

Boro

chi

Heat Pump



BWP-8 | BWP-10 | BWP-16

-  Environmentally Friendly Refrigerant R290
-  High Flow Temperature Up to 75°C
-  Whisper-Quiet Operation
-  Compliant with EnWG § 14a

Model		BWP-8	BWP-10	BWP-16
Heating Mode				
Ambient Temperature: DB7°C/WB6°C Water Inlet/Outlet: 30/35°C	Heating Capacity [kW]	8.3	10	15.9
	Power Consumption [kW]	1.65	2.1	3.5
	COP	5.0	4.8	4.5
Ambient Temperature: DB2°C/WB1°C Water Inlet/Outlet: 30/35°C	Heating Capacity [kW]	8	9.6	15.5
	Power Consumption [kW]	2.1	2.6	4.4
	COP	3.8	3.7	3.5
Ambient Temperature: DB-7°C/WB-8°C Water Inlet/Outlet: 30/35°C	Heating Capacity [kW]	7.8	9.4	15
	Power Consumption [kW]	2.5	3.1	5
	COP	3.1	3	3
Ambient Temperature: DB-10°C/WB-11°C Water Inlet/Outlet: 30/35°C	Heating Capacity [kW]	7.6	9	15
	Power Consumption [kW]	2.7	3.3	5.3
	COP	2.8	2.7	2.8
Ambient Temperature: DB7°C/WB6°C Water Inlet/Outlet: 50/55°C	Heating Capacity [kW]	7.8	9.5	15
	Power Consumption [kW]	2.5	3.1	5
	COP	3.1	3.1	3
Cooling Mode				
Ambient Temperature: DB35°C/WB24°C Water Inlet/Outlet: 12/7°C	Cooling Capacity [kW]	6.7	7.4	13.5
	Power Consumption [kW]	2.1	2.5	5
	EER	3.2	3	2.7
Ambient Temperature: DB35°C/WB24°C Water Inlet/Outlet: 23/18°C	Cooling Capacity [kW]	8	9	15
	Power Consumption [kW]	2.2	2.5	4.2
	EER	3.7	3.6	3.6
Efficiency				
Energy Efficiency Class	EN14825, W35°C	A+++		
	EN14825, W55°C	A+++		
SCOP	EN14825, W35°C	4.87	4.85	4.81
	EN14825, W55°C	3.83	3.68	3.83
SEER	EN14825, W7°C	4.3	4.4	4.4
	EN14825, W18°C	4.6	4.7	4.5
General Data				
Refrigeration Cycle	Refrigerant Type	R290		
	Refrigerant Content [kg]	0.89	0.89	1
	ODP	0		
	GWP	3		
	CO2 Equivalent [kg]	2.67	2.67	3
	Max. Pressure of the Refrigerant System [MPa]	3		
	Min. Pressure of the Refrigerant System [MPa]	0.1		
Fan	Compressor Type	Inverter / Rotation		
	Quantity [Pcs]	1	1	2
	Airflow [CMH]	2900	3000	5500
	Rated Power [W]	60	65	90
Water Side Heat Exchange	Type	Plate Heat Exchanger		
	Water Pressure Drop [kPa]	18	18	20
	Connection Inlet/Outlet [mm]	DN25	DN25	DN32
	Rated Power of the Circulation Pump [W]	25	28	40
	Water Flow [L/s]	0.38	0.48	0.72
Basic Functions		Heating / Cooling / Domestic Hot Water Production		
Additional Functions		SG-Ready / WIFI / APP		
Rated Voltage [Ph/V/Hz]		1-phase/220~240/50	1-phase/220~240/50	3-phase/380~415/50
Maximum Starting Current [A]		25	28	38
Overcurrent Protection [A]		20		
Ingress Protection (IP) Rating		IPX4		
Workable Ambient Temperature Range [°C]		-20~45		
Power of the Auxiliary Electric Heating [kW]		3	3	6
Maximum Water Outlet Temperature [°C]		75		
Sound Pressure Level, EN 12102-A7/W55 bei 1 m [dB(A)]		46	46	55
Sound Power Level, EN 12102-A7/W55 [dB(A)]		59	59	68
Sound Power Level, Silent Mode		48	48	57
Net Dimension (W×H×D) [mm]		1100 × 1025 × 400	1100 × 1025 × 400	1100 × 1575 × 400
Net Weight [kg]		120	120	170
Warranty		5 Years		
Certification		EN 60335-1:2012/A16:2023; EN IEC 60335-2-40:2023/A11:2023; EN 62233:2008; EN IEC 55014-1/2:2021; EN IEC 61000-3-11:2019; EN 61000-3-12:2011; EN 14511-1/2/3/4:2022; EN 14825:2022; EN 12102-1:2022		

* The technical specifications may be changed without prior notice due to product improvements.

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