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 **World EnC Co.,Ltd.**



Gruppi ad Assorbimento

Marchio del gruppo ATR



Gamma Gruppi ad Assorbimento

[potenze : da 176 a 5.200 kW]

Alimentazione	Potenze
Gas fiamma diretta doppio effetto	da 176 kW a 5.275 kW
Acqua Calda (singolo e doppio effetto)	da 257 kW a 3.500 kW
Vapore doppio effetto	da 352 kW a 5.275 kW
Gas Esausti doppio effetto caldo/freddo	da 351 kW a 5.275 kW
Gas e Vapore (anche in pompa di calore)	da 351 kW a 5.200 kW

L'innovazione sui gruppi ad acqua calda a doppio effetto

Chiller	Temp. H ₂ O Calda	ΔT out/in
Convenzionale	95°C -> 80 °C	Δ 15 °C
Noi (!)	95°C -> 55°C	Δ 40 °C



foto esterna stabilimento



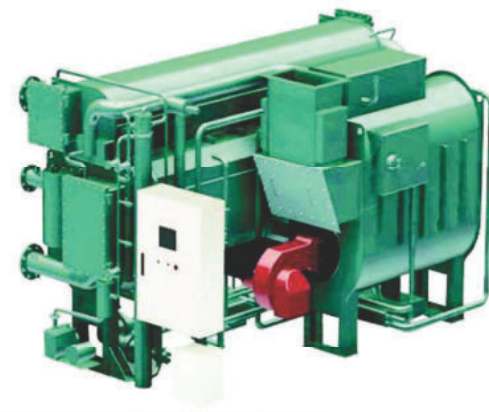
foto interna stabilimento



sala prove. collaudi e test delle prestazioni

Specifiche Tecniche

[Double-Effect Direct Fired Absorption Chiller & Heater]



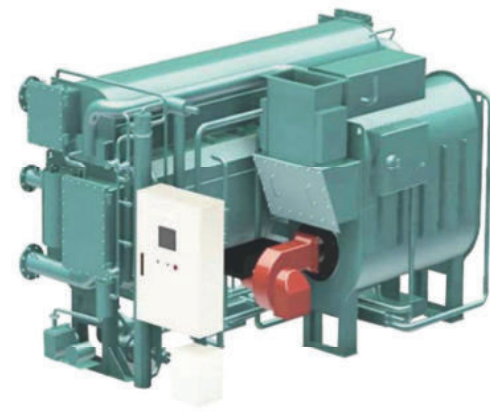
COP 1.1(LHV)

MODEL		UNIT	WDA 005	WDA 006	WDA 007	WDA 008	WDA 010	WDA 012	WDA 015	WDA 018	WDA 021	WDA 024	WDA 028	WDA 032	WDA 036	WDA 040				
Cooling capacity	usRT		50	60	70	80	100	120	150	180	210	240	280	320	360	400				
	kW		176	211	246	281	352	422	528	633	739	844	985	1,125	1,266	1,407				
Heating Capacity	Mcal/h		151	181	212	242	302	363	454	544	635	726	847	968	1,089	1,210				
	kW		176	211	246	281	352	422	528	633	739	844	985	1,125	1,266	1,407				
Chilled & Hot Water	Temp.	°C	12/7°C (Heating 55/ 60°C)																	
	Flow rate	m³/h	30,2	36,3	42,3	48,4	60,5	72,6	90,7	108,9	127,0	145,2	169,3	193,5	217,7	241,9				
	P.Drop	mAq	7,6	7,7	5,8	5,4	5,9	6,0	8,0	8,1	7,5	7,4	5,3	5,2	5,7	5,9				
	Connection	A	80				100				125			150						
Cooling Water	Temp.	°C	32/37,5°C																	
	Flow rate	m³/h	50	60	70	80	100	120	150	180	210	240	280	320	360	400				
	P.Drop	mAq	3,5	3,7	8,2	7,7	3,3	3,5	9,6	10,1	5,8	4,7	8,7	8,8	8,9	8,8				
	Connection	A	100				125				150			200						
Fuel	Gas	Cooling	Nm³/h	15,9	19,1	22,3	25,5	31,8	38,2	47,7	57,3	66,8	76,4	89,1	101,9	114,6	127,3			
		Heating	Nm³/h	18,9	22,7	26,5	30,2	37,8	45,4	56,7	68,0	79,4	90,7	105,9	121,0	136,1	151,2			
		Connection	A	40(4,000mAq)																
	Oil	Cooling	kg/h	16,4	19,7	23,0	26,3	32,9	39,4	49,3	59,2	69,0	78,9	92,0	105,2	118,3	131,5			
		Heating	kg/h	19,5	23,4	27,3	31,2	39,0	46,8	58,6	70,3	82,0	93,7	109,3	124,9	140,5	156,1			
		Connection	A	10				15				20								
Electric	Power Source	kW(A)	3Ø 380V50Hz																	
	Abs. Pump No.1	kW(A)	1,2(4,0)				2,0(6,0)				2,4(7,5)			3,0(11,0)		3,4(10,2)				
	Abs. Pump No.2	kW(A)	0,3(1,6)				0,4(1,6)				1,2(4,5)			1,5(5,0)						
	Ref. Pump	kW(A)	0,2(1,1)				0,3(1,5)				0,4(1,5)									
	Purge Pump	kW(A)	0,4(1,4)																	
	Burner Blower	kW(A)	0,37(1,0)		0,75(2,1)				1,5(4,0)			2,2(5,0)		3,0(6,5)						
	Oil Pump	kW(A)	-				0,24(0,6)				0,55(2,1)									
	Control Panel	kW(A)	0,2(0,5)																	
	Total Amp.	Gas	A	9,6		10,7		13,1			15,0		19,4		23,9		25,1			
	Oil	A	9,6		10,7		13,7			17,1		21,5		26,0		27,2				
Size	Length(L)	mm	2,630			2,700			2,853			3,644			3,696		4,782		4,867	
	Width(W)	mm	1,840			1,840			1,940			2,051			2,102		2,200		2,287	
	Height(H)	mm	1,910				2,020				2,390				2,585					
Weight	Rigging	Ton	2,7	2,9	3,1	3,5	3,8	4,0	4,9	5,3	6,1	7,2	7,7	8,3	10,3	10,5				
	Operation	Ton	3,0	3,2	3,4	3,8	4,6	4,8	5,8	6,4	7,5	7,8	8,7	9,3	11,7	12,1				
Space for Tube Replacement	mm	2,000			2,400				3,400				4,600							

- Remark**
- 1) 1usRT = 3,024 kcal/h
 - 2) Working Pressure of each water side is based on 1.0MPa [15psig]
 - 3) Natural Gas LHV(Lower Heating Value) : 9,500kcal/Nm³ , Diesel Oil LHV(Lower Heating Value) : 9,200kcal/kg
 - 4) Fouling factor 0.0001m²·h·°C/kcal for Absorber and Condenser, 0.0001m² ·h·°C/kcal for Evaporator.
 - 5) Catalogue specifications are subject to change without prior notice.

Specifiche Tecniche

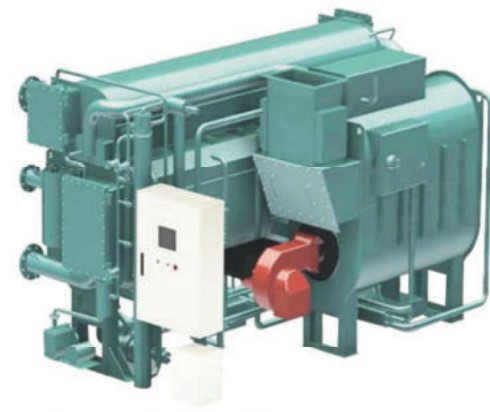
[Double-Effect Direct Fired Absorption Chiller & Heater]



MODEL		UNIT	WDA 045	WDA 050	WDA 056	WDA 063	WDA 070	WDA 080	WDA 090	WDA 100	WDA 110	WDA 120	WDA 130	WDA 140	WDA 150	
Cooling capacity	usRT		450	500	560	630	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500	
	kW		1,583	1,758	1,969	2,216	2,462	2,814	3,165	3,517	3,869	4,220	4,572	4,924	5,275	
Heating Capacity	Mcal/h		1,361	1,512	1,693	1,905	2,117	2,032	2,286	2,540	2,794	3,048	3,302	3,556	3,810	
	kW		1,583	1,758	1,969	2,216	2,462	2,363	2,659	2,954	3,250	3,545	3,840	4,136	4,431	
Chilled & Hot Water	Temp.	°C	12 / 7°C (Heating 55 / 60°C)													
	Flow rate	m³/h	272.2	302.4	338.7	381.0	423.4	483.8	544.3	604.8	665.3	725.8	786.2	846.7	907.2	
	P.Drop	mAq	5.1	5.3	4.2	5.7	7.6	5.5	7.4	9.7	7.4	9.4	11.7	9.4	11.5	
	Connection	A	200			250			300			350				
Cooling Water	Temp.	°C	32 / 37.5°C													
	Flow rate	m³/h	450	500	560	630	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500	
	P.Drop	mAq	8.6	8.7	6.4	8.8	11.7	9.1	12.3	16.2	12.3	15.7	7.2	12.8	15.7	
	Connection	A	250			300			350			400				
Fuel	Gas	Cooling	Nm³/h	143.2	159.2	178.3	200.5	222.8	254.7	286.5	318.3	350.1	382.0	413.8	445.6	477.5
		Heating	Nm³/h	170.1	189.0	211.7	238.2	264.6	254.0	285.8	317.6	349.3	381.1	412.8	444.6	476.3
	Connection	A	50 (4,000mmAq)						65 (4,000mmAq)							
	Oil	Cooling	kg/h	147.9	164.3	184.1	207.1	230.1	263.0	295.8	328.7	361.6	394.4	427.3	460.2	493.0
		Heating	kg/h	175.7	195.2	218.6	245.9	273.3	262.3	295.1	327.9	360.7	393.5	426.3	459.1	491.9
	Connection	A	20						25							
Electric	Power Source	kW(A)	3Ø 380V 50Hz													
	Abs. Pump No.1	kW(A)	3.4(10.2)			5.5(14.5)			6.6(16.2)			7.5(25.0)				
	Abs. Pump No.2	kW(A)	1.5 (5.0)			2.0(6.0)			2.2(7.0)			4.5(16.0)				
	Ref. Pump	kW(A)	0.4(1.5)						1.5(4.0)							
	Purge Pump	kW(A)	0.4(1.4)													
	Burner Blower	kW(A)	3.0(6.5)			5.5(13.0)			7.5(15.8)			11.0(22.7)				
	Oil Pump	kW(A)	0.55(2.1)						1.1(4.0)							
	Control Panel	kW(A)	0.2(0.5)													
	Total Amp.	Gas	A	25.1			36.9			44.9			69.6			
Oil		A	27.2			39.0			48.9			73.6				
Size	Length(L)	mm	4,880	4,960	5,100	5,600	6,150	5,750	6,250	6,800	6,200	6,700	7,200	6,900	7,400	
	Width(W)	mm	2,550			3,150			3,400			4,210			4,630	
	Height(H)	mm	2,800			3,300			3,600			3,600			3,800	
Weight	Rigging	Ton	12.6	12.8	18.1	19.6	21.0	27.9	30.2	32.6	37.8	40.7	43.2	47.5	50.0	
	Operation	Ton	14.5	14.8	20.7	22.3	24.0	31.8	34.3	37.0	42.1	45.2	48.1	52.7	55.6	
Space for Tube Replacement	mm	4,600			5,200			5,700			6,200			6,700		

Specifiche Tecniche

[Double-Effect Direct Fired Absorption Chiller & Heater]



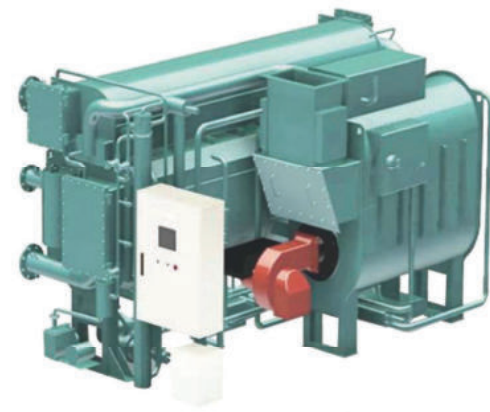
COP 1.36(LHV) Middle-efficiency model

MODEL		Units	WDAE 005	WDAE 006	WDAE 007	WDAE 008	WDAE 010	WDAE 012	WDAE 015	WDAE 018	WDAE 021	WDAE 024		
Cooling capacity	usRT		50	60	70	80	100	120	150	180	210	240		
	kW		176	211	246	231	351	422	527	633	738	844		
Heating Capacity	Mcal/h		133	160	186	213	266	319	399	479	559	639		
	kW		155	186	217	247	309	371	464	557	650	742		
Chilled & Hot Water	Temp.	°C	12/ 7°C (Heating 55,6/ 60°C)											
	Flow rate	m³/h	30,2	36,3	42,3	48,4	60,5	72,6	90,7	108,9	127,0	145,2		
	P.Drop	mAq	7,6	7,7	5,8	5,4	5,9	6,0	8,0	8,1	7,5	7,4		
	Connection	A	80					100			125			
Cooling Water	Temp.	°C	32/ 37,3°C											
	Flow rate	m³/h	50	60	70	80	100	120	150	180	210	240		
	P.Drop	mAq	3,5	3,7	8,2	7,7	3,3	3,5	9,6	10,1	5,8	4,7		
	Connection	A	100					125			150			
Fuel	Gas	Cooling	Nm³/h	12,1	14,5	17,0	19,4	24,2	29,1	36,3	43,6	50,9	58,2	
		Heating	Nm³/h	15,2	18,2	21,3	24,3	30,4	36,5	45,6	54,7	63,8	72,9	
		Connection	mm	40 (4,000mAq)										
	Oil	Cooling	kg/h	16,4	19,7	23,0	26,3	32,9	39,4	49,3	59,2	69,0	78,9	
		Heating	kg/h	19,5	23,4	27,3	31,2	39,0	46,8	58,6	70,3	82,0	93,7	
		Connection	mm	10					15			20		
Electric	Power Source	kW(A)	3Ø 380V 50Hz											
	Abs. Pump No.1	kW(A)	1,2(4,0)					2,0(6,0)			2,4(7,5)			
	Abs. Pump No.2	kW(A)	0,3(1,6)					0,4(1,6)			1,2(4,5)			
	Ref.Pump	kW(A)	0,2(1,1)					0,3(1,5)			0,4(1,5)			
	Purge Pump	kW(A)	0,4(1,4)											
	Burner Blower	kW(A)	0,37(1,0)					0,75(2,1)			1,5(4,0)			
	Oil Pump	kW(A)	-					0,24(0,6)			0,55(2,1)			
	Control Panel	kW(A)	0,2(0,5)											
	Total Amp.	Gas	A	9,6				10,7			13,1		15,0	19,4
		Oil	A	9,6				10,7			13,7		17,1	21,5
Size	Length(L)	mm	2,630				2,700			2,853		3,644	3,696	
	Width(W)	mm	1,840				1,840			1,940		2,051	2,102	
	Height(H)	mm	1,910					2,020			2,390			
Weight	Rigging	Ton	2,8	3,0	3,3	3,7	4,0	4,2	5,1	5,6	6,4	7,6		
	Operation	Ton	3,2	3,4	3,6	4,0	4,8	5,0	6,1	6,7	7,9	8,2		
Space for Tube Replacement	mm	2,000				2,400			3,400					

- Remark**
- 1) 1usRT = 3,024 kcal/h
 - 2) Working Pressure of each water side is based on 1.0MPa [15psig]
 - 3) Natural Gas LHV(Lower Heating Value) : 9,500kcal/Nm³, Diesel Oil LHV(Lower Heating Value) : 9,200kcal/kg
 - 4) Fouling factor 0,0001m²·h·°C/kcal for Absorber and Condenser, 0,0001m²·h·°C/kcal for Evaporator.
 - 5) Catalogue specifications are subject to change without prior notice.

Specifiche Tecniche

[Double-Effect Direct Fired Absorption Chiller & Heater]

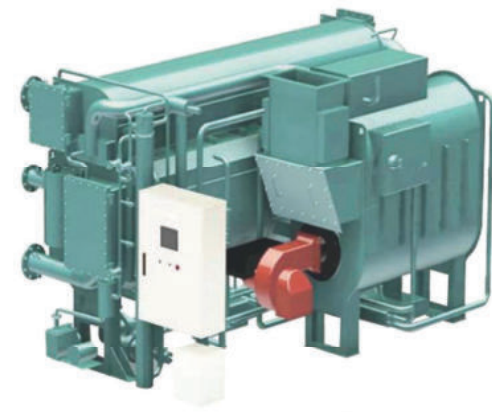


COP 1.36(LHV) Middle-efficiency model

MODEL		Units	WDAE 028	WDAE 032	WDAE 036	WDAE 040	WDAE 045	WDAE 050	WDAE 056	WDAE 063	WDAE 070	WDAE 080	WDAE 090	WDAE 100	
Cooling capacity	usRT		280	320	360	400	450	500	560	630	700	800	900	1000	
	kW		984	1,125	1,265	1,406	1,582	1,757	1,968	2,214	2,460	2,814	3,165	3,517	
Heating Capacity	Mcal/h		745	852	958	1064	1198	1331	1693	1905	2117	2032	2286	2540	
	kW		866	990	1,113	1,237	1,392	1,546	1,968	2,214	2,460	2,363	2,658	2,954	
Chilled & Hot Water	Temp.	°C	12/7°C (Heating 55,6/60°C)												
	Flow rate	m³/h	169,3	193,5	217,7	241,9	272,2	302,4	338,7	381,0	423,4	483,8	544,3	604,8	
	P.Drop	mAq	5,3	5,2	5,7	5,9	5,1	5,3	4,2	5,7	7,6	5,5	7,4	9,7	
	Connection	A	150				200				250				
Cooling Water	Temp.	°C	32/37,3°C												
	Flow rate	m³/h	280	320	360	400	450	500	560	630	700	800	900	1000	
	P.Drop	mAq	8,7	8,8	8,9	8,8	8,6	8,7	6,4	8,8	11,7	9,1	12,3	16,2	
	Connection	A	200				250			300			350		
Fuel	Gas	Cooling	Nm³/h	67,8	77,5	87,2	96,9	109,0	121,2	135,7	152,7	169,6	232,6	261,7	290,8
		Heating	Nm³/h	85,1	97,2	109,4	121,6	136,8	151,9	193,4	217,6	241,7	232,1	261,1	290,1
		Connection	mm	40 (4,000mmAq)				50 (4,000mmAq)							
	Oil	Cooling	kg/h	92,0	105,2	118,3	131,5	147,9	164,3	184,1	207,1	230,1	263,0	295,8	328,7
		Heating	kg/h	109,3	124,9	140,5	156,1	175,7	195,2	218,6	245,9	273,3	262,3	295,1	327,9
		Connection	mm	20								25			
Electric	Power Source		kW(A)	3Ø 380V 50Hz											
	Abs. Pump No.1		kW(A)	3,0(11,0)			3,4(10,2)			5,5 (14,5)			6,6 (16,2)		
	Abs. Pump No.2		kW(A)	1,2(4,5)		1,5(5,0)			2,0 (6,0)			2,2 (7,0)			
	Ref.Pump		kW(A)	0,4 (1,5)								1,5 (4,0)			
	Purge Pump		kW(A)	0,4 (1,4)											
	Burner Blower		kW(A)	2,2 (5,0)			3,0 (6,5)			5,5(13,0)			7,5 (15,8)		
	Oil Pump		kW(A)	0,55 (2,1)								1,1 (4,0)			
	Control Panel		kW(A)	0,2 (0,5)											
	Total Amp.	Gas	A	23,9		23,6	25,1			36,9			44,9		
		Oil	A	26,0		25,7	27,2			39,0			48,9		
Size	Length(L)	mm	4,782		4,867		4,880	4,960	5,100	5,600	6,150	5,750	6,250	6,800	
	Width(W)	mm	2,200		2,287		2,550			3,150			3,400		
	Height(H)	mm	2,390		2,585		2,800			3,300			3,600		
Weight	Rigging	Ton	8,1	8,7	10,8	11,0	13,2	13,4	18,1	19,6	21,0	27,9	30,2	32,6	
	Operation	Ton	9,1	9,8	12,3	12,7	15,2	15,5	20,7	22,3	24,0	31,8	34,3	37,0	
Space for Tube Replacement		mm	4,500						5,200			5,700	5,200	5,700	6,200

Specifiche Tecniche

[Double-Effect Direct Fired Absorption Chiller & Heater]



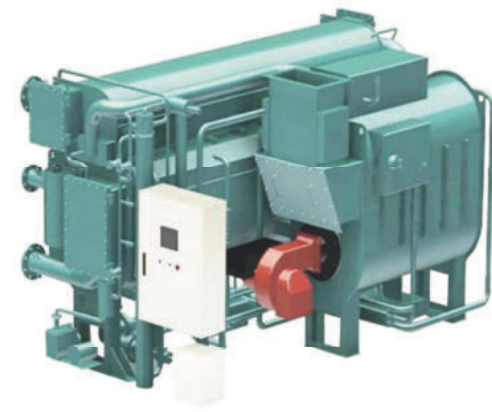
COP 1.51(LHV) High-efficiency model

MODEL		Units	WDAH 004	WDAH 005	WDAH 006	WDAH 007	WDAH 008	WDAH 010	WDAH 012	WDAH 015	WDAH 018	WDAH 021	WDAH 024	
Cooling capacity	usRT		40	50	60	70	80	100	120	150	180	210	240	
	kW		141	176	211	246	281	352	422	528	633	739	844	
Heating Capacity	Mcal/h		106	133	160	186	213	266	319	399	479	559	639	
	kW		124	155	186	217	248	309	371	464	557	650	743	
Chilled & Hot Water	Temp.	°C	12 / 7 °C (Heating 55.6 / 60)											
	Flow rate	m³/h	24.2	30.2	36.3	42.3	48.4	60.5	72.6	90.7	108.9	127.0	145.2	
	P.Drop	mAq	4.8	5.5	4.1	4.3	4.0	4.3	5.4	5.8	5.7	5.8	4.0	
	Connection	A	80				100				125		150	
Cooling Water	Temp.	°C	32 / 37 °C											
	Flow rate	m³/h	40	50	60	70	80	100	120	150	180	210	240	
	P.Drop	mAq	5.4	6.0	5.9	6.0	4.3	4.8	6.4	7.3	7.3	7.8	6.6	
	Connection	A	100				125				150		200	
Fuel	Gas	Cooling	Nm³/h	8.9	11.2	13.4	15.7	17.9	22.4	26.8	33.6	40.3	47.0	53.7
		Heating	Nm³/h	11.6	14.5	17.4	20.4	23.3	29.1	34.9	43.6	52.3	61.1	69.8
	Connection	A	40 (4,000mmAq)											
Electric	Power Source	kW(A)	3 φ 380V 60Hz											
	Abs. Pump No.1	kW(A)	1.2 (4.0)				2.0 (6.0)				2.4 (7.5)		3.0 (11.0)	
	Abs. Pump No.2	kW(A)	0.3 (1.6)				0.4 (1.6)				1.2 (4.5)			
	Ref.Pump	kW(A)	0.2 (1.1)				0.3 (1.5)				0.4 (1.5)			
	Purge Pump	kW(A)	0.4 (1.4)											
	Burner Blower	kW(A)	0.37 (1.0)			0.72 (2.1)				1.5 (4.0)		2.2 (5.0)		
	Control Panel	kW(A)	0.2 (0.5)											
Size	Total Amp.	A	9.6			10.7			13.1		15.0	19.4	23.9	
	Length(L)	mm	2,630			2,700			2,800		3,660		3,700	4,770
	Width(W)	mm	1,840			1,840			1,970		2,075	2,100	2,200	
	Height(H)	mm	1,978				2,150				2,500		2,510	
Weight	Rigging	Ton	2.8	3.0	3.3	3.7	4.0	4.2	5.1	5.6	6.4	7.6	8.1	
	Operation	Ton	3.2	3.4	3.6	4.0	4.8	5.0	6.1	6.7	7.9	8.2	9.1	
Space for Tube Replacement	mm	2,000			2,400				3,400				4,500	

- Remark**
- 1) 1usRT = 3,024 kcal/h
 - 2) Working Pressure of each water side is based on 1.0MPa [151psig]
 - 3) Natural Gas LHV(Lower Heating Value) : 9,500kcal/Nm³, Diesel Oil LHV(Lower Heating Value) : 9,200kcal/kg
 - 4) Fouling factor 0.0001m²·h·°C/kcal for Absorber and Condenser, 0.0001m²·h·°C/kcal for Evaporator.
 - 5) Catalogue specifications are subject to change without prior notice.

Specifiche Tecniche

[Double-Effect Direct Fired Absorption Chiller & Heater]



COP 1.51(LHV) High-efficiency model

MODEL		Units	WDAH 028	WDAH 032	WDAH 036	WDAH 040	WDAH 045	WDAH 050	WDAH 056	WDAH 063	WDAH 070	WDAH 080	WDAH 090	
Cooling capacity	usRT		280	320	360	400	450	500	560	630	700	800	900	
	kW		985	1,125	1,266	1,407	1,583	1,758	1,969	2,216	2,462	2,814	3,165	
Heating Capacity	Mcal/h		745	852	958	1064	1198	1331	1490	1677	2129	2395	2661	
	kW		867	990	1,114	1,238	1,393	1,547	1,733	1,950	2,476	2,785	3,095	
Chilled & Hot Water	Temp.	°C	12 / 7 °C (Heating 55.6 / 60)											
	Flow rate	m³/h	169.3	193.5	217.7	241.9	272.2	302.4	338.7	381.0	483.8	544.3	604.8	
	P.Drop	mAq	4.1	4.6	4.9	3.8	4.2	3.4	4.6	6.3	4.3	6.0	8.1	
	Connection	A	150				200				250			
Cooling Water	Temp.	°C	32 / 37 °C											
	Flow rate	m³/h	280	320	360	400	450	500	560	630	700	800	900	
	P.Drop	mAq	6.9	7.3	7.3	6.8	7.0	5.2	7.2	9.7	7.2	10.0	13.4	
	Connection	A	200			250			300			350		
Fuel	Gas	Cooling	Nm³/h	62.6	71.6	80.5	89.5	100.7	111.8	125.3	140.9	156.6	178.9	201.3
		Heating	Nm³/h	81.4	93.0	104.7	116.3	130.8	145.4	162.8	183.2	232.6	261.7	290.8
	Connection	A	40 (4,000mmAq)						50 (4,000mmAq)					
Electric	Power Source	kW(A)	3 φ 380V 60Hz											
	Abs. Pump No.1	kW(A)	3.0(11.0)	3.4 (10.2)				5.5 (14.5)				6.6 (16.2)		
	Abs. Pump No.2	kW(A)	1.2(4.5)	1.5 (5.0)				2.0 (6.0)				2.2 (7.0)		
	Ref.Pump	kW(A)	0.4 (1.5)											
	Purge Pump	kW(A)	0.4 (1.4)											
	Burner Blower	kW(A)	2.2 (5.0)			3.0 (6.5)			5.5 (13.0)			7.5 (15.8)		
	Control Panel	kW(A)	0.2 (0.5)											
Size	Total Amp.	A	23.9	23.6	25.1			36.9			44.9			
	Length(L)	mm	4,770	4,870			4,900		5,100	5,600	6,150	5,750	6,250	6,800
	Width(W)	mm	2,200	2,300	2,430	2,650			3,150			3,400		
	Height(H)	mm	2,510	2,640			2,900		3,394			3,720		
Weight	Rigging	Ton	8.7	10.8	11.0	13.2	13.4	18.1	19.6	21.0	27.9	30.2	32.6	
	Operation	Ton	9.8	12.3	12.7	15.2	15.5	20.7	22.3	24.0	31.8	34.3	37.0	
Space for Tube Replacement	mm	4,500						5,200			5,700	5,200	5,700	6,200

Specifiche Tecniche

[Single Effect Double Lift Hot Water Absorption Chiller]



Hot Water inlet temp 95°C

Model	Unit	WDLE 75	WDLE 90	WDLE 110	WDLE 135	WDLE 155	WDLE 180	WDLE 210	WDLE 240	WDLE 270	WDLE 300	WDLE 340			
Chilled Water temp. in-outlet	°C	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8		
Cooling Capacity	kW	257	264	309	316	376	367	464	474	531	545	619	633		
	usRT	73	75	88	90	107	110	132	135	151	155	176	180		
Chilled Water	Flow rate	m³/h	44.2	45.4	53.2	54.4	64.7	66.5	79.8	81.6	91.3	93.7	106		
	Pressure drop	mAq	6.1	6.4	6.6	6.8	9.1	9.6	10.1	10.5	9.1	9.5	9.3		
	Nozzle size	A	80			100			125			150			
Cooling Water	in-outlet temp.	°C	31 / 36.5												
	Flow rate	m³/h	104	107	125	128	152	156	188	192	215	220	251	256	
	Pressure drop	mAq	10.0	10.5	10.2	10.6	10.7	11.1	11.8	12.1	11.5	11.9	12.4	12.7	
	Nozzle size	A	150						200			250			
Hot Water	in-outlet temp.	°C	95 / 55												
	Flow rate	ton/h	8.8	8.9	10.6	10.7	12.9	13.1	15.9	16	18.2	18.4	21.2	21.4	
	Pressure drop	Main body	mAq	3.5	3.6	3.5	3.6	5.4	5.5	5.9	6.0	5.7	5.8	6.0	6.1
		Control valve	mAq	2.3	2.4	3.3	3.4	1.8	1.9	2.8	2.9	1.5	1.5	2.0	2.1
	Nozzle size	A	65				80				100				
	Control valve nozzle size	A	40			50			65			80			
	Power		3φ, 380, 60Hz												
Electrical power	Solution pump	kW(A)	3.3(12.8)			3.9(14.8)			4.5(15.8)			5.1(16.8)			
	Refrigerant pump	kW(A)	0.2(1.1)			0.3(1.5)			0.4(1.5)			0.4(1.5)			
	Purge pump	kW(A)	0.4(1.4)												
	Control panel	kW(A)	0.2(0.5)												
	Max. ampere@380V	A	15.8			18.2			19.2			20.2			
Dimension	Length(L)	mm	2,670			3,690			3,696			4,767			
	Width(W)	mm	1,736						1,989			2,240			
	Height(H)	mm	2,293						2,428			2,566			
Weight	Rigging weight	Ton	4.4		4.6		5.7		6		7.2		7.5		
	Operation weight	Ton	5.1		5.3		6.6		7		8.4		8.9		
Tube exchange space	mm	2,400				3,400				4,600					

Hot Water inlet temp 115°C

Model	Unit	WDLE 75	WDLE 90	WDLE 110	WDLE 135	WDLE 155	WDLE 180	WDLE 210	WDLE 240	WDLE 270	WDLE 300	WDLE 340			
Chilled Water temp. in-outlet	°C	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8		
Cooling Capacity	kW	274	285	331	341	404	418	496	513	570	591	661	686		
	usRT	78	81	94	97	115	119	141	146	162	168	188	195		
Chilled Water	Flow rate	m³/h	47.2	49	56.9	58.7	69.6	72	85.3	88.3	98	102	114		
	Pressure drop	mAq	11.3	12.1	12	12.7	10.3	11	11.4	12.1	10.3	11	10.4		
	Nozzle size	A	80			100			125			150			
Cooling Water	in-outlet temp.	°C	31 / 36.5												
	Flow rate	m³/h	105	109	127	130	156	160	191	196	219	226	254	262	
	Pressure drop	mAq	10.5	11.2	11	11.4	11.2	11.8	12.1	12.7	11.9	12.6	12.8	13.5	
	Nozzle size	A	150						200			250			
Hot Water	in-outlet temp.	°C	115 / 55												
	Flow rate	ton/h	5.7	5.9	6.9	7.1	8.5	8.7	10.4	10.6	11.9	12.2	13.8	14.2	
	Pressure drop	Main body	mAq	3	3.1	3.3	3.4	5.3	5.5	5.9	6.2	4.9	5.1	5.4	5.7
		Control valve	mAq	1	1.1	1.5	1.6	2.2	2.3	1.2	1.3	1.6	1.7	2.2	2.3
	Nozzle size	A	65						80						
	Control valve nozzle size	A	40			50			65			80			
	Power		3φ, 380, 60Hz												
Electrical power	Solution pump	kW(A)	3.3(12.8)			3.9(14.8)			4.5(15.8)			5.1(16.8)			
	Refrigerant pump	kW(A)	0.2(1.1)			0.3(1.5)			0.4(1.5)			0.4(1.5)			
	Purge pump	kW(A)	0.4(1.4)												
	Control panel	kW(A)	0.2(0.5)												
	Max. ampere@380V	A	15.8			18.2			19.2			20.2			
Dimension	Length(L)	mm	2,670			3,690			3,696			4,767			
	Width(W)	mm	1,736						1,989			2,240			
	Height(H)	mm	2,293						2,427			2,566			
Weight	Rigging weight	Ton	4.4		4.6		5.7		6		7.2		7.5		
	Operation weight	Ton	5.1		5.3		6.6		7		8.4		8.9		
Tube exchange space	mm	2,400				3,400				4,600					

- Remark**
- 1) Standard pressure : Chilled water and cooling water 1.0MPa(10kgf/c_G), Hot water 1.6MPa(16kgf/c_G)
 - 2) Power standard : 380V, 3Phase, 60Hz(220V, 440V, 460V also available)
 - 3) The specification could be changed without any notice.

Specifiche Tecniche

[Single Effect Double Lift Hot Water Absorption Chiller]



Hot Water inlet temp 95°C

Model		Unit	WDLE 375	WDLE 420	WDLE 470	WDLE 525	WDLE 600	WDLE 675	WDLE 750	WDLE 825	WDLE 900	WDLE 975		
Chilled Water temp. in-outlet		°C	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8		
Cooling Capacity		kW	1,287	1,318	1,442	1,476	1,614	1,652	1,804	1,845	2,061	2,110		
		usRT	366	375	410	420	459	470	513	525	586	600	659	
Chilled Water	Flow rate	m³/h	221	227	248	254	278	284	310	318	354	363		
	Pressure drop	mAq	9.3	9.7	7.1	7.4	9.8	10.2	4.4	4.5	9.7	10.1		
	Nozzle size	A	200				250				300			
in-outlet temp.		°C	31 / 36,5						250			300		
Cooling Water	Flow rate	m³/h	522	533	584	596	654	667	731	746	835	852		
	Pressure drop	mAq	12,1	12,5	8,7	9,0	11,3	12,2	15,9	16,3	12,7	13,0		
	Nozzle size	A	250			300			350			400		
in-outlet temp.		°C	95 / 55						350			400		
Hot Water	Flow rate	ton/h	44	44,5	49,3	49,9	55,2	55,8	61,7	62,3	70,5	71,2		
	Pressure drop Main body	mAq	5,5	5,6	4,9	5,0	5,1	5,2	3,9	4,0	4,4	4,5		
	Pressure drop Control valve	mAq	1,4	1,4	1,7	1,7	2,1	2,2	2,7	2,7	3,5	3,6		
	Nozzle size	A	100						125					
	Control valve nozzle size	A	100						125					
	Power		3 φ, 380, 50Hz						10,4(35,0)			14,1(48,0)		
Electrical power	Solution pump	kW(A)	6,0(18,8)			6,7(22,2)			10,4(35,0)			14,1(48,0)		
	Refrigerant pump	kW(A)	0,4(1,5)						1,5(4,0)					
	Purge pump	kW(A)	0,4(1,4)											
	Control panel	kW(A)	0,2(0,5)											
Max. ampere@380V	A	22,2			25,6			40,9			53,9			
Dimension	Length(L)	mm	4,866		5,005		5,544		6,045		5,638			
	Width(W)	mm	2,350		2,625				3,070					
	Height(H)	mm	2,963		3,262				3,600					
Weight	Rigging weight	Ton	14		19		20,7		22,2		26,7			
	Operation weight	Ton	16,9		23		25		26,9		31,6			
Tube exchange space		mm	4,600			5,200			5,700			5,200		

Hot Water inlet temp 115°C

Model		Unit	WDLE 375	WDLE 420	WDLE 470	WDLE 525	WDLE 600	WDLE 675	WDLE 750	WDLE 825	WDLE 900	WDLE 975		
Chilled Water temp. in-outlet		°C	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8		
Cooling Capacity		kW	1,375	1,428	1,540	1,600	1,723	1,790	1,923	2,001	2,198	2,286		
		usRT	391	406	438	455	490	509	547	569	625	650	704	
Chilled Water	Flow rate	m³/h	236	246	265	275	296	308	331	344	378	393		
	Pressure drop	mAq	10,5	11,2	8	8,5	11	11,8	4,8	5,2	10,6	11,4		
	Nozzle size	A	200				250				300			
in-outlet temp.		°C	31 / 36,5						250			300		
Cooling Water	Flow rate	m³/h	529	546	592	612	663	684	740	765	845	874		
	Pressure drop	mAq	12,4	13,2	9,8	10,4	13,4	14,2	17,7	18,9	13,9	14,8		
	Nozzle size	A	250			300			350			400		
in-outlet temp.		°C	115 / 55						350			400		
Hot Water	Flow rate	ton/h	28,8	29,6	32,2	33,1	36,1	37,1	40,3	41,4	46	47,3		
	Pressure drop Main body	mAq	4,4	4,6	3	3,1	3,9	4,1	5,1	5,4	3,3	3,5		
	Pressure drop Control valve	mAq	3,9	4,1	1,9	2	2,4	2,5	2,9	3,1	1,5	1,6		
	Nozzle size	A	80				100				125			
	Control valve nozzle size	A	65		80		100				125			
	Power		3 φ, 380, 50Hz						10,4(35,0)			14,1(48,0)		
Electrical power	Solution pump	kW(A)	6,0(18,8)			6,7(22,2)			10,4(35,0)			14,1(48,0)		
	Refrigerant pump	kW(A)	0,4(1,5)						1,5(4,0)					
	Purge pump	kW(A)	0,4(1,4)											
	Control panel	kW(A)	0,2(0,5)											
Max. ampere@380V	A	22,2			25,6			40,9			53,9			
Dimension	Length(L)	mm	4,866		5,005		5,544		6,045		5,638			
	Width(W)	mm	2,350		2,625				3,070					
	Height(H)	mm	2,963		3,262				3,600					
Weight	Rigging weight	Ton	14		19		20,7		22,2		26,7			
	Operation weight	Ton	16,9		23		25		26,9		31,6			
Tube exchange space		mm	4,600			5,200			5,700			5,200		

Option In different heat source and operation, the conditions can be selected as an option.

- 1) When the water pressure different from the standard.
- 2) When heat tube material is not copper nor with different tickness.
- 3) When Hot/cooling/chilled water temp. are different from standard.

Specifiche Tecniche

[Hot Water Absorption Chiller]



Hot Water inlet temp 95°C

Model		Unit	WSL75		WSL90		WSL110		WSL135		WSL155		WSL180		WSL210		WSL240		WSL270		WSL300	
Chilled water temp. at in-outlet		°C	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8
Cooling capacity		usRT	70	75	85	90	103	110	122	135	141	155	169	180	198	210	226	240	254	270	282	300
Chilled water	Flow rate	m³/h	42,3	45,4	51,4	54,4	62,3	66,5	73,8	81,6	85,3	93,7	102,2	108,9	119,8	127,0	136,7	145,2	153,6	163,3	170,6	181,4
	Pressure drop	mAq	7,8	9,0	8,5	9,5	7,5	8,6	7,4	9,1	7,0	8,4	7,9	9,0	7,5	8,4	7,9	8,9	7,8	8,8	8,0	9,1
	Pipe size	A	80				100				125				150							
Cooling water	Flow rate	m³/h	92,5	99,1	112,3	118,9	136,1	145,3	161,1	178,3	186,2	204,7	223,2	237,8	261,5	277,4	298,5	317,0	335,5	356,6	372,5	396,3
	Pressure drop	mAq	10,1	11,6	9,8	11,0	4,7	5,4	4,2	5,2	4,6	5,5	4,8	5,5	9,7	10,8	9,5	10,7	9,3	10,5	9,0	10,2
	Pipe size	A	125				150				200											
Hot water	Flow rate	m³/h	19,6	21,0	23,8	25,2	28,8	30,8	34,2	37,8	39,5	43,4	47,3	50,4	55,4	58,8	63,3	67,2	71,1	75,6	79,0	84,0
	Pressure drop	mmAq	0,9	1,0	0,9	1,0	0,4	0,5	0,5	0,6	0,5	0,6	0,5	0,6	1,1	1,2	1,1	1,2	1,0	1,1	1,0	1,1
	Pipe size	A	65				80				100											
	Valve size	A	50	65				80				100										
Electricity	Power	-	3ø, 380, 60Hz																			
	Solution Pump	kW(A)	1,5(4,7A)				2,0(6,1A)				2,4(7,3A)											
	Refrigerant Pump	kW(A)	0,3(1,7A)								0,4(1,7A)											
	Purge Pump	-	0,4(1,5A)																			
Dimension	Length	mm	2,640				3,680				3,686				4,744				4,776			
	Width	mm	1,244				1,244				1,369				1,365				1,495			
	Height	mm	2,255				2,255				2,389				2,389				2,575			
Weigh	Equipment weight	Ton	3,6	3,7	4,6	4,8	5,8	6,0	7,0	7,3	9,0	9,4										
	Operation weight	Ton	4,1	4,3	5,3	5,6	6,7	7,1	8,2	8,7	10,6	11,1										
	Conveyance	-	One body																			

- Remark**
- Standard pressure:
Cooling and Chilled water: 0.8Mpagf(8kgf/cm2G),
Hot water standard pressure: 1.6Mpa(16kgf/cm2G)
 - Chilled water standard TEMP: Inlet: 13°C, Outlet: 8°C
Cooling water standard TEMP: Inlet: 31°C, Outlet: 36.5°C
 - Hot water standard TEMP: Inlet: 95°C, Outlet: 80°C.
 - Power standard: 380V, 3Phase, 60Hz, (220, 440, 460V also available)
 - The specification could be changed without any notice.

Specifiche Tecniche

[Hot Water Absorption Chiller]



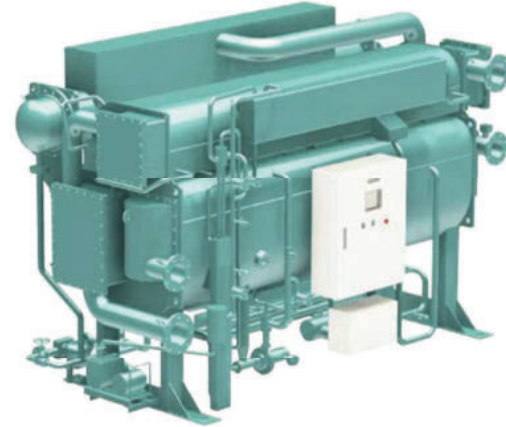
Hot Water inlet temp 95°C

Model		Unit	WSL75		WSL90		WSL110		WSL135		WSL155		WSL180		WSL210		WSL240		WSL270		WSL300	
Chilled water temp. at in-outlet		°C	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8	12-7	13-8
Cooling capacity		usRT	70	75	85	90	103	110	122	135	141	155	169	180	198	210	226	240	254	270	282	300
Chilled water	Flow rate	m³/h	42,3	45,4	51,4	54,4	62,3	66,5	73,8	81,6	85,3	93,7	102,2	108,9	119,8	127,0	136,7	145,2	153,6	163,3	170,6	181,4
	Pressure drop	mAq	7,8	9,0	8,5	9,5	7,5	8,6	7,4	9,1	7,0	8,4	7,9	9,0	7,5	8,4	7,9	8,9	7,8	8,8	8,0	9,1
	Pipe size	A	80				100				125				150							
Cooling water	Flow rate	m³/h	92,5	99,1	112,3	118,9	136,1	145,3	161,1	178,3	186,2	204,7	223,2	237,8	261,5	277,4	298,5	317,0	335,5	356,6	372,5	396,3
	Pressure drop	mAq	10,1	11,6	9,8	11,0	4,7	5,4	4,2	5,2	4,6	5,5	4,8	5,5	9,7	10,8	9,5	10,7	9,3	10,5	9,0	10,2
	Pipe size	A	125				150				200											
Hot water	Flow rate	m³/h	19,6	21,0	23,8	25,2	28,8	30,8	34,2	37,8	39,5	43,4	47,3	50,4	55,4	58,8	63,3	67,2	71,1	75,6	79,0	84,0
	Pressure drop	mmAq	0,9	1,0	0,9	1,0	0,4	0,5	0,5	0,6	0,5	0,6	0,5	0,6	1,1	1,2	1,1	1,2	1,0	1,1	1,0	1,1
	Pipe size	A	65				80				100											
	Valve size	A	50		65		80				100											
Electricity	Power	-	3ø, 380, 60Hz																			
	Solution Pump	kW(A)	1,5(4,7A)						2,0(6,1A)						2,4(7,3A)							
	Refrigerant Pump	kW(A)	0,3(1,7A)												0,4(1,7A)							
	Purge Pump	-	0,4(1,5A)																			
Dimension	Length	mm	2,640				3,680				3,686				4,744				4,776			
	Width	mm	1,244				1,244				1,369				1,365				1,495			
	Height	mm	2,255				2,255				2,389				2,389				2,575			
Weigh	Equipment weight	Ton	3,6		3,7		4,6		4,8		5,8		6,0		7,0		7,3		9,0		9,4	
	Operation weight	Ton	4,1		4,3		5,3		5,6		6,7		7,1		8,2		8,7		10,6		11,1	
	Conveyance	-	One body																			

- Remark**
- Standard pressure:
Cooling and Chilled water: 0.8Mpagf(8kgf/cm2G),
Hot water standard pressure: 1.6Mpa(16kgf/cm2G)
 - Chilled water standard TEMP: Inlet: 13°C, Outlet :8°C
Cooling water standard TEMP: Inlet: 31°C, Outlet :36.5°C
 - Hot water standard TEMP: Inlet: 95°C, Outlet :80°C.
 - Power standard : 380V, 3Phase,60Hz,(220,440,460V also available)
 - The specification could be changed without any notice.

Specifiche Tecniche

[Double Effect Steam Fired Absorption Chiller]

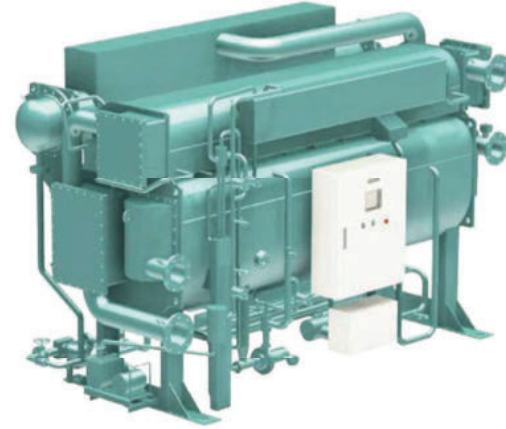


Model		Unit	WSA 010	WSA 012	WSA 015	WSA 018	WSA 021	WSA 024	WSA 028	WSA 032	WSA 036	WSA 040	WSA 045	
Cooling capacity	usRT		100	120	150	180	210	240	280	320	360	400	450	
	kW		352	422	528	633	739	844	985	1,125	1,266	1,407	1,583	
Chilled Water	Temp.	°C	12/7°C											
	Flow rate	ton/h	60,5	72,6	90,7	108,9	127,0	145,2	169,3	193,5	217,7	241,9	272,2	
	P. Drop	mAq	6,5	6,4	8,0	8,3	7,5	7,9	5,1	5,5	5,8	6,1	5,2	
	Connection	A	100				125			150				
Cooling Water	Temp.	°C	32/37,5°C											
	Flow rate	m³/h	100	120	150	180	210	240	280	320	360	400	450	
	P. Drop	mAq	3,9	4,4	6,5	7,7	5,6	6,2	10,9	12,1	8,7	9,4	10,3	
	Connection	A	125				150			200				
Steam	Flow rate	kg/h	440	530	660	790	920	1060	1230	1410	1580	1760	1980	
	Steam Inlet onnect.	A	50				65				80			
	Drain Outlet onnect.	A	25						40					
	Control Valve Size	A	25	40				50						
Electric	Power Source		3 Ø 400V 50Hz											
	Abs. Pump #1	kW(A)	2,0 (6,0)				2,4 (7,5)			3,0 (11,0)		3,4 (10,2)		3,4
	Abs. Pump #2	kW(A)	0,4 (1,6)				1,2 (4,5)				1,5 (5,0)		1,5	
	Ref. Pump	kW(A)	0,3 (1,5)				0,4 (1,5)							
	Purge Pump	kW(A)	0,4 (1,4)											
	Control Panel	kW(A)	0,2 (0,5)											
	Total Ampere	A	11,0				15,4			18,9		18,6		18,6
Size	Length (L)	mm	2,632	2,832	3,644		3,670		4,720		4,860		4,910	
	Width (W)	mm	1,775				1,880				2,110		2,250	
	Height (H)	mm	2,030				2,300				2,550		2,780	
Widght	Rigging	Ton	3,9	4,1	5,1	5,2	6,2	6,4	7,7	8,0	9,8	10,1	11,8	
	Operation	Ton	4,3	4,5	5,6	5,8	6,9	7,2	8,6	9,0	11,0	11,4	13,5	
Space for Tube Replacement	mm	2,400			3,400				4,500					

- Remark**
- 1) 1usRT = 3,024 kcal/h
 - 2) Standard Steam Pressure is 0,8M
 - 3) Working Pressure of chilled water and cooling water side is based on 1.0MPaPa
 - 4) Fouling factor 0.0001m²·h·°C/kcal for Absorber and Condensar, 0.0001m²·h·°C/kcal for Evaporator.
 - 5) Catalogue specifications are subject to change without prior notice.

Specifiche Tecniche

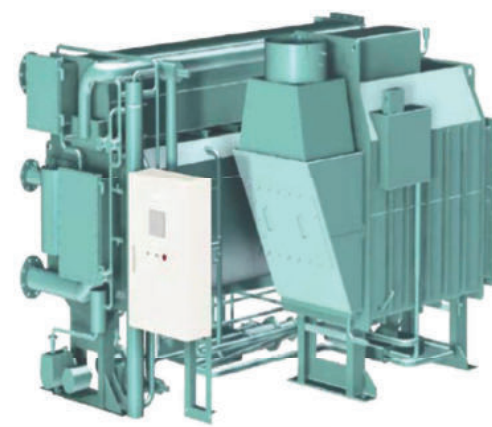
[Double Effect Steam Fired Absorption Chiller]



Model		Unit	WSA 050	WSA 056	WSA 063	WSA 070	WSA 080	WSA 090	WSA 100	WSA 110	WSA 120	WSA 130	WSA 140	WSA 150	
Cooling capacity		usRT	500	560	630	700	800	900	1000	1100	1200	1300	1400	1500	
		kW	1,758	1,969	2,216	2,462	2,814	3,165	3,517	3,869	4,220	4,572	4,924	5,275	
Chilled Water	Temp.	°C	12/7°C												
	Flow rate	ton/h	302.4	338.7	381.0	423.4	483.8	544.3	604.8	665.3	725.8	786.2	846.7	907.2	
	P. Drop	mAq	5,5	4,6	6,2	8,1	4,7	6,4	8,4	6,2	7,9	9,8	8,0	9,8	
	Connection	A	200			250			300			350			
Cooling Water	Temp.	°C	32/37.5°C												
	Flow rate	m³/h	500	560	630	700	800	900	1000	1100	1200	1300	1400	1500	
	P. Drop	mAq	11,2	7,1	9,4	12,1	8,4	11,1	14,3	8,8	10,9	13,4	12,3	14,6	
	Connection	A	250	300			350			400					
Steam	Flow rate	kg/h	2200	2460	2770	3080	3520	3960	4400	4840	5280	5720	6160	6600	
	Steam Inlet onnect.	A	80	100			125			150					
	Drain Outlet onnect.	A	40	50			65			80					
	Control Valve Size	A	65			80			100						
Electric	Power Source		3 Ø400V50Hz												
	Abs. Pump #1	kW(A)	3,4(10,2)	5,5 (20,0)			6,6 (16,2)			7,5 (25,0)					
	Abs. Pump #2	kW(A)	1,5 (5,0)	2,0 (6,0)			2,2 (7,0)			4,5 (16,0)					
	Ref. Pump	kW(A)	0,4 (1,5)			1,5 (4,0)									
	Purge Pump	kW(A)	0,4 (1,4)												
	Control Panel	kW(A)	0,2 (0,5)												
	Total Ampere	A	18,6	29,4			29,1			46,9					
Size	Length (L)	mm	4,910	5,040	5,580	6,080	5,720	6,220	6,740	6,150	6,670	7,170	6,830	7,330	
	Width (W)	mm	2,250	2,480			2,825			3,000			3,250		
	Height (H)	mm	2,780	3,255			3,400			3,600			3,650		
Widght	Rigging	Ton	12,1	16,6	18,1	19,4	24,6	26,3	28,3	31,8	33,9	35,8	39,6	41,8	
	Operation	Ton	13,9	19,2	20,8	22,3	28,7	30,7	32,8	36,4	38,8	40,9	45,3	47,7	
Space for Tube Replacement		mm	4,500		5,200	5,700	5,200	5,700	6,200	5,700	6,200	6,700	6,200	6,700	

Specifiche Tecniche

[Double Effect Exhaust Gas Driven Absorption Chiller & Heater]

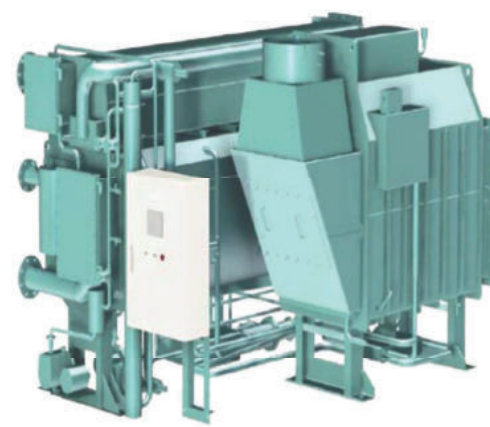


Model		Unit	WEG 010	WEG 012	WEG 012	WEG 018	WEG 021	WEG 024	WEG 028	WEG 032	WEG 036	WEG 040	WEG 045	
Cooling capacity	ueRT		100	120	150	180	210	240	280	320	360	400	450	
	kW		351	422	527	633	738	844	984	1,125	1,265	1,406	1,582	
Heating capacity	Mcal/h		283	340	425	510	595	680	793	906	1019	1133	1274	
	kW		329	395	494	592	691	790	922	1053	1185	1317	1481	
Chilled Water	Temp.	°C	12 / 7											
	Flow rate	m³/h	60,5	72,6	90,7	109	127	145	169	194	218	242	272	
	P. Drop	mAq	4,8	5,1	6,6	7,0	6,4	6,3	4,6	4,5	5,0	5,1	4,4	
	Connection	A	100				125			150				
Cooling Water	Temp.	°C	32/37,5											
	Flow rate	m³/h	100	120	150	180	210	240	280	320	360	400	450	
	P. Drop	mAq	11,1	11,3	11,5	11,8	11,8	12,1	11,2	10,7	11,1	10,8	10,7	
	Connection	A	125			150				200				250
Exhaust Gas	Temp.	kg/sec	0,88	1,05	1,32	1,58	1,84	2,11	2,46	2,81	3,16	3,51	3,95	
	Temp.	Cooling	°C 450/165											
		Heating	°C 450/125											
	P. Drop	mmAq	77	82	79	92	97	113	129	131	123	131	133	
	Outlet Conn	A	400				500				600			
	Diverter Valve	A	400				500				600			
Electric	Power source		3Ø 380V(50Hz)											
	Abs. Pump	kW(A)	2,0(5,7)				2,4(6,1)				3,4(9,0)			
	Ref. Pump	kW(A)	0,3(1,5)								0,4(1,6)			
	Purge Pump	kW(A)							0,4(1,4)					
	Control Pump	KVA	0,2(0,5)											
	Amp. (400 Vac)	A	9,1				9,5			9,6		12,5		
Size	Length (L)	mm	2,597		3,680		3,686		4,744		4,776		4,954	
	Width (W)	mm	1,662	1,740	1,857	1,935	2,150	2,189	2,267	2,375	2,270	2,309	2,491	
	Height (H)	mm	1,979				2,303				2,470		2,744	
Weight	Rigging	mm	5,0	5,3	6,4	6,8	7,9	8,5	9,8	10,3	12,8	13,2	15,7	
	Operation	Ton	5,4	5,8	7,0	7,4	8,6	9,3	10,7	11,3	14,0	14,6	17,2	
Tube exchange space	Ton	2,400				3,400				4,500				

Remark Working Pressure of each water side is based on 1.0Mpu(150psig.)

Specifiche Tecniche

[Double Effect Exhaust Gas Driven Absorption Chiller & Heater]



Model		Unit	WEG 050	WEG 056	WEG 063	WEG 070	WEG 080	WEG 090	WEG 100	WEG 110	WEG 120	WEG 130	WEG 140	WEG 150	
Cooling capacity	usRT		500	560	630	700	800	900	1000	1100	1200	1300	1400	1500	
	kW		1,757	1,968	2,214	2,460	2,812	3,163	3,515	3,866	4,218	4,569	4,921	5,272	
Heating capacity	Mcal/h		1416	1586	1784	1982	2266	2549	2832	3115	3398	3682	3965	4248	
	kW		1646	1843	2074	2304	2633	2962	3291	3621	3950	4279	4608	4937	
Chilled Water	Temp.	°C	12 / 7												
	Flow rate	m³/h	302	339	381	423	484	544	605	665	726	786	847	907	
	P. Drop	mAq	3,9	3,6	5,0	6,6	4,7	6,4	8,5	7,2	9,2	11,5	8,3	10,2	
	Connection	A	200				250			300			350		
Cooling Water	Temp.	°C	32 / 37,5												
	Flow rate	m³/h	500	560	630	700	800	900	1000	1100	1200	1300	1400	1500	
	P. Drop	mAq	10,8	7,7	10,6	14,0	8,7	11,8	15,6	3,0	3,8	4,8	4,0	4,9	
	Connection	A	250	300			350			400					
Exhaust Gas	Temp.	kg/sec	4,39	4,92	5,53	6,15	7,03	7,91	8,78	9,66	10,54	11,42	12,30	13,18	
	Temp.	Cooling	°C	450/165											
		Heating	°C	450/125											
	P. Drop	mmAq	134	143	133	146	155	153	176	213	221	212	206	184	
	Outlet Conn	A	600	750					1000						
	Diverter Valve	A	600	750					1000						
Electric	Power source		3Ø380V(50Hz)												
	Abs. Pump	kW(A)	3,4(9,0)	5,5(14,3)					7,5(21,9)						
	Ref. Pump	kW(A)	0,4(1,6)				1,5(3,8)								
	Purge Pump	kW(A)	0,4(1,4)						0,75(2,2)						
	Control Pump	KVA	0,2(0,5)												
	Amp. (400 Vac)	A	12,5	17,8			20,0			28,4					
Size	Length (L)	mm	4,954	4,998	5,540	6,038	5,460	5,958	6,483	6,293	6,818	7,318	6,974	7,475	
	Width (W)	mm	2,569	2,934	3,069	3,459	3,330	3,480	3,530	4,348	4,448	4,598	4,932	5,182	
	Height (H)	mm	2,744	3,057			3,390			3,678			3,700		
Weight	Rigging	mm	16,5	21,2	23,1	24,6	31,0	33,6	35,6	41,1	43,4	46,4	50,2	54,1	
	Operation	Ton	18,1	23,7	25,8	27,5	34,8	37,6	39,9	46,2	48,8	52,1	56,5	60,8	
Tube exchange space	Ton	4,500		5,200	5,700	5,200	5,700	6,200	5,700	6,200	6,700	6,200	6,700		

Field Installed



Lotte Chemical Industry
Hot Water / 1300RT 3units, 975RT 1unit



Incheon Airport
Hot Water / 975RT 8units



Gimpo Airport
Direct Fired / 700RT 12units



Sejong City Government Office
Hot Water / 600RT 8units



Cogeneration Plant
Hot Water / 210RT 4units, 180RT 3units



Daegu Regional Government Complex
Hot Water / 420RT 2units



Korea Venture Town
Hot Water / 340RT 6units, 300RT 4units



Everland
Hot Water / 400RT 3units, 210RT 3units



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