



## SUBMITTAL DATA SHEET

### AHU Heat Pump System

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

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

**Set Model**  
 Indoor unit model           CCOXHAAH24V24  
 Outdoor unit model       CCOXHA24V24P

**Certified**

  
 AHRI

  
 UL LISTED

  
 ENERGY STAR



### SYSTEM PERFORMANCE DATA

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity(Outdoor)	(A)	20.5
Max.fuse(Outdoor)	(A)	35.0
Connection wiring		14AWG*2 Stranded, shielded
<b>Cooling</b>		
Capacity	(Btu/h)	24000(6400~27000)
Power Input	(W)	2050(740~2450)
Current	(A)	9.1(5.3~11)
SEER2	(Btu/W)	17.4
EER2	(Btu/W)	11.7
<b>Heating</b>		
Capacity	(Btu/h)	24000(10100~31000)
Power Input	(W)	2100(660~2900)
Current	(A)	9.3(4.87~12.90)
HSPF2-4	(Btu/W)	10.0
HSPF2-5	(Btu/W)	8.0
COP	W/W	3.35
Heat at 17F(H32)	(Btu/h)	19200
Heat at 5F(H42)	(Btu/h)	22600
COP at 5F(H42)	W/W	1.91

### REFRIGERANT PIPE DATA

Throttle type	Indoor unit	EEV for cooling
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	102.32
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.69
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 3/4"
Max. pipe length	(ft)	164.0
Max. difference in level	(ft)	82.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	60~90
Indoor(heating)	(Deg. °F)	32~86
Outdoor(cooling)	(Deg. °F)	5~122
Outdoor(heating)	(Deg. °F)	-22~75

### INDOOR UNIT DATA

<b>Indoor fan motor</b>			
Model			ZKFD-250-8-1
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		3.0
Speed(Hi/Mi/Lo)	(r/min)		/
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	823.53/758.82/694.12/629.41	
Indoor noise level (Hi/Med/Lo)	[dB(A)]		39/36/33
<b>Dehumidification</b>	(L/H)		1.98
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)		21.02x17.52x45.00
Packing(WxDxH)	(inch)		26.57x20.87x48.62
Net/Gross weight	(lbs.)		105.60/127.43

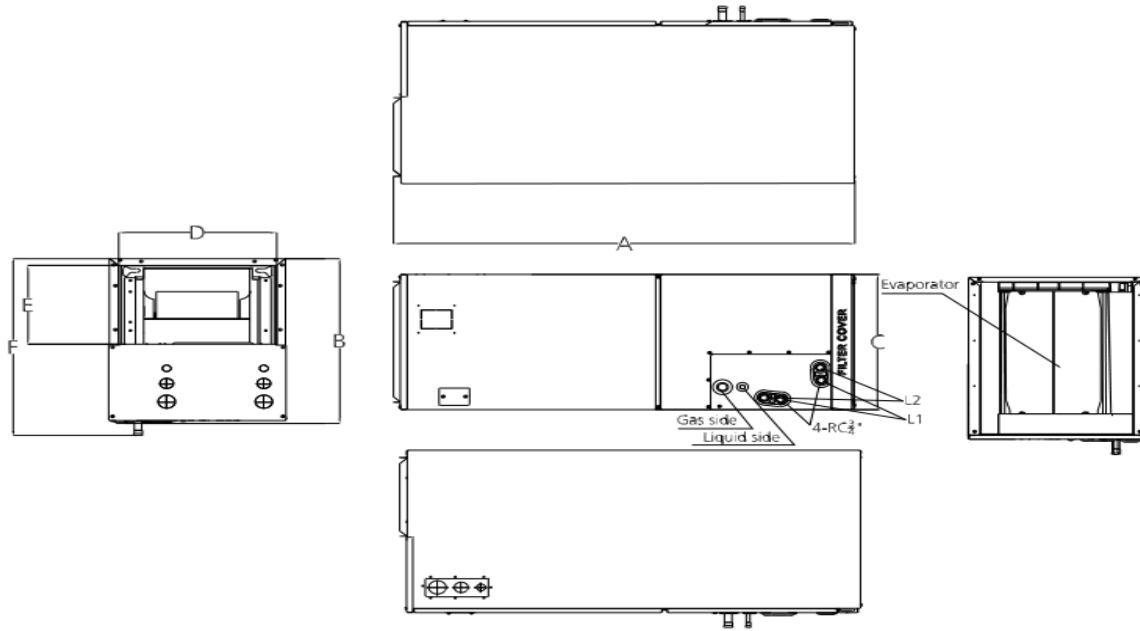
### OUTDOOR UNIT DATA

<b>Compressor</b>			
Type			Twin-ROTARY
Model			KTM240D57UMT
Brand			GMCC
Capacity	(Btu/h)		26409
Input	(W)		2085
Rated current (RLA)	(A)		15
Refrigerant oil/oil charge	(ml)		ESTER OIL VG74 670
<b>Outdoor fan motor</b>			
Model			ZKFN-120-8-2
Qty			1
Input	(W)		150.0
Output	(W)		120
RLA	(A)		1.4
Speed	(r/min)		950/700/500/400
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)		3000
Outdoor noise level	[dB(A)]		62.0
<b>Outdoor unit</b>			
Dimension (WxDxH)	(inch)		37.24x16.14x31.89
Packing (WxDxH)	(inch)		42.91x19.69x34.84
Net/ Gross weight	(lbs.)		136.69/145.50

### Accessories

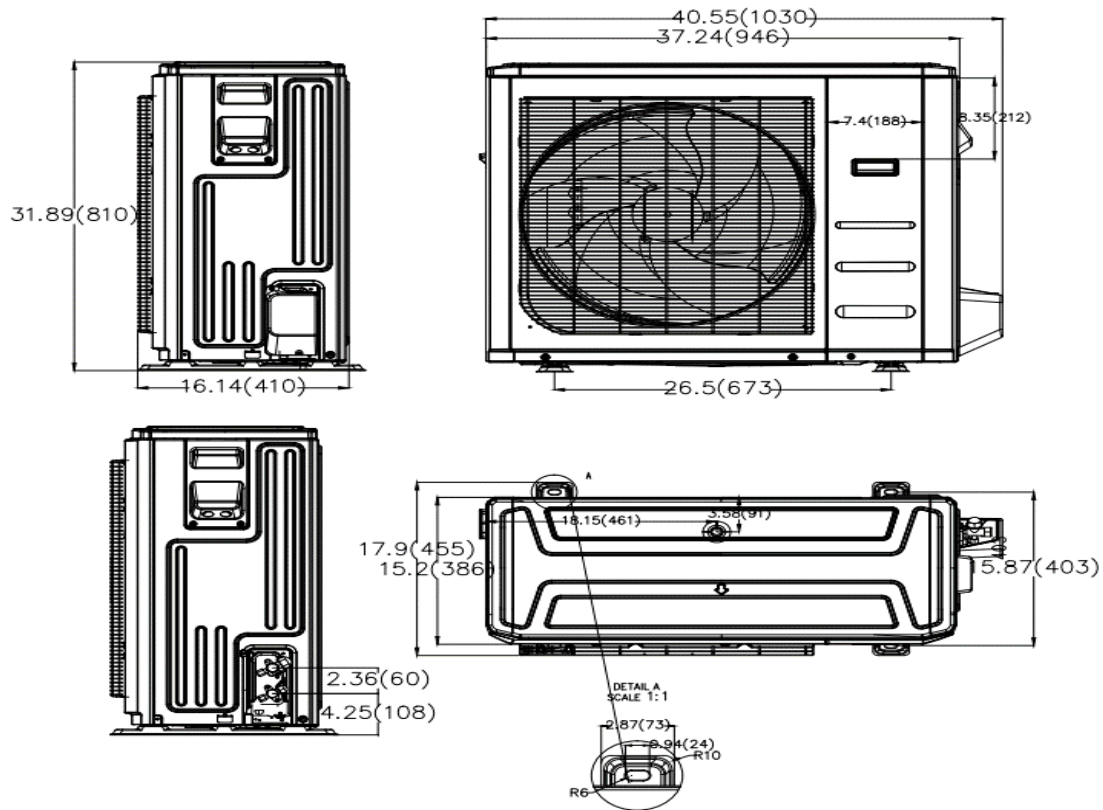
Adaptor for welding(3/4")	Qty	1 Indoor & 1 Outdoor
Adaptor for welding(3/8")	Qty	2 Indoor & 1 Outdoor
Adaptor (5/8" to 3/4")	Qty	1 Indoor

Indoor unit dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k~24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k-48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor unit dimension



Fan performance

