

Waste Heat Recovery Absorption Machine

Performance Data

Waste Heat Recovery (Single Effect Hot Water) Driven Type (75~375RT) →

Model		Unit	2AA075	2AA090	2AA110	2AA135	2AA155	2AA180	2AA210	2AA240	2AA270	2AA300	2AA340	2AA375	
Cooling Capacity	kW		264	316	387	475	545	633	738	844	949	1,055	1,196	1,319	
	usRT		75	90	110	135	155	180	210	240	270	300	340	375	
Chillrd Water	Inlet Temp./Outlet Temp.	°C	13 / 8												
	Flow rate	m ³ /h	45.4	54.4	66.5	81.6	93.7	109	127	145	163	181	206	227	
	Pressure Drop	mH ₂ O	3.7	3.8	4.6	4.8	4.3	4.6	3.2	3.4	3.4	3.5	3.1	3.2	
	Connection	mm	80		100			125			150		200		
Cooling Water	Inlet Temp./Outlet Temp.	°C	31 / 36												
	Flow rate	m ³ /h	156	188	229	281	323	375	438	500	563	625	709	782	
	Pressure Drop	mH ₂ O	4.7	5.0	12.0	13.0	13.0	13.4	7.1	7.1	7.3	7.2	7.1	7.2	
	Connection	mm	150		200			250			300				
Hot Water	Inlet Temp./Outlet Temp.	°C	70 / 60												
	Flow rate	ton/h	55.1	66.1	80.7	99.1	113.8	132.1	154.1	176.2	198.2	220.2	249.6	275.3	
		m ³ /h	56.3	67.6	82.6	101.4	116.4	135.2	157.7	180.2	202.8	225.3	255.3	281.6	
	Pressure Drop	Shell	mH ₂ O	5.8	6.5	5.3	6.1	6.7	7.1	5.9	6.2	5.6	5.7	5.5	5.7
		Control Valve	mH ₂ O	1.9	2.7	4.0	2.9	3.8	5.2	3.1	4.1	5.1	1.4	1.8	2.2
	Connection	mm	100		125			150			200				
Control Valve	mm	100		125			150			200					
Electric	Power source	-	3ø, 400V, 50Hz												
	Ref. Pump	kW (A)	3.0 (11.0)				3.8 (12.6)				4.8 (15.2)				
	Abs. Pump	kW (A)	0.2 (1.1)		0.3 (1.5)		0.4 (1.6)								
	Purge Pump	kW (A)	0.4 (1.5)												
	Control Panel	kW (A)	0.2 (0.5)												
	Total kW	kW	3.8	3.8	3.9	3.9	4.8	4.8	4.8	4.8	5.8	5.8	5.8	5.8	
	Total Ampere	A	14.1	14.1	14.5	14.5	16.2	16.2	16.2	16.2	18.8	18.8	18.8	18.8	
Size	Length (L)	mm	2,658		3,678		3,720		4,740		4,776		4,880		
	Width (W)	mm	2,281				2,623				2,795		3,022		
	Height (H)	mm	2,084				2,257				2,540		2,838		
Weight	Rigging	ton	4.8	5.1	6.3	6.6	7.9	8.3	9.7	10.1	12.4	13.0	14.9	15.4	
	Operation	ton	5.6	5.8	7.3	7.7	9.2	9.8	11.4	12.0	14.7	15.5	17.8	18.6	
Space for Tube Replacement	mm	2,400		3,400				4,500							

Note

- Working pressure of chilled water/cooling water circuit are based on 1.0Mpa [150psig].
- Fouling factor 0.0001m².h.°C/kcal for Absorber and Condenser, 0.0001m².h.°C/kcal for Evaporator.
- Standard power source is 3ph, 400V, 50Hz. Available 220, 380, 440V and 460V Power source.
- Catalogue specifications are subject to change without prior notice.

• 2AA240
[Zinc Factory, Korea]



2AA Series

Waste Heat Recovery Absorption Machine

Performance Data

Waste Heat Recovery (Single Effect Hot Water) Driven Type (420~1300RT)

Model		Unit	2AA420	2AA470	2AA525	2AA600	2AA675	2AA750	2AA825	2AA900	2AA975	2AA1050	2AA1125	2AA1300	
Cooling Capacity		kW	1,477	1,653	1,846	2,110	2,373	2,637	2,901	3,165	3,428	3,692	3,956	4,571	
		usRT	420	470	525	600	675	750	825	900	975	1,050	1,125	1,300	
Chillrd Water	Inlet Temp./Outlet Temp.	°C	13 / 8												
	Flow rate	m ³ /h	254	284	318	363	408	454	499	544	590	635	680	786	
	Pressure Drop	mH ₂ O	3.1	4.3	5.7	4.1	5.5	7.2	5.4	6.9	8.6	5.2	6.3	9.4	
	Connection	mm	200			250			300						
Cooling Water	Inlet Temp./Outlet Temp.	°C	31 / 36												
	Flow rate	m ³ /h	875	979	1,094	1,250	1,407	1,563	1,719	1,876	2,032	2,188	2,345	2,709	
	Pressure Drop	mH ₂ O	5.6	7.6	6.8	5.1	6.9	9.0	6.7	8.6	10.7	6.6	8.1	10.8	
	Connection	mm	350			400			450			500			
Hot Water	Inlet Temp./Outlet Temp.	°C	70 / 60												
	Flow rate	ton/h	308.3	345.0	385.4	440.4	495.5	550.5	606	661	716	771	826	954	
		m ³ /h	315.4	353.0	394.3	450.6	5.609	563.3	620	676	732	789	845	976	
	Pressure Drop	Shell	mH ₂ O	6.3	7.6	4.1	3.3	4.4	5.8	4.0	5.1	6.3	4.8	5.8	8.5
		Control Valve	mH ₂ O	2.8	3.5	4.4	2.5	3.1	3.9	4.7	1.8	2.1	2.4	2.8	3.7
	Connection	mm	250					300			400				
Control Valve	mm	200			250			300			300				
Electric	Power source	-	3ø, 400V, 50Hz												
	Ref. Pump	kW (A)	9.2 (27.0)					10.4 (35.0)			18.0 (64.0)				
	Abs. Pump	kW (A)	0.4 (1.6)			1.5 (4.0)									
	Purge Pump	kW (A)	0.4 (1.5)					0.75 (2.3)							
	Control Panel	kW (A)	0.2 (0.5)												
	Total kW	kW	10.2	10.2	10.2	11.3	11.3	11.3	12.9	12.9	12.9	20.5	20.5	20.5	
	Total Ampere	A	30.6	30.6	30.6	33.0	33.0	33.0	41.8	41.8	41.8	70.8	70.8	70.8	
Size	Length (L)	mm	4,998	5,540	6,038	5,654	6,158	6,683	6,293	6,818	7,318	7,008	7,508	8,475	
	Width (W)	mm	3,467			3,905			4,477			5,202			
	Height (H)	mm	3,222			3,600			3,850			4,000			
Weight	Rigging	ton	20.9	22.8	24.4	29.4	31.6	33.8	40.0	42.2	44.9	47.4	50.7	58.4	
	Operation	ton	25.3	27.5	29.6	34.8	37.4	39.9	47.4	50.1	53.1	57.7	61.7	70.5	
Space for Tube Replacement	mm	4,500	5,200	5,700	5,200	5,700	6,200	5,700	6,200	6,700	7,200	7,700	8,200		

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