



BWC - Water Cooled Condenser



bluecold

A Shell & Tube Heat Exchanger Consists of a Shell with Traditional plain tubes or enhanced surface tubes for high thermal performance.

Our condenser production includes a various range of condensers providing easy solutions for Refrigeration and Cooling application.

Advantages of Blue Cold Water-Cooled Condensers

- Carefully optimized for the most used HCFC / HFC refrigerants.
- All condenser models are easily openable for inspection and maintenance purposes.
- Standard models attain condensation capacity ranging from 3 to 900 kW.
- Available in 2 / 3 / 4 circuits
- Customized length with different MOC can be designed for specific application as per request.

Efficient Component Design

Major components used for fresh water cooled condensers:

Shell : Carbon Steel

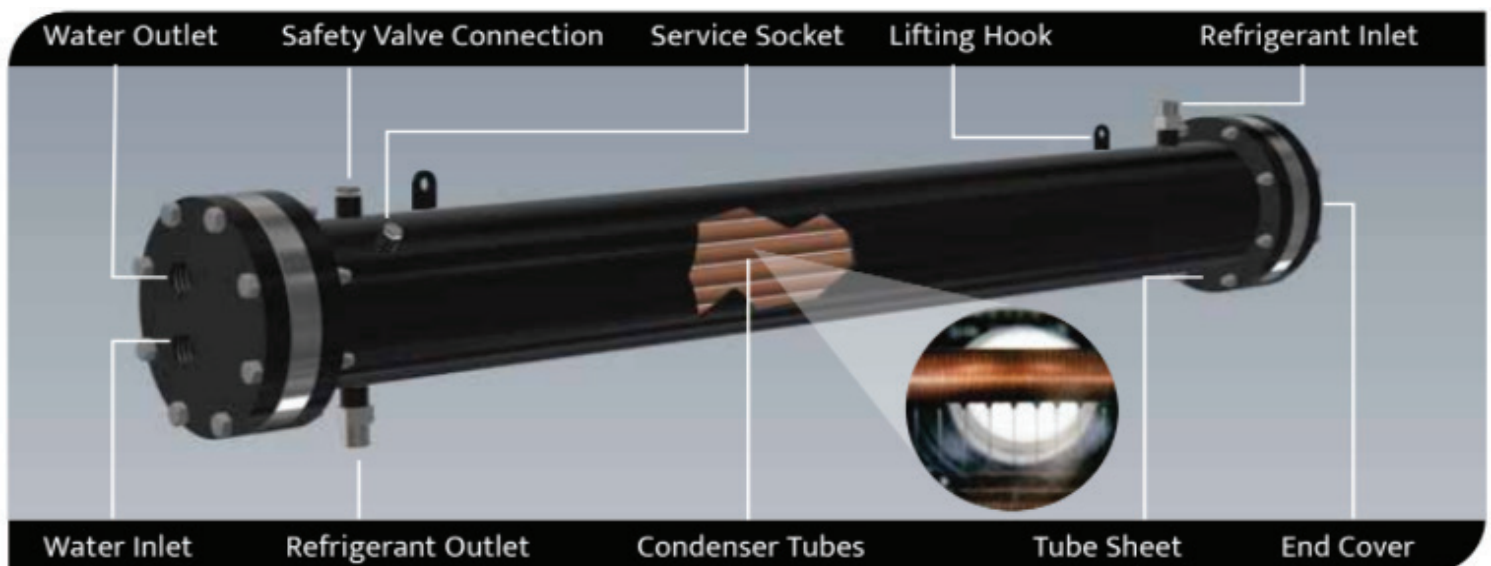
Tube Sheet : Carbon Steel

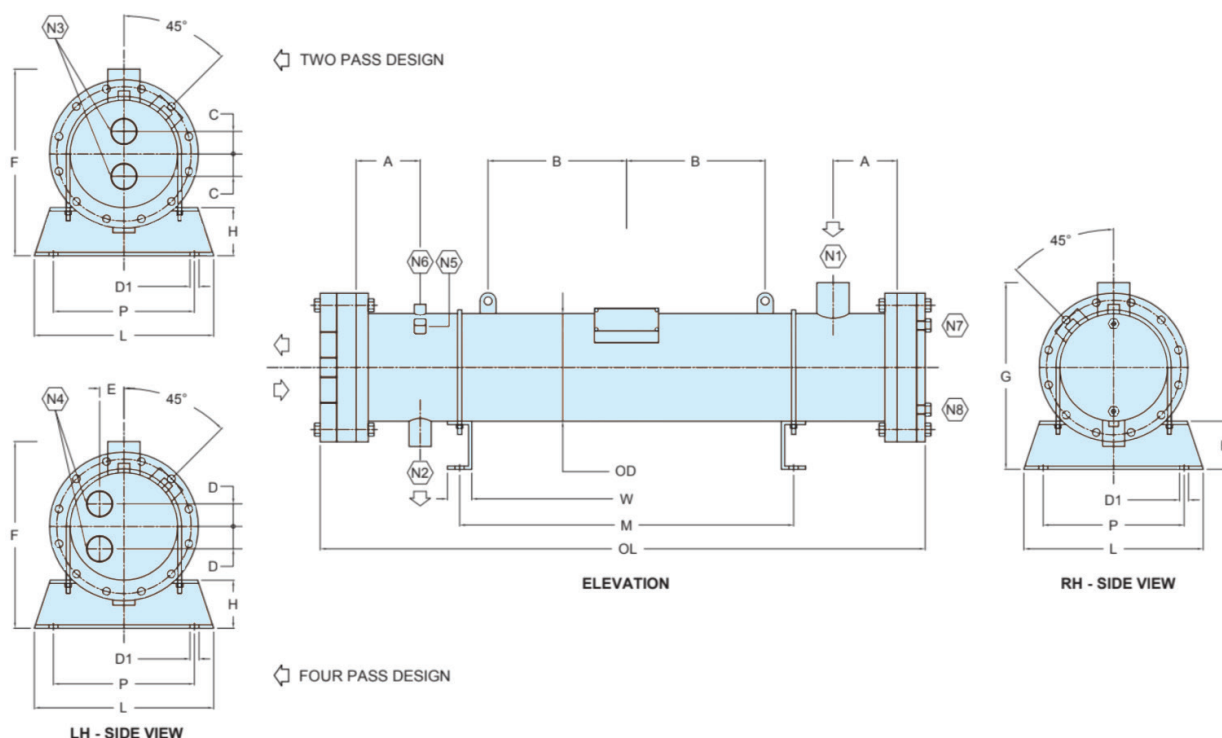
Tubes : Copper

End Covers : Carbon Steel

Gasket : Thermopolymer Compound

Hardware : High Tensile Graded Alloy Steel





5 Inch Diameter

Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 08 / BWC K073	2.7	9.6	7.4	1.1	800	1.1	42
BWC - 12 / BWC K123	4.2	14.9	6.8	1.7	800	1.6	44
BWC - 15	5.2	18.4	6.5	2.1	800	1.9	45

*Cooling Capacity is selected with R404A/ 32 / 36 / 40)

6 Inch Diameter

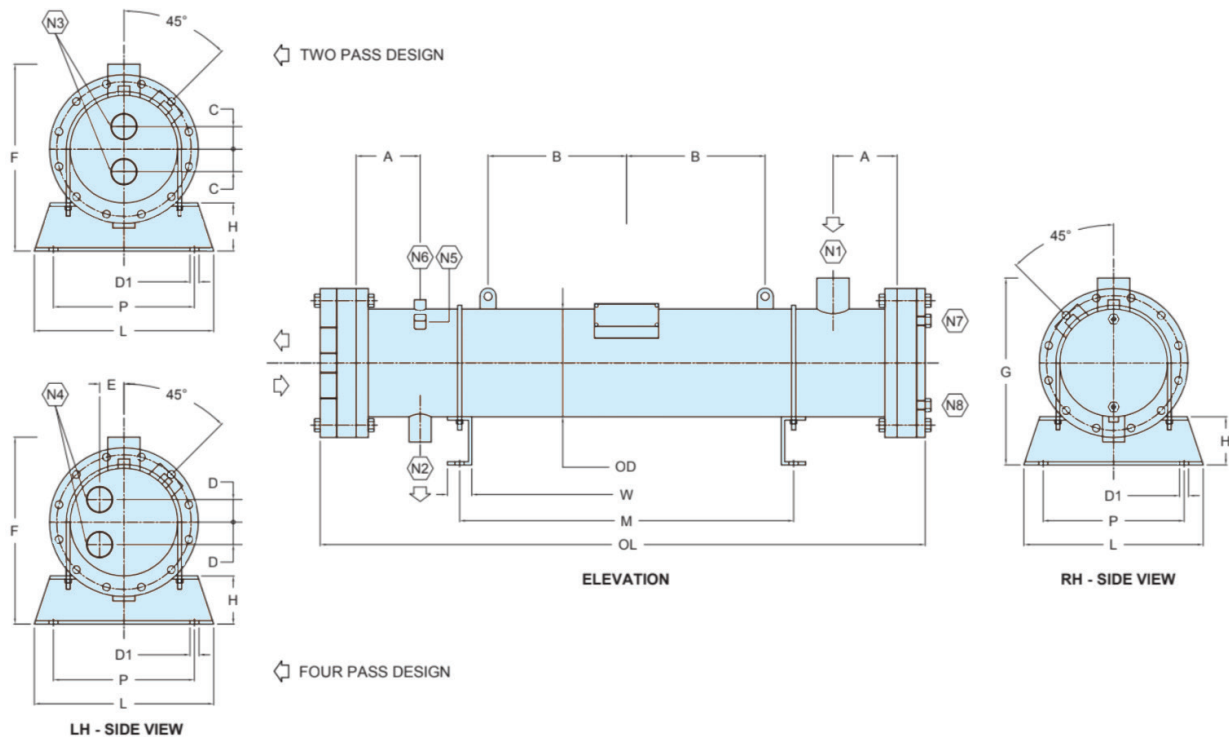
Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 35	5.7	20.1	10.3	2.3	800	2.1	51
BWC - 45 / BWC K203	6.5	22.8	10	2.6	800	2.4	52
BWC - 60 / BWC K283	8.7	30.6	9.1	3.5	800	3.2	53
BWC - 80	10.2	35.9	8.5	4.1	800	3.7	55
BWC - 100 / BWC K373	13.2	46.4	21.1	5.3	1500	4.8	70
BWC - 120	17.6	62.1	19.3	7.1	1500	6.4	75
BWC - 145	19.1	67.4	18.7	7.7	1500	6.9	77
BWC - 160 / BWC 573	20.6	72.6	18.1	8.3	1500	7.4	79

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8 Inch Diameter

Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 180 / BWC 813	25.1	88.4	36.2	10.1	1500	9.0	103
BWC - 210	28.1	98.9	35	11.3	1500	10.1	106
BWC - 235	31.1	109.4	33.8	12.5	1500	11.2	109
BWC - 260 / BWC K1053	35.3	124.3	32	14.2	1500	12.8	114

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10 Inch Diameter

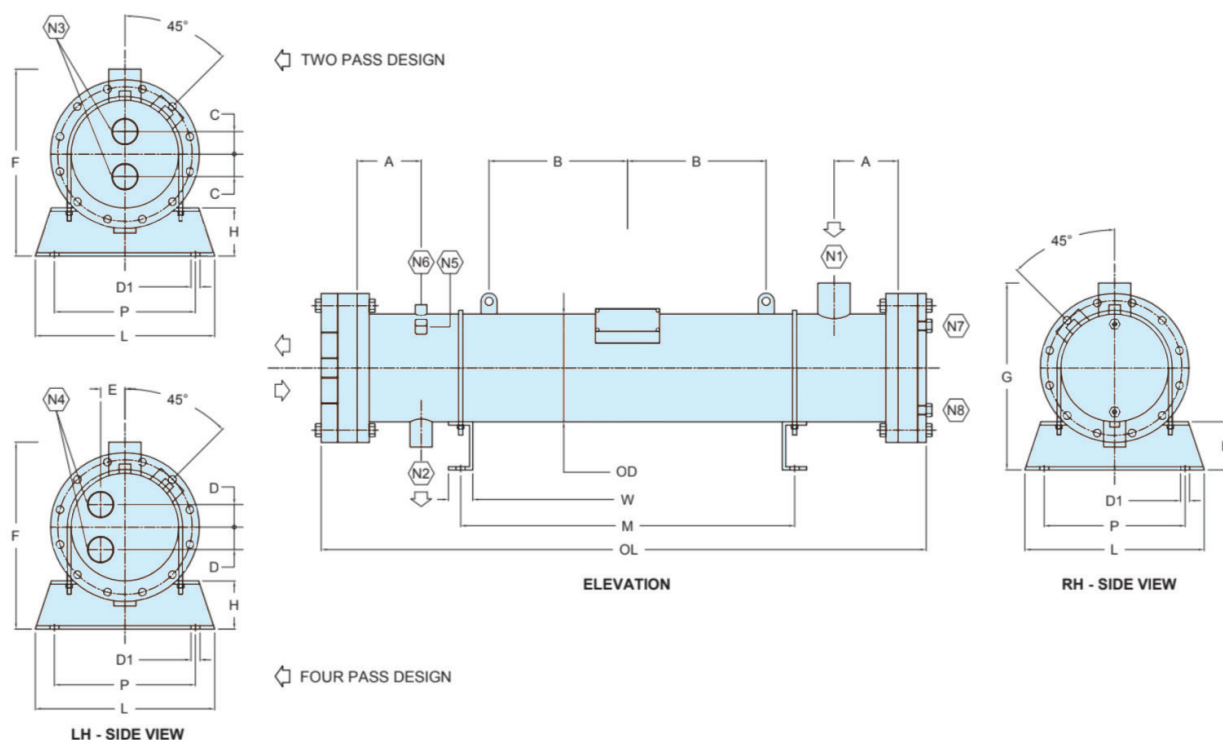
Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 285	41.5	146.1	55.6	16.7	1500	14.9	161
BWC - 335 / BWC K1353	47.5	167.1	53.2	19.1	1500	17.0	168
BWC - 390	53.2	187.3	50.8	21.4	1500	19.2	174
BWC - 440	56.2	197.8	49.6	22.6	1500	20.2	177
BWC - 520	59.2	208.3	58.4	23.8	1500	21.3	180
BWC - 390 W / BWC 1973	68.6	241.5	66.1	27.6	1900	24.6	189
BWC - 520 W	76.1	267.8	63	30.6	1900	27.4	195
BWC - 390 X	91.2	321.1	89	36.7	2500	32.8	210
BWC - 520 X	101.4	357.0	85	40.8	2500	36.5	215

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12 Inch Diameter

Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 470 W	96.9	341.3	94.8	39	1970	34.9	307
BWC - 530 W	102.7	361.4	92.5	41.3	1970	36.9	315
BWC - 550 W	117.8	414.8	86.5	47.4	1970	42.4	330
BWC - 470 X	129.3	455.0	127.7	52	2570	46.5	335
BWC - 530 X	137.0	482.1	124.6	55.1	2570	49.2	345
BWC - 550 X	157.4	553.9	116.5	63.3	2570	56.5	365

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16 Inch Diameter

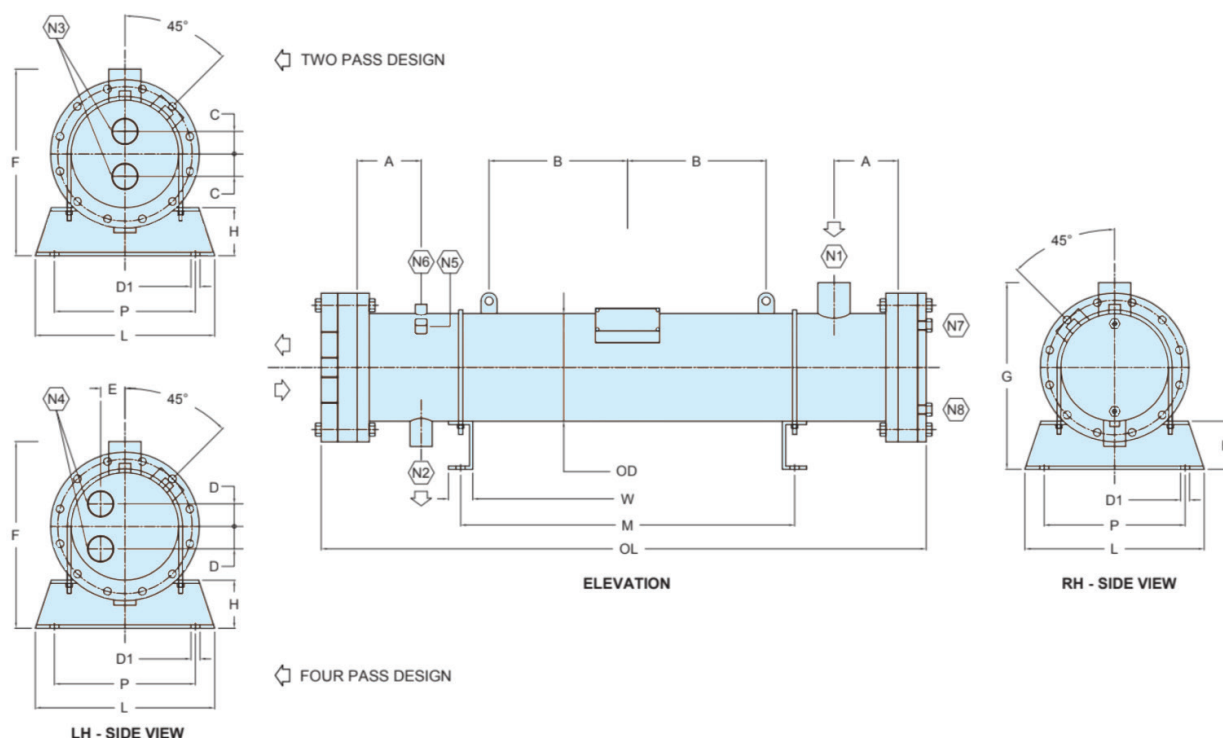
Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 610 X	177.5	624.8	208.2	71.4	2570	63.8	525
BWC - 680 X	195.4	687.8	201.1	78.6	2570	70.2	540
BWC - 760 X	220.7	777.0	190.9	88.8	2570	79.3	565
BWC - 840 X	230.9	812.9	186.8	92.9	2570	83.0	575

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18 Inch Diameter

Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 900 X	253.8	893.4	257.1	102.1	2570	91.2	665
BWC - 900 Y	285.4	1004.5	290.4	114.8	2870	102.6	715
BWC - 940 X	309.5	1089.4	234.6	124.5	2570	111.3	710
BWC - 940 Y	348.0	1225.0	265.1	140	2870	125.2	760

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20 Inch Diameter

Model No.	Cooling Capacity (TR)	Cooling Capacity (KW)	Vol. Ref (dm3)	Vol. Coolant (dm3)	OL (inch)	HT Area (Sq. mtr)	Weight (Kg)
BWC - 960 Y	399.5	1406.1	333.2	160.7	2870	106.7	925
BWC - 960 Z	444.0	1562.8	371.5	178.6	3170	159.6	990
BWC - 980 Y	450.9	1587.3	312.6	181.4	2870	162.1	980
BWC - 980 Z	501.1	1764.0	348.5	201.6	3170	180.1	1050

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