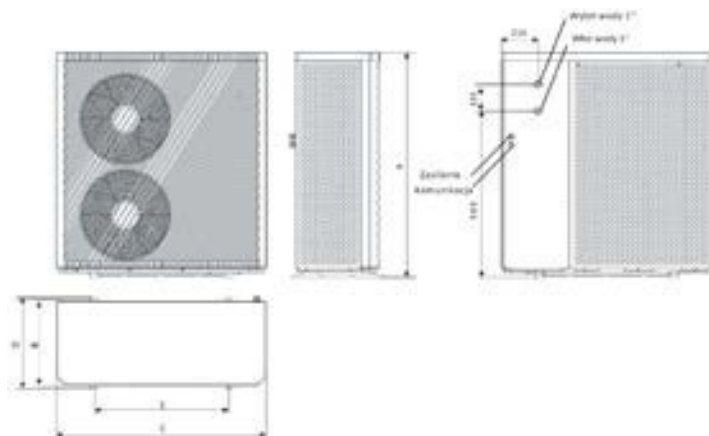
EVIPOWER PREMIUM INVERTER R32
HEAT PUMPS

OUTDOOR UNIT - DIMENSIONS

Model	A	B	C	D	And
CH-HP08UIMPRK-P	790	400	1167	420	830

Model	A	B	C	D	And
CH-HP12UIMPRM-P	928	458	1287	500	975

Model	A	B	C	D	And
CH-HP23UIMPRM-P	1329	503	1247	540	800