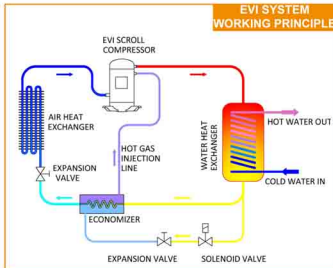


# High Temperature Heat Pump

On-off & Inverter Type



Blueway High Temperature Heat Pump adopts EVI (Enhanced Vapor Injection) scroll compressor and the unit is capable of producing hot water with a maximum temperature up to 80°C, which is ideal for both commercial and industrial applications to kill legionella and some other bacteria. It uses R134A refrigerant, which is not only eco-friendly but reliable and stable especially for the system producing high temperature hot water.



## Features & Highlights



- ◆ EVI Scroll compressor specially designed for high water temperature heat pump
- ◆ Adjustable water temp. setting: 25°C - 80°C
- ◆ Intelligent LCD wired controller
- ◆ Automatic defrosting function included
- ◆ Anti-legionella function on regular intervals
- ◆ Adopt R134a eco-friendly refrigerant is reliable for system producing high water temperature
- ◆ High efficiency tube-in-shell water heat exchanger
- ◆ Inner grooved copper tube for higher efficiency
- ◆ Blue hydrophilic aluminum fins to resist corrosion
- ◆ Back-up heating element for emergency (optional)



## High Temp. Heat Pump (Cycle Heating) 50Hz Technical Specifications

Model		HTHP-055C	HTHP-013C	HTHP-015C	HTHP-020C	HTHP-025C	HTHP-030C	HTHP-040C	HTHP-050C	
Power supply		V/Hz/Ph		380-415/50/3						
A20 / W65 °C	Heating capacity	kWh	13	26	39	52	65	78	104	130
	Power input	kW	4.27	8.52	12.66	17.05	21.24	25.91	34.21	43.05
	Running current	A	7.6	15.2	22.6	30.5	38.0	46.3	61.2	76.9
	COP	-	3.07	3.05	3.08	3.05	3.06	3.01	3.04	3.02
	Heating capacity	kWh	12.71	25.22	37.83	50.44	63.05	75.66	100.88	126.1
A20 / W70 °C	Power input	kW	4.50	8.99	13.35	17.96	22.40	27.32	36.07	45.39
	Running current	A	8.0	16.1	23.9	32.1	40.0	49.8	64.5	81.1
	COP	-	2.82	2.81	2.83	2.81	2.82	2.77	2.80	2.78
	Ambient temp. range	°C	-5~43							
Rated/Max outlet water temp.	°C	75/80								
Rated water flow rate	m³/h	2.25	4.47	6.71	8.94	11.18	13.41	17.88	22.36	
Rated pressure drop	kPa	50	50	50	50	50	50	50	50	
Controller	-	Micro processor based digital wire controller with LCD display								
External cabinet	-	Heavy gauge galvanized steel with powder coating								
Compressor	Type	Scroll								
	Qty	Nos.	1	2	2	2	2	2	4	4
Refrigerant	-	R134a								
Water heat exchanger	-	High Efficiency Tube-in-Sheet								
Water connection	Inlet&Outlet	inch	1-1/4"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	4"
Noise level	dB(A)	56	59	63	69	72	72	72	72	
Net dimension (W*D*H)	mm	85	380	500	570	600	1200	1200	1200	
Net weight	kg	800*760*975	1470*840*950	1470*840*950	2000*950*2000	2000*950*2100	2000*1100*2050	2600*1100*1960	2600*1100*1960	

Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.

## High Temp. Heat Pump (Cycle Heating) 60Hz Technical Specifications

Model		HTHP-055C	HTHP-013C	HTHP-015C	HTHP-020C	HTHP-025C	HTHP-030C	HTHP-040C	HTHP-050C	
Power supply		V/Hz/Ph		380-415/60/3						
A20 / W65 °C	Heating capacity	kWh	15.70	31.20	46.00	62.00	78.00	90.00	120.00	150.00
	Power input	kW	5.11	10.23	14.94	20.33	25.49	29.90	39.47	49.67
	Running current	A	9.1	18.3	26.7	36.3	45.6	53.4	70.6	88.8
	COP	-	3.07	3.05	3.08	3.05	3.06	3.01	3.04	3.02
	Heating capacity	kWh	15.23	30.26	44.62	60.14	75.66	87.30	116.40	145.50
A20 / W70 °C	Power input	kW	5.39	10.79	15.75	21.43	26.88	31.53	41.62	52.37
	Running current	A	9.6	19.3	28.1	38.3	48.0	56.4	74.4	93.6
	COP	-	2.82	2.81	2.83	2.81	2.82	2.77	2.80	2.78
	Ambient temp. range	°C	-5~43							
Rated/Max outlet water temp.	°C	75/80								
Rated water flow rate	m³/h	2.70	5.37	7.91	10.66	13.41	15.48	20.64	25.80	
Rated pressure drop	kPa	50	50	50	50	50	50	50	50	
Controller	-	Micro processor based digital wire controller with LCD display								
External cabinet	-	Heavy gauge galvanized steel with powder coating								
Compressor	Type	Scroll								
	Qty	Nos.	1	2	2	2	2	2	4	4
Refrigerant	-	R134a								
Water heat exchanger	-	High Efficiency Tube-in-Sheet								
Water connection	Inlet&Outlet	inch	1-1/4"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	4"
Noise level	dB(A)	56	59	63	69	72	72	72	72	
Net dimension (W*D*H)	mm	85	380	500	570	600	1200	1200	1200	
Net weight	kg	800*760*975	1470*840*950	1470*840*950	2000*950*2000	2000*950*2100	2000*1100*2050	2600*1100*1960	2600*1100*1960	

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