



## SUBMITTAL DATA SHEET

### AHU Heat Pump System

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

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

<b>Set Code</b>	22023110000867
Indoor unit code	22023111000251
Outdoor unit code	22023116000082
<b>Set Model</b>	
Indoor unit model	MIU-A36V-4
Outdoor unit model	MOU-A36V-4
<b>Certified</b>	
AHRI	
UL	



### 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)	24.0
Max.fuse(Outdoor)	(A)	40.0
Connection wiring		14AWG*2 Stranded, shielded
<b>Cooling</b>		
Capacity	(Btu/h)	36000(8900~38900)
Power Input	(W)	3560(320~4030)
Current	(A)	15.82(2.60~17.90)
SEER2	(Btu/W)	16.9
EER2	(Btu/W)	10.1
<b>Heating</b>		
Capacity	(Btu/h)	36000(9700~36400)
Power Input	(W)	3110(470~3690)
Current	(A)	15.8(3.5~15.5)
HSPF2-4	(Btu/W)	8.2
HSPF2-5	(Btu/W)	6.1
COP	W/W	3.39
Heat at 17F(H32)	(Btu/h)	20500
Heat at 5F(H42)	(Btu/h)	21000
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	130.51
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.69
Additional charge for each m	(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" / 3/4"
	(mm)	9.52/19
Max. pipe length	(ft)	213.3
	(m)	65.0
Max. difference in level	(ft)	98.4
	(m)	30.0
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

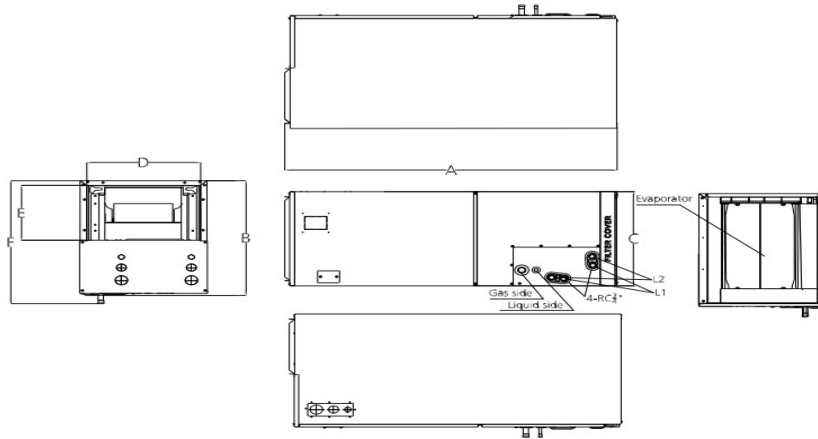
### INDOOR UNIT DATA

<b>Indoor fan motor</b>		
Model		ZKFD-375-8-1-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	27620.1
Speed(Hi/Mi/Lo)	(r/min)	/
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1188.24/1082.35/970.59/864.71
Indoor noise level (Hi/Med/Lo)	[dB(A)]	45.5/42.5/40
<b>Dehumidification</b>	(L/H)	3.62
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	26.57x24.41x52.56
	(mm)	675x620x1335
Net/Gross weight	(lbs.)	129.19/155.64
	(kg)	58.6/70.6
<b>Accessories</b>		
Adaptor for welding(3/4")	Qty	1
Adaptor for welding(3/8")	Qty	1

### OUTDOOR UNIT DATA

<b>Compressor</b>		
Type		ROTARY
Model		KTF250D22UMT
Brand		GMCC
Capacity	(Btu/h)	27620
Input	(W)	2200
Rated current (RLA)	(A)	17.6
Refrigerant oil/oil charge	(ml)	VG74/670
<b>Outdoor fan motor</b>		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
Output	(W)	120
RLA	(A)	1.5
Speed	(r/min)	1150/1050/900/850
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	[dB(A)]	60.0
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (WxDxH)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	151.68/161.16
	(kg)	68.8/73.1
<b>Accessories</b>		
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

