



# SUBMITTAL DATA SHEET

## Air To Water Heat Pump

**Model Number:** XAW-288N8-YB2U

Location: \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Submitted to: \_\_\_\_\_  
Submitted by: \_\_\_\_\_  
Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
Date: \_\_\_\_\_  
Construction: \_\_\_\_\_  
Unit #: \_\_\_\_\_  
Drawing #: \_\_\_\_\_



### Performance

Nominal heating capacity	Tons	24	Nominal cooling capacity	Tons	20.6
Refrigerant Type	Type	R32	GWP (Global Warming Potential)		675
Refrigerant Charge	lbs	13.22 * 2	Workable ambient temperature range	°F(°C)	-13~110(-25~43)
Rated Heating capacity	Btu/hr	340938	Rated Cooling capacity	Btu/hr	247407
Heating input power	W	25741	Cooling input power	W	25445
COP	W/W	3.88	EER	(Btu/h)/W	9.72
Rated Heating Conditions	°F	Leaving Water Temp. : 95 Ambient ( DB/WB ) : 47/43	Rated Cooling Conditions	°F	Leaving Water Temp. : 44.6 Ambient ( DB/WB ) : 95/75.2

Performance values indicated above are in accordance with EN14511

# Product Details

## Product Details

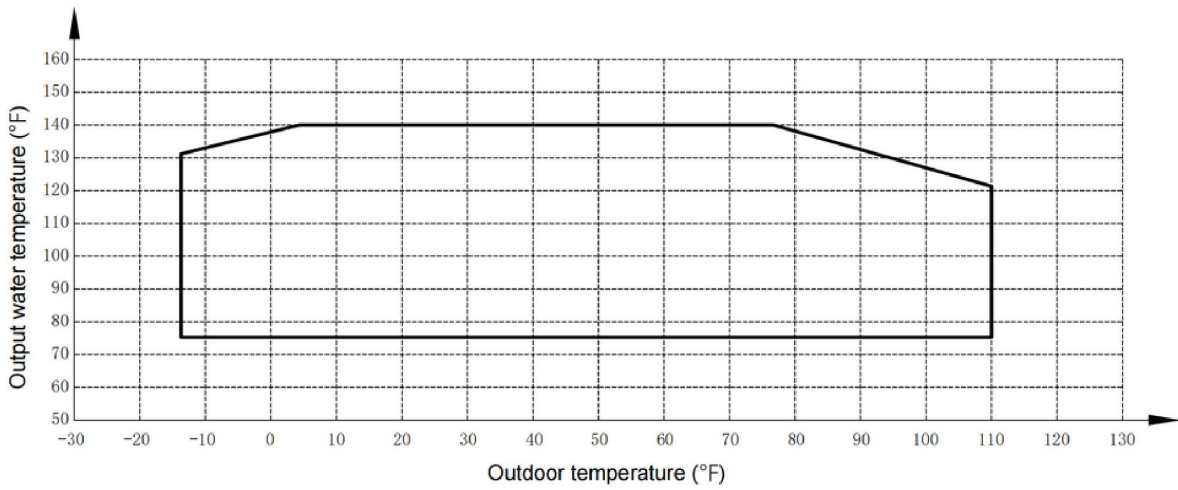
Power Supply	V/Ph/Hz	460~480/3/60	Compressor Type		Twin-Scroll Inverter
Power Supply Connections		L1, L2,L3 ,N ,Ground	Sound Pressure (Daytime Max/Rated/Low Noise)	dB(A)	69/65/62
Min. Circuit Amps MCA	A	70.9	Max Overcurrent Protection (MOP)	A	88
Cooling Mode Leaving Water Temp	°F(°C)	44.6~80.6(7~27)	Heating Mode Leaving Water Temp	°F(°C)	77~140(25~60)
Piping Connections Inlet/ Outlet	in	2-1/2 Class 150 flange ANSI B16.5 standard	Water flow	GPM	56.5
Net Dimensions (LxWxH)	in	81-1/2 x 48-3/8 x 88-7/8	Shipping Dimensions (LxWxH)	in	84-1/2 × 51 × 94-3/4
	mm	2070 x 1230 x 2256		mm	2145 x 1295 x 2439
Net / Shipping Weight	lbs	2202/2421	Net / Shipping Weight	kg	999/1098

### Notes:

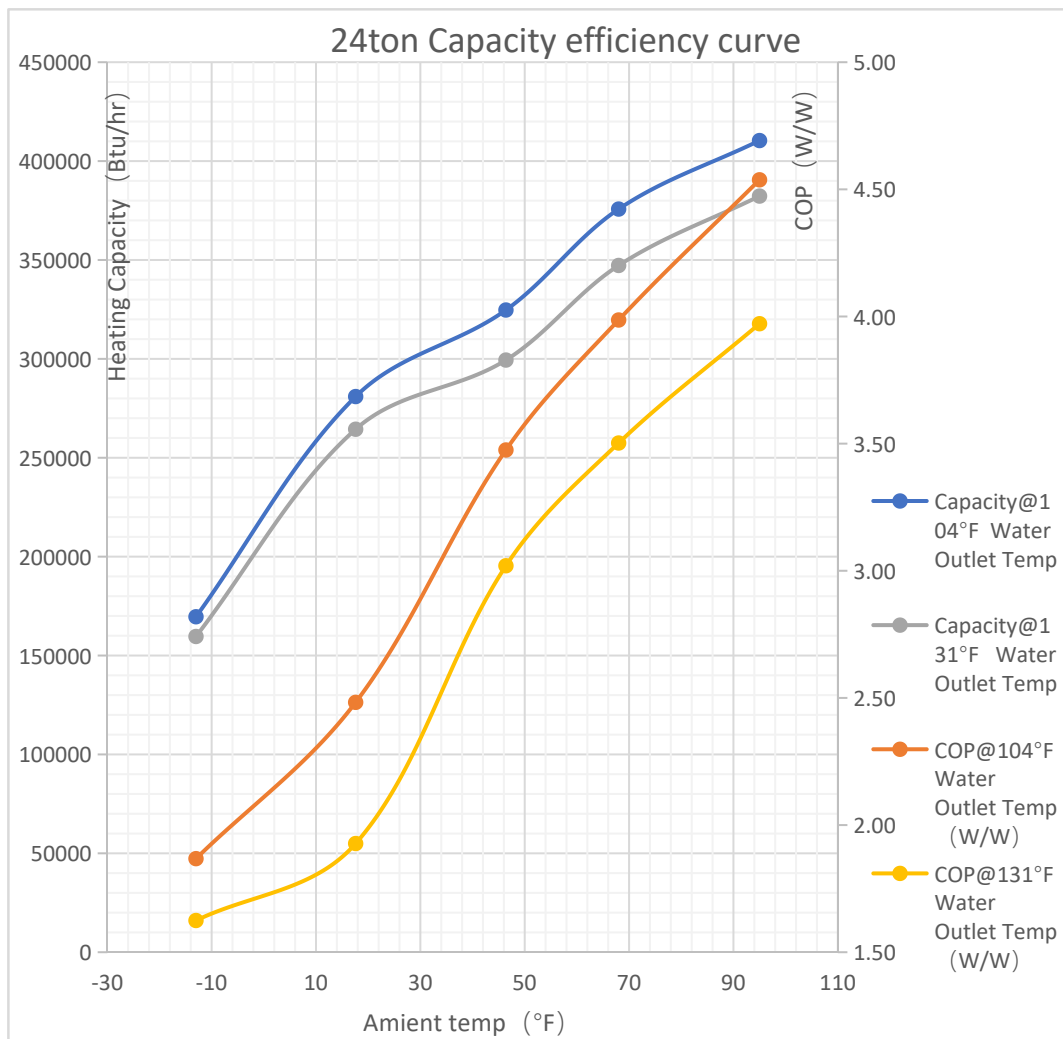
- Must follow installation instructions in the applicable installation manual.
  1. Power wiring size must comply with the applicable local and national code.
  2. Acceptable operating voltage range: 460 - 480V.
  3. Sound power level is measured in accordance with ISO 9614.
    - Daytime Max: This mode is measured based on max. fan RPM and max. compressor Hz. that can be reached under outdoor air temperature of 35.6°F.
    - Rated: This mode is measured on the rated condition in the semi-anechoic rooms. Therefore, these values may vary depending on operation conditions.
    - Low Noise: This mode lowers noise by limiting the compressor Hz. and fan RPM, and thus the performance may be limited.
  4. Sound pressure level is converted value at 1m distance .
  5. All installation sites must be equipped with ground fault protection in accordance with the local codes, such as a Ground Fault Protection device or Ground Fault Circuit Breaker.

# Operating Envelop

Working area (R32)



# Heating Curve

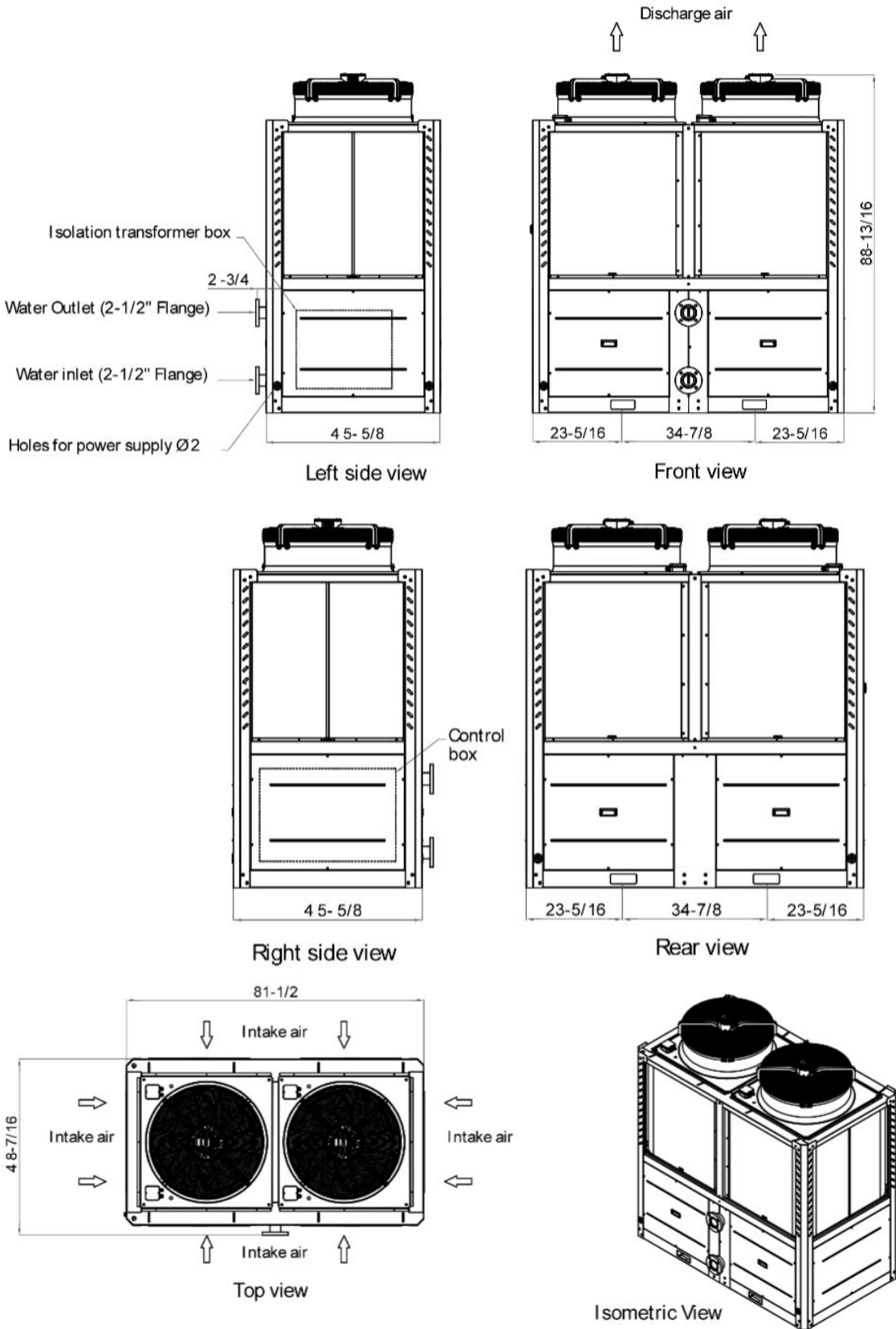


# Heating Capacity Table

## 24ton (R32)-Heating

Amient temp	Water Outlet Temp (°F)	Heating Capacity (Btu/hr)	Input Power (W)	COP (W/W)	Note
DB95°F	140	363195	29058	3.66	
	131	382311	28211	3.97	
	122	390113	27658	4.13	
	113	398075	27036	4.32	
	104	410386	26506	4.54	
	95	418762	25734	4.77	
DB86°F	140	352441	29905	3.45	
	131	370990	29319	3.71	
	122	382464	28465	3.94	
	113	390269	27907	4.10	
	104	402340	27360	4.31	
	95	410551	27089	4.44	
DB77°F	140	342489	29444	3.41	
	131	353081	29009	3.57	
	122	364001	28580	3.73	
	113	375259	28158	3.91	
	104	386865	27606	4.11	
	95	394760	27065	4.27	
DB68°F	140	336816	29636	3.33	
	131	347233	29055	3.50	
	122	357650	28764	3.64	
	113	364803	28189	3.79	
	104	375747	27625	3.99	
	95	387020	26797	4.23	
DB46.4°F	140	293415	30510	2.82	
	131	299403	29057	3.02	
	122	305513	28211	3.17	
	113	314962	27658	3.34	
	104	324703	27384	3.48	
	95	340938	25741	3.88	
DB35.6°F	140	281061	36565	2.25	
	131	286797	34824	2.41	
	122	292650	33166	2.59	
	113	298622	31586	2.77	
	104	304717	30082	2.97	
	95	310935	28650	3.18	
DB17.6°F	140	256494	42217	1.78	
	131	264427	40206	1.93	
	122	269823	36565	2.16	
	113	275330	34824	2.32	
	104	280949	33166	2.48	
	95	286682	31586	2.66	
DB10°F	131	204480	29111	2.06	
	122	210804	28263	2.19	
	113	217323	27176	2.34	
	104	224045	26131	2.51	
	95	230766	25086	2.70	
DB-13°F	131	159638	28796	1.62	
	122	162896	28232	1.69	
	113	166221	27409	1.78	
	104	169613	26611	1.87	
	95	173074	26089	1.94	

# Dimension Drawing



## Feature

- Eco-Friendly R32 Refrigerant -A2L refrigerant in low GWP675.
- EVI Inverter Twin-Scroll Compressor – Ensuring stable operation down to -13°F .
- Smart Anti-Freeze Protection – Automatically activates in standby mode to prevent freezing.
- Intelligent Defrost System – Rapid, demand-based defrosting for minimal temperature fluctuation and 30% higher efficiency.
- Scalable Cascade Function – Connect up to 8 units for enhanced reliability and extended lifespan.
- Standard Limited Warranty – 10-years coverage on compressor and all components.
- Unit UL-60335-2-40 (safety) , AHRI 550/590 (performance) approved.