

Commercial Hot Water Heat Pump

Cycle Heating & Direct Heating Type



Blueway Commercial Hot Water Heat Pump is designed to offer hot water for commercial and (or) industrial application. In order to achieve the required water temperature, large heat pump units apply unique "V" style evaporator design, which enlarges the heat exchange surface and increases efficiency.

Features & Highlights



- ◆ World famous scroll compressor for reliability and superior performance
- ◆ High efficiency eco-friendly refrigerant, without ozone depletion
- ◆ Intelligent control: micro processor based digital controller with LCD display
- ◆ Water heat exchanger: tube-in-shell for cycle type, tube-in-tube for direct type
- ◆ Heavy gauge galvanized steel cabinet with epoxy powder coating, weather resistant for long lasting outdoor life span
- ◆ Adjustable water temperature setting: 25°C -60°C

Options:

- ◆ Circulating Heating / Instant Heating
- ◆ Electrical boosting element



Commercial Heat Pump (Circulating)

Technical Specifications

Model	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	CHW-081C	
HP	5	6	7	10	12	15	18	20	25	30	40	50		
Power supply	V/Hz/Ph 380-415/50/3													
Heating Performance	Heating capacity	kWh	18	21	24.6	36.0	42	49	60	74	90	100	148	180
	Power input	kW	4.30	4.90	5.65	8.60	9.80	11.80	14.30	17.40	21.00	23.70	35.00	42.00
	Running current	A	7.7	8.8	10.5	15.4	17.6	21.1	25.6	31.1	37.5	42.4	62.6	79.1
	COP	-	4.23	4.29	4.21	4.19	4.29	4.15	4.20	4.25	4.29	4.22	4.23	4.29
Hot water Production: 15/55°C	L/h	391	451	529	774	903	1053	1290	1591	1905	2150	3181	3869	
Ambient temp. range	°C	-10~43												
Rated/Max outlet water temp.	°C	55/60												
Rated water flow rate	m³/h	3.13	3.61	4.23	6.19	7.22	8.43	10.32	12.73	15.48	17.20	25.45	30.95	
Rated pressure drop	kPa	50	50	50	50	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	No.	1	1	1	2	2	2	2	2	2	4	4	4
	Refrigerant	-	R22/R407c/R417a											
Water heat exchanger	-	High efficiency tube-in-shell												
Water connection	Inlet/Outlet	inch	1"	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	3"	3"
Noise level	dB(A)	56	56	57	59	59	63	69	69	71	72	73	74	
Net dimension	W	mm	740	740	740	1470	1470	2000	2000	2000	2000	2000	2000	
	D	mm	740	740	740	840	840	840	950	950	950	1100	1900	
	H	mm	835	835	835	950	950	950	2000	2000	2100	2050	2000	
Net weight	kg	130	135	140	230	235	253	350	350	400	740	1075	1180	

The above data is based on the following testing condition: ambient temp.(DB/WB) = 20°/15°℃, inlet/outlet water temp. = 15°/55°℃. Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.

Commercial Heat Pump (Instant)

Technical Specifications

Model	CHW-055I	CHW-010I	CHW-013I	CHW-015I	CHW-020I	CHW-025I	CHW-030I	CHW-040I	CHW-050I	
Power supply	V/Hz/Ph 380-415/50/3									
Heating Performance	Heating capacity	kWh	19	37.5	45	55	75	90	110	150
	Power input	kW	4.34	8.43	10.20	12.22	17.24	19.87	24.61	33.28
	Running current	A	7.8	15.1	18.2	21.8	30.8	35.5	44.0	59.5
	COP	-	4.36	4.45	4.41	4.50	4.35	4.53	4.47	4.51
	Hot water Production: 15/55°C	L/h	408	808	967	1160	1612	1935	2365	3224
Ambient temp. range	°C	-10~43								
Rated/Max outlet water temp.	°C	55/60								
Rated water flow rate	m³/h	3.27	6.45	7.74	9.46	12.90	15.48	18.92	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	No.	1	1	1	1	2	2	3	4
	Refrigerant	-	R22/R407c/R417a							
Water heat exchanger	-	High efficiency tube-in-tube								
Water connection	Inlet/Outlet	inch	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"	2-1/2"	3"	
Noise level	dB(A)	56	59	59	63	69	72	72	72	
Net dimension	W	mm	800*780*975	1470*840*950	1470*840*950	1470*840*950	2000*950*2000	2000*950*2100	2000*1900*2050	
	D	mm	800	840	840	840	950	950	1100	
	H	mm	130	380	380	380	500	570	600	
Net weight	kg	130	380	380	380	500	570	600	1140	

The above data is based on the following testing condition: ambient temp.(DB/WB) = 20°/15°℃, inlet/outlet water temp. = 15°/55°℃. Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.

