



**SUBMITTAL DATA SHEET**

<b>Ceiling&amp;Floor Heat Pump System</b>	
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

<b>Set Code</b>	22022710003699
Indoor unit code	22022711000421
Outdoor unit code	22022016015920
<b>Set Model</b>	
Indoor unit model	MIU-A24F-2
Outdoor unit model	MOU-A24H-2
<b>Certified</b>	



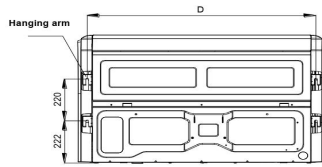
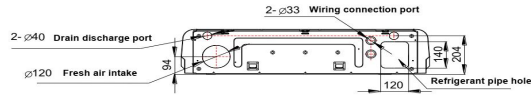
SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
<b>Electrical</b>			
Minimum circuit ampacity(Outdoor)	(A)	25.0	
Max.fuse(Outdoor)	(A)	35.0	
Connection wiring		14#x4	
<b>Cooling</b>			
Capacity	(Btu/h)	24000(5400~26800)	
Power Input	(W)	2087(250~2400)	
Current	(A)	9.55(2.0~11.0)	
SEER2	(Btu/W)	20.5	
EER2	(Btu/W)	11.7	
<b>Heating</b>			
Capacity	(Btu/h)	25000(12500~30500)	
Power Input	(W)	2060(730~2500)	
Current	(A)	9.15(5.0~11.0)	
HSPF2-4	(Btu/W)	11.0	
HSPF2-5	(Btu/W)	9.0	
COP	W/W	3.56	
Heat at 17F(H32)	(Btu/h)	19000	
Heat at 5F(H42)	(Btu/h)	25000	
COP at 5F(H42)	W/W	2.10	

INDOOR UNIT DATA			
<b>Indoor fan motor</b>			
Model		ZKFN-90-8-1	
Qty		1.00	
Input	(W)	96.00	
Output	(W)	90.0	
RLA	(A)	0.00	
Speed(Hi/Mi/Lo)	(r/min)	1350/1260/1120	
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	///758.82/708.24/598.24	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	51/47.5/42	
<b>Dehumidification</b>	(L/H)	3.06	
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	42.05x26.57x9.25	
	(mm)	1068x675x235	
Packing(WxDxH)	(inch)	45.08x29.72x12.52	
	(mm)	1145x755x318	
Net/Gross weight	(lbs.)	60.63/72.09	
	(kg)	27.5/32.7	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit		N/A
	Outdoor unit	EXV+Throttle valve	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	91.71	
Refrigerant precharge	(ft)	25.0	
	(m)	7.5	
Additional charge for each ft	(oz/ft)	0.32	
Additional charge for each m	(g/m)	30.0	
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"	
	(mm)	9.52/15.9	
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"	
	(mm)	9.52/15.9	
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)	62~90	
	(Deg. °C)	17~32	
Indoor(heating)	(Deg. °F)	32~86	
	(Deg. °C)	0~30	
Outdoor(cooling)	(Deg. °F)	-22~122	
	(Deg. °C)	-30~50	
Outdoor(heating)	(Deg. °F)	-22~75	
	(Deg. °C)	-30~24	

OUTDOOR UNIT DATA			
<b>Compressor</b>			
Type		Twin-ROTARY	
Model		KTM240D43UKT	
Brand		GMCC	
Capacity	(Btu/h)	25931	
Input	(W)	2045	
Rated current (RLA)	(A)	17.1	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 620	
<b>Outdoor fan motor</b>			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	150.00	
Output	(W)	120.00	
RLA	(A)	0.50	
Speed	(r/min)	950/800/500	
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)	2235.3	
Outdoor noise level	[dB(A)]	62.5	
<b>Outdoor unit</b>			
Dimension (W×D×H)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (W×D×H)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	134.48/144.40	
	(kg)	61/65.5	

**Indoor unit dimension**



Capacity (Btu/h)	Unit	A	B	C	D
18K / 24K	mm	1068	675	235	983
	inch	42.05	26.57	9.25	38.70
36K	mm	1285	675	235	1200
	inch	50.59	26.57	9.25	47.24
48K/60K	mm	1650	675	235	1565
	inch	64.96	26.57	9.25	61.61

**Outdoor unit dimension**

