

Cascade & Double Effect Steam Absorption Chiller for District Heating and Cooling

Specifications: HAU-W 750SN- 1500SN (8 kg/cm² G Steam Pressure Model)

(Chilled Water: Inlet: 13° C, Outlet: 6° C / Cooling Water: Inlet: 32° C, Outlet: 40° C)

Model type HAU-W			750SN	850SN	1000SN	1120SN	1400SN	1500SN	
Cooling Capacity		USRT	600	700	800	1000	1200	1300	
		kW	2110	2462	2813	3516	4220	4571	
Chilled Water	Temperature	°C	Inlet: 13° C, Outlet 6° C						
	Flow rate	m ³ /h	259.2	302.4	345.6	432	518.4	561.6	
	Pressure drop	kPa (mAq)	6.0	9.5	6.0	10.0	6.0	7.5	
	Connection pipe nominal size	A	200	250	250	250	300	350	
	Number of pass	-	2	2	2	2	2	2	
Cooling Water	Temperature	°C	Inlet: 32° C, Outlet: 40° C						
	Flow rate	m ³ /h	415	484	553	692	830	899	
	Pressure drop	kPa (mAq)	5.0	8.0	5.0	9.0	6.0	7.5	
	Connection pipe nominal size	A	250	250	300	300	400(300X2)	450(350X2)	
	Number of pass	-	1+1	1+1	1+1	1+1	1+1	1+1	
Electrical Capacity	Supply (400V 50/60Hz 3)	kVA	27		38		52		
	Solution pumps	kW	9.9 (5.5+2.2x2)		14.9 (7.5+3.7x2)		19.8 (5.5x2+2.2x4)		
	Refrigerant pump(s)	kW	1.5	1.5	1.5	1.5	3 (1.5x2)		
	Vacuum pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	
Steam	Steam consumption rate	kg/h	2580	3010	3440	4300	5160	5590	
	Inlet piping size	A	100		125		125x2		
	Outlet piping size	A	32				32x2		
External Dimensions	Integrated	Length (L)	mm	8000	9000	8100	9100	7600	8100
		Width (W)	mm	1900(except Control Panel)				3500 (except Control Panel)	
		Height (H)	mm	2900	2900	3300	3300	2900	2900
	Maximum of Split Units	Length (L)	mm	8000	9000	8100	9100	7600	8100
		Width (W)	mm	1900	1900	1900	1900	1900	1900
		Height (H)	mm	2900	2900	3300	3300	2900	2900
Operating Mass (weight)		t	31.3	34.6	37.3	41.7	59.4	62.6	
Rigging Mass (weight)	Integrated	t	28.5	31.5	34.0	38.0	-	-	
	Split Units	t	-	-	-	-	27.0	28.5	
Insulating Area	Hot insulation	m ²	29	33	33	38	54	58	
	Cold insulation	m ²	21	25	29	33	40	43	
Contained Water Volume	Chilled water	L	1200	1300	1400	1600	2200	2300	
	Cooling water	L	1600	1800	1900	2100	3100	3200	

Cascade & Double Effect Steam Absorption Chiller for District Heating and Cooling

Specifications: HAU-W 1600SN-2800SN (8 kg/cm² G Steam Pressure Model)

(Chilled Water: Inlet: 13° C, Outlet: 6° C / Cooling Water: Inlet: 32° C, Outlet: 40° C)

Model type HAU-W			1600SN	1700SN	2000SN	2240SN	2500SN	2800SN	
Cooling Capacity		USRT	1400	1500	1750	2000	2240	2500	
		kW	4923	5274	6153	7032	7876	8790	
Chilled Water	Temperature	°C	Inlet: 13° C, Outlet 6° C						
	Flow rate	m ³ /h	604.8	648	756	864	967.7	1080	
	Pressure drop	kPa (mAq)	9.0	11.0	9.0	10.0	12.5	16.5	
	Connection pipe nominal size	A	350	350	350	350	400	400	
	Number of pass	-	2	2	2	2	2	2	
Cooling Water	Temperature	°C	Inlet: 32° C, Outlet: 40° C						
	Flow rate	m ³ /h	968	1038	1211	1384	1550	1730	
	Pressure drop	kPa (mAq)	9.0	10.5	8.0	8.0	10.0	13.0	
	Connection pipe nominal size	A	450(350X2)		400(300X2)	450(350X2)		500(400X2)	
	Number of pass	-	1+1	1+1	1+1	1+1	1+1	1+1	
Electrical Capacity	Supply (400V 50/60Hz 3)	KVA	52		74		95		
	Solution pumps	KW	19.8 (5.5x2+2.2x4)		29.8(7.5x2+3.7x4)		37.0(7.5x2+5.5x4)		
	Refrigerant pump(s)	kW	3 (1.5x2)		3 (1.5x2)		3 (1.5x2)		
	Vacuum pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	
Steam	Steam consumption rate	kg/h	6020	6450	7525	8600	9632	10750	
	Inlet piping size	A	125x2		125x2		150x2		
	Outlet piping size	A	32x2		32x2		40x2		
External Dimensions	Integrated	Length (L)	mm	8600	9100	8000	9000	10200	11200
		Width (W)	mm	3500 (except Control Panel)					
		Height (H)	mm	3100	3100	3500	3500	3500	3500
	Maximum of Split Units	Length (L)	mm	8600	9100	8000	9000	10200	11200
		Width (W)	mm	1900	1900	1900	1900	1900	1900
		Height (H)	mm	2900	2900	3300	3300	3300	3300
Operating Mass (weight)		t	65.8	69.0	75.0	84.0	92.0	98.0	
Rigging Mass (weight)	Integrated	t	-	-	-	-	-	-	
	Split Units	t	30.0	31.5	34.0	38.0	42.0	37.0	
Insulating Area	Hot insulation	m ²	62	66	66	75	86	96	
	Cold insulation	m ²	46	49	58	66	72	78	
Contained Water Volume	Chilled water	L	1200	1300	1400	1600	2200	2300	
	Cooling water	L	1600	1800	1900	2100	3100	3200	

Cascade & Double Effect Steam Absorption Chiller for District Heating and Cooling

Specifications: HAU-W 700SN- 1500SN (8 kg/cm² G Steam Pressure Model)

(Chilled Water: Inlet: 13° C, Outlet: 6° C / Cooling Water: Inlet: 32° C, Outlet: 38° C)

Model type HAU-W			700SN	800SN	1000SN	1120SN	1400SN	1500SN	
Cooling Capacity		USRT	600	700	800	1000	1300	1400	
		kW	2110	2462	2813	3516	4571	4923	
Chilled Water	Temperature	°C	Inlet: 13° C, Outlet 6° C						
	Flow rate	m ³ /h	259.2	302.4	345.6	432	561.6	604.8	
	Pressure drop	kPa (mAq)	6.0	9.0	6.0	10.0	7.0	8.5	
	Connection pipe nominal size	A	200	250	250	250	300	350	
	Number of pass	-	2	2	2	2	2	2	
Cooling Water	Temperature	°C	Inlet: 32° C, Outlet: 38° C						
	Flow rate	m ³ /h	553	646	738	922	1199	1291	
	Pressure drop	kPa (mAq)	8.0	11.0	7.0	9.0	7.2	8.8	
	Connection pipe nominal size	A	300	300	350	350	400(300X2)	450(350X2)	
	Number of pass	-	1+1	1+1	1+1	1+1	1+1	1+1	
Electrical Capacity	Supply (400V 50/60Hz 3)	kVA	27		38		52		
	Solution pumps	kW	9.9 (5.5+2.2x2)		14.9 (7.5+3.7x2)		19.8 (5.5x2+2.2x4)		
	Refrigerant pump(s)	kW	1.5	1.5	1.5	1.5	3 (1.5x2)		
	Vacuum pump	kW	0.4	0.4	0.4	0.4	0.4		
Steam	Steam consumption rate	kg/h	2580	3010	3440	4300	5590	6020	
	Inlet piping size	A	100		125		125x2		
	Outlet piping size	A	32				32x2		
External Dimensions	Integrated	Length (L)	mm	7500	8500	8100	9100	7600	8100
		Width (W)	mm	1900(except Control Panel)				3500 (except Control Panel)	
		Height (H)	mm	2900	2900	3300	3300	3300	3100
	Maximum of Split Units	Length (L)	mm	7500	8500	8100	9100	7600	8100
		Width (W)	mm	1900	1900	1900	1900	1900	1900
		Height (H)	mm	2900	2900	3300	3300	2900	2900
Operating Mass (weight)		t	29.7	32.9	37.3	41.7	59.4	62.6	
Rigging Mass (weight)	Integrated	t	27.0	30.0	34.0	38.0	-	-	
	Split Units	t	-	-	-	-	27.0	28.5	
Insulating Area	Hot insulation	m ²	27	31	33	38	54	58	
	Cold insulation	m ²	20	23	29	33	40	43	
Contained Water Volume	Chilled water	L	1100	1200	1400	1600	2200	2300	
	Cooling water	L	1400	1700	1900	2100	3100	3200	

Cascade & Double Effect Steam Absorption Chiller for District Heating and Cooling

Specifications: HAU-W 1600SN- 2800SN (8 kg/cm² G Steam Pressure Model)

(Chilled Water: Inlet: 13°C, Outlet: 6°C / Cooling Water: Inlet: 32°C, Outlet: 38°C)

Model type HAU-W			1600SN	1700SN	2000SN	2240SN	2500SN	2800SN	
Cooling Capacity		USRT	1500	1600	1750	2000	2240	2500	
		kW	5274	5626	6153	7032	7876	8790	
Chilled Water	Temperature	°C	Inlet: 13°C, Outlet 6°C						
	Flow rate	m ³ /h	6400	691.2	756	864	967.7	1080	
	Pressure drop	kPa (mAq)	10.5	12.2	8.5	10.0	12.5	16.5	
	Connection pipe nominal size	A	350	350	350	350	400	400	
	Number of pass	-	2	2	2	2	2	2	
Cooling Water	Temperature	°C	Inlet: 32°C, Outlet: 38°C						
	Flow rate	m ³ /h	1383	1476	1614	1845	2066	2305	
	Pressure drop	kPa (mAq)	10.3	11.5	8.5	10.0	12.0	14.5	
	Connection pipe nominal size	A	450(350X2)			500(400X2)		550(450X2)	
	Number of pass	-	1+1	1+1	1+1	1+1	1+1	1+1	
Electrical Capacity	Supply (400V 50/60Hz 3)	kVA	52		74		95		
	Solution pumps	kW	19.8 (5.5x2+2.2x4)		29.8(7.5x2+3.7x4)		37.0(7.5x2+5.5x4)		
	Refrigerant pumps	kW	3 (1.5x2)		3 (1.5x2)		3 (1.5x2)		
	Vacuum pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	
Steam	Steam consumption rate	kg/h	6450	6880	7525	8600	9632	10750	
	Inlet piping size	A	125x2		125x2		150x2		
	Outlet piping size	A	32x2		32x2		40x2		
External Dimensions	Integrated	Length (L)	mm	8600	9100	8000	9200	10200	11200
		Width (W)	mm	3500 (except Control Panel)					
		Height (H)	mm	3100	3100	3500	3500	3500	3500
	Maximum of Split Units	Length (L)	mm	8600	9100	8000	9200	10200	11200
		Width (W)	mm	1900	1900	1900	1900	1900	1900
		Height (H)	mm	2900	2900	3300	3300	3300	3300
Operating Mass (weight)		t	65.8	69.0	75.0	84.0	92.0	98.0	
Rigging Mass (weight)	Integrated	t	-	-	-	-	-	-	
	Split Units	t	30.0	31.5	34.0	38.0	42.0	37.0	
Insulating Area	Hot insulation	m ²	62	66	66	75	86	96	
	Cold insulation	m ²	46	49	58	66	72	78	
Contained Water Volume	Chilled water	L	2400	2500	3300	3500	3700	3900	
	Cooling water	L	3400	3500	4400	4700	5000	5300	

Cascade & Double Effect Steam Absorption Chiller for District Heating and Cooling

Specifications: HAU-W 700SN- 1400SN (8 kg/cm² G Steam Pressure Model)

(Chilled Water: Inlet: 14° C, Outlet: 7° C / Cooling Water: Inlet: 32° C, Outlet: 38° C)

Model type HAU-W			700SN	750SN	850SN	1000SN	1120SN	1400SN	
Cooling Capacity		USRT	600	700	800	1000	1100	1400	
		kW	2110	2462	2813	3516	3868	4923	
Chilled Water	Temperature	°C	Inlet: 14° C, Outlet 7° C						
	Flow rate	m ³ /h	259.2	302.4	345.6	432	475.2	604.8	
	Pressure drop	kPa (mAq)	6.0	8.0	11.0	9.0	11.0	8.0	
	Connection pipe nominal size	A	200	250	250	250	250	300	
	Number of pass	-	2	2	2	2	2	2	
Cooling Water	Temperature	°C	Inlet: 32° C, Outlet: 38° C						
	Flow rate	m ³ /h	553	646	738	922	1015	1291	
	Pressure drop	kPa (mAq)	8.0	10.5	9.0	11.0	9.0	9.0	
	Connection pipe nominal size	A	300	300	350	350	400	400(300X2)	
	Number of pass	-	1+1	1+1	1+1	1+1	1+1	1+1	
Electrical Capacity	Supply (400V 50/60Hz 3)	kVA	27			38		52	
	Solution pumps	kW	9.9 (5.5+2.2x2)			14.9 (7.5+3.7x2)		19.8 (5.5x2+2.2x4)	
	Refrigerant pump(s)	kW	1.5	1.5	1.5	1.5	1.5	3 (1.5x2)	
	Vacuum pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	
Steam	Steam consumption rate	kg/h	2580	3010	3440	4300	5590	6020	
	Inlet piping size	A	100			125		125x2	
	Outlet piping size	A	32					32x2	
External Dimensions	Integrated	Length (L)	mm	7500	8500	8100	9100	7600	8100
		Width (W)	mm	1900(except Control Panel)*					3500 *
		Height (H)	mm	2900	2900	2900	3300	3300	3100
	Maximum of Split Units	Length (L)	mm	7500	8000	9000	8100	9100	7600
		Width (W)	mm	1900	1900	1900	1900	1900	1900
		Height (H)	mm	2900	2900	2900	3300	3300	2900
Operating Mass (weight)		t	29.7	32.9	37.3	41.7	59.4	62.6	
Rigging Mass (weight)	Integrated	t	27.0	30.0	34.0	38.0	-	-	
	Split Units	t	-	-	-	-	27.0	28.5	
Insulating Area	Hot insulation	m ²	27	29	33	33	38	54	
	Cold insulation	m ²	20	21	25	29	33	40	
Contained Water Volume	Chilled water	L	1100	1200	1300	1400	1600	2200	
	Cooling water	L	1400	1600	1800	1900	2100	3100	

Cascade & Double Effect Steam Absorption Chiller for District Heating and Cooling

Specifications: HAU-W 1500SN- 2500SN (8 kg/cm² G Steam Pressure Model)

(Chilled Water: Inlet: 13° C, Outlet: 6° C / Cooling Water: Inlet: 32° C, Outlet: 38° C)

Model type HAU-W			1500SN	1600SN	1700SN	2000SN	2240SN	2500SN	
Cooling Capacity		USRT	1500	1600	1700	2000	2240	2500	
		kW	5274	5626	5978	7032	7876	8790	
Chilled Water	Temperature	°C	Inlet: 13° C, Outlet 6° C						
	Flow rate	m ³ /h	648	691.2	732.4	864	967.7	1080	
	Pressure drop	kPa (mAq)	9.5	11.5	13.5	9.5	12.5	16.5	
	Connection pipe nominal size	A	350	350	350	350	350	400	
	Number of pass	-	2	2	2	2	2	2	
Cooling Water	Temperature	°C	Inlet: 32° C, Outlet: 38° C						
	Flow rate	m ³ /h	1383	1476	1568	1845	2066	2305	
	Pressure drop	kPa (mAq)	10.0	11.5	13.0	9.0	11.0	13.0	
	Connection pipe nominal size	A	450(350X2)			500(400X2)		550(450X2)	
	Number of pass	-	1+1	1+1	1+1	1+1	1+1	1+1	
Electrical Capacity	Supply (400V 50/60Hz 3)	kVA	52			74		95	
	Solution pumps	kW	19.8 (5.5x2+2.2x4)			29.8(7.5x2+3.7x4)		37.0 (7.5x2+5.5x4)	
	Refrigerant pumps	kW	3 (1.5x2)		3 (1.5x2)		3 (1.5x2)		
	Vacuum pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	
Steam	Steam consumption rate	kg/h	6450	6880	7310	8600	9632	10750	
	Inlet piping size	A	125x2					150x2	
	Outlet piping size	A	32x2					40x2	
External Dimensions	Integrated	Length (L)	mm	8100	8600	9100	8200	9200	10200
		Width (W)	mm	3500 (except Control Panel)					
		Height (H)	mm	3100	3100	3100	3500	3500	3500
	Maximum of Split Units	Length (L)	mm	8100	8600	9100	8200	9200	10200
		Width (W)	mm	1900	1900	1900	1900	1900	1900
		Height (H)	mm	2900	2900	2900	3300	3300	3300
Operating Mass (weight)		t	62.6	65.8	69.0	75.0	84.0	92.0	
Rigging Mass (weight)	Integrated	t	-	-	-	-	-	-	
	Split Units	t	28.5	30.0	31.5	34.0	38.0	42.0	
Insulating Area	Hot insulation	m ²	62	66	66	75	86	96	
	Cold insulation	m ²	46	49	58	66	72	78	
Contained Water Volume	Chilled water	L	2400	2500	3300	3500	3700	3900	
	Cooling water	L	3400	3500	4400	4700	5000	5300	