



SUBMITTAL DATA SHEET

AHU Heat Pump System	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Model
 Indoor unit model CCOXHAAH24V48
 Outdoor unit model CCOXHA24V48P

Certified

AHRI

UL

ENERGY STAR



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity(Outdoor)	(A)	42.0
Max.fuse(Outdoor)	(A)	50.0
Connection wiring		14AWG*2 Stranded, shielded
Cooling		
Capacity	(Btu/h)	47000(15000~48000)
Power Input	(W)	5731(815~5700)
Current	(A)	24.95(3.54~25.3)
SEER2	(Btu/W)	15.6
EER2	(Btu/W)	8.2
Heating		
Capacity	(Btu/h)	50000(11000~55000)
Power Input	(W)	4652(830~5700)
Current	(A)	21.20(3.60~26)
HSPF2-4	(Btu/W)	9.4
HSPF2-5	(Btu/W)	7.7
COP	W/W	3.15
Heat at 17F(H32)	(Btu/h)	36000
Heat at 5F(H42)	(Btu/h)	46000
COP at 5F(H42)	W/W	1.90

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	169.31
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)	213.3
Max. difference in level	(ft)	98.4
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

Indoor fan motor	
Model	ZKFD-560-8-1-1
Qty	1
Input	(W) /
Output	(W) /
RLA	(A) 6.0
Speed(Hi/Mi/Lo)	(r/min) /
Air flow & Noise level	
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM) 470.59/1282.35/1094.12/905.88
Indoor noise level (Hi/Med/Lo)	[dB(A)] 50/47/43.5
Dehumidification	
	(L/H) 4.96
Indoor unit	
Dimension (WxDxH)	(inch) 21.02x21.02x49.02
Packing(WxDxH)	(inch) 26.57x24.41x52.56
Net/Gross weight	(lbs.) 130.51/156.31

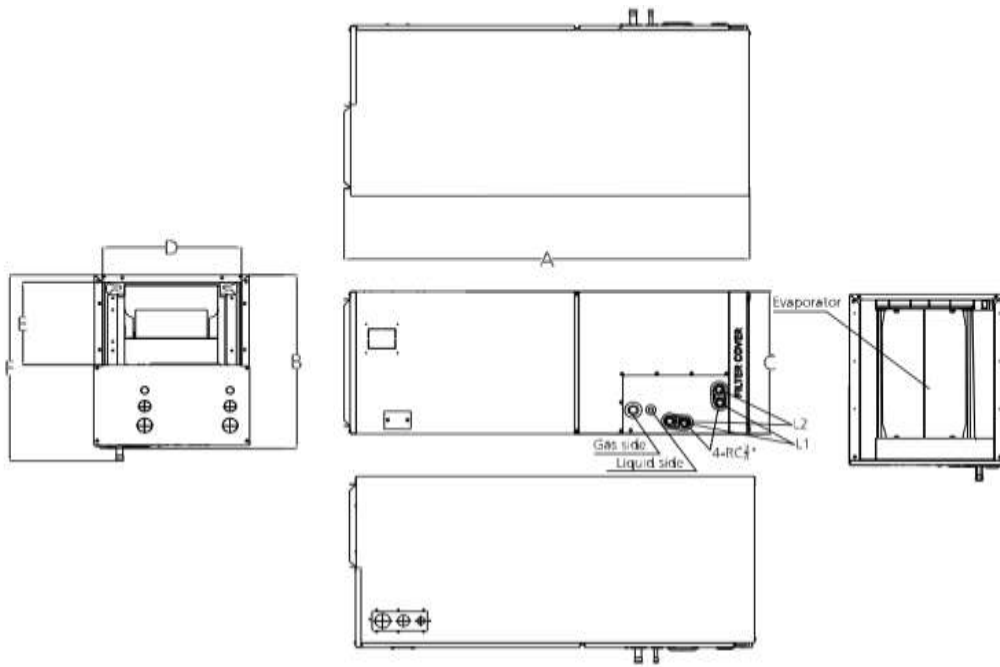
OUTDOOR UNIT DATA

Compressor	
Type	ROTARY
Model	EAPQ420D1UMUA
Brand	GMCC
Capacity	(Btu/h) 44015
Input	(W) 3565 ±3%
Rated current (RLA)	(A) 33
Refrigerant oil/oil charge	(ml) 1460±15ml ESTER OIL VG74
Outdoor fan motor	
Model	ZKFN-85-8-22-5
Qty	2
Input	(W) 126.0
Output	(W) 85
RLA	(A) 1.2
Speed	(r/min) 850/750/650
Air flow & Noise level	
Outdoor air flow (Max.)	(CFM) 4412
Outdoor noise level	[dB(A)] 64.0
Outdoor unit	
Dimension (WxDxH)	(inch) 37.48x16.34x52.48
Packing (WxDxH)	(inch) 43.11x19.49x58.27
Net/ Gross weight	(lbs.) 220.24/248.90

Accessories

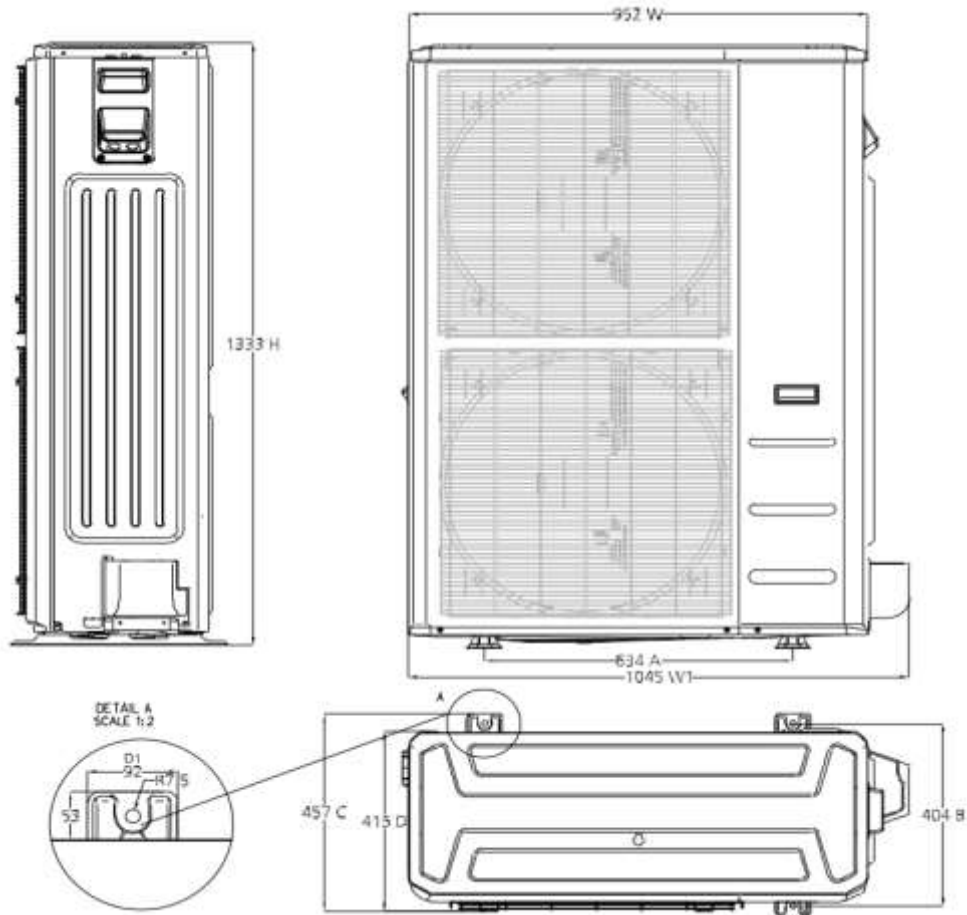
Adaptor for welding(3/4")	Qty	1 Indoor & 1 Outdoor
Adaptor for welding(3/8")	Qty	2 Indoor & 1 Outdoor
Adaptor (5/8" to 3/4")	Qty	1 Indoor

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

