



SUBMITTAL DATA SHEET

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

Set Code	22023110000847
Indoor unit code	22023111000270
Outdoor unit code	22023116000101
Set Model	
Indoor unit model	MIU-A30V-4
Outdoor unit model	MOU-A30V-4
Certified	
AHRI	
UL	



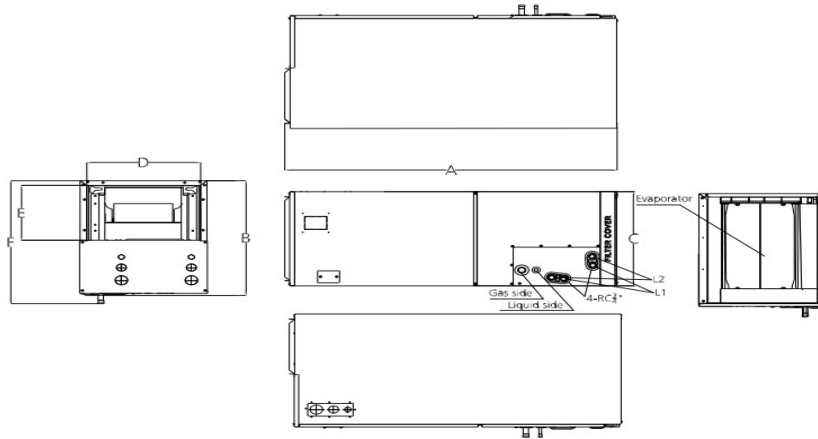
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208-230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity(Outdoor)	(A)	20.0	
Max.fuse(Outdoor)	(A)	35.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	30000(9500-33000)	
Power Input	(W)	2835(720-3330)	
Current	(A)	13.20(4.80-14.90)	
SEER2	(Btu/W)	17.3	
EER2	(Btu/W)	10.6	
Heating			
Capacity	(Btu/h)	31000(12200-32000)	
Power Input	(W)	2795(1000-2960)	
Current	(A)	12.40(6.70-12.80)	
HSPF2-4	(Btu/W)	8.5	
HSPF2-5	(Btu/W)	6.6	
COP	W/W	3.25	
Heat at 17F(H32)	(Btu/h)	20000	
Heat at 5F(H42)	(Btu/h)	17800	
COP at 5F(H42)	W/W	1.70	

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	107.59
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)	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-375-8-1-1
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		27620.1
Speed(Hi/Mi/Lo)	(r/min)		/
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1088.24/894.12/805.88/711.76	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	40.5/37.5/28	
Dehumidification	(L/H)		3.41
Indoor unit			
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	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1

OUTDOOR UNIT DATA			
Compressor			
Type			ROTARY
Model			KTF250D22UMT
Brand			GMCC
Capacity	(Btu/h)		27620
Input	(W)		2200
Rated current (RLA)	(A)		16
Refrigerant oil/oil charge	(ml)		VG74/670
Outdoor fan motor			
Model			ZKFN-120-8-2
Qty			1
Input	(W)		150.0
Output	(W)		120
RLA	(A)		1.4
Speed	(r/min)		1150/1050/900/850
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		3000
Outdoor noise level	[dB(A)]		59.5
Outdoor unit			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	141.76/151.46	
	(kg)	64.3/68.7	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	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

