



BITZER Output data

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Project survey

Selected compressors

Water-cooled Condensers

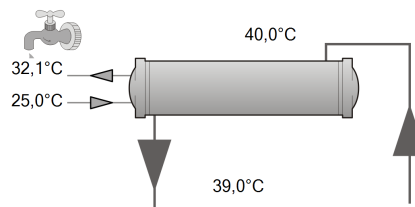
1x K573HB



Selection: Water-cooled Condensers

Input Values

Condenser type	K573HB
Passes no.	2
Series	Sea water resistant
Refrigerant	R134a
Cooling agent	Water
Condensing temperature	40,0 °C
Water inlet temp.	25,0 °C
Volume flow	10,00 m³/h
Liq. subc. (in condenser)	1,00 K
Fouling factor	0,000040 m²K/W



K573HB (100%)

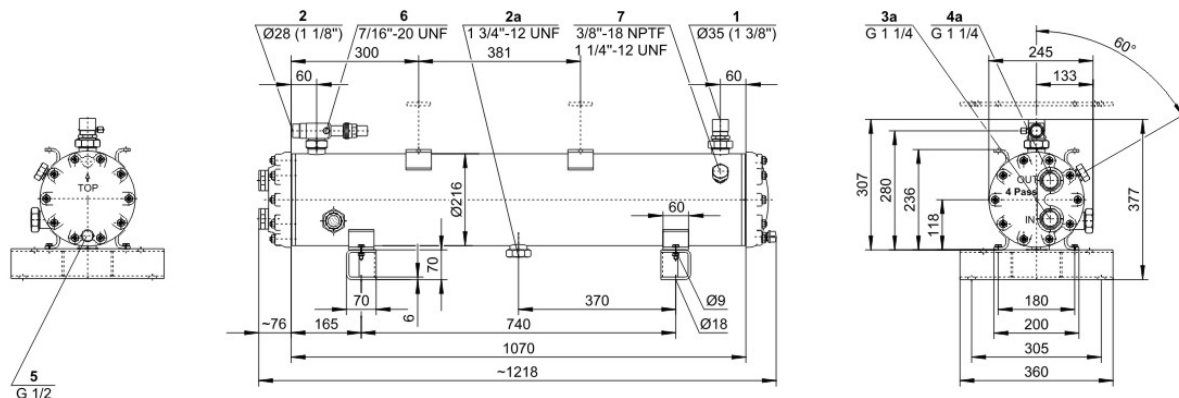
Result

Condenser type	K573HB
Passes no.	2
Condenser capacity	81,6 kW
Allowed max. capacity	107,3 kW
Condensing SDT	40,0 °C
Water outlet temp.	32,1 °C
Volume flow	10,00 m³/h
Vol.flow min.	3,67 m³/h
Vol.flow max.	18,34 m³/h
Fluid velocity	1,36 m/s
Pressure drop	0,11 bar



Technical Data: K573HB

Dimensions and Connections



Technical Data

Technical Data

Weight	63 kg
Total width	1213 mm
Total height	377 mm
Jacket tube diameter	216 mm
Refrigerant inlet	35 mm - 1 3/8"
Refrigerant outlet	28 mm - 1 1/8"
Alternative refrigerant outlet	1 3/4" - 12 UNF
Coolant inlet (2 passes)	2"
Coolant outlet (2 passes)	2"
Coolant inlet (4 passes)	1 1/4"
Coolant outlet (4 passes)	1 1/4"
Receiver volume refrigerant	29,4 dm ³
Max. refrigerant charge 90% at 20°C / 68°F	
R22	32,0 kg
R134a	32,4 kg
R407C	30,7 kg
R404A/R507A	28,3 kg
Max. pressure	33 bar
Max. Operating Temperature	120°C
Max pressure coolant side	10 bar
Larger outlet connection	35 mm - 1 3/8"

Available Options

Adapter for pressure relief valve	Option
2 fixing rails (above)	Option
2 fixing rails (below)	Standard



Water-cooled Condensers

Legend of connection positions according to "Dimensions":

- 1 Refrigerant or oil inlet
- 2 Refrigerant or oil outlet
- 2a Alternative refrigerant outlet (only for sea water version)
- 3 Coolant inlet
- 3a 4 or 6 pass
- 3b 2 or 3 pass
- 4 Coolant outlet
- 4a 4 or 6 pass
- 4b 2 or 3 pass
- 5 Coolant drain
- 6 Connection for pressure gauge
- 7 Connection for pressure relief valve Internal thread 3/8-18 NPTF, external thread 1 1/4-12 UNF
- 8 Sight glass
- 9 Oil drain
- 10 Vent plug
- 11 Fixing rail, bottom
- 12 Fixing rail, top

Dimensions (if specified) may have tolerances according to EN ISO 13920-B.

The legend applies to all BITZER shell and tube condensers, discharge gas desuperheaters and oil coolers and includes connection positions that do not exist in every series.