



# SUBMITTAL DATA SHEET

## AHU Heat Pump System

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

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

**Set Model**  
 Indoor unit model CCOXHAAHU18  
 Outdoor unit model CCOXHASZ17HP

**Certified**

AHRI



## 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)	20.0
Max.fuse(Outdoor)	(A)	25.0
Connection wiring		14AWG*4
<b>Cooling</b>		
Capacity	(Btu/h)	18000(8600~20000)
Power Input	(W)	1538(280~1900)
Current	(A)	9.1(1.9~8.5)
SEER2	(Btu/W)	17.6
EER2	(Btu/W)	11.7
<b>Heating</b>		
Capacity	(Btu/h)	19000(9000~21000)
Power Input	(W)	1643(480~1920)
Current	(A)	9.3(2.1~8.5)
HSPF2-4	(Btu/W)	9.6
HSPF2-5	(Btu/W)	8.1
COP	W/W	3.39
Heat at 17F(H32)	(Btu/h)	15400
Heat at 5F(H42)	(Btu/h)	17000
COP at 5F(H42)	W/W	2.00

## REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	65.26
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Liquid side/ Gas side(indoor)	(inch)	1/4"/1/2"
Liquid side/ Gas side(outdoor)	(inch)	1/4"/1/2"
Max. pipe length	(ft)	98.4
Max. difference in level	(ft)	65.6
Connection method		Flared
Indoor(cooling)	(Deg. °F)	60~90
Indoor(heating)	(Deg. °F)	32~86
Outdoor(cooling)	(Deg. °F)	-22~122
Outdoor(heating)	(Deg. °F)	-22~75

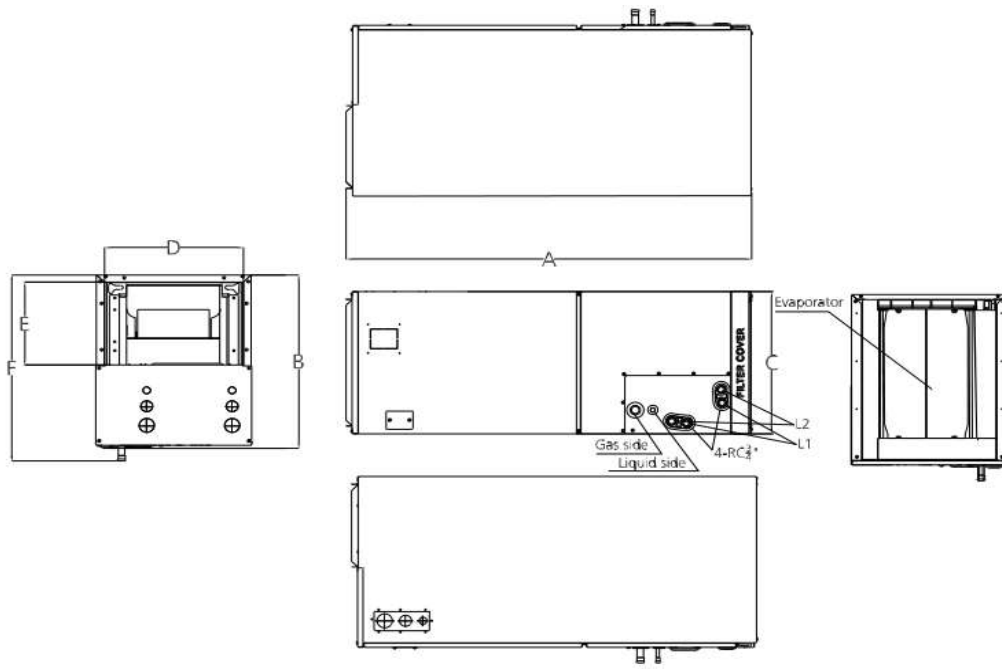
## INDOOR UNIT DATA

<b>Indoor fan motor</b>		
Model		ZKFD-250-8-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	2.0
Speed(Hi/Mi/Lo)	(r/min)	/
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	617.65/576.47/529.41/488.24
Indoor noise level (Hi/Med/Lo)	[dB(A)]	39/37/35
<b>Dehumidification</b>		
Indoor unit	(L/H)	1.77
Dimension (WxDxH)	(inch)	21.02x17.52x45.00
Packing(WxDxH)	(inch)	26.57x20.87x48.62
Net/Gross weight	(lbs.)	106.70/127.21

## OUTDOOR UNIT DATA

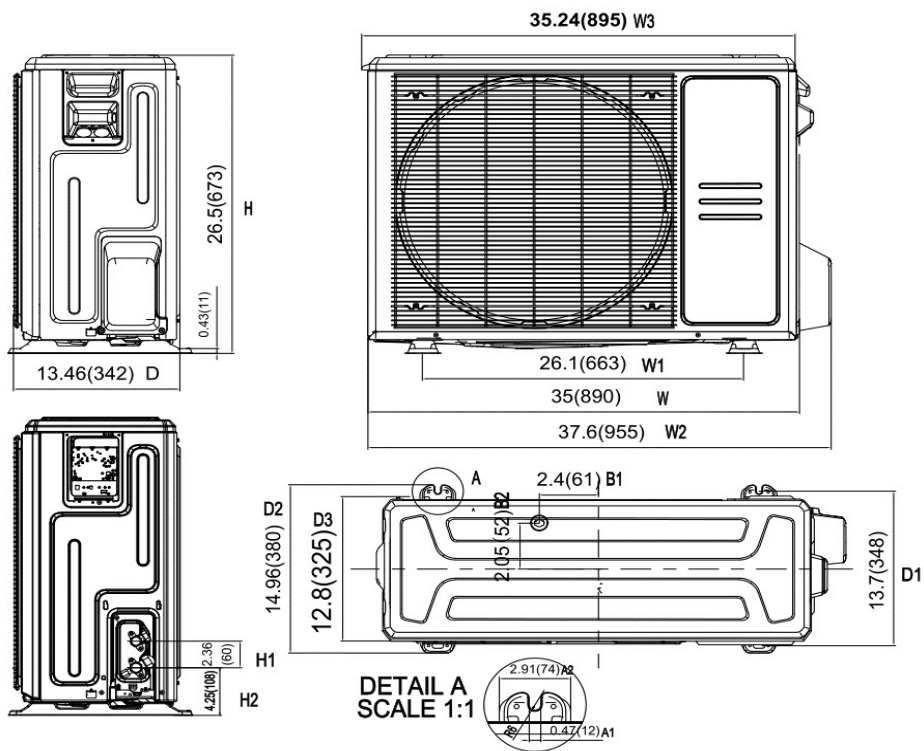
<b>Compressor</b>		
Type		Twin-ROTARY
Model		KTM240D43UKT
Brand		GMCC
Capacity	(Btu/h)	25931
Input	(W)	2045
Rated current (RLA)	(A)	14.25
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 620
<b>Outdoor fan motor</b>		
Model		ZKFN-80-8-3
Qty		1
Input	(W)	/
Output	(W)	80
RLA	(A)	0.8
Speed	(r/min)	810/720
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1765
Outdoor noise level	[dB(A)]	59.0
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	35.04x13.46x26.50
Packing (WxDxH)	(inch)	39.17x15.67x29.13
Net/ Gross weight	(lbs.)	100.97/108.03

**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

