



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 Water Temperature Inlet/Outlet: 30/35°C	Heating Capacity [kW]	8.3	10	15.5
	Power Consumption [kW]	1.65	2.1	3.2
	COP	5.0	4.8	4.8
Ambient Temperature: DB2°C/WB1°C Water Temperature Inlet/Outlet: 30/35°C	Heating Capacity [kW]	8	9.6	15.5
	Power Consumption [kW]	2.1	2.6	4.3
	COP	3.8	3.7	3.6
Ambient Temperature: DB-7°C/WB-8°C Water Temperature 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 Temperature Inlet/Outlet: 30/35°C	Heating Capacity [kW]	7.6	9	15
	Power Consumption [kW]	2.7	3.3	5.6
	COP	2.8	2.7	2.7
Ambient Temperature: DB7°C/WB6°C Water Temperature Inlet/Outlet: 50/55°C	Heating Capacity [kW]	7.8	9.5	15
	Power Consumption [kW]	2.5	3.1	5.1
	COP	3.1	3.1	2.9
Cooling Mode				
Ambient Temperature: DB35°C/WB24°C Water Temperature 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 Temperature 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	4.71
	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
Water Side Heat Exchange	Rated Power [W]	60	65	100
	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
Basic Functions Additional Functions Rated Voltage [Ph/V/Hz] Maximum Starting Current [A] Overcurrent Protection [A] Ingress Protection (IP) Rating Operating Ambient Temperature Range [°C] Power of the Auxiliary Electric Heating [kW] Maximum Water Outlet Temperature [°C] Sound Pressure Level, EN 12102-A7/W55 (3m) [dB(A)] Sound Power Level, EN 12102-A7/W55 [dB(A)] Sound Power Level, Silent Mode [dB(A)] Net Dimensions (W×H×D) [mm] Net Weight [kg] Warranty Certification	Water Flow [L/s]	0.38	0.48	0.75
	Heating / Cooling / Domestic Hot Water (DHW)			
	SG-Ready / WiFi / App			
	1-phase / 220-240 / 50	1-phase / 220-240 / 50	3-phase / 380-415 / 50	
	25	28	38	
	20			
	IPX4			
	-20 to +45			
	3			
	75			
	46	46	55	
	59	59	68	
	48	48	57	
	1100 × 1025 × 400	1100 × 1025 × 400	1100 × 1575 × 400	
	120	120	170	
5 Years*				
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				

* 2-year standard warranty. Extendable to 5 years through online activation.