Shell &Tube Condensers

BC Type Condencers

SHELL & TUBE HEAT EXCHANGERS PRODUCT CATALOGUE

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Shell &Tube Condensers

BC Type Condencers

Ekin BC type condensers have basic capacity and geometry options up to 1800 kW. Suitable refrigerants are all HFCs and HCFCs.

With its special production BCM models that can be used in sea water, it makes its weight in the maritime sector. Connection type (flanged, threaded, welded, etc.) and diameters can be changed.

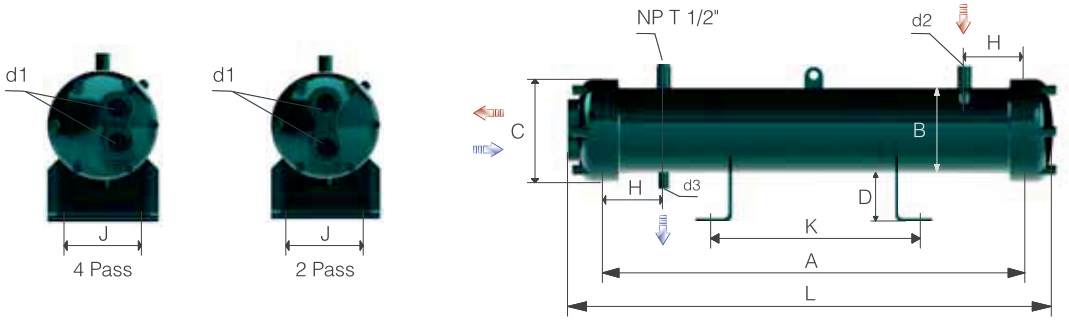
Please contact us for special order products out of catalog.

Usage Areas of Tubular Condensers

- Heating Pumps
- Cooling Groups
- Ice Machines
- Maritime Industry

BC Series Condensers

			20	35	45	55	65	65C	75C	90C	60	90
Capacity	Q_w	kW	22	33	42	51	58	65	79	94	60	81
		Tons (RT)	6,3	9,4	12,0	14,5	16,5	18,5	22,5	26,8	17,1	23,1
Mass Flow Rate	WN	m^3/h	3,5	6,1	7,8	9,5	11,2	10,4	12,9	15,6	11	15,6
Pressure Drop	Δp	kPa	16	29	30	33	31	57	65	73	19	22
Pass			4	4	4	4	4	4	4	4	2	2
Refrigerant Fluid Volume	L		6,3	5,6	9	8,2	7,5	13,2	12,1	11	20,3	18,8
Water Volume	L		3,5	4,1	4,8	5,5	6,2	6,3	7,3	8,2	7,0	8,4

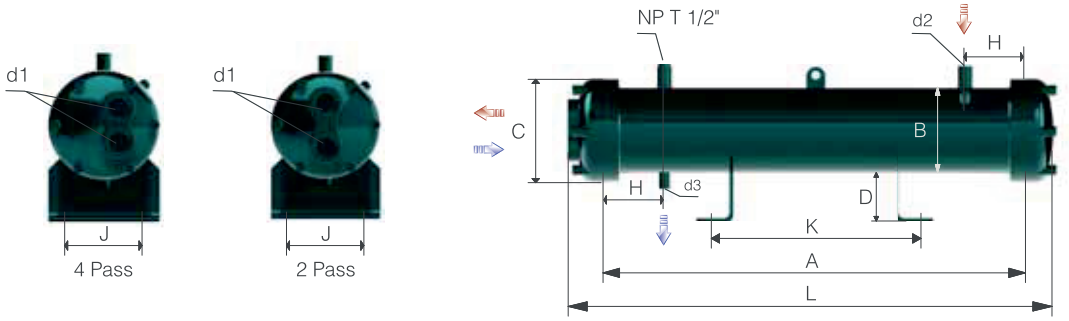


		20	35	45	55	65	65C	75C	90C	60	90
Dimensions (mm)	L	790	790	815	815	815	1115	1115	1115	1515	1515
	A	700	700	700	700	700	1000	1000	1000	1400	1400
	B	140	140	168	168	168	168	168	168	168	168
	C	170	170	200	200	200	200	200	200	200	200
	D	80	80	80	80	80	80	80	80	80	80
	H	100	100	100	100	100	100	100	100	100	100
	J	120	120	150	150	150	150	150	150	150	150
	K	350	350	350	350	350	500	500	500	700	700
	d1	G 1"	G 1"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 2"	G 2"
	d2	W 22	W 22	W 28	W 28	W 28	W 28	W 28	W 28	W 35	W 35
	d3	W 16	W 16	W 22	W 22	W 22	W 22	W 22	W 22	W 28	W 28
Weight	kg	32	34	45	46	47	55	57	59	65	68

R407C	Water Inlet Temperature	28 °C	Condensation Temperature (DEW)	42 °C
	Water Outlet Temperature	33 °C	Extreme Cooling (Δt)	3 K
	Contamination Coefficient	0,000043 m^2 K/W		

BC Series Condensers

			100	120	130	145	165	180	200	220	245	265
Capacity	Q_w	kW	94	111	120	141	163	176	205	227	251	273
		Tons (RT)	26,8	31,6	34,2	40,2	46,4	50,1	58,4	64,7	71,5	77,8
Mass Flow Rate	WN	m^3/h	17,3	20,8	22,4	25,1	28,6	31,2	34,6	38,1	42,4	45,9
Pressure Drop	Δp	kPa	21	25	27	46	50	36	33	33	48	52
Pass			2	2	2	2	2	2	2	2	2	2
Refrigerant Fluid Volume	L		17,2	15,7	14,9	22,4	20,4	19,4	27	25	36,5	34,5
Water Volume	L		9,8	11,1	11,8	12,1	13,9	14,7	18,1	19,8	21,6	23,4



		100	120	130	145	165	180	200	220	245	265
Dimensions (mm)	L	1515	1515	1515	1915	1915	1915	1915	1915	1915	1915
	A	1400	1400	1400	1800	1800	1800	1800	1800	1800	1800
	B	168	168	168	168	168	168	194	194	219	219
	C	200	200	200	200	200	200	250	250	250	250
	D	80	80	80	80	80	80	80	80	80	80
	H	150	150	150	150	150	150	150	150	150	150
	J	150	150	150	150	150	150	180	180	200	200
	K	700	700	700	900	900	900	900	900	900	900
	d1	G 2"	G 2"	G 2"	G 2"	G 2"	G 2"	G 2 1/2"	G 2 1/2"	G 2 1/2"	G 2 1/2"
	d2	W 35	W 35	W 35	W 42	W 42	W 42	W 42	W 42	W 54	W 54
	d3	W 28	W 28	W 28	W 35	W 35	W 35	W 35	W 35	W 42	W 42
Weight	kg	71	73	75	85	89	91	124	128	139	143

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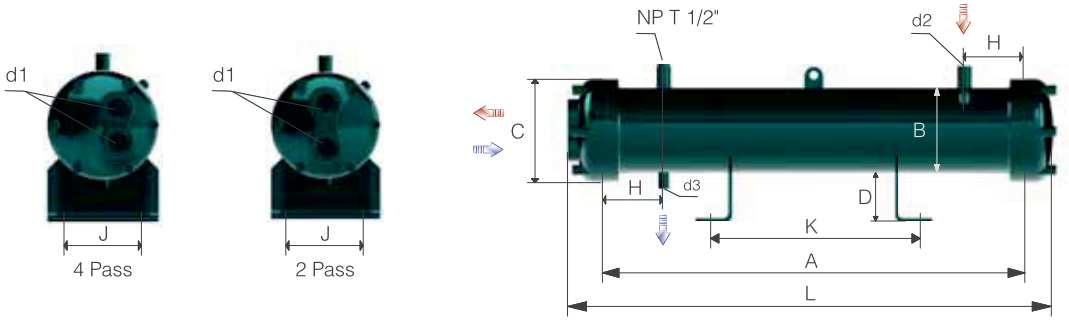
	Contamination Coefficient	0,000043 m^2 K/W		

BC Series Condensers

			285	315	340	360	400	450	480	520	550	610
Capacity	Q_w	kW	295	321	345	380	424	472	498	557	596	649
		Tons (RT)	84,0	91,5	98,3	108,3	120,8	134,5	141,9	158,7	169,8	184,9
Mass Flow Rate	WN	m^3/h	49,3	54,2	58,8	62,3	69,2	77,9	83,2	90	95,2	106
Pressure Drop	Δp	kPa	55	42	59	44	48	55	37	37	38	43
Pass			2	2	2	2	2	2	2	2	2	2
Refrigerant Fluid Volume	L		32,5	64,9	63	59	55	51,1	89	83	79	75,1
Water Volume	L		25,1	28,1	29,8	33,3	36,8	40,4	44,6	49,9	53,4	57,0



		285	315	340	360	400	450	480	520	550	610
Dimensions (mm)	L	1915	1925	1925	1925	1925	1925	1940	1940	1940	1940
	A	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
	B	219	273	273	273	273	273	324	324	324	324
	C	250	295	295	295	295	295	350	350	350	350
	D	80	100	100	100	100	100	100	100	100	100
	H	150	150	150	150	150	150	150	150	150	150
	J	180	240	240	240	240	240	280	280	280	280
	K	900	900	900	900	900	900	900	900	900	900
	d1	G 2 1/2"	G 3"	G 3"	G 3"	G 3"	G 3"	G 4"	G 4"	G 4"	G 4"
	d2	W 54	W 54	W 54	W 54	W 54	W 54	W 54	W 54	W 54	W 80
	d3	W 42	W 42	W 42	W 42	W 42	W 42	W 42	W 42	W 42	W 54
Weight	kg	147	181	185	193	201	208	248	259	267	274

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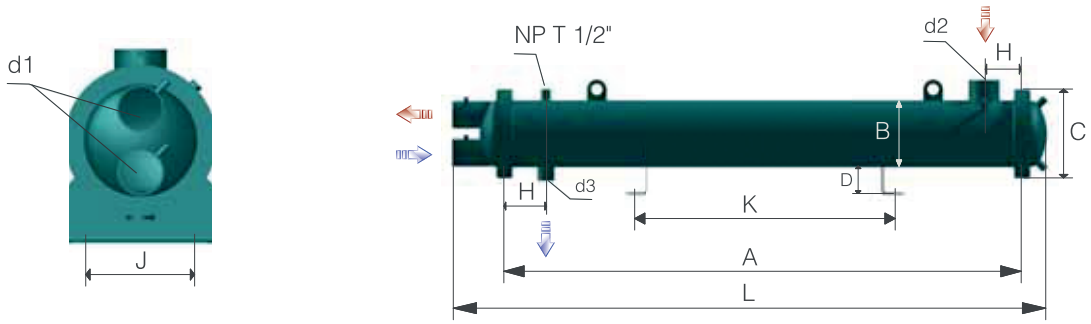
BC Series Condensers

			675	760	840	940	1040	1100	1220	1360	1520	1680
Capacity	Q_w	kW	702	793	867	1039	1178	1243	1350	1489	1670	1849
		Tons (RT)	200,0	225,9	247,0	296,0	335,6	354,1	384,6	424,2	475,8	526,8
Mass Flow Rate	WN	m^3/h	117	132	145	163	180	190	211	235	263	291
Pressure Drop	Δp	kPa	49	37	41	49	51	54	45	50	39	41
Pass			2	2	2	2	2	2	2	2	2	2
Refrigerant Fluid Volume	L		71,1	92,1	85,2	144	131,9	125,3	180,1	169,1	222,3	205,8
Water Volume	L		60,5	81,4	87,5	109,6	120,4	126,3	140,8	150,6	174,3	188,9



		675	760	840	940	1040	1100	1220	1360	1520	1680
Dimensions (mm)	L	1940	2175	2175	2415	2415	2415	2435	2435	2455	2455
	A	1800	1800	1800	2000	2000	2000	2000	2000	2000	2000
	B	324	356	356	406	406	406	457	457	508	508
	C	350	430	430	480	480	480	530	530	580	580
	D	100	100	100	100	100	100	100	100	100	100
	H	150	150	150	150	150	150	150	150	150	150
	J	280	320	320	370	370	370	420	420	470	470
	K	900	900	900	1000	1000	1000	1000	1000	1000	1000
	d1	G 4"	J 5"	J 5"	J 6"	J 6"	J 6"	J 6"	J 6"	J 6"	J 6"
	d2	W 80	W 80	W 80	W 80	W 80	W 80	W 100	W 100	W 100	W 100
	d3	W 54	W 54	W 54	W 54	W 54	W 54	W 80	W 80	W 80	W 80
Weight	kg	283	352	366	466	490	503	592	614	725	758

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