

Isotherm SWLB Laser Stainless Steel Plate Evaporative Condensers
In the Capacity Range of 85 TR to 2,330 TR

**STAINLESS STEEL PLATE
EVAPORATIVE CONDENSERS**

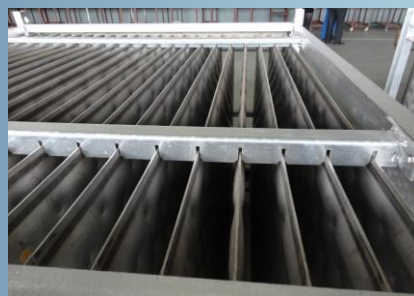
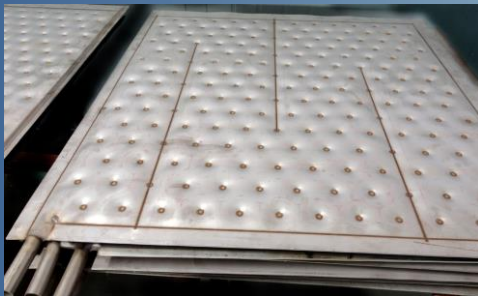


Plate Type Evaporative Condenser Technical Data



SWLB-300~600

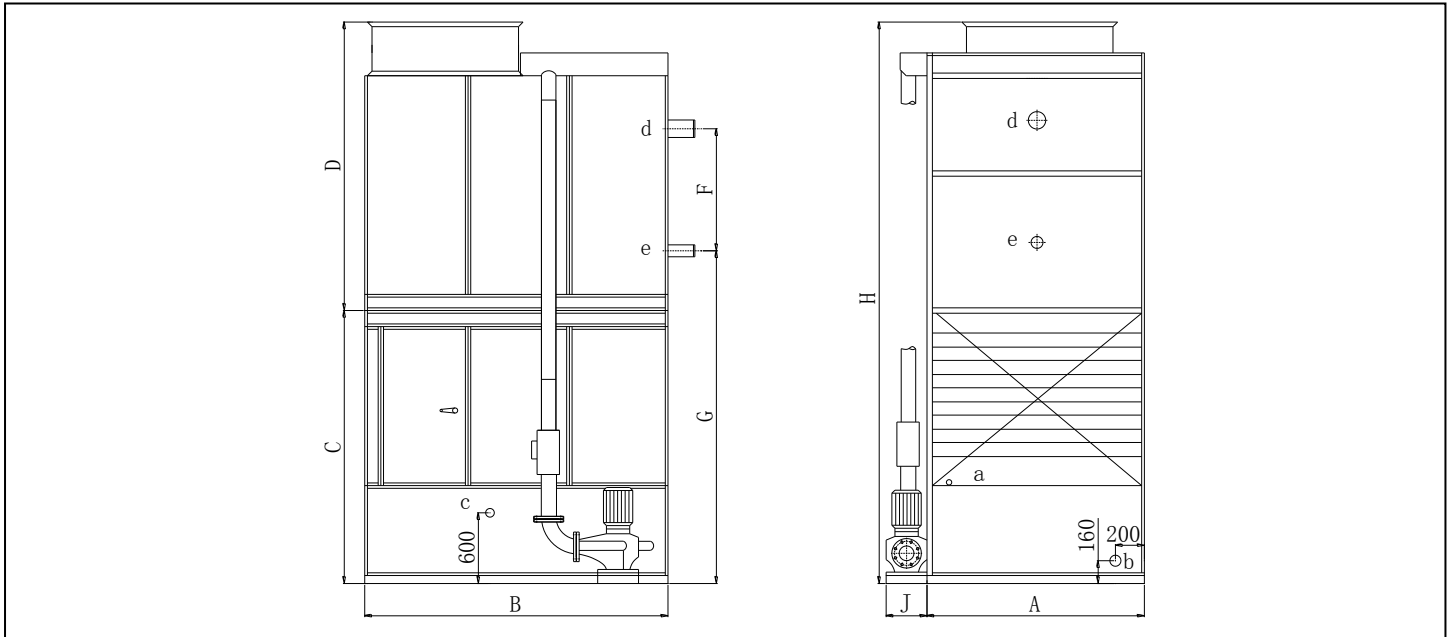


Table 1

Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int. Vol.	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
	kW / TR	Unit	CFM	HP	GPM	HP	cf	lb.	lb.
SWLB-300	300 / 85.3	1	1×18834	5.0	308.2	2	29.5	3968	6934
SWLB-350	350 / 99.5	1	1×18834	5.0	308.2	2	36.8	4299	7495
SWLB-400	400 / 113.7	1	1×31076	5.0	308.2	2	38.2	4629	8157
SWLB-450	450 / 128.0	1	1×31076	5.0	308.2	2	40.8	4960	8818
SWLB-500	500 / 142.2	1	1×32674	7.5	308.2	2	45.5	5500	9479
SWLB-550	550 / 156.4	1	1×32674	7.5	340.2	3	50.2	5550	10141
SWLB-600	600 / 170.6	1	1×32674	7.5	340.2	3	54.9	5952	10802

Table 2

Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.	a	b	c	d	e
SWLB-300	55.1	88.6	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	3in.	2in.
SWLB-350	55.1	88.6	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	3in.	2in.
SWLB-400	62.9	88.6	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	3in.	2in.
SWLB-450	62.9	102.5	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	3in.	2in.
SWLB-500	62.9	102.5	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-550	62.9	102.5	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-600	62.9	102.5	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.

Plate Type Evaporative Condenser Technical Data

SWLB-650~1200

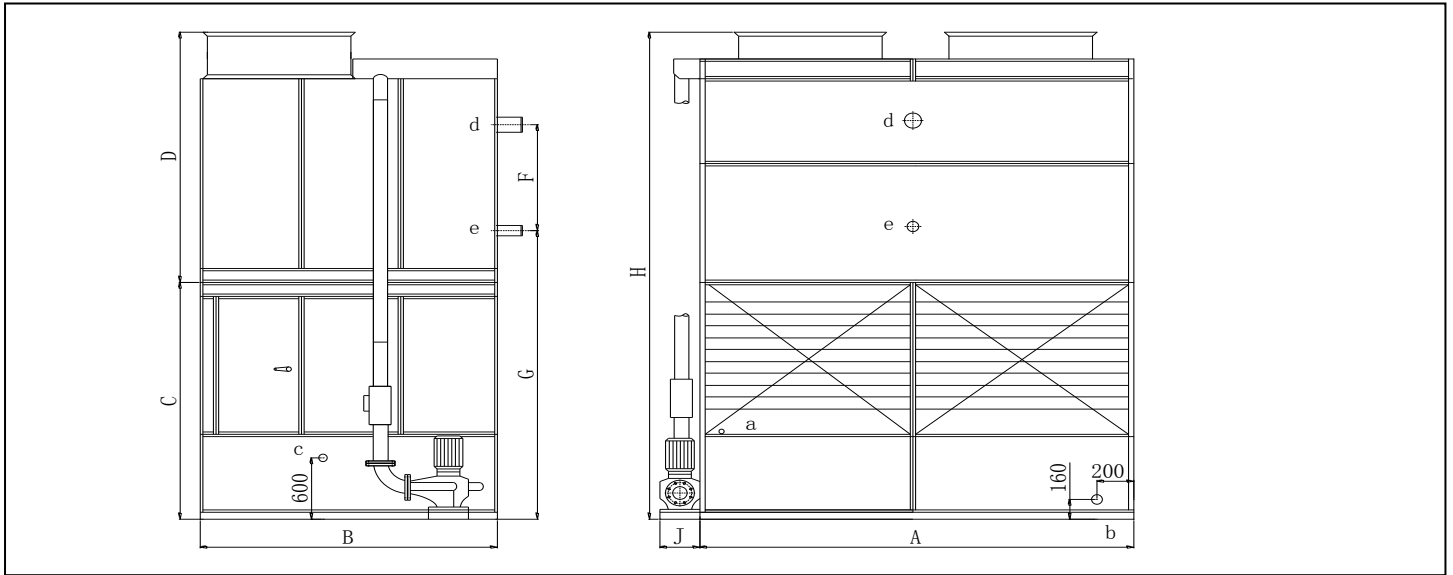


Table 3

Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int. Vol.	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-650	650 / 184.1	1	1×41789	7.5	440.2	3	61.6	6283	11464
SWLB-700	700 / 199.0	1	1×41789	7.5	440.2	3	64.9	6613	12125
SWLB-750	750 / 213.3	1	1×45320	7.5	440.2	3	70.3	6944	12786
SWLB-800	800 / 227.5	1	1×51206	7.5	440.2	3	77.0	7275	13448
SWLB-850	850 / 241.7	1	1×51206	7.5	660.5	5.0	83.0	7716	14105
SWLB-900	900 / 255.9	1	1×58857	7.5	660.5	5.0	88.4	8046	15432
SWLB-950	950 / 270.1	1	1×58857	7.5	660.5	5.0	95.1	8377	16093
SWLB-1000	1000 / 284.3	1	1×58857	7.5	660.5	5.0	100.4	8730	16765
SWLB-1100	1100 / 312.8	2	2×31076	5.0	660.5	5.0	107.8	9259	18077
SWLB-1200	1200 / 341.2	2	2×35314	7.5	660.5	5.0	123.9	9920	19400

Table 4

Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-650	73.2	106.3	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-700	73.2	106.3	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-750	73.2	110	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-800	73.2	110	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-850	85.1	110	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-900	85.1	114.2	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-950	85.1	114.2	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1000	131.9	88.6	80.1	84.7	35.8	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1100	131.0	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1200	131.9	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.

Plate Type Evaporative Condenser Technical Data



SWLB-1300~2000

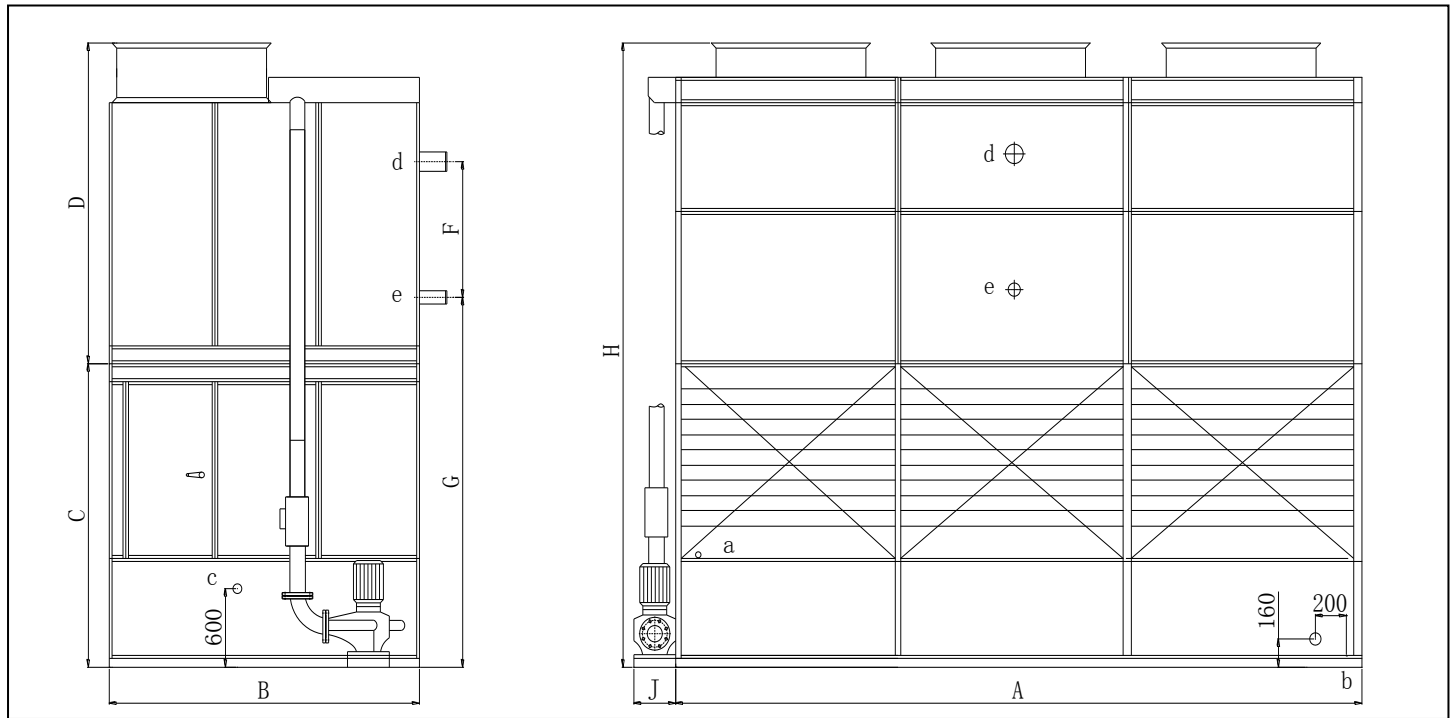


Table 5

Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int. Vol	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-1300	1300 / 369.6	2	2×38258	7.5	660.5	5.0	135.2	10582	20723
SWLB-1400	1400 / 398.1	2	2×38258	7.5	660.5	5.0	147.3	11243	22046
SWLB-1500	1500 / 426.5	3	3×32674	5.0	795	5.0	159.3	11904	23600
SWLB-1600	1600 / 455.0	3	3×35314	7.5	795	5.0	170.1	12566	24368
SWLB-1700	1700 / 483.4	3	3×35314	7.5	1026	7.5	181.4	13227	26013
SWLB-1800	1800 / 511.8	3	3×35314	7.5	1026	7.5	191.5	14330	27337
SWLB-2000	2000 / 568.7	3	3×38258	7.5	1026	7.5	210.9	15211	28982

Table 6

Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-1300	151.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1400	151.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1500	171.3	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1600	171.3	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1700	210.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-1800	210.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4in.	3in.
SWLB-2000	210.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×4in.	2×3in.

Plate Type Evaporative Condenser Technical Data



SWLB-2100~2600

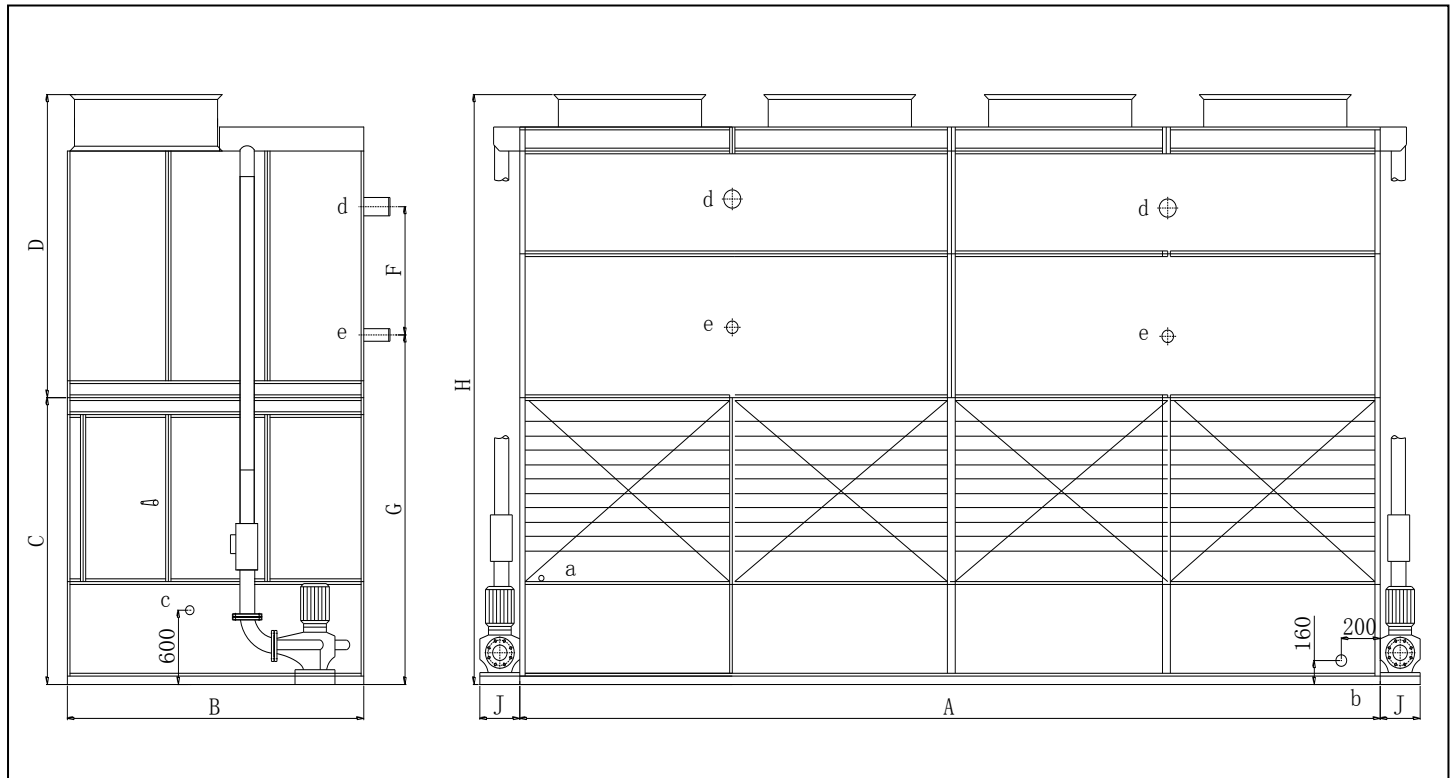


Table 7

Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int. vol	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-2100	2100 / 597.1	4	4×35314	7.5	2×660.5	2×5.0	210.9	18290	29117
SWLB-2200	2200 / 625.6	4	4×35314	7.5	2×660.5	2×5.0	214.2	18534	32628
SWLB-2300	2300 / 654.0	4	4×35314	7.5	2×660.5	2×5.0	233.0	20723	34321
SWLB-2400	2400 / 682.4	4	4×35314	7.5	2×660.5	2×5.0	248.4	17857	35274
SWLB-2500	2500 / 710.9	4	4×38258	7.5	2×795	2×5.0	251.1	21980	37526
SWLB-2600	2600 / 739.3	4	4×38258	7.5	2×795	2×5.0	273.2	19180	38140

Table 8

Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-2100	230.3	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×4in.	2×3in.
SWLB-2200	230.3	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×4in.	2×3in.
SWLB-2300	250.2	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×4in.	2×3in.
SWLB-2400	250.0	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×4in.	2×3in.
SWLB-2500	269.7	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×4in.	2×3in.
SWLB-2600	269.7	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×4in.	2×3in.

Plate Type Evaporative Condenser Technical Data



SWLB-2700~3000

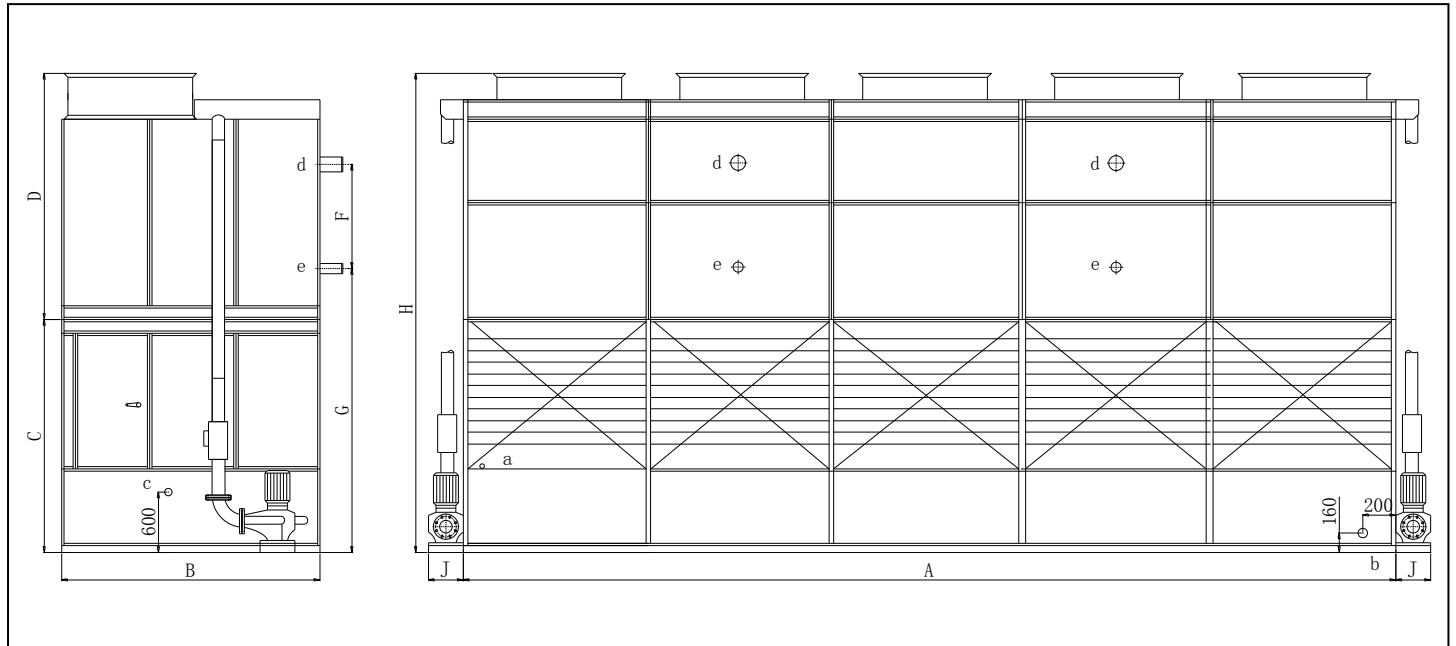


Table 9

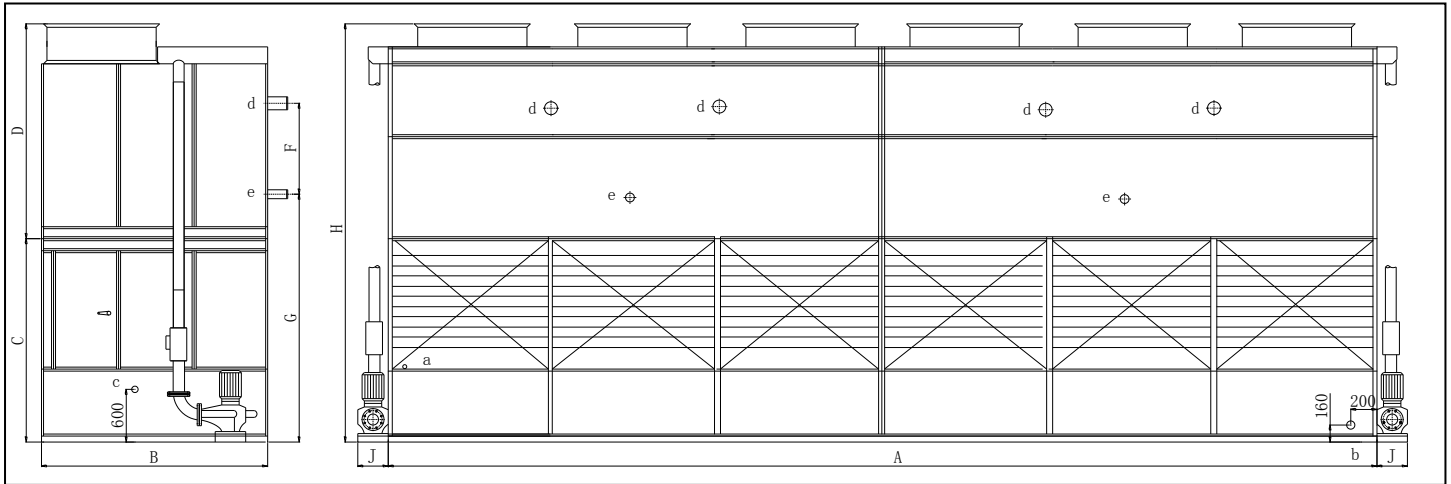
Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int Vol.	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-2700	2700 / 767.7	5	5×35314	7.5	2×795	2×5.0	278/8	20259	35171
SWLB-2800	2800 / 796.2	5	5×35314	7.5	2×795	2×5.0	285.2	20503	41006
SWLB-3000	3000 / 853.0	5	5×35314	7.5	2×795	2×5.0	299.9	21825	43652

Table 10

Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-2700	279.5	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×5in.	2×4in.
SWLB-2800	309.1	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×5in.	2×4in.
SWLB-3000	309.1	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	2×5in.	2×4in.

Plate Type Evaporative Condenser Technical Data

SWLB- 3100 - 3600



Graph 11

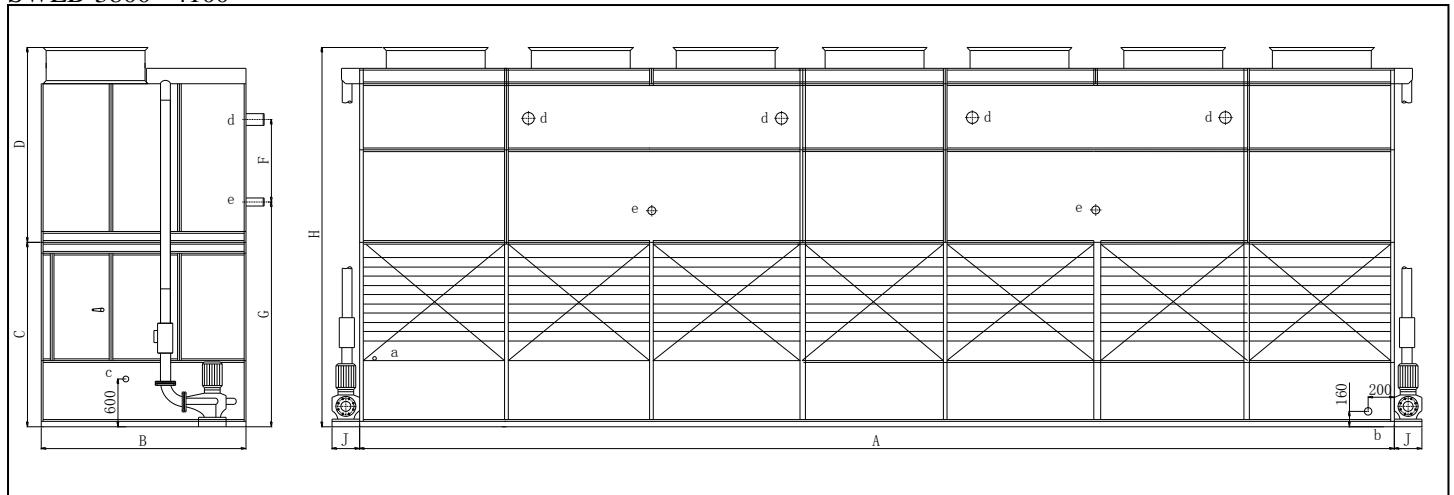
Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int. Vol.	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-3100	3100 / 881.5	6	6×35314	7.5	2×795	2×5.0	306.6	26345	40785
SWLB-3200	3200 / 909.9	6	6×35314	7.5	2×1026	2×7.5	320.7	26148	46297
SWLB-3300	3300 / 938.3	6	6×35314	7.5	2×1026	2×7.5	327.4	27888	42549
SWLB-3400	3400 / 966.8	6	6×35314	7.5	2×1026	2×7.5	344.1	28880	44974
SWLB-3500	3500 / 995.2	6	6×35314	7.5	2×1026	2×7.5	352.8	29762	47840
SWLB-3600	3600 / 1023.6	6	6×35314	7.5	2×1026	2×7.5	358.9	28794	51588

Graph 12

Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-3100	338.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.
SWLB-3200	338.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.
SWLB-3300	338.6	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.
SWLB-3400	368.1	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.
SWLB-3500	368.1	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.
SWLB-3600	368.1	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.

Plate Type Evaporative Condenser Technical Data

SWLB-3800 ~4100



Graph 13

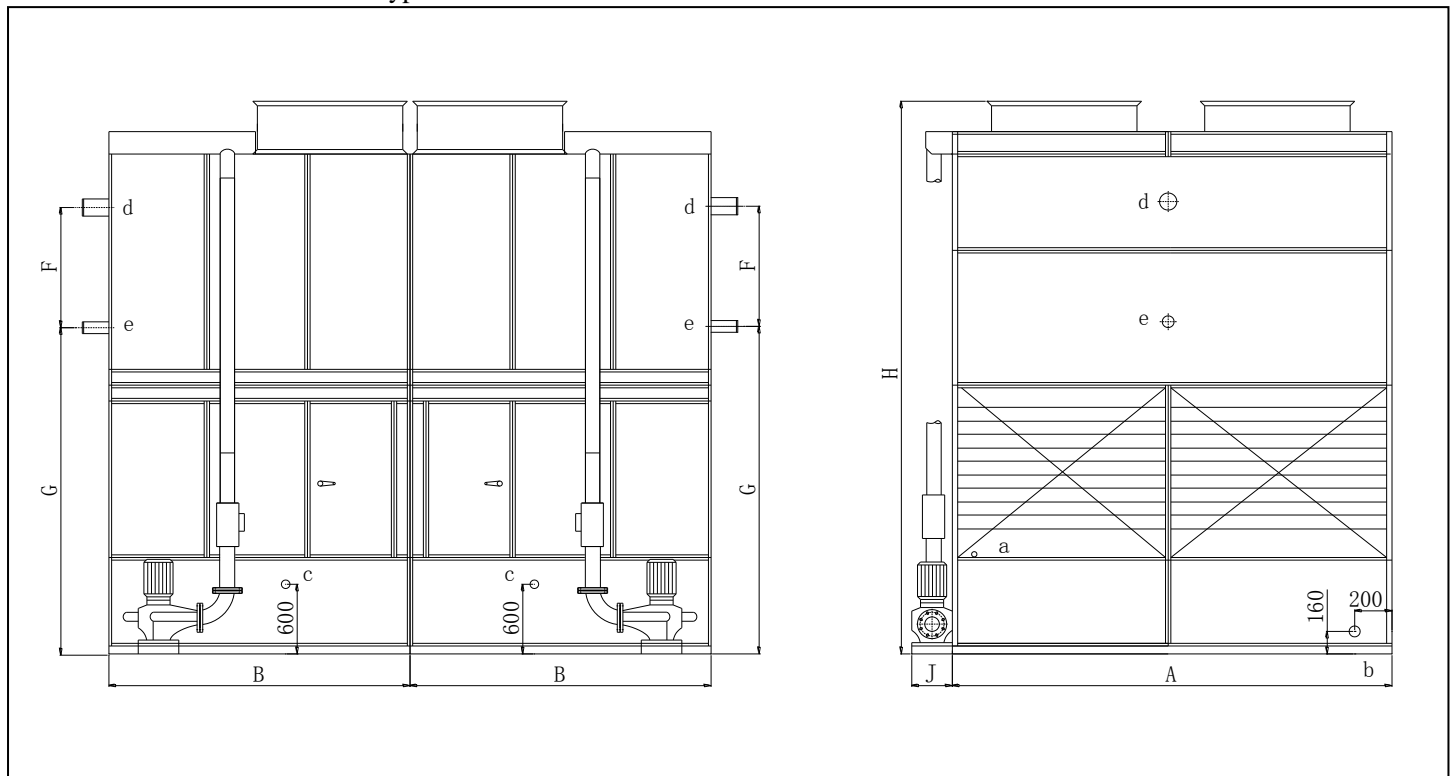
Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int. Vol	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-3800	3800 / 1080.5	7	7×35314	7.5	2×1026	2×7.5	372.9	36817	62994
SWLB-4000	4000 / 1137.4	7	7×35314	7.5	2×1026	2×7.5	397.7	38580	72752
SWLB-4100	4100 / 1165.8	7	7×35314	7.5	2×1026	2×7.5	407.7	39815	73855

Graph 14

Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-3800	397.5	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.
SWLB-4000	397.5	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.
SWLB-4100	397.5	88.6	80.1	84.7	40.2	97.6	164.7	11	1in.	2in..	2.5in.	4×5in.	2×4in.

Plate Type Evaporative Condenser Technical Data

SWLB-2200~2800 (Combined Type)



Graph 15

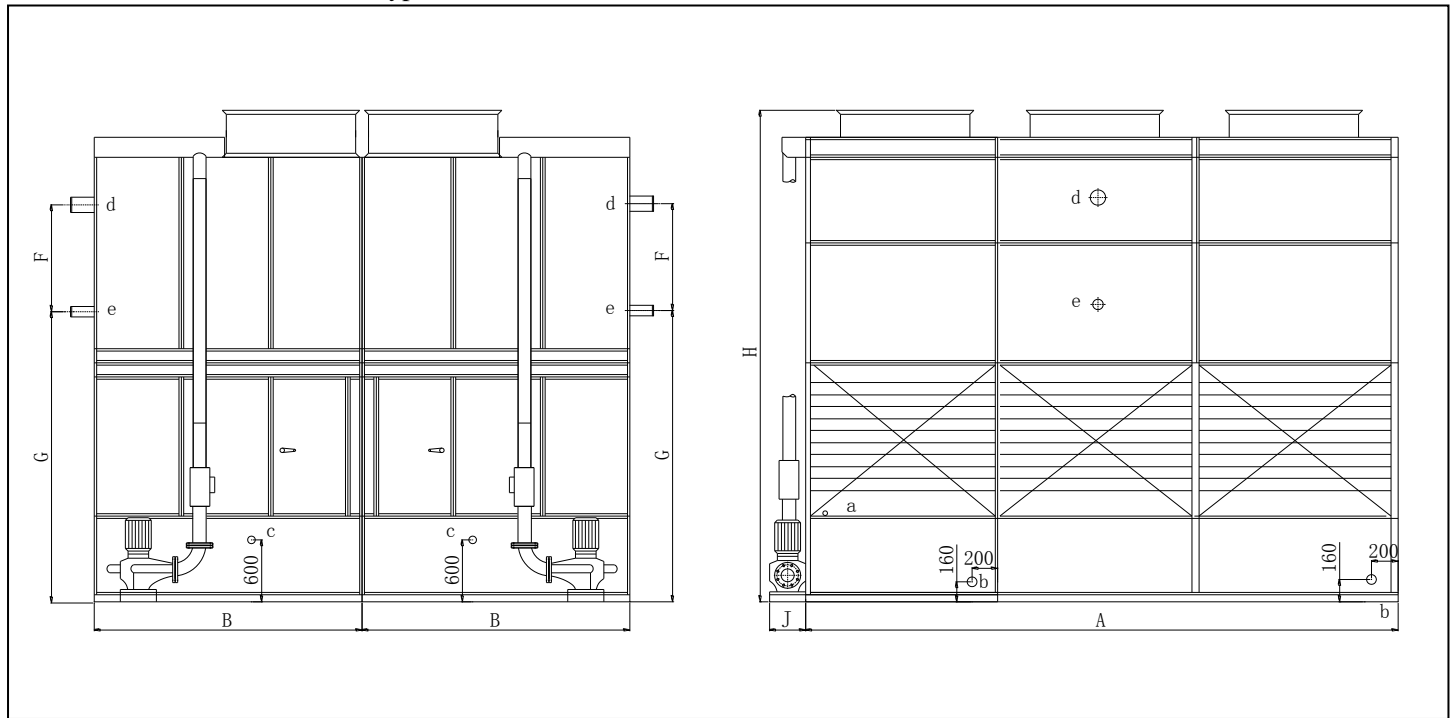
Type	Nominal Heat Rejection kW / TR	Propeller Fan			Water Circulating Pump		Int. Vol. cf	Shipping Weight lb.	Operating Weight lb.
		Quantity	Air flow Rate CFM	Power HP	Flow Rate GPM	Power HP			
		Unit							
SWLB-2200	2200 / 625.6	4	4×31076	5.0	2×660.5	2×5.0	215.6	18519	36156
SWLB-2400	2400 / 682.4	4	4×35314	7.5	2×660.5	2×5.0	247.7	19842	38801
SWLB-2600	2600 / 739.3	4	4×38258	7.5	2×660.5	2×5.0	271.8	21164	41447
SWLB-2800	2800 / 796.2	4	4×38258	7.5	2×660.5	2×5.0	295.2	22487	44092

Graph 16

Type	Dimensions								Make-up Water a	Drain b	Overflow c	Vapor Inlet d	Liquid Outlet e
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-2200	131.9	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.
SWLB-2400	131.9	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.
SWLB-2600	151.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.
SWLB-2800	151.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.

Plate Type Evaporative Condenser Technical Data

SWLB-3000~4000 (Combined Type)



Graph 17

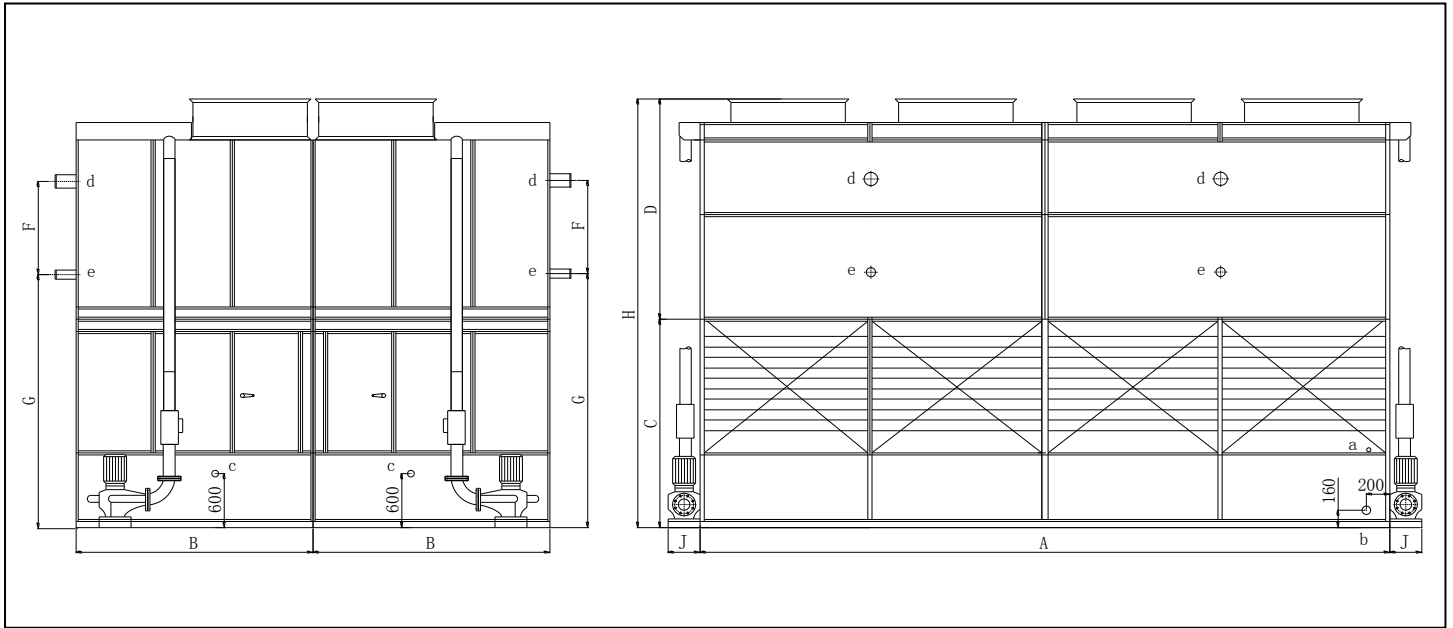
Type	Nominal Heat Rejection kW / TR	Propeller Fan			Water Circulating Pump		Int. Vol. cf	Shipping Weight lb.	Operating Weight lb.
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-3000	3000 / 853.0	6	6×31076	5.0	2×795	2×5.0	318.7	23809	46738
SWLB-3200	3200 / 909.9	6	6×35314	7.5	2×795	2×5.0	339.4	25133	49383
SWLB-3400	3400 / 966.8	6	6×35314	7.5	2×1026	2×7.5	362.9	26455	52059
SWLB-3600	3600 / 1023.6	6	6×35314	7.5	2×1026	2×7.5	383.6	27770	54674
SWLB-4000	4000 / 1137.4	6	6×38258	7.5	2×1026	2×7.5	422.5	30423	59965

Graph 18

Type	Dimensions								Make-up Water a	Drain b	Overflow c	Vapor Inlet d	Liquid Outlet e
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-3000	181.1	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.
SWLB-3200	181.1	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.
SWLB-3400	181.1	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.
SWLB-3600	210.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.
SWLB-4000	210.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	2×4in.	2×3in.

Plate Type Evaporative Condenser Technical Data

SWLB-4400~5200



Graph 19

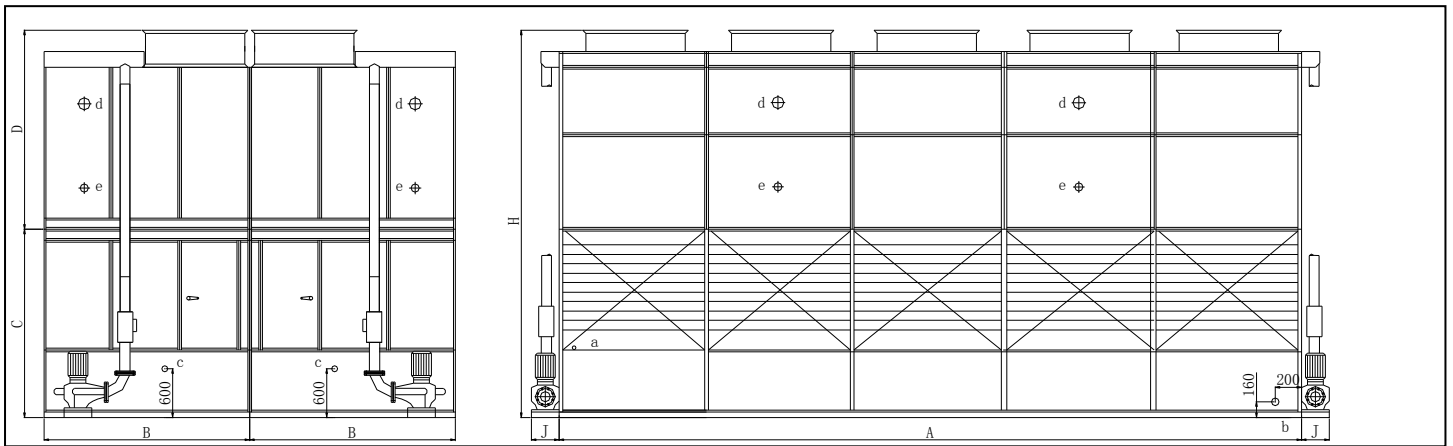
Type	Nominal Heat Rejection	Propeller Fan			Water Circulating Pump		Int. Vol.	Shipping Weight	Operating Weight
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-4400	4400 / 1251.1	8	8×35314	7.5	4×660.5	4×5.0	460.6	33069	65257
SWLB-4800	4800 / 1364.9	8	8×35314	7.5	4×660.5	4×5.0	496.1	35715	70549
SWLB-5200	5200 / 1478.6	8	8×38258	7.5	4×795	4×5.0	546.3	38360	75925

Graph 20

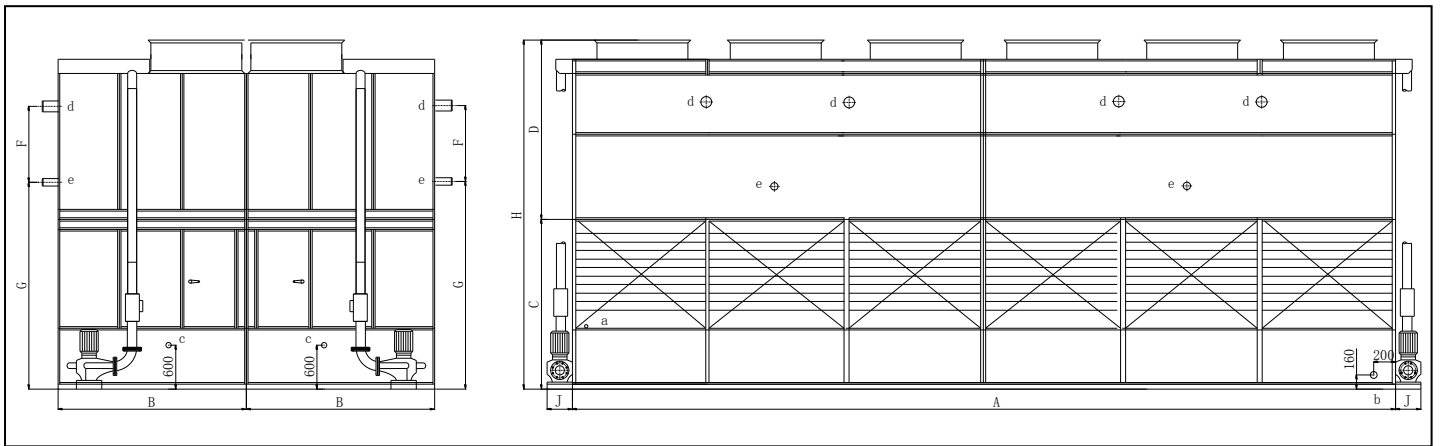
Type	Dimensions								Make-up Water	Drain	Overflow	Vapor Inlet	Liquid Outlet
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-4400	230.3	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	4×5in.	4×4in.
SWLB-4800	269.7	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	4×5in.	4×4in.
SWLB-5200	269.7	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	4×5in.	4×4in.

Plate Type Evaporative Condenser Technical Data

SWLB-5600~6000



SWLB-6400~7200



Graph 21

Type	Nominal Heat Rejection kW / TR	Propeller Fan			Water Circulating Pump		Int. Vol. cf	Shipping Weight lb.	Operating Weight lb.
		Quantity	Air flow Rate	Power	Flow Rate	Power			
		Unit	CFM	HP	GPM	HP			
SWLB-5600	5600 / 1592.3	10	10×35314	7.5	4×795	4×5.0	569.7	41005	82012
SWLB-6000	6000 / 1706.1	10	10×35314	7.5	4×795	4×5.0	599.2	43651	87302
SWLB-6400	6400 / 1919.8	12	12×35314	7.5	4×1026	4×7.5	640.7	46297	88694
SWLB-6800	6800 / 1933.5	12	12×35314	7.5	4×1026	4×7.5	687.6	50761	91948
SWLB-7200	7200 / 2047.3	12	12×35314	7.5	4×1026	4×7.5	723.7	51588	103176

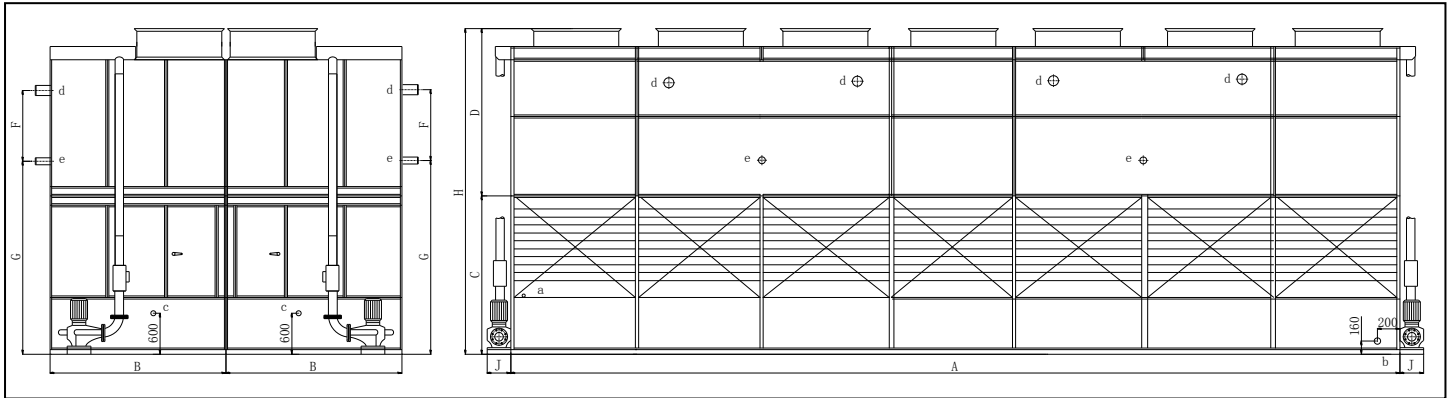
Graph 22

Type	Dimensions								Make-up Water a	Drain b	Overflow c	Vapor Inlet d	Liquid Outlet e
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-5600	336.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	4×5in.	4×4 in.
SWLB-6000	336.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	4×5in.	4×4 in.
SWLB-6400	336.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	8×5in.	4×4 in.
SWLB-6800	368.9	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	8×5in.	4×4 in.
SWLB-7200	368.9	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	8×5in.	4×4 in.

Plate Type Evaporative Condenser Technical Data



SWLB-7600~8200



Graph 23

Type	Nominal Heat Rejection Kw / TR	Propeller Fan			Water Circulating Pump		Int. Vol. cf	Shipping Weight lb.	Operating Weight lb.
		Quantity	Air Flow Rate CFM	Power HP	Flow Rate GPM	Power HP			
		Unit							
SWLB-7600	7600 / 2161.0	14	14×35314	7.5	4×1026	4×7.5	758.5	73664	125883
SWLB-8200	8200 / 2331.6	14	14×35314	7.5	4×1026	4×7.5	814.1	79631	147709

Graph 24

Type	Dimensions								Make-up Water a	Drain b	Overflow c	Vapor Inlet d	Liquid Outlet e
	A	B	C	D	F	G	H	J					
	in.	in.	in.	in.	in.	in.	in.	in.					
SWLB-7600	397.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	8×5in.	4×4 in.
SWLB-8200	397.6	2×88.6	80.1	84.7	40.2	97.6	164.7	11	2×1in.	2×2in..	2×2.5in.	8×5in.	4×4 in.



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