

Heat pump equipment selection table

BLAUPUNKT								
Model	BLP08P1V1M	BLP10P3V1M	BLP10P3V1S	BLP13P3V1M	BLP17P3V1M	BLP17P3V1S	BLP19P3V1M	BLP19P3V1S
Does it have a water pump	NO	NO	YES	NO	NO	YES	NO	YES
Recommended Hydrobox	BLP MV 01.P 1F BLP MNA 01.P 1F	BLP MV 01.P 3F BLP MNA 01.P 3F	BLP MV 01.N 3F BLP MNA 01.N 3F	BLP MV 02.P 3F BLP MNA 02.P 3F	BLP MV 02.P 3F BLP MNA 02.P 3F	BLP MV 02.N 3F BLP MNA 02.N 3F	BLP MV 02.P 3F BLP MNA 02.P 3F	BLP MV 02.N 3F BLP MNA 02.N 3F
Recommended power of electric heater CH [kW]	3	6	6	6	6	6	6	6
Recommended number of conductors and conductor cross-section [mm ²]	5X4	5X4	5X4	5X4	5X4	5X4	5X4	5X4
Recommended device protection / type	B25 [A] 1P	B16 [A] 3P	B16 [A] 3P	B16 [A] 3P	B16 [A] 3P	B16 [A] 3P	B20 [A] 3P	B20 [A] 3P
Recommended minimum flow rates [m ³ /h].	≥ 0,9	≥ 1,1	≥ 1,1	≥ 1,4	≥ 1,9	≥ 1,9	≥ 2,1	≥ 2,1
Recommended CH buffer size	100	200	200	200	300	300	300	300
Recommended DHW tank size	160/200	200	200	300	400	400	400	400
Minimum diameter of CH buffer connections	1"	5/4"/1"***	5/4"/1"***	5/4"	5/4"	5/4"	5/4"	5/4"
Minimum diameter of DHW connections	1"	1"	1"	5/4"	5/4"	5/4"	5/4"	5/4"
Min. recommended surface of DHW tank coil [m ²]	1,6	2	2	2,6	3,6	3,6	4	4
Outer diameter of PP/CU pipe [mm]	32/28	40/28	40/28	40/35	40/35	40/35	40/35	40/35
Magnetic separator	Required	Required	Required	Required	Required	Required	Required	Required
Mesh filter	Required	Required	Required	Required	Required	Required	Required	Required
Circulation pump on the return side of the heat pump unit	Required	Required	Not required	Required	Required	Not required	Required	Not required
Protection against freezing	Anti-freeze valves / glycol in the CH* system	Anti-freeze valves / glycol in the CH* system	Anti-freeze valves / glycol in the CH* system	Anti-freeze valves / glycol in the CH* system	Anti-freeze valves / glycol in the CH* system	Anti-freeze valves / glycol in the CH* system	Anti-freeze valves / glycol in the CH* system	Anti-freeze valves / glycol in the CH* system
Lagging of outgoing pipes	Rubber lagging min. 19 mm	Rubber lagging min. 19 mm	Rubber lagging min. 19 mm	Rubber lagging min. 19 mm	Rubber lagging min. 19 mm	Rubber lagging min. 19 mm	Rubber lagging min. 19 mm	Rubber lagging min. 19 mm
Minimum distance when installing the outdoor unit (from the ground / from the wall / from the sides / from the front)	30 cm / 50 cm / 50 cm / 200 cm	30 cm / 50 cm / 50 cm / 200 cm	30 cm / 50 cm / 50 cm / 200 cm	30 cm / 50 cm / 50 cm / 200 cm	30 cm / 50 cm / 50 cm / 200 cm	30 cm / 50 cm / 50 cm / 200 cm	30 cm / 50 cm / 50 cm / 200 cm	30 cm / 50 cm / 50 cm / 200 cm

* Required selection of a suitable exchanger for CH system operation on glycol.

**PP 5/4" / CU 1"