



SUBMITTAL DATA SHEET

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

Set Code	2202311000928
Indoor unit code	22023111000271
Outdoor unit code	22023116000162
Set Model	
Indoor unit model	MIU-A18V-4
Outdoor unit model	MOU-A18VH-4
Certified	
AHRI	
UL	



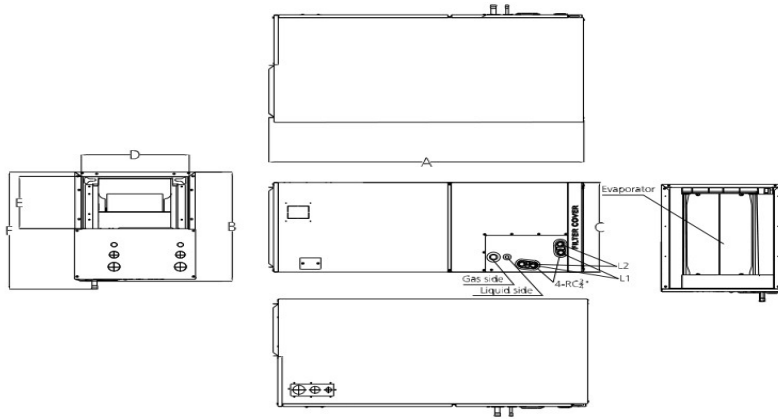
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity(Outdoor)	(A)	16.0	
Max.fuse(Outdoor)	(A)	20.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	18000(6880~21000)	
Power Input	(W)	1450(260~1890)	
Current	(A)	6.4(1.5~8.3)	
SEER2	(Btu/W)	18.0	
EER2	(Btu/W)	12.4	
Heating			
Capacity	(Btu/h)	19000(2800~21000)	
Power Input	(W)	1530(430~1920)	
Current	(A)	6.8(2.5~8.5)	
HSPF2-4	(Btu/W)	9.3	
HSPF2-5	(Btu/W)	7.6	
COP	W/W	3.64	
Heat at 17F(H32)	(Btu/h)	13500	
Heat at 5F(H42)	(Btu/h)	16500	
COP at 5F(H42)	W/W	2.04	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
Design pressure	Outdoor unit	EEV for heating	
Refrigerant Type	(PSIG)	550/340	
Refrigerant charge		R410A	
Refrigerant precharge	oz	81.13	
Additional charge for each ft	(ft)	25.0	
Additional charge for each m	(m)	7.5	
Liquid side/ Gas side(indoor)	(oz/ft)	0.69	
Liquid side/ Gas side(outdoor)	(g/m)	65.0	
Max. pipe length	(inch)	3/8" / 3/4"	
Max. difference in level	(mm)	9.52/19	
Connection method	(inch)	3/8" / 5/8"	
Indoor(cooling)	(mm)	9.52/16	
Indoor(heating)	(ft)	98.4	
Outdoor(cooling)	(m)	30.0	
Outdoor(heating)	(ft)	65.6	
Outdoor(heating)	(m)	20.0	
Indoor(cooling)	(Deg. °F)	60~90	
Indoor(heating)	(Deg. °C)	16~32	
Outdoor(cooling)	(Deg. °F)	32~86	
Outdoor(heating)	(Deg. °C)	0~30	
Indoor(cooling)	(Deg. °F)	5~122	
Indoor(heating)	(Deg. °C)	-15~50	
Outdoor(cooling)	(Deg. °F)	-22~75	
Outdoor(heating)	(Deg. °C)	-30~24	

INDOOR UNIT DATA			
Indoor fan motor			
Model		ZKFD-250-8-1	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	2.0	
Speed(Hi/Mi/Lo)	(r/min)	/	
Air flow & Noise level			
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)]	34/31/30	
Dehumidification	(L/H)	1.67	
Indoor unit			
Dimension (WxDxH)	(inch)	21.02x17.52x45.00	
Packing(WxDxH)	(mm)	534x445x1143	
Net/Gross weight	(inch)	26.57x20.87x48.62	
Adaptor for welding(3/4")	(mm)	675x530x1235	
Adaptor for welding(3/8")	(lbs.)	105.82/129.41	
Accessories	(kg)	48/58.7	
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)	10	
Refrigerant oil/oil charge	(mi)	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)	800/700/580	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	1279	
Outdoor noise level	[dB(A)]	57.0	
Outdoor unit			
Dimension (WxDxH)	(inch)	35.04x13.46x26.50	
Packing (WxDxH)	(mm)	890x342x673	
Net/ Gross weight	(inch)	39.17x15.67x29.13	
Adaptor for welding(3/4")	(mm)	995x398x740	
Adaptor for welding(3/8")	(lbs.)	102.95/109.79	
Accessories	(kg)	46.7/49.8	
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

