

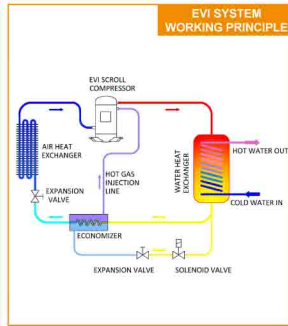
# DC Inverter Heat Pump



## Solutions to Heating, Cooling & Sanitary Hot Water



Blueway DC Inverter Heat Pump has normal ambient & low ambient type, including split & monoblock type. R32 or R410a is optional, which can provide air conditioning, heating and hot water for families, apartments, small industrial sites, etc. Its core philosophy is to solve users' house heating during winter and cooling during summer, as well as domestic hot water. Additionally, it can work with solar, boiler or electric heater according to the practical condition of the heating system. For low ambient type, it can stably work under ambient temperature down -35°C. Some models have gotten ErP A+++ from TUV.



## Features & Highlights

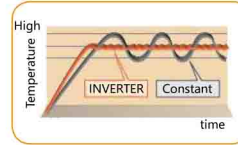


- Extended working range down to -35°C ambient (low ambient type)
- 5 modes: heating only, heating+DHW, cooling only, cooling+hot water, DHW only
- Low running costs and high efficiency
- Long-life and corrosion resistant composite cabinet stands up to severe climates
- Famous compressor ensures outstanding performance and durability
- LCD Touch screen with self-diagnostic control function
- With control output for three-way valve
- Easy operation and simple installation
- WIFI control function is optional

## Key Components

### High Energy Saving & High Power Technology

Accurate temperature control by DC inverter technology



Blueway drive inverter technology



### Intelligent Control

The units are supplied with micro processor based digital controller with LCD touch display. The controller is programmed to provide a maximum protection to the heat pump system and accurate temperature control. The control panel is completely factory wired with all accessories and terminals included.



Inverter type

### Plate Heat Exchanger

- High corrosion resistance
- High thermal efficiency
- High working temperature



### High Efficiency Compressor

- High efficiency and energy saving
- Quiet operation due to less moving parts
- Adopt famous brand rotary or scroll compressor



### High Efficiency Class A Pump

Energy saving pump with constant volume or pressure adjustment function. German Wilo or Chinese Shinoo water pump is optional.



## Split Type

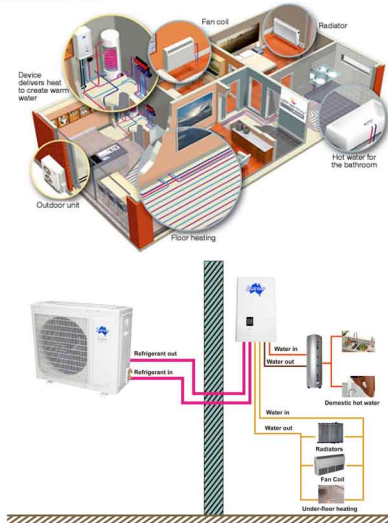


Indoor Unit    EDHP-09S    EDHP-14S    EDHP-18S    EDHP-24S    EDHP-30S

## Features & Highlights

- No water freezing problem with split design (water system inside the house)
- The outdoor unit is designed for anti-snow
- The indoor unit is designed for substituting traditional boilers easily, with luxurious facade

## Applications



## Monoblock Type



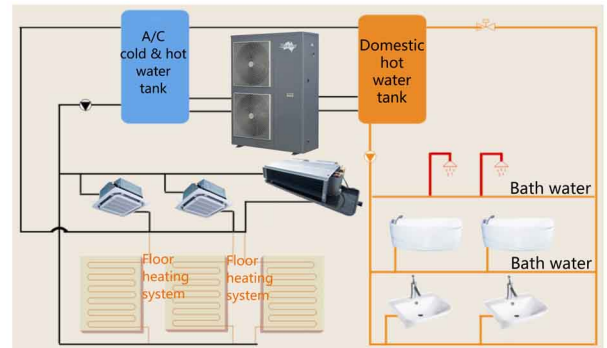
EDHP-30M    EDHP-30M    EDHP-24M    EDHP-18M    EDHP-14M    EDHP-09M

## Features & Highlights

- With classic leisure product appearance
- Compact, weather-resistant and easy to install
- All in one system to save installation space & time
- Option: built-in water pump, expansion tank & electric heater
- R32 or R410a is optional

## Applications

The Installation Diagram





### DC Inverter HP (Normal Temp.) Split

### Technical Specifications

	Model		DHP-09S	DHP-14S	DHP-16S	DHP-24S	DHP-30S	
	HP	V/Hz/Ph	3	5	6	8	10	
Power supply	Indoor unit	V/Hz/Ph	220-240/50/1, 380-415/50/3					380-415/50/3
	Outdoor unit	V/Hz/Ph	220-240/50/1, 380-415/50/3					380-415/50/3
+7°C/35°C Floor heating	Heating capacity	kW/h	9	14	16	24	30	
	Power input	kW	2	3.04	3.5	5.4	7.3	
+12°C/35°C Floor heating	COP	-	4.5	4.6	4.56	4.45	4.1	
	Heating capacity	kW/h	8.5	12.5	14.3	21.7	28	
-7°C/35°C Floor heating	Power input	kW	2.18	3.13	3.7	5.5	7.2	
	COP	-	3.9	4.0	3.92	4.0	3.9	
+7°C/35°C Floor heating	Heating capacity	kW/h	7.1	11	13	18.9	24	
	Power input	kW	2.4	3.61	4.4	6.52	8	
+7°C/45°C Radiators	COP	-	2.96	3.05	2.95	2.9	3	
	Heating capacity	kW/h	8.5	13	15	20.6	29	
-7°C/45°C Radiators	Power input	kW	2.4	3.6	4.4	5.9	8.5	
	COP	-	3.54	3.62	3.4	3.5	3.4	
+7°C/55°C Hot water	Heating capacity	kW/h	6.8	10.2	12.5	18.0	22	
	Power input	kW	2.9	4.23	5.2	7.6	9.6	
+35°C/7°C Fan coil	COP	-	2.34	2.41	2.4	2.37	2.3	
	Heating capacity	kW/h	6	12	14	20	24	
Energy efficiency class	Power input	kW	2.26	4	4.91	7.1	9.2	
	COP	-	2.65	3	2.85	2.8	2.6	
Heating operation range	Cooling capacity	kW/h	7	11	13	20	24	
	Power input	kW	2.6	3.95	4.8	7.25	9.2	
Cooling operation range	EER	-	2.7	2.8	2.7	2.76	2.6	
	DHW mode	-	A++	A+	A++	A+	A+	
Domestic hot water operation	Ambient	°C	A+	A+	A+	A+	A+	
	DHW mode	-	A++	A+	A++	A+	A+	
Rated water flow rate	DHW mode	-	A+	A+	A+	A+	A+	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
Rated pressure drop	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Max. working pressure	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Microprocessor based digital wire controller with LCD display	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
External cabinet	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Compressor	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Water heat exchanger	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
Electric heater	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Expansion tank	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Water	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
Noise level	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Net dimension (W*D*H)	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Net weight	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	

**Notes:**  
 1. The values of heating/cooling capacity/power input/COP/EER are based on measurement of EN14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values;  
 2. Sound pressure level measured at distance of 1m from the device;  
 3. For wall-mounted type, the compressor is located in the outdoor unit;  
 Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.

### DC Inverter HP (Normal Temp.) Monoblock

### Technical Specifications

	Model		DHP-09M	DHP-14M	DHP-16M	DHP-24M	DHP-30M	
	HP	V/Hz/Ph	3	5	6	8	10	
Power supply	Indoor unit	V/Hz/Ph	220-240/50/1, 380-415/50/3					380-415/50/3
	Outdoor unit	V/Hz/Ph	220-240/50/1, 380-415/50/3					380-415/50/3
+7°C/35°C Floor heating	Heating capacity	kW/h	9	14	16	24	30	
	Power input	kW	2	3.04	3.5	5.4	7.3	
+12°C/35°C Floor heating	COP	-	4.5	4.6	4.56	4.45	4.1	
	Heating capacity	kW/h	8.5	12.5	14.3	21.7	28	
-7°C/35°C Floor heating	Power input	kW	2.18	3.13	3.7	5.5	7.2	
	COP	-	3.9	4.0	3.92	4.0	3.9	
+7°C/35°C Floor heating	Heating capacity	kW/h	7.1	11	13	18.9	24	
	Power input	kW	2.4	3.61	4.4	6.52	8	
+7°C/45°C Radiators	COP	-	2.96	3.05	2.95	2.9	3	
	Heating capacity	kW/h	8.5	13	15	20.6	29	
-7°C/45°C Radiators	Power input	kW	2.4	3.6	4.4	5.9	8.5	
	COP	-	3.54	3.62	3.4	3.5	3.4	
+7°C/55°C Hot water	Heating capacity	kW/h	6.8	10.2	12.5	18.0	22	
	Power input	kW	2.9	4.23	5.2	7.6	9.6	
+35°C/7°C Fan coil	COP	-	2.34	2.41	2.4	2.37	2.3	
	Heating capacity	kW/h	6	12	14	20	24	
Energy efficiency class	Power input	kW	2.26	4	4.91	7.1	9.2	
	COP	-	2.65	3	2.85	2.8	2.6	
Heating operation range	Cooling capacity	kW/h	7	11	13	20	24	
	Power input	kW	2.6	3.95	4.8	7.25	9.2	
Cooling operation range	EER	-	2.7	2.8	2.7	2.76	2.6	
	DHW mode	-	A++	A+	A++	A+	A+	
Domestic hot water operation	Ambient	°C	A+	A+	A+	A+	A+	
	DHW mode	-	A++	A+	A++	A+	A+	
Rated water flow rate	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
	DHW mode	-	A+	A+	A+	A+	A+	
Rated pressure drop	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Max. working pressure	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Microprocessor based digital wire controller with LCD display	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
External cabinet	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Compressor	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Water heat exchanger	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
Electric heater	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Expansion tank	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Water	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	
Noise level	Water side	°C	18~60	18~60	18~60	18~60	18~60	
	Ambient	°C	10~43	10~43	10~43	10~43	10~43	
Net dimension (W*D*H)	Water side	°C	7~22	7~22	7~22	7~22	7~22	
	Ambient	°C	25~35	25~35	25~35	25~35	25~35	
Net weight	Water side	°C	25~60	25~60	25~60	25~60	25~60	
	Ambient	°C	-15~25	-15~25	-15~25	-15~25	-15~25	

**Notes:**  
 1. The values of heating/cooling capacity/power input/COP/EER are based on measurement of EN14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values;  
 2. Sound pressure level measured at distance of 1m from the device;  
 3. If local ambient temperature will be below 0 °C in winter, please use an approved antifreeze solution;  
 Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.



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## DC Inverter HP (Low Ambient Temp.) Split

### Technical Specifications

	Model		EDHP-09S	EDHP-14S	EDHP-18S	EDHP-24S	EDHP-30S
	HP	HP	3	5	6	8	10
Power supply	Indoor unit	V/Hz/Ph	220-240/50/1	220-240/50/1, 380-415/50/3	220-240/50/1, 380-415/50/3	220-240/50/1, 380-415/50/3	220-240/50/1, 380-415/50/3
	Outdoor unit	V/Hz/Ph	9	14	18	24	30
+7°C/35°C Floor heating	Heating capacity	kW/h	3	4.5	5.5	7.3	9
	Power input	kW	2.4	3.04	3.95	5.4	7.3
+12°C/35°C Floor heating	Heating capacity	kW/h	4.5	6.5	8.5	11.5	14.5
	Power input	kW	2.8	3.13	4.1	5.5	7.2
-7°C/35°C Floor heating	Heating capacity	kW/h	7.1	11	14.1	18.9	24
	Power input	kW	2.4	3.61	4.79	6.52	8.4
+7°C/45°C Radiators	Heating capacity	kW/h	8.5	13	16.7	20.6	29
	Power input	kW	2.4	3.6	4.92	5.9	8.5
-7°C/45°C Radiators	Heating capacity	kW/h	6.8	10.2	13.1	18.0	22
	Power input	kW	2.9	4.23	5.46	7.6	9.6
+7°C/55°C Hot water	Heating capacity	kW/h	6	12	15.4	20	24
	Power input	kW	2.26	4	5.41	7.1	9.2
-12°C/41°C Floor heating	Heating capacity	kW/h	6	10.5	13.5	17.8	22
	Power input	kW	2.6	4.5	5.97	7.74	9.6
+35°C/7°C Fan coil	Cooling capacity	kW/h	2.3	2.96	2.26	2.3	2.3
	Power input	kW	7	11	14	20	24
Energy efficiency class	Floor heating	-	A++	A+	A++	A+	A+
	DHW mode	-	A+	A+	A+	A+	A+
Heating operation range	Ambient	°C	-	-25~25	-	-	-
	Water side	°C	-	18~60	-	-	-
Cooling operation range	Ambient	°C	-	10~43	-	-	-
	Water side	°C	-	7~25	-	-	-
Domestic hot water operation	Ambient	°C	-	-25~45	-	-	-
	Water side	°C	-	25~60	-	-	-
Rated water flow rate	m <sup>3</sup> /h		1.5	2.4	3.2	4.1	5.2
	Rated pressure drop	kPa	30	45	45	40	47
Max. working pressure	Refrigerant	Bar	44	44	44	44	44
	Water	Bar	7	7	7	7	7
Controller	-	-	Micro processor based digital wire controller with LCD touch screen				
External cabinet	-	-	Galvanized steel with powder coating				
Compressor	Type	-	Rotary				
	Qty.	Nos.	1	1	1	1	1
Water heat exchanger	Refrigerant	-	R32 or R410a	-	R410a	-	-
	Fan	-	-	DC fan motor & plastic fan			-
Water pump	-	-	DC pump, Wilo or Shinjoo		DC pump, Shinjoo		-
Expansion tank	Electric heater	kW	3 or 6		6		-
	Automatic defrost	-	Crankshaft heater & bottom plate heater				
Wi-Fi function	Wi-Fi function	-	v				
	Water connection	Inlet&Outlet	inch	1"	1"	1"	1"
Noise level	Indoor Unit	dB(A)	42	42	42	42	42
	Outdoor Unit	dB(A)	52	56	58	59	61
Net dimension (W*H*H)	Indoor Unit	mm	504*250*925	504*250*925	504*250*925	554*250*965	554*250*965
	Outdoor Unit	mm	950*445*900	976*410*1273	940*481*1365	1100*487*1563	1200*487*1710
Net weight	Indoor Unit	kg	48	55	55	70	70
	Outdoor Unit	kg	58	90	100	120	140

- The values of heating (cooling) capacity/power input/COP(EER) are based on measurement of ISO14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values.
  - Sound pressure level measured at distance of 1m from the device.
  - For wall-mounted type, the compressor is located in the outdoor unit.
- Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.



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## DC Inverter HP (Low Ambient Temp.) Monoblock

### Technical Specifications

	Model		EDHP-09M	EDHP-14M	EDHP-18M	EDHP-24M	EDHP-30M
	HP	HP	3	5	6	8	10
Power supply	Indoor unit	V/Hz/Ph	220-240/50/1	220-240/50/1, 380-415/50/3	220-240/50/1, 380-415/50/3	220-240/50/1, 380-415/50/3	220-240/50/1, 380-415/50/3
	Outdoor unit	V/Hz/Ph	9	14	18	24	30
+7°C/35°C Floor heating	Heating capacity	kW/h	3	4.5	5.5	7.3	9
	Power input	kW	2.4	3.04	3.95	5.4	7.3
+12°C/35°C Floor heating	Heating capacity	kW/h	4.5	6.5	8.5	11.5	14.5
	Power input	kW	2.8	3.13	4.1	5.5	7.2
-7°C/35°C Floor heating	Heating capacity	kW/h	7.1	11	14.1	18.9	24
	Power input	kW	2.4	3.61	4.79	6.52	8.4
+7°C/45°C Radiators	Heating capacity	kW/h	8.5	13	16.7	20.6	29
	Power input	kW	2.4	3.6	4.92	5.9	8.5
-7°C/45°C Radiators	Heating capacity	kW/h	6.8	10.2	13.1	18.0	22
	Power input	kW	2.9	4.23	5.46	7.6	9.6
+7°C/55°C Hot water	Heating capacity	kW/h	6	12	15.4	20	24
	Power input	kW	2.26	4	5.41	7.1	9.2
-12°C/41°C Floor heating	Heating capacity	kW/h	6	10.5	13.5	17.8	22
	Power input	kW	2.6	4.5	5.97	7.74	9.6
+35°C/7°C Fan coil	Cooling capacity	kW/h	2.3	2.96	2.26	2.3	2.3
	Power input	kW	7	11	14	20	24
Energy efficiency class	Floor heating	-	A++	A+	A++	A+	A+
	DHW mode	-	A+	A+	A+	A+	A+
Heating operation range	Ambient	°C	-	-25~25	-	-	-
	Water side	°C	-	18~60	-	-	-
Cooling operation range	Ambient	°C	-	10~43	-	-	-
	Water side	°C	-	7~25	-	-	-
Domestic hot water operation	Ambient	°C	-	-25~45	-	-	-
	Water side	°C	-	25~60	-	-	-
Rated water flow rate	m <sup>3</sup> /h		1.5	2.4	3.2	4.1	5.2
	Rated pressure drop	kPa	30	45	45	40	47
Max. working pressure	Refrigerant	Bar	44	44	44	44	44
	Water	Bar	7	7	7	7	7
Controller	-	-	Micro processor based digital wire controller with LCD touch screen				
External cabinet	-	-	Galvanized steel with powder coating				
Compressor	Type	-	Rotary				
	Qty.	Nos.	1	1	1	1	1
Water heat exchanger	Refrigerant	-	R32 or R410a	-	R410a	-	-
	Fan	-	-	DC fan motor & plastic fan			-
Water pump (optional)	-	-	DC pump, Wilo or Shinjoo		DC pump, Shinjoo		-
Expansion tank (optional)	Electric heater	kW	3 or 6		6		-
	Automatic defrost	-	Crankshaft heater & bottom plate heater				
Wi-Fi function	Wi-Fi function	-	v				
	Water connection	Inlet&Outlet	inch	1"	1"	1"	1"
Noise level	Indoor level	dB(A)	52	52	56	58	61
	Net dimension	W*H*H	mm	1160*430*820	1079*430*1273	1079*500*1373	1150*480*1565
Net weight	Indoor Unit	kg	100	130	145	157	230

- The values of heating (cooling) capacity/power input/COP(EER) are based on measurement of ISO14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values.
  - Sound pressure level measured at distance of 1m from the device.
  - If local ambient temperature will be below 0°C in winter, please use an approved antifreeze solution.
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DC Inverter HP (Low Ambient Temp.) Split

Technical Specifications

Model	HP	EDHP-09S	EDHP-14S	EDHP-18S	EDHP-24S	EDHP-30S
		3	5	6	8	10
Power supply	Indoor unit	V/Hz/Ph	220-240/50/1, 380-415/50/3			380-415/50/3
	Outdoor unit	V/Hz/Ph	220-240/50/1	220-240/50/1, 380-415/50/3		
+7°C/35°C Floor heating	Heating capacity	kW	9	14	18	24
	Power input	kW	1.87	2.89	3.75	5.02
+12°C/35°C Floor heating	Heating capacity	kW/h	8.5	12.5	16	21.7
	Power input	kW	1.98	2.91	3.74	5.09
-7°C/35°C Floor heating	Heating capacity	kW/h	7.2	11.2	14.4	19.3
	Power input	kW	2.18	3.38	4.36	5.90
+7°C/45°C Radiators	Heating capacity	kW/h	8.5	13	16.7	20.6
	Power input	kW	2.29	3.49	4.54	6.01
-7°C/45°C Radiators	Heating capacity	kW/h	6.9	10.4	13.4	18.4
	Power input	kW	2.55	3.82	5.04	7.02
+7°C/55°C Hot water	Heating capacity	kW/h	6.1	12.2	15.7	20.4
	Power input	kW	1.96	3.14	3.98	5.22
-12°C/41°C Floor heating	Heating capacity	kW/h	6.2	10.9	14.1	18.6
	Power input	kW	2.46	4.29	5.64	7.53
+35°C/7°C Fan coil	Cooling capacity	kW/h	7.4	11.8	15	21
	Power input	kW	2.42	3.81	5.00	7.12
Energy efficiency class	Floor heating	-	A+++	A+++	A+++	A+++
	DHW mode	-	A++	A++	A++	A++
Heating operation range	Water side	°C	-25~25	-25~25	-25~25	-25~25
	Water side	°C	18~60	18~60	18~60	18~60
Cooling operation range	Ambient	°C	10~43	10~43	10~43	10~43
	Water side	°C	7~25	7~25	7~25	7~25
Domestic hot water operation	Ambient	°C	-25~45	-25~45	-25~45	-25~45
	Water side	°C	25~60	25~60	25~60	25~60
Rated water flow rate	m <sup>3</sup> /h	1.5	2.4	3.2	4.1	5.2
Rated pressure drop	kPa	36	50	50	48	52
Max. working pressure	Refrigerant	Bar	44	44	44	44
	Water	Bar	7	7	7	7
Controller	-	Micro processor based digital wire controller with LCD touch screen				
External cabinet	Type	-	Galvanized steel with powder coating			Rotary
	Qty.	-	1	1	1	1
Compressor	Type	-	R32 or R410a			R410a
	Refrigerant	-	R32 or R410a	R410a		
Water heat exchanger	-	SUS 316 Brazed plate heat exchanger				
Fan	-	DC fan motor & plastic fan				
Water pump	-	DC pump, Wilo or Shinjoo		DC pump, Shinjoo		DC pump, Shinjoo
Expansion tank	L	5	8	10	10	10
Electric heater	kW	3 or 6			6	6
Heating element	-	Crankshaft heater & bottom plate heater				
Automatic defrost	-	v				
Wi-Fi function	-	v				
Water connection	Inlet&Outlet	inch	1"	1"	1"	1 1/4"
Noise level	Indoor Unit	dB(A)	42	42	42	42
	Outdoor Unit	dB(A)	52	56	58	59
Net dimension (W*H*H)	Indoor Unit	mm	504*250*925	504*250*925	504*250*925	554*250*965
	Outdoor Unit	mm	950*465*900	976*410*1273	940*481*1365	1100*481*1563
Net weight	Indoor Unit	kg	48	55	55	70
	Outdoor Unit	kg	59	91	102	122

Notes:  
 1.The values of heating/cooling capacity/power input/COPI(EER) are based on measurement of ISO14511 standard.Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values.  
 2.Sound pressure level measured at distance of 1m from the device.  
 3.For wall-mounted type, the compressor is located in the outdoor unit.  
 Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.

DC Inverter HP (Low Ambient Temp.) Monoblock

Technical Specifications

Model	HP	EDHP-09M	EDHP-14M	EDHP-18M	EDHP-24M	EDHP-30M
		3	5	6	8	10
Power supply	Indoor unit	V/Hz/Ph	220-240/50/1, 380-415/50/3			380-415/50/3
	Outdoor unit	V/Hz/Ph	220-240/50/1	220-240/50/1, 380-415/50/3		
+7°C/35°C Floor heating	Heating capacity	kW/h	8.5	12.5	16	21.7
	Power input	kW	1.87	2.89	3.75	5.02
+12°C/35°C Floor heating	Heating capacity	kW/h	8.5	12.5	16	21.7
	Power input	kW	1.98	2.91	3.74	5.09
-7°C/35°C Floor heating	Heating capacity	kW/h	7.2	11.2	14.4	19.3
	Power input	kW	2.18	3.38	4.36	5.90
+7°C/45°C Radiators	Heating capacity	kW/h	8.5	13	16.7	20.6
	Power input	kW	2.29	3.49	4.54	6.01
-7°C/45°C Radiators	Heating capacity	kW/h	6.9	10.4	13.4	18.4
	Power input	kW	2.55	3.82	5.04	7.02
+7°C/55°C Hot water	Heating capacity	kW/h	6.1	12.2	15.7	20.4
	Power input	kW	1.96	3.14	3.98	5.22
-12°C/41°C Floor heating	Heating capacity	kW/h	6.2	10.9	14.1	18.6
	Power input	kW	2.46	4.29	5.64	7.53
+35°C/7°C Fan coil	Cooling capacity	kW/h	7.4	11.8	15	21
	Power input	kW	2.42	3.81	5.00	7.12
Energy efficiency class	Floor heating	-	A+++	A+++	A+++	A+++
	DHW mode	-	A++	A++	A++	A++
Heating operation range	Water side	°C	-25~25	-25~25	-25~25	-25~25
	Water side	°C	18~60	18~60	18~60	18~60
Cooling operation range	Ambient	°C	10~43	10~43	10~43	10~43
	Water side	°C	7~25	7~25	7~25	7~25
Domestic hot water operation	Ambient	°C	-25~45	-25~45	-25~45	-25~45
	Water side	°C	25~60	25~60	25~60	25~60
Rated water flow rate	m <sup>3</sup> /h	1.5	2.4	3.2	4.1	5.2
Rated pressure drop	kPa	30	45	45	40	47
Max. working pressure	Refrigerant	Bar	44	44	44	44
	Water	Bar	7	7	7	7
Controller	-	Micro processor based digital wire controller with LCD touch screen				
External cabinet	Type	-	Galvanized steel with powder coating			Rotary
	Qty.	-	1	1	1	1
Compressor	Type	-	R32 or R410a			R410a
	Refrigerant	-	R32 or R410a	R410a		
Water heat exchanger	-	SUS 316 Brazed plate heat exchanger				
Fan	-	DC fan motor & plastic fan				
Water pump (optional)	-	DC pump, Wilo or Shinjoo		DC pump, Shinjoo		DC pump, Shinjoo
Expansion tank (optional)	L	5	8	10	10	10
Electric heater (optional)	kW	3 or 6			6	6
Heating element	-	Crankshaft heater & bottom plate heater				
Automatic defrost	-	v				
Wi-Fi function	-	v				
Water connection	Inlet&Outlet	inch	1"	1"	1"	1 1/4"
Noise level	Indoor Unit	dB(A)	52	56	58	59
	Outdoor Unit	dB(A)	52	56	58	59
Net dimension (W*H*H)	Indoor Unit	mm	1160*430*870	1079*550*1273	1079*550*1373	1150*480*1565
	Outdoor Unit	mm	1160*430*870	1079*550*1273	1079*550*1373	1150*480*1565
Net weight	Indoor Unit	kg	101	131	147	159
	Outdoor Unit	kg	101	131	147	159

Notes:  
 1.The values of heating/cooling capacity/power input/COPI(EER) are based on measurement of ISO14511 standard.Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values.  
 2.Sound pressure level measured at distance of 1m from the device.  
 3.If local ambient temperature will be below 0°C in winter, please use an approved antifreeze solution.  
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