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BSPL EVAPORATIVE CONDENSERS

BSPL 系列蒸发式冷凝器

COMPANY BRIEF INTRODUCTION

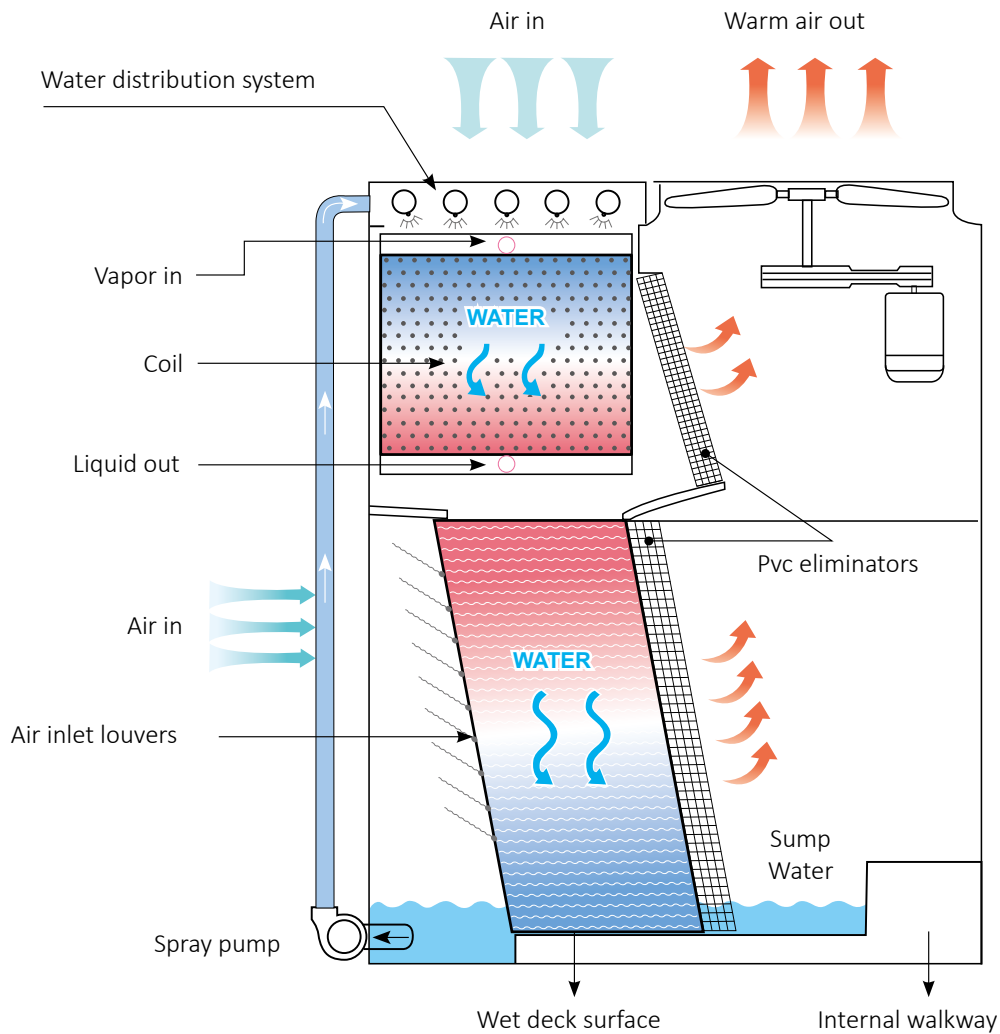
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Create More Comfortable And Clean
Living and Working Environment For The Human Beings

BSPL SERIES PRINCIPLE OF OPERATION



OPERATING MODE

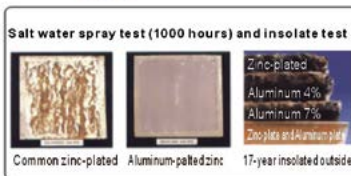
Hot gaseous refrigerant in the coil transfers heat to spray water and air outside the coil, being cooled into liquid. The draught fan produces extra forced air that enables spray water to cover the coil surface thoroughly, thus resulting in remarkable improvement in heat-exchange performance. While spray water and air absorbs heat, the water partly turns into vapor due to its increased temperature. Therefore, a great deal of heat is taken up by the latent heat of vaporization. Water out of the heated air is baffled to the pvc heat-exchange fill. Cooled by air across the pvc heat-exchange fill to a lower temperature, water flows into the water sump where it is pumped to the spray system for repeating circulation. A water level controller is designed to control the water makeup for water dispersed into surrounding air. The capacity of the evaporative condenser can be adjusted by variable motor speed or different combination of air fan and motor depending on actual demand for load.

CHARACTERISTICS OF PRODUCT



Low fault rate

Both propeller fan and water pump adopt high quality bearing, which is the only running part that has friction. The direct connecting structure of the propeller fan has the advantages of low transmission loss, low noise and low fault rate.



Imported board of Zinc-plate and Aluminum-plate

The outer shells of BSPL series products are all made of Imported board of Zinc-plate and Aluminum-plate with the best stain resistance. Its lifetime is 3 to 6 times of that of the common ones. This kind of stain steel has the advantages of strong heat resistance and beautiful appearance.



Reliable fixing element

The boxes of BSPL products use stainless steel (304) bolt or Teke Luo screws for the connection. The character inoxidability is perfect than normal. Meanwhile it assures condensing's steadily working for a long time.

HIGH QUALITY PARTS

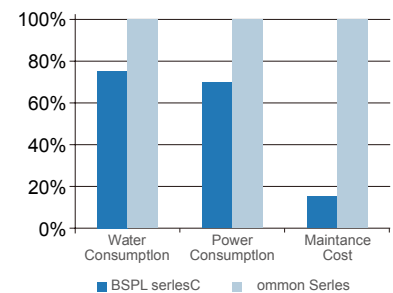
Convenient examine and repair

With large access door and sufficient inner room, maintainers can conveniently examine and repair the equipment inside it.



Low operating cost and energy saving

Because of the unique structure, BSPL series products have the advantages of high thermal technology performance, low condensing temperature, low water and power consumption, low noises and low maintenance cost. It is the real energy-saved and environment protected product.



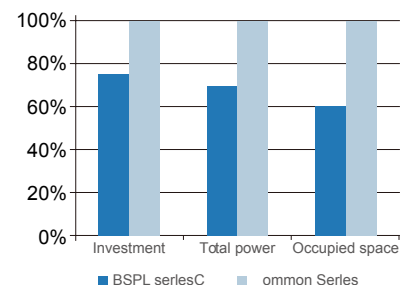
Examine and repair without stopping the operation of the machine

The ball cock and dross filter of BSPL series products can be examined and repaired without stopping the operation of the machine. Because of the same direction of airflow and water flow, it is very convenient to examine and repair nozzles and coils when the machine is running.



Small occupied space and low whole investment

BSPL series products combine traditional condenser, cooling tower, circulating water pump, basin and connected pipes together. They have the advantages of small floor space and low investment.





Axial Fan:

The evaporative condenser of SPL range utilizes a forward curved carbon fibre fan blade. This helps with noise abatement and less energy use with the light weight of the fan blade. The motor is TEFC & MEPS rated directly coupled to the fan blade.



Electronic Water Treatment Device:

The water treatment device works on single phase power and minimizes the amount of scale produced as well as sterilizing the water, reducing the need on chemicals alone.



Spray Pump:

Is a Siemens TEFC motor close coupled inline pump configuration mechanical shaft seal Large flow and low noise.





Condensing Coils:

The condensing coil are made from high quality carbon steel tubes 2.0mm thickness pneumatically tested 3 times to 2.5Mpa. Hot dipped galvanized as standard. The slope of coils are free draining with minimum pressure drop. Stainless steel coils are an option.



Advanced Water Distribution:

SPL evaporative condenser water spray system adopts large discharge and anti-blockage nozzles, which have an over lapping spray pattern ensuring the cooling water contacts the condensing coil and hence overcome the fouling and promote the moisture to vaporize, thus improving the effect of heat transfer. The nozzles can be easily removed from spray header pipes for cleaning.



Drift Eliminators + Wet Deck:

Both made from PVC which is impervious to rot and decay. Drift eliminators efficiently remove entrained moisture from leaving air stream down to 0.001%. Wet deck utilizes a honey comb type stuffing. The short horizontal air-inlet design can help the cool air take away the heat of water immediately.



Casing, Basin + Hardware:

The casing is made from 304 stainless steel sheet 2.4mm thick and fixed with stainless steel hardware, whilst the basin has an integral slope for easier cleaning. The condenser is able to be transported on standard in gauge freight and comes in two

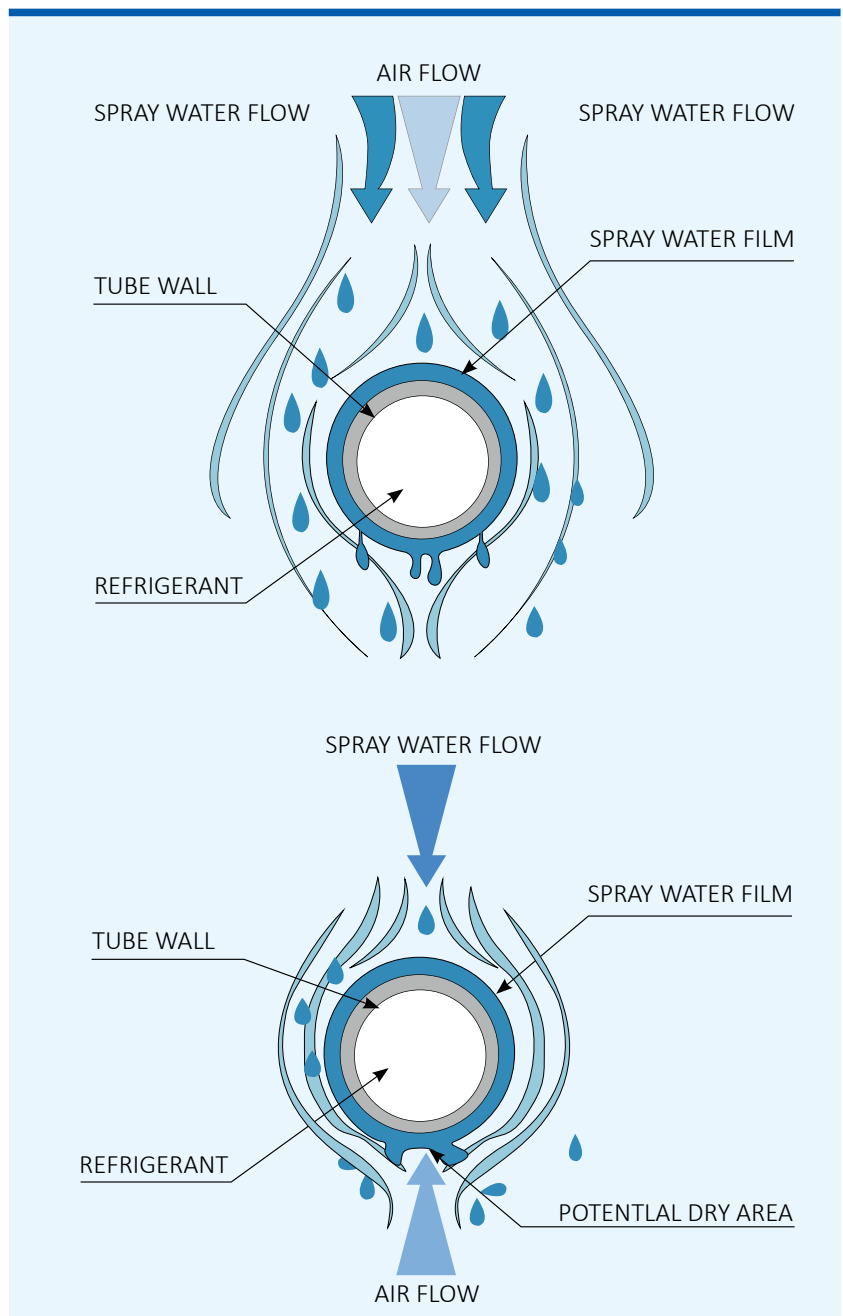


REDUCED SCALE TENDENCY

Four facets of the BSPL Evaporative Condenser work together to reduce the propensity for scale build-up when compared with conventional condensers:

Air and Water Flow in Parallel Path

Better water coverage around the tubes is due to air and spray water flowing in a smooth, parallel, downward path over the condensing coil, maintaining full tube coverage. This parallel flow eliminates scale-promoting dry spots since the water is not stripped from the underside of the tubes by the airflow.



Increased Water Flow over Coil.

The spray water flow rate over the coil is more than twice that of most conventional evaporative condensers. This provides continuous flooding of the primary heat transfer surface for decreased scaling potential. No increase in pump horsepower is required with this higher flow due to the BSPL's unique heat transfer system.

Evaporation Occurs Primarily in Wet Deck.

The BSPL incorporates combined-flow technology using both primary and secondary heat transfer surfaces. The primary heat transfer surface, the serpentine condensing coil, is the most important as well as the most expensive component in the evaporative condenser. The coil of the BSPL is protected from detrimental scale since the BSPL coil relies primarily on sensible heat transfer and therefore is less susceptible to scale formation than are other designs that rely primarily on latent (evaporative) heat transfer from the coil surface.

Colder Spray Water

Spray water at colder temperatures has a lower propensity to form scale because scaling compounds remain in solution rather than depositing as solids on the coil. In the BSPL, the spray water over the coil is commonly 4-5°C colder than other condenser designs due to the addition of the secondary heat transfer surface. The colder spray water alone typically reduces the scaling potential* of the BSPL by 25% compared to other designs. This is above and beyond the reduction achieved due to the first three facets discussed above.

MODEL SELECTION

Selection instructions

- Make sure of the operating condition, condensing temperature and wet bulb temperature.
- Figure out the total amount of heat rejection discharged by the system to the condenser.
- Look up Graph 1 or Graph 2 to choose the heat rejection correction index.
- The total amount of heat rejection multiplies the correction index equals the condensation load when operating.
- Look up Graph to choose a type. The heat rejection of the chosen type should no less than the corrected heat rejection.

For example

- Operating condition, condensing temperature = 36°C, wet bulb temperature = 29°C.
- The total amount of heat rejection discharged by the ammonia cooling system is 900KW. (The refrigerating capacity of compressor + the power of compressor's crankshaft = the total amount of heat rejection)
- Look up Graph 1 and find out the heat rejection correction index is 1.35.
- Calculate the actual load of the condenser: $900\text{KW} \times 1.35 = 1215\text{KW}$.
- Look up Graph 9 and choose Evaporative Condenser Type BSPL-1265 its heat rejection $> 1215\text{KW}$.

Instructions for selecting model

- the data and specifications mentioned above are for reference only, information may be revised with prior notice.
- Charge amount refers to the ammonia NH_3 amount under standard freezing running conditions, other refrigerants need to be calculated separately.
- The operating weight in the table is the weight of equipment weight plus cooling dose as well as the weight of water stored under the bottom.
- Non-standard special requests of the users can be made on behalf of the user.
- Heat discharge under normal conditions in the table refers to the date of condensing temperature $T_K = 36^\circ\text{C}$, air inlet wet bulb temperature $T_s = 26^\circ\text{C}$.

CORRECTION FACTORS

Heat Rejection Correction factors for R717

Graph 1

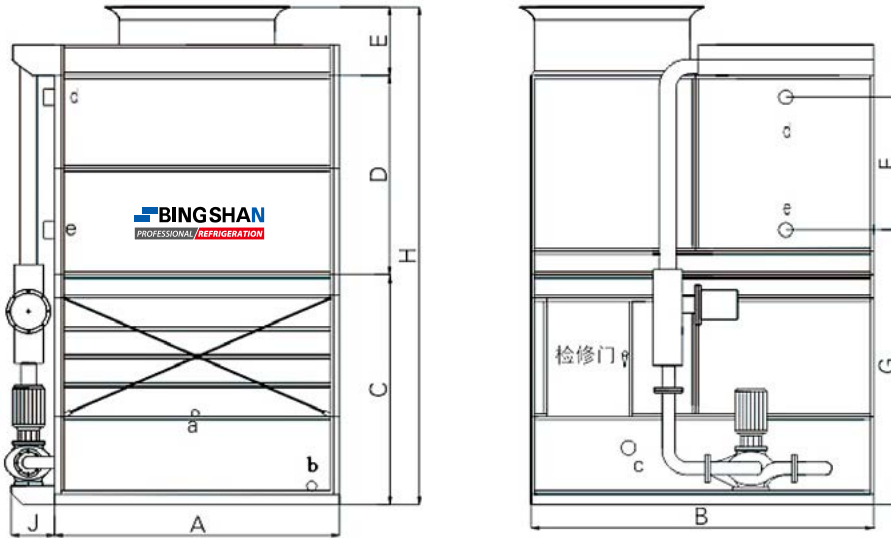
CONDENSING TEMPERATURE °C	Air inlet wet bulb temperature (°C)																	
	10	12	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
29	0.72	0.78	0.86	0.96	1.01	1.09	1.18	1.30	1.43	1.60	1.84	2.16	2.66	/	/	/	/	/
30	0.68	0.73	0.81	0.88	0.94	1.00	1.07	1.15	1.27	1.40	1.59	1.79	2.13	/	/	/	/	/
31	0.64	0.68	0.74	0.82	0.86	0.91	0.97	1.04	1.12	1.22	1.36	1.52	1.74	2.06	/	/	/	/
32	0.61	0.65	0.69	0.74	0.80	0.84	0.89	0.95	1.02	1.10	1.20	1.34	1.49	1.70	2.02	/	/	/
33	0.57	0.61	0.65	0.70	0.73	0.78	0.82	0.87	0.92	0.99	1.07	1.16	1.29	1.45	1.66	1.96	/	/
34	0.55	0.58	0.62	0.66	0.69	0.72	0.76	0.80	0.85	0.90	0.96	1.04	1.14	1.27	1.42	1.63	1.90	/
35	0.52	0.54	0.58	0.62	0.64	0.67	0.70	0.73	0.78	0.83	0.88	0.94	1.02	1.11	1.23	1.37	1.59	1.85
36	0.50	0.52	0.55	0.59	0.61	0.63	0.66	0.69	0.72	0.75	0.81	0.86	0.92	1.00	1.09	1.22	1.35	1.57
37	0.47	0.49	0.52	0.55	0.57	0.59	0.61	0.64	0.67	0.70	0.73	0.79	0.84	0.90	0.97	1.06	1.21	1.33
38	0.45	0.47	0.50	0.53	0.55	0.56	0.58	0.60	0.62	0.65	0.68	0.72	0.76	0.82	0.88	0.96	1.04	1.19
39	0.43	0.45	0.47	0.50	0.52	0.53	0.54	0.56	0.58	0.61	0.63	0.67	0.70	0.74	0.80	0.86	0.95	1.04
40	0.42	0.43	0.45	0.48	0.49	0.50	0.52	0.53	0.55	0.58	0.60	0.62	0.66	0.69	0.73	0.78	0.85	0.93
41	0.40	0.41	0.43	0.45	0.46	0.47	0.49	0.50	0.52	0.54	0.56	0.58	0.61	0.64	0.67	0.71	0.76	0.83
42	0.39	0.40	0.41	0.43	0.44	0.45	0.47	0.48	0.49	0.51	0.53	0.55	0.57	0.60	0.62	0.66	0.70	0.74
43	0.37	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.46	0.48	0.50	0.51	0.53	0.55	0.58	0.61	0.65	0.69
44	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.46	0.47	0.49	0.50	0.52	0.54	0.57	0.60	0.63
45	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.46	0.47	0.49	0.51	0.53	0.56	0.58

Heat Rejection Correction factors for R22 and R134a

Graph 2

CONDENSING TEMPERATURE °C	Air inlet wet bulb temperature (°C)																	
	10	12	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
29	0.89	0.97	1.07	1.19	1.30	1.35	1.46	1.61	1.77	1.98	2.28	2.68	3.30	/	/	/	/	/
30	0.84	0.91	1.00	1.09	1.17	1.28	1.33	1.43	1.57	1.74	1.97	2.22	2.64	/	/	/	/	/
31	0.79	0.84	0.92	1.02	1.07	1.13	1.20	1.29	1.39	1.51	1.69	1.88	2.16	2.55	/	/	/	/
32	0.76	0.81	0.86	0.92	0.99	1.04	1.10	1.18	1.26	1.36	1.49	1.66	1.85	2.11	2.50	/	/	/
33	0.71	0.76	0.81	0.87	0.91	0.97	1.02	1.08	1.14	1.23	1.33	1.44	1.60	1.80	2.06	2.43	/	/
34	0.68	0.72	0.77	0.82	0.86	0.89	0.94	0.99	1.05	1.12	1.19	1.29	1.41	1.57	1.76	2.02	2.33	/
35	0.64	0.67	0.72	0.77	0.79	0.83	0.87	0.91	0.97	1.03	1.09	1.17	1.26	1.38	1.53	1.70	1.97	2.29
36	0.62	0.64	0.68	0.73	0.76	0.78	0.82	0.86	0.89	0.93	1.00	1.07	1.14	1.24	1.35	1.51	1.67	1.95
37	0.58	0.61	0.64	0.68	0.71	0.73	0.76	0.79	0.83	0.87	0.91	0.98	1.04	1.12	1.20	1.31	1.50	1.65
38	0.56	0.58	0.62	0.66	0.68	0.69	0.72	0.74	0.77	0.81	0.84	0.89	0.94	1.02	1.09	1.19	1.29	1.48
39	0.53	0.56	0.58	0.62	0.64	0.66	0.67	0.69	0.72	0.76	0.78	0.83	0.87	0.92	0.99	1.07	1.18	1.29
40	0.52	0.53	0.56	0.60	0.61	0.62	0.64	0.66	0.68	0.72	0.74	0.77	0.82	0.86	0.91	0.97	1.05	1.15
41	0.50	0.51	0.53	0.56	0.57	0.58	0.61	0.62	0.64	0.67	0.69	0.72	0.76	0.79	0.83	0.88	0.94	1.03
42	0.48	0.50	0.51	0.53	0.55	0.56	0.58	0.60	0.61	0.63	0.66	0.68	0.71	0.74	0.77	0.82	0.87	0.92
43	0.46	0.47	0.48	0.51	0.52	0.53	0.55	0.56	0.57	0.60	0.62	0.63	0.66	0.68	0.72	0.76	0.81	0.86
44	0.45	0.46	0.47	0.48	0.50	0.51	0.52	0.53	0.55	0.57	0.58	0.61	0.62	0.64	0.67	0.71	0.74	0.78
45	0.42	0.43	0.45	0.46	0.47	0.48	0.50	0.51	0.52	0.53	0.55	0.57	0.58	0.61	0.63	0.66	0.69	0.72

BSPL-145~290 external dimension and technical parameters



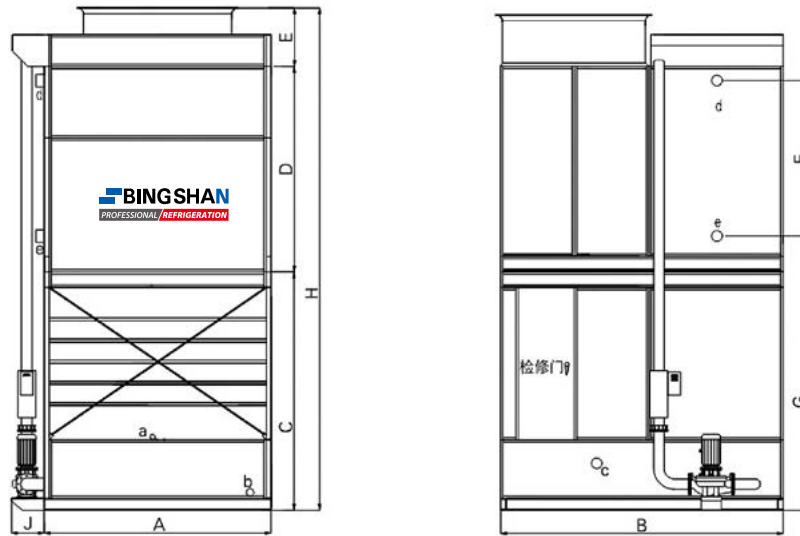
Graph 3

Type	Heat reflection under nominal operating mode	Propeller fan			Water circulating pump		NH ₃ Filling rate	Weight	
		Quality	Blowing rate	Power	Discharge rate	Power		Transport	Operat
			m ³ /h	kw	m ³ /h	kw			
BSPL-145	0.68	0.73	0.81	0.88	0.94	1.00	1.07	1.15	1.27
BSPL-155	0.64	0.68	0.74	0.82	0.86	0.91	0.97	1.04	1.12
BSPL-170	0.61	0.65	0.69	0.74	0.80	0.84	0.89	0.95	1.02
BSPL-195	0.57	0.61	0.65	0.70	0.73	0.78	0.82	0.87	0.92
BSPL-215	0.55	0.58	0.62	0.66	0.69	0.72	0.76	0.80	0.85
BSPL-235	0.52	0.54	0.58	0.62	0.64	0.67	0.70	0.73	0.78
BSPL-250	0.50	0.52	0.55	0.59	0.61	0.63	0.66	0.69	0.72
BSPL-270	0.47	0.49	0.52	0.55	0.57	0.59	0.61	0.64	0.67
BSPL-290	0.45	0.47	0.50	0.53	0.55	0.56	0.58	0.60	0.62

Graph 4

Type	Dimension									Compensation water pipe	Discharge Pipe	Overflow pipe	Air inlet pipe	Water outlet pipe
	A	B	C	D	E	F	G	H	J					
	mm	mm	mm	mm	mm	mm	mm	mm	mm					
BSPL-145	1830	2200	1475	1280	440	376	2240	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-155	1830	2200	1475	1280	440	376	2240	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-170	1830	2200	1475	1280	440	376	2240	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-195	1830	2200	1475	1280	440	376	2240	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-215	1830	2200	1475	1280	440	614	2002	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-235	1830	2200	1475	1280	440	614	2002	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-250	1830	2200	1475	1280	440	614	2002	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-270	1830	2200	1475	1280	440	852	1764	3195	280	DN25	DN50	DN80	DN100	DN100
BSPL-290	1830	2200	1475	1280	440	852	1764	3195	280	DN25	DN50	DN80	DN100	DN100

BSPL-300~495 external dimension and technical parameters



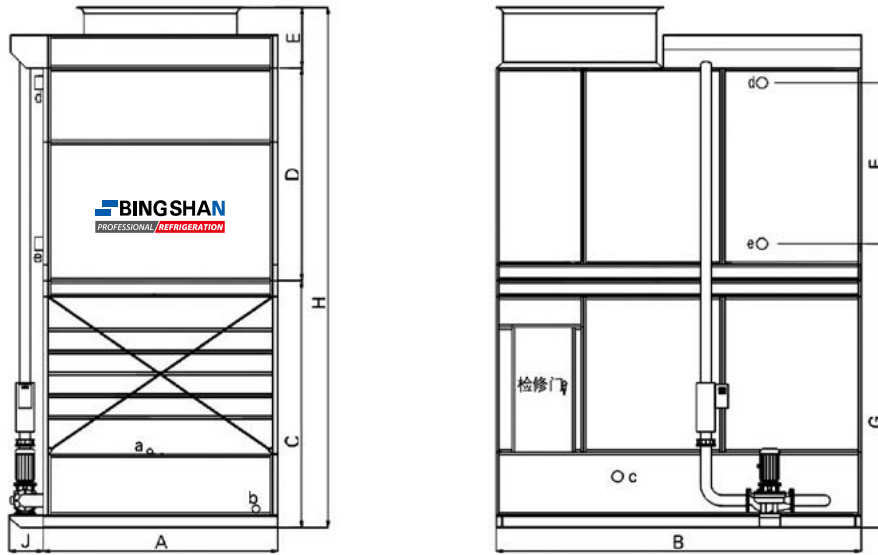
Graph 5

Type	Heat reflection under nominal operating mode kw	Propeller fan			Water circulating pump		NH ³ Filling rate kg	Weight	
		Quality	Blowing rate	Power	Discharge rate	Power		Transport	Operat
			m ³ /h	kw	m ³ /h	kw			
BSPL-300	300	1	1 x 37000	2.2	28	0.75	34	2320	3660
BSPL-330	330	1	1 x 46000	3	28	0.75	34	2330	3670
BSPL-390	390	1	1 x 65000	4	28	0.75	34	2340	3680
BSPL-430	430	1	1 x 65000	4	53	1.10	41	2490	3830
BSPL-475	475	1	1 x 65000	4	53	1.10	49	2700	4050
BSPL-495	495	1	1 x 71000	5.5	53	1.10	49	2710	4060

Graph 6

Type	Dimension									Compensation water pipe a	Discharge Pipe b	Overflow pipe c	Air inlet pipe d	Water outlet pipe e
	A	B	C	D	E	F	G	H	J					
	mm	mm	mm	mm	mm	mm	mm	mm	mm					
BSPL-300	1830	2410	2035	1280	500	852	2324	3815	280	DN25	DN50	DN80	DN100	DN100
BSPL-330	1830	2410	2035	1280	500	852	2324	3815	280	DN25	DN50	DN80	DN100	DN100
BSPL-390	1830	2410	2035	1280	500	852	2324	3815	280	DN25	DN50	DN80	DN100	DN100
BSPL-430	1830	2410	2035	1755	500	1090	2578	4290	280	DN25	DN50	DN80	DN100	DN100
BSPL-475	1830	2410	2035	1755	500	1328	2340	4290	280	DN25	DN50	DN80	DN100	DN100
BSPL-495	1830	2410	2035	1755	500	1328	2340	4290	280	DN25	DN50	DN80	DN100	DN100

BSPL-550~1000 external dimension and technical parameters



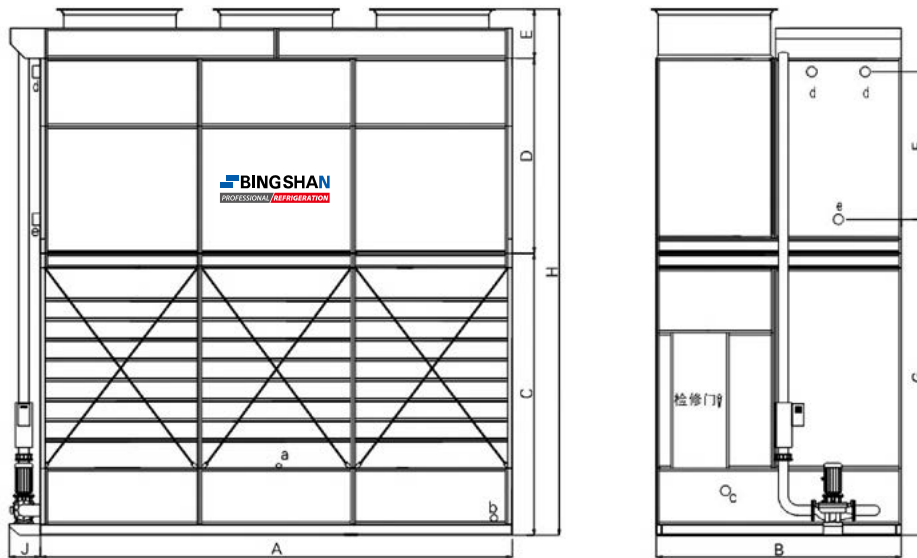
Graph 7

Type	Heat reflection under nominal operating mode	Propeller fan			Water circulating pump		NH ³ Filling rate	Weight	
		Quality	Blowing rate	Power	Discharge rate	Power		Transport	Operat
			m ³ /h	kw	m ³ /h	kw			
BSPL-550	550	1	1 x 63500	4	70	1.5	66	3310	4980
BSPL-595	595	1	1 x 78000	5.5	70	1.5	66	3320	4990
BSPL-670	670	1	1 x 78000	5.5	70	1.5	79	3700	5380
BSPL-700	700	1	1 x 78000	5.5	70	1.5	79	3800	5890
BSPL-735	735	1	1 x 87000	7.5	70	1.5	79	3810	5900
BSPL-780	780	1	1 x 80000	5.5	70	1.5	87	4040	6200
BSPL-870	870	1	1 x 100000	7.5	70	1.5	87	4050	6210
BSPL-920	920	1	1 x 100000	7.5	70	1.5	102	4350	6510
BSPL-1000	1000	1	1 x 125000	11	70	1.5	102	4360	6520

Graph 8

Type	Dimension									Compensation water pipe	Discharge Pipe	Overflow pipe	Air inlet pipe	Water outlet pipe
	A	B	C	D	E	F	G	H	J					
	mm	mm	mm	mm	mm	mm	mm	mm	mm					
BSPL-550	1930	3010	2035	1755	500	1090	2578	4290	280	DN25	DN50	DN80	DN100	DN100
BSPL-595	1930	3010	2035	1755	500	1090	2578	4290	280	DN25	DN50	DN80	DN100	DN100
BSPL-670	1930	3010	2035	1755	500	1328	2340	4290	280	DN25	DN50	DN80	DN100	DN100
BSPL-700	1935	3010	2535	1755	500	1328	2840	4790	280	DN25	DN50	DN80	DN100	DN100
BSPL-735	1935	3010	2535	1755	500	1328	2840	4790	280	DN25	DN50	DN80	DN100	DN100
BSPL-780	1985	3210	2535	1755	500	1328	2840	4790	280	DN25	DN50	DN80	DN100	DN100
BSPL-870	1985	3210	2535	1755	500	1328	2840	4790	280	DN25	DN50	DN80	DN100	DN100
BSPL-920	1985	3210	2535	1995	500	1566	2840	5030	280	DN25	DN50	DN80	DN100	DN100
BSPL-1000	1985	3210	2535	1995	600	1566	2840	5130	280	DN25	DN50	DN80	DN100	DN100

BSPL-1100~1265 external dimension and technical parameters



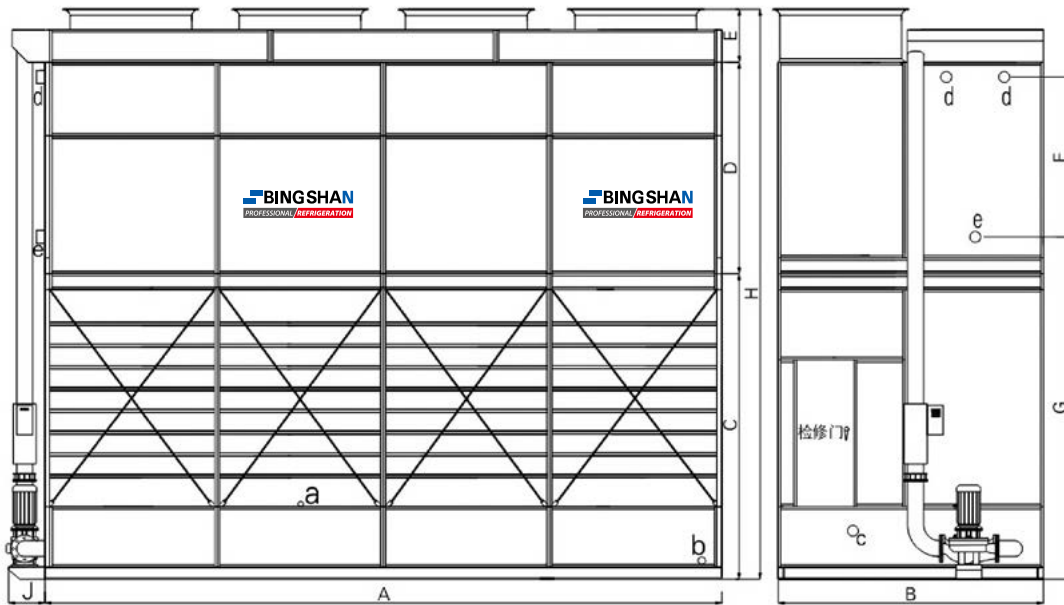
Graph 9

Type	Heat reflection under nominal operating mode kw	Propeller fan			Water circulating pump		NH ³ Filling rate kg	Weight	
		Quality	Blowing rate	Power	Discharge rate	Power		Transport	Operat
			m ³ /h	kw	m ³ /h	kw			
BSPL-1100	1100	1	3 x 40000	3	84	2.2	119	6070	10210
BSPL-1160	1160	1	3 x 45000	4	84	2.2	119	6100	10240
BSPL-1265	1265	1	3 x 45000	4	84	2.2	139	6410	10550

Graph 10

Type	Dimension									Compensation water pipe a	Discharge Pipe b	Overflow pipe c	Air inlet pipe d	Water outlet pipe e
	A	B	C	D	E	F	G	H	J					
	mm	mm	mm	mm	mm	mm	mm	mm	mm					
BSPL-1100	4240	2200	2535	1755	440	1328	2840	4730	280	DN25	DN50	DN80	2DN100	DN100
BSPL-1160	4240	2200	2535	1755	440	1328	2840	4730	280	DN25	DN50	DN80	2DN100	DN100
BSPL-1265	4240	2200	2535	1995	440	1566	2840	4970	280	DN25	DN50	DN80	2DN100	DN100

BSPL-1380~1680 external dimension and technical parameters



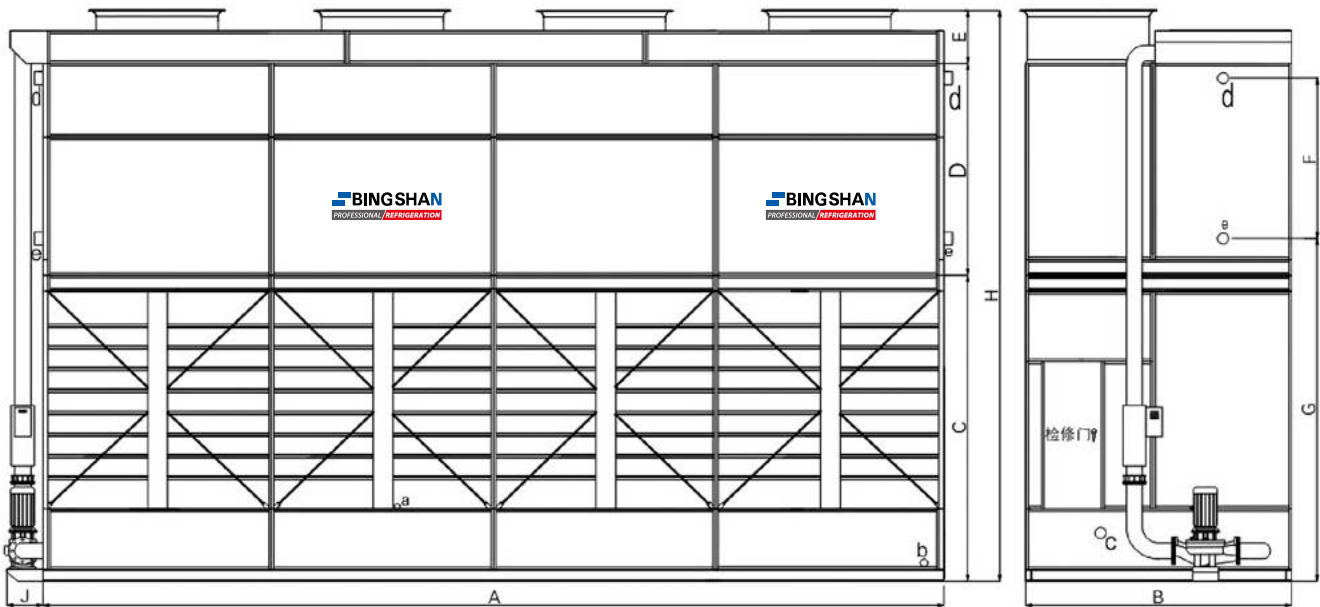
Graph 11

Type	Heat reflection under nominal operating mode kw	Propeller fan			Water circulating pump		NH ³ Filling rate kg	Weight	
		Quality	Blowing rate	Power	Discharge rate	Power		Transport	Operat
			m ³ /h	kw	m ³ /h	kw			
BSPL-1380	1380	4	4 x 35000	4 x 2.2	150	3	159	7050	11250
BSPL-1450	1450	4	4 x 40000	4 x 3	150	3	159	7090	11290
BSPL-1520	1520	4	4 x 45000	4 x 4	150	3	159	7130	11330
BSPL-1680	1680	4	4 x 45000	4 x 4	150	3	186	7630	11930

Graph 12

Type	Dimension									Compensation water pipe a	Discharge Pipe b	Overflow pipe c	Air inlet pipe d	Water outlet pipe e
	A	B	C	D	E	F	G	H	J					
	mm	mm	mm	mm	mm	mm	mm	mm	mm					
BSPL-1380	5620	2200	2535	1755	440	1328	2840	4730	300	DN25	DN50	DN80	2DN100	DN100
BSPL-1450	5620	2200	2535	1755	440	1328	2840	4730	300	DN25	DN50	DN80	2DN100	DN100
BSPL-1520	5620	2200	2535	1755	440	1328	2840	4730	300	DN25	DN50	DN80	2DN100	DN100
BSPL-1680	5620	2200	2535	1995	440	1566	2840	4970	300	DN25	DN50	DN80	2DN100	DN100

BSPL-1840~2140 external dimension and technical parameters



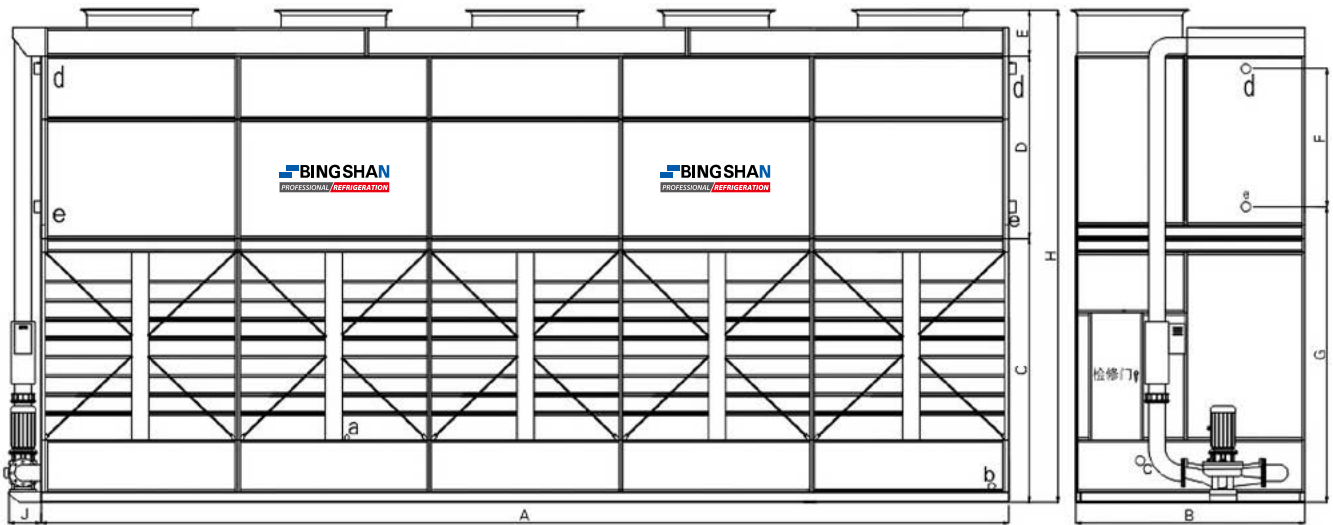
Graph 13

Type	Heat reflection under nominal operating mode kw	Propeller fan			Water circulating pump		NH ₃ Filling rate kg	Weight	
		Quality	Blowing rate	Power	Discharge rate	Power		Transport	Operat
			m ³ /h	kw	m ³ /h	kw			
BSPL-1840	1840	4	4 x 40000	4 x 3	180	4	212	8830	14730
BSPL-1935	1935	4	4 x 45000	4 x 4	180	4	212	8870	14770
BSPL-2140	2140	4	4 x 45000	4 x 4	180	4	248	9470	15370

Graph 14

Type	Dimension									Compensation water pipe a	Discharge Pipe b	Overflow pipe c	Air inlet pipe d	Water outlet pipe e
	A	B	C	D	E	F	G	H	J					
	mm	mm	mm	mm	mm	mm	mm	mm	mm					
BSPL-1840	7460	2200	2535	1755	440	1328	2840	4730	300	DN25	DN50	DN80	2DN100	2DN100
BSPL-1935	7460	2200	2535	1755	440	1328	2840	4730	300	DN25	DN50	DN80	2DN100	2DN100
BSPL-2140	7460	2200	2535	1995	440	1566	2840	4970	300	DN25	DN50	DN80	2DN100	2DN100

BSPL-2300~2820 external dimension and technical parameters



Graph 15

Type	Heat reflection under nominal operating mode kw	Propeller fan			Water circulating pump		NH ³ Filling rate kg	Weight	
		Quality	Blowing rate	Power	Discharge rate	Power		Transport	Operat
			m ³ /h	kw	m ³ /h	kw			
BSPL-2300	2300	5	5 x 40000	5 x 3	233	5.5	266	11030	18430
BSPL-2420	2420	5	5 x 45000	5 x 4	233	5.5	266	11080	18480
BSPL-2680	2680	5	5 x 40000	5 x 3	233	5.5	310	11930	19330
BSPL-2820	2820	5	5 x 45000	5 x 4	233	5.5	310	11980	19380

Graph 16

Type	Dimension									Compensation water pipe a	Discharge Pipe b	Overflow pipe c	Air inlet pipe d	Water outlet pipe e
	A	B	C	D	E	F	G	H	J					
	mm	mm	mm	mm	mm	mm	mm	mm	mm					
BSPL-2300	9300	2200	2535	1755	440	1328	2840	4730	310	DN25	DN50	DN80	2DN100	2DN100
BSPL-2420	9300	2200	2535	1755	440	1328	2840	4730	310	DN25	DN50	DN80	2DN100	2DN100
BSPL-2680	9300	2200	2535	1995	440	1566	2840	4970	310	DN25	DN50	DN80	2DN100	2DN100
BSPL-2820	9300	2200	2535	1995	440	1566	2840	4970	310	DN25	DN50	DN80	2DN100	2DN100

PART PROJECTS



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FRIGOESPACIOS[®]

 (+52) 55 7901 5824

 Iceballos@frigoespacios.com

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