



## SUBMITTAL DATA SHEET

### AHU Heat Pump System

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

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

**Set Code**  
 Indoor unit code 22023110000895  
 Outdoor unit code 22023111000250  
 Outdoor unit code 22023116000081

**Set Model**  
 Indoor unit model MIU-A24V-4  
 Outdoor unit model MOU-A24V-4

**Certified**  
 AHRI   
 UL 



### 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) 19.0  
 Max. fuse (Outdoor) (A) 30.0  
 Connection wiring 14AWG\*2 Stranded, shielded

**Cooling**  
 Capacity (Btu/h) 24000(7500-26000)  
 Power Input (W) 2280(280-3450)  
 Current (A) 10.1(2.4-18)  
 SEER2 (Btu/W) 17.0  
 EER2 (Btu/W) 10.5

**Heating**  
 Capacity (Btu/h) 26000(5600-30000)  
 Power Input (W) 2240(350-3000)  
 Current (A) 9.9(2.7-16)  
 HSPF2-4 (Btu/W) 9.2  
 HSPF2-5 (Btu/W) 7.6  
 COP W/W 3.40  
 Heat at 17F(H32) (Btu/h) 21000  
 Heat at 5F(H42) (Btu/h) 19400  
 COP at 5F(H42) W/W 2.10

### REFRIGERANT PIPE DATA

	Indoor unit	EEV for cooling
Throttle type	Indoor unit	EEV for heating
Design pressure	Outdoor unit	550/340
Refrigerant Type	(PSIG)	R410A
Refrigerant charge	oz	74.08
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(m)	7.5
Additional charge for each m	(oz/ft)	0.69
	(g/m)	65.0
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 5/8"
	(mm)	9.52/16
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	60~90
	(Deg. °C)	16~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	5~122
	(Deg. °C)	-15~50
Outdoor(heating)	(Deg. °F)	5~75
	(Deg. °C)	-15~24

### INDOOR UNIT DATA

**Indoor fan motor**  
 Model ZKFD-250-8-1  
 Qty 1  
 Input (W) /  
 Output (W) /  
 RLA (A) 26408.9  
 Speed(Hi/Mi/Lo) (r/min) /

**Air flow & Noise level**  
 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)] 42/40/37

**Dehumidification**  
 (L/H) 2.38

**Indoor unit**  
 Dimension (WxDxH) (inch) 21.02x17.52x45.00  
 (mm) 534x445x1143  
 Packing(WxDxH) (inch) 26.57x20.87x48.62  
 (mm) 675x530x1235  
 Net/Gross weight (lbs.) 105.60/127.43  
 (kg) 47.9/57.8

**Accessories**  
 Adaptor for welding(3/4") Qty 1  
 Adaptor for welding(3/8") Qty 1

### OUTDOOR UNIT DATA

**Compressor**  
 Type Twin-ROTARY  
 Model KTM240D57UMT  
 Brand GMCC  
 Capacity (Btu/h) 26409  
 Input (W) 2085  
 Rated current (RLA) (A) 14  
 Refrigerant oil/oil charge (ml) ESTER OIL VG74 670

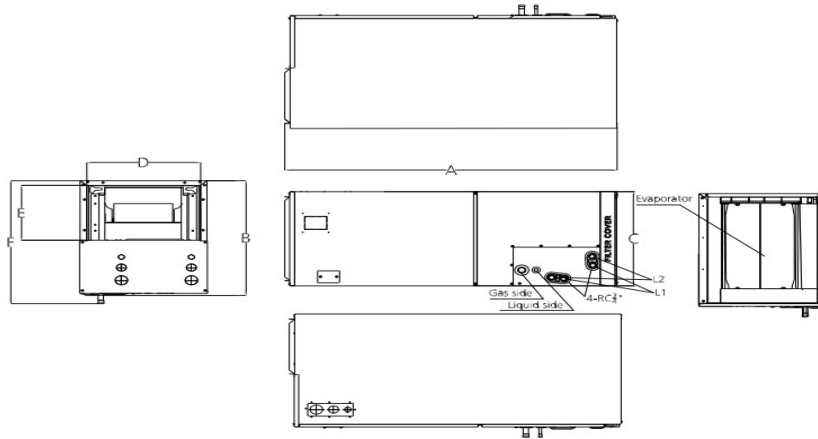
**Outdoor fan motor**  
 Model ZKFN-80-8-3  
 Qty 1  
 Input (W) /  
 Output (W) 80  
 RLA (A) 1.0  
 Speed (r/min) 810/720

**Air flow & Noise level**  
 Outdoor air flow (Max.) (CFM) 1765  
 Outdoor noise level [dB(A)] 60.0

**Outdoor unit**  
 Dimension (WxDxH) (inch) 35.04x13.46x26.50  
 (mm) 890x342x673  
 Packing (WxDxH) (inch) 39.17x15.67x29.13  
 (mm) 995x398x740  
 Net/ Gross weight (lbs.) 102.29/109.13  
 (kg) 46.4/49.5

**Accessories**  
 Adaptor for welding(3/4") Qty 1  
 Adaptor for welding(3/8") Qty 1  
 Adaptor (5/8" to 3/4") Qty 1

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

