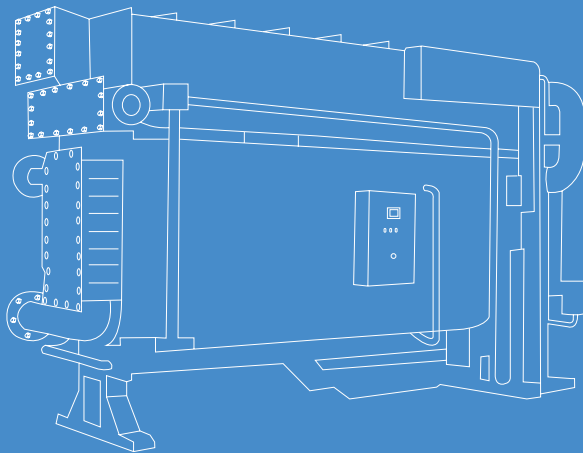


KELVIN **Clim** KSA

Cooling Capacity: 100 ~ 1500 USRT



Double Effect Steam Fired Absorption Chiller

KELVIN Clim KSA

KELVIN Clim KSA : Double Effect Steam Fired Absorption Chiller
 Cooling Capacity: 100 ~ 1500 USRT



KELVIN AIRCONDITIONING



Eco friendly and energy-saving design

KSA uses steam as the energy resource, LiBr as absorbent and water as refrigerant. With use of eco friendly materials, KSA does not raise the carbon dioxide which causes the global warming. The cost for electricity and operation can be saved in the area where steam is enough to use.

Reliable and efficient operation

KSA is designed to enhance the reliability and durability. Inver control of absorbent depending on cooling load makes efficient operation.

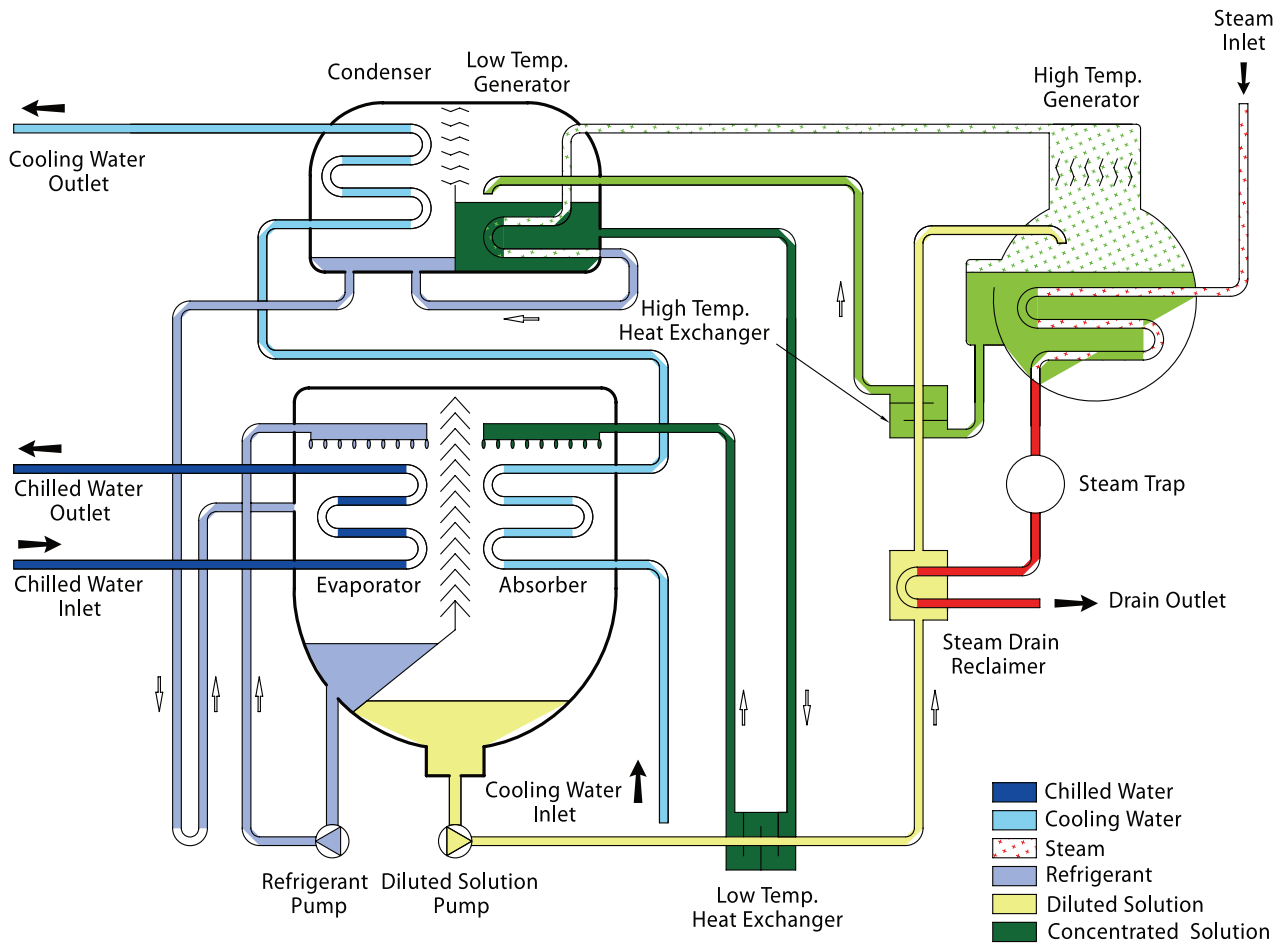
Intelligent operation system

Micro process control realizes precise contro and efficient operation of the unit. And the user can operate the unit easily on the touch screen.

Steam Consumption: 3.5kg/h-RT - 4.4kg/h-RT

CYCLE DIAGRAM

Double Effect Steam Fired Absorption Chiller



> SPECIFICATION

Double Effect Steam Fired Absorption Chiller

Model		Unit	KSA 010	KSA 012	KSA 015	KSA 018	KSA 021	KSA 024	KSA 028	KSA 032	KSA 036	KSA 040		
Cooling capacity	USRT		100	120	150	180	210	240	280	320	360	400		
	kW		252	422	528	633	739	844	985	1,125	1,266	1,407		
Chilled Water	Temp.	°C	12/7°C											
	Flow rate	ton/h	60.5	72.6	90.7	108.9	127.0	145.2	169.3	193.5	217.7	241.9		
	P. Drop	mAq	6.5	6.4	8.0	8.3	7.5	7.9	5.1	5.5	5.8	6.1		
	Connection	mm	100				125			150				
Cooling Water	Temp.	°C	32/37.5°C											
	Flow rate	m ³ /h	100	120	150	180	210	240	280	320	360	400		
	P. Drop	mAq	3.9	4.4	6.5	7.7	5.6	6.2	10.9	12.1	8.7	9.4		
	Connection	mm	125				150			200				
Steam	Flow rate	kg/h	440	530	660	790	920	1060	1230	1410	1580	1760		
	Steam Inlet onnect.	mm	50				65				80			
	Drain Outlet onnect.	mm	25									40		
	Control Valve Size	mm	25	40				50						
	Power Source		3Ø 400V 50Hz											
	Abs. Pump #1	kW(A)	2.0 (6.0)				2.4 (7.5)			3.0 (11.0)		3.4 (10.2)		
Abs. Pump #2	kW(A)	0.4 (1.6)				1.2 (4.5)				1.5 (5.0)				
Ref. Pump	kW(A)	0.3 (1.5)				0.4 (1.5)								
Purge Pump	kW(A)	0.4 (1.4)												
Control Panel	kW(A)	6.20.2 (0.5)												
Size	Total Ampere	A	11.0				15.4			18.9		18.6		
	Length(L)	mm	2.632	2.832	3.644		3.670			4.720		4.860		
	Length(L)	mm	1775				1860				2110			
	Height(H)	mm	2.030				2.300				2.550			
Weight	Height(H)	Ton	3.9	4.1	5.1	5.2	6.2	6.4	7.7	8.2	9.5	10.1		
	Operation	Ton	4.3	4.5	5.6	5.8	6.9	7.2	8.6	9.0	11.0	11.4		
Space for Tube Replacement		mm	2.400			3.400				4.500				

Note

- 1 USRT = 3,024 kcal/h
- 2 Standard Steam Pressure is 0.8MPa
- 3 Working Pressure of chilled water and cooling water side is based on 1.0MPaPa
- 4 Fouling factor 0.0001 m²·h·°C/kcal for Absorber and Condenser, 0.0001 m²·h·°C/kcal for Evaporator.
- 5 Catalogue specifications are subject to change without prior notice.

› SPECIFICATION

Double Effect Steam Fired Absorption Chiller

KSA 045	KSA 050	KSA 056	KSA 063	KSA 070	KSA 080	KSA 090	KSA 100	KSA 110	KSA 120	KSA 130	KSA 140	KSA 150
450	500	560	630	700	800	900	1000	1100	1200	1300	1400	1500
1.583	1.753	1.969	2.216	2.462	2.814	3.165	3.517	3.869	4.220	4.572	4.924	5.275
12/7°C												
272.2	302.4	338.7	381.0	423.4	483.8	544.3	604.8	656.3	725.8	786.2	846.7	907.2
5.2	5.5	4.6	6.2	8.1	4.7	6.4	8.4	6.2	7.9	9.8	8.0	9.8
200				250				300			350	
32/37.5°C												
450	500	560	630	423.4	800	900	1000	1100	1200	1300	1400	1500
10.3	11.2	7.1	9.4	12.1	8.4	11.1	14.3	8.8	10.9	13.4	12.3	14.6
250		300			350			400				
1980	2200	2460	2770	3080	3520	3960	4400	4840	5280	5720	6160	6600
			100			125			150			
			50			65			80			
65				80				100				
3Ø 400V 50Hz												
3.4 (10.2)		5.5 (20.0)			6.6 (16.2)			7.5 (25.0)				
1.5 (5.0)		2.0 (6.0)			2.0 (7.0)			4.5 (16.0)				
0.4 (1.5)				1.5 (4.0)								
0.4 (1.4)												
0.2 (0.5)												
18.6		29.4			29.1			46.9				
4.910	5.040	5.580	6.780	5.720	6.220	6.740	6.150	6.670	7.170	6.830	7.330	
2.250		2.480			2.825			3.000			3.250	
2.780		3.255			3.400			3.600			3.650	
11.8	12.1	16.6	18.1	19.4	24.6	26.3	28.3	31.8	33.9	35.8	39.6	41.8
13.5	13.9	19.2	20.8	22.3	28.7	30.7	32.8	36.4	38.8	40.9	45.3	47.7
4.500			5.200	5.700	5.200	5.700	6.200	5.700	6.200	6.700	6.200	6.700

Note

- 1 USRT = 3,024 kcal/h
- 2 Standard Steam Pressure is O.BM
- 3 Working Pressure of chilled water and cooling water side is based on 1.0MPaPa
- 4 Fouling factor 0.0001 m²·h·°C/kcal for Absorber and Condenser, 0.0001 m²·h·°C/kcal for Evaporator.
- 5 Catalogue specifications are subject to change without prior notice.

