



EVIPOWER INVERTER

EVI DC Inverter Heat Pump

With C&H new technology of EVI DC Inverter, can be used in extremely cold area for heating/cooling, hot water



● EVI DC Inverter Technology

With C&H new technology of EVI DC Inverter, the unit is capable of producing 60°C domestic hot water. And according to test at C&H laboratory (basing on ErP test standard), the energy level can reach A++.



● Smart Colorful Touch Display

C&H wire controller is with a 5-inch smart colorful touch display which is installed on the wall. Featured of 0.5°C precise control, water temperature curve display, easy timing, one-key mute and so on, it brings users easy and convenient experience.



● Intelligent Defrosting

Intelligent defrosting uses the pressure sliding defrosting technology to figure out the exact defrosting time and start pressure according to the real ambient temperature. It saves energy and makes the heat pump work in high efficiency.

Parameters

Model	CH-HP20UIMPRM	
Heating Condition - Ambient Temp. (DB/WB): 7/6°C, Water Temp. (In/Out): 30/35°C		
Heating Capacity Range	kW	6.0~20.0
Heating Power Input Range	kW	1.5~5.0
Heating Condition - Ambient Temp. (DB/WB): 7/6°C, Water Temp. (In/Out): 50/55°C		
Heating Capacity Range	kW	5.5~18.0
Heating Power Input Range	kW	2.0~7.5
Heating Condition - Ambient Temp. (DB/WB): 2/1°C, Water Temp. (In/Out): 30/35°C		
Heating Capacity Range	kW	5.5~17.0
Heating Power Input Range	kW	1.5~5.0
Heating Condition - Ambient Temp. (DB/WB): 2/1°C, Water Temp. (In/Out): 50/55°C		
Heating Capacity Range	kW	5.5~15.0
Heating Power Input Range	kW	2.2~7.4
Heating Condition - Ambient Temp. (DB/WB): -7/-8°C, Water Temp. (In/Out): 30/35°C		
Heating Capacity Range	kW	4.6~14.5
Heating Power Input Range	kW	1.5~5.0
Heating Condition - Ambient Temp. (DB/WB): -7/-8°C, Water Temp. (In/Out): 50/55°C		
Heating Capacity Range	kW	4.5~14.0
Heating Power Input Range	kW	2.2~7.3
Cooling Condition - Ambient Temp. (DB/WB): 35/24°C, Water Temp. (In/Out): 12/7°C		
Cooling Capacity Range	kW	4.2~14.0
Cooling Power Input Range	kW	1.8~7.5
Frequency	Hz	30~90
ErP Level (35°C)	/	A++
ErP Level (55°C)	/	A++
Power Supply	/	380~415V, 3N, 50/60Hz
Electric Heater	kW	/
Max. Running Current	A	13.5
Refrigerant Type	/	R32
Refrigerant Quantity	kg	1.8
Compressor Brand	/	Panasonic
Water Pump	/	GRUNDFOS
Water Connection	inch	1 1/4"
Water Flow	m³/h	2.15
Water Pressure Drop	kPa	45
Water Pump Head	m	4
DC Motor Quantity	/	2
DC Motor Power Input (max)	W	130
DC Motor Power Input (min)	W	45
DC Motor Speed (max)	RPM	850
DC Motor Speed (min)	RPM	300
*Noise	dB(A)	55
Net Weight	kg	155
Gross Weight	kg	175
Net Dimension (L/W/H)	mm	1000*395*1315
Shipping Dimension (L/W/H)	mm	1070*415*1330
Operation Ambient Temp.	°C	-25~43
Max. Outlet Water Temp.	°C	60

*Noise test is based on JB/T4330-1999 at 1 meter distance.

