



Heat Pump

The Borochi heat pump provides reliable heating, cooling, and domestic hot water with high efficiency. Designed for both new buildings and renovation projects, it supports a wide range of installation scenarios.

Using natural refrigerant R290 and intelligent control logic, the heat pump integrates seamlessly into the Borochi energy ecosystem.

Model		BOR008HP (BEHR0080NNSP01)	BOR010HP (BEHR0100NNSP01)	BOR016HP (BEHR0160NNSP01)
Heating Mode				
Ambient Temperature: DB7°C/WB6°C	Heating Capacity [kW]	8.3	10	15.5
Water Temperature Inlet/Outlet: 30/35°C	Power Consumption [kW]	1.65	2.1	3.2
	COP	5.0	4.8	4.8
Ambient Temperature: DB2°C/WB1°C	Heating Capacity [kW]	8	9.6	15.5
Water Temperature Inlet/Outlet: 30/35°C	Power Consumption [kW]	2.1	2.6	4.3
	COP	3.8	3.7	3.6
Ambient Temperature: DB-7°C/WB-8°C	Heating Capacity [kW]	7.8	9.4	15
Water Temperature Inlet/Outlet: 30/35°C	Power Consumption [kW]	2.5	3.1	5
	COP	3.1	3	3
Ambient Temperature: DB-10°C/WB-11°C	Heating Capacity [kW]	7.6	9	15
Water Temperature Inlet/Outlet: 30/35°C	Power Consumption [kW]	2.7	3.3	5.6
	COP	2.8	2.7	2.7
Ambient Temperature: DB7°C/WB6°C	Heating Capacity [kW]	7.8	9.5	15
Water Temperature Inlet/Outlet: 50/55°C	Power Consumption [kW]	2.5	3.1	5.1
	COP	3.1	3.1	2.9
Cooling Mode				
Ambient Temperature: DB35°C/WB24°C	Cooling Capacity [kW]	6.7	7.4	13.5
Water Temperature Inlet/Outlet: 12/7°C	Power Consumption [kW]	2.1	2.5	5
	EER	3.2	3	2.7
Ambient Temperature: DB35°C/WB24°C	Cooling Capacity [kW]	8	9	15
Water Temperature Inlet/Outlet: 23/18°C	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	4.71
	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	1.25
	ODP	0		
	GWP	3		
	CO ₂ 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	Rotary Compressor (Inverter)		
	Quantity	1	1	2
	Fan Airflow [CMH]	2900	3000	6500
	Rated Power [W]	60	65	100
Water Side Heat Exchange	Type	Plate Heat Exchanger		
	Water Pressure Drop [kPa]	18	18	20
	Connections (flow/return) [mm]	DN25	DN25	DN32
	Rated Power of the Circulation Pump [W]	25	28	40
	Water Flow [L/s]	0.38	0.48	0.75
Basic Functions		Heating / Cooling / Domestic Hot Water (DHW)		
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		
Operating Ambient Temperature Range [°C]		-20 to +45		
Power of the Auxiliary Electric Heating [kW]		3		
Maximum Water Outlet Temperature [°C]		75		
Sound Pressure Level, EN 12102-A7/W55 (3m) [dB(A)]		46	46	55
Sound Power Level, EN 12102-A7/W55 [dB(A)]		59	59	68
Sound Power Level, Silent Mode [dB(A)]		48	48	57
Net Dimensions (W×H×D) [mm]		1100 × 1025 × 400	1100 × 1025 × 400	1100 × 1575 × 400
Net Weight [kg]		120	120	170
Warranty		5 Years		
Certification		EN IEC 60335-2-40; EN 60335-1; EN 62233; EN IEC 55014-1; EN IEC 55014-2; EN 61000-3-11; EN IEC 61000-3-12; EN 12102-1; EN 14511; EN 14825; CE; RoHS		