

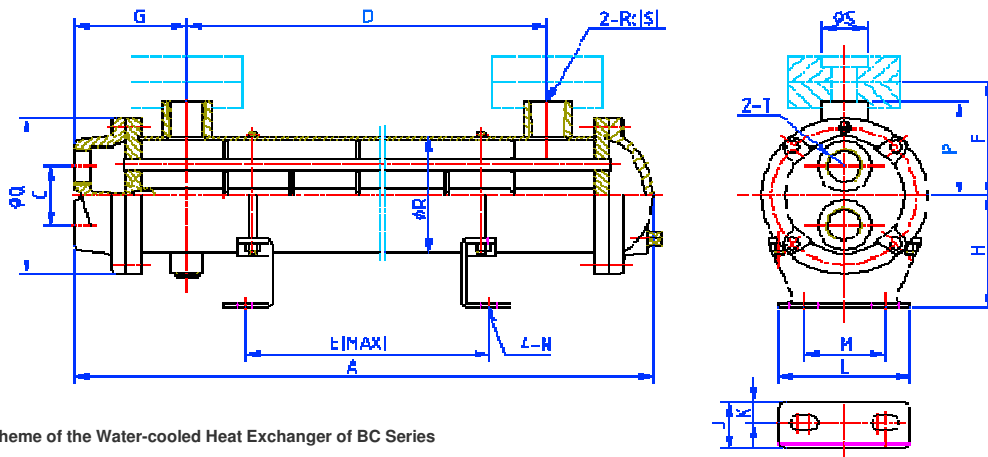
BC(Y) series water-cooled heat exchanger is a bare-tube one (with rolling fin outside), of traditional structure. The small-size product is the immovable type of the tube-plate, the model is BC. The model BCY are medium-large products, which are the moving tube-plate type.

The heat tube is made of bare one (without rolling fin outside), which have high heat coefficient of membrane outside flow and better ability to resist pollution, suitable for cooling of dirtier fluid and higher viscosity, heat exchanging of water to water and water to air.

We can select stainless steel or special alloy for BC(Y) series according to customers requirements. They are suitable for heat exchanging in chemical industry, high-temperature medium and sea water, etc.

Because the model BC(Y) of BC series adopts the moving tube-plate, the core of the tube can be dismantled to clean and repair.

The BC series products cover market more widely. We can design and manufacture various coolers, from small to big size, according to customers requirements.

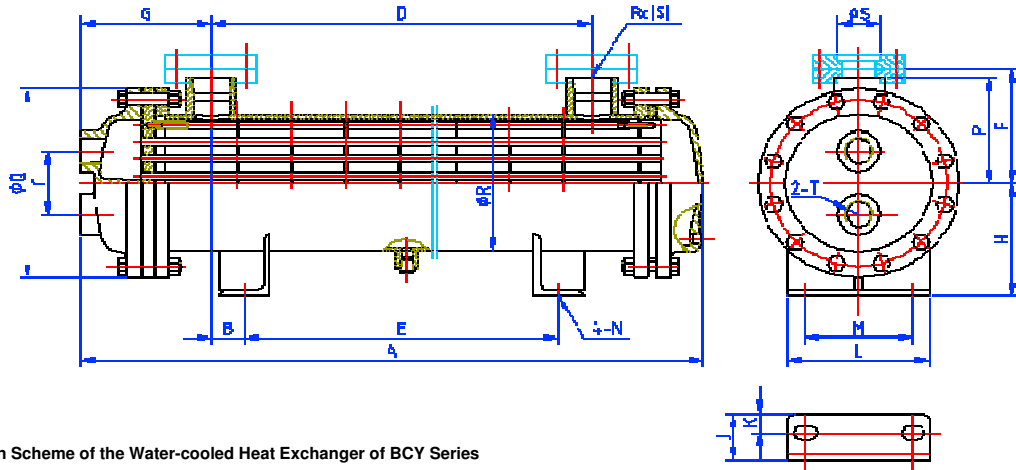


The Construction Scheme of the Water-cooled Heat Exchanger of BC Series

The Specifications and Dimensions of BC Series Products (immovable type of tube plate)

unit:mm

Type	A	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
BC-302	309	45	152	107	85	81	87	35	15	95	58	11×20	62	120	89	Rc3/4 φ28.5	Rc3/4
303	381		224	179													
304	531		374	329													
305	597		440	395													
306	741		584	539													
307	813		656	611													
308	885		728	683													
BC-406	469	70	284	240	110	95	125	50	20	160	110	18×22	87	150	115	Rc1 1/4 φ43 (DN32)	Rc3/4
407	547		362	318													
408	613		428	384													
410	757		572	528													
412	829		644	600													
413	901		716	672													
415	1045		860	816													
417	1188	1003	959														
BC-510	572	70	340	276	140	121	160	50	20	180	120	18×25	105	200	141	Rc1 1/2 φ52 (DN40)	Rc1
512	638		406	342													
515	782		550	486													
517	854		622	558													
519	926		694	630													
522	1070		838	774													
526	1213		981	917													
528	1323		1091	1027													
BC-621	822	70	502	427	160	165	180	160	50	30	210	18×30	122	245	165	Rc2 φ65 (DN50)	Rc1
623	858		538	463													
627	992		672	597													
631	1110		790	715													
634	1204		884	809													
637	1288		968	893													
640	1408		1088	1013													
643	1478		1158	1083													
645	1563		1243	1168													



The Construction Scheme of the Water-cooled Heat Exchanger of BCY Series

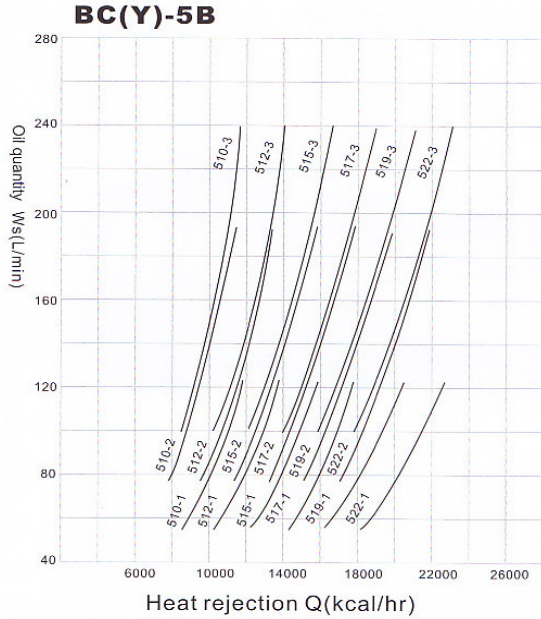
The Specifications and Dimensions of BCY Series Products (immovable type of tube plate)

unit:mm

Type	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
BCY-510	569	32	70	317	253	140	141	160	50	20	180	120	18×25	105	200	141	Rc1½ Φ50 (DN40)	Rc1
512	635			383	319													
515	779			527	463													
517	851			599	535													
519	923			671	607													
522	1067			815	751													
526	1210			958	894													
528	1320			1068	1004													
BCY-621	819	37.5	70	479	404	160	185	180	50	20	210	140	18×30	122	245	165	Rc2 Φ65 (DN50)	Rc1
623	855			515	440													
627	989			649	574													
631	1107			767	692													
634	1201			861	786													
637	1285			945	870													
640	1405			1065	990													
643	1475			1135	1060													
645	1560	1220	1145															
BCY-842	973	50	100	613	513	180	195	180	80	37	240	180	22×35	165	300	219	Rc2½ Φ77 (DN65)	Rc1½
850	1117			757	657													
858	1260			900	800													
864	1370			1010	910													
869	1460			1100	1000													
877	1570			1210	1110													
881	1680			1320	1220													
890	1850			1490	1390													
896	1970	1610	1510															
BCY-1085	1270	60	120	880	760	220	210	220	80	37	280	200	22×35	200	350	273	Rc3 Φ92 (DN80)	Rc1½
1095	1380			990	870													
10100	1470			1080	960													
10110	1580			1190	1070													
10120	1690			1300	1180													
10127	1770			1380	1260													
10134	1860			1470	1350													
10144	1980			1590	1470													
10154	2100	1710	1590															
10165	2240	1850	1730															
BCY-12140	1495	55	150	1060	950	280	237	280	100	40	350	250	22×40	226	445	324	Rc3 Φ92 (DN80)	Rc2
12150	1605	85		1170	1000													
12165	1715	95		1280	1100													
12176	1795	105		1360	1150													
12186	1885	150		1450	1150													
12200	2005	185		1570	1200													
12214	2125	245		1690	1200													
12229	2265	290		1830	1250													
12240	2355	335		1920	1250													
12250	2445	355		2010	1300													
12260	2535	375		2100	1350													
BCY-14250	1866	105		220	1310													
14270	1956	150	1400		1100													
14290	2076	160	1520		1200													
14310	2196	220	1640		1200													
14333	2336	240	1780		1300													
14348	2426	235	1870		1400													
14363	2516	280	1960		1400													
14378	2606	275	2050		1400													
14395	2706	325	2150		1500													
14409	2796	370	2240		1600													
BCY-16335	2153	140	220	1480	1200	280	334	280	100	40	400	300	24×50	243	470	357	Rc3 Φ92 (DN80)	Φ77.5 (DN65)
16360	2273	200		1600	1200													
16385	2413	220		1740	1300													

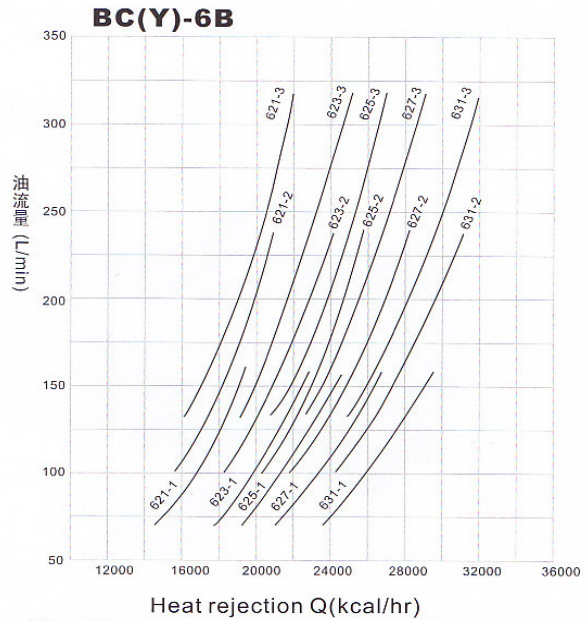
16400	2503	265	240	1830	1300	350	395	350	100	40	400	300	26x50	-	560	407	Φ116 (DN100)	Φ90.5 (DN80)
16420	2593	310		1920	1300													
16435	2683	305		2010	1400													
16555	2783	355		2110	1400													
16470	2873	350		2200	1500													
16485	2963	345		2290	1600													
16505	3053	390		2380	1600													
BCY-18540	2303	40	1580	1500	310	380	401	380	100	40	450	350	26x50	-	620	480	Φ116 (DN100)	Φ90.5 (DN80)
18580	2443	110	1720	1500														
18605	2533	130	1810	1550														
18632	2623	175	1900	1550														
18658	2713	195	1990	1600														
18687	2813	245	2090	1600														
18713	2903	240	2180	1700														
18739	2993	285	2270	1700														
18765	3083	280	2360	1800														
18791	3173	275	2450	1900														
18817	3263	270	2540	2000														

The Function Curve of BC(Y) series products



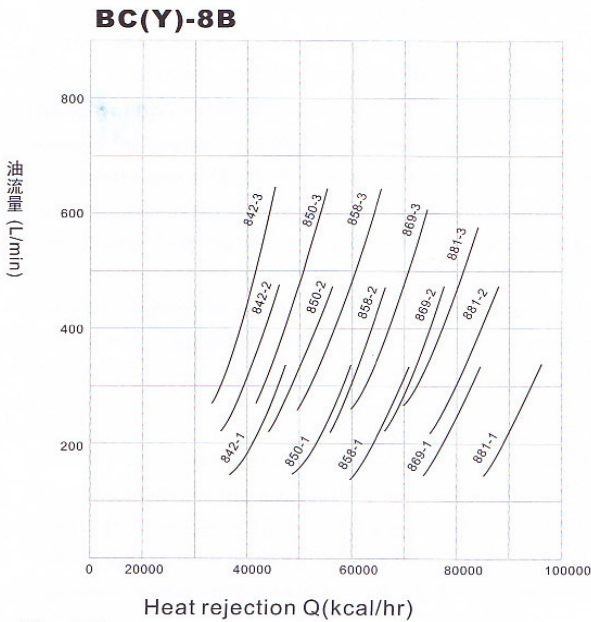
Condition

fluid: equal to ISO VG-32 temperature of water inlet: 28° C
 temperature of water inlet: 50° C quantity of cooling water: MAX. 50 l/min



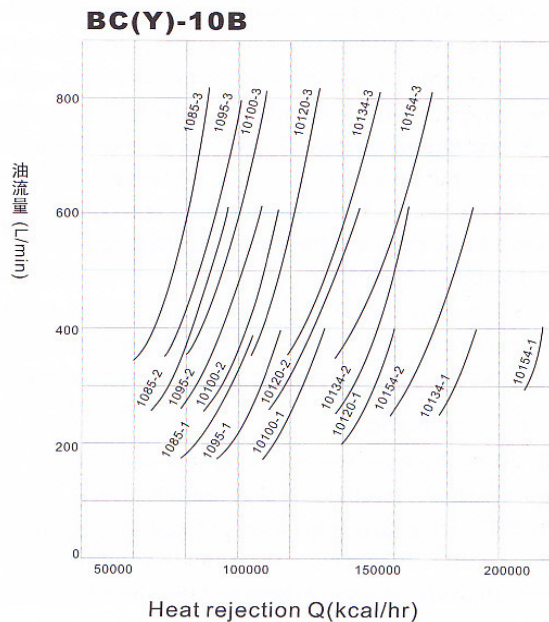
Condition

fluid: equal to ISO VG-32 temperature of water inlet: 28° C
 temperature of water inlet: 50° C quantity of cooling water: MAX. 80 l/min



Condition

fluid: equal to ISO VG-32 temperature of water inlet: 28° C
 temperature of water inlet: 50° C quantity of cooling water: MAX. 150 l/min



Condition

fluid: equal to ISO VG-32 temperature of water inlet: 28° C
 temperature of water inlet: 50° C quantity of cooling water: MAX. 250 l/min