



SUBMITTAL DATA SHEET

AHU Heat Pump System

Location: _____
Engineer: _____
Submitted to: _____
Submitted by: _____
Reference: _____

Approval: _____
Date: _____
Construction: _____
Unit #: _____
Drawing #: _____

Set Code 22023110000898
Indoor unit code 220231110000250
Outdoor unit code 22023116000161

Set Model BMAH2420
Indoor unit model BMAH2420I
Outdoor unit model BMAH2420C



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	208/230V, 1Ph, 60Hz	
Voltage Range (V)	187-253	
Electrical		
Minimum circuit ampacity (Outdoor)	(A)	20.5
Max.fuse (Outdoor)	(A)	35.0
Connection wiring (communication IDU-ODU)	18AWG*2 Stranded, shielded	
Cooling		
Capacity	(Btu/h)	24000(6400~27000)
Power Input	(W)	2050(740~2450)
Current	(A)	9.1(5.3~11)
SEER2	(Btu/W)	17.4
EER2	(Btu/W)	11.7
Heating		
Capacity	(Btu/h)	24000(10100~31000)
Power Input	(W)	2100(660~2900)
Current	(A)	9.3(4.87~12.90)
HSPF2-4	(Btu/W)	10.0
HSPF2-5	(Btu/W)	8.0
COP	W/W	3.35
Heat at 17F(H32)	(Btu/h)	19200
Heat at 5F(H42)	(Btu/h)	22600
COP at 5F(H42)	W/W	1.91

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	102.32
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)	-22~75
	(Deg. °C)	-30~24

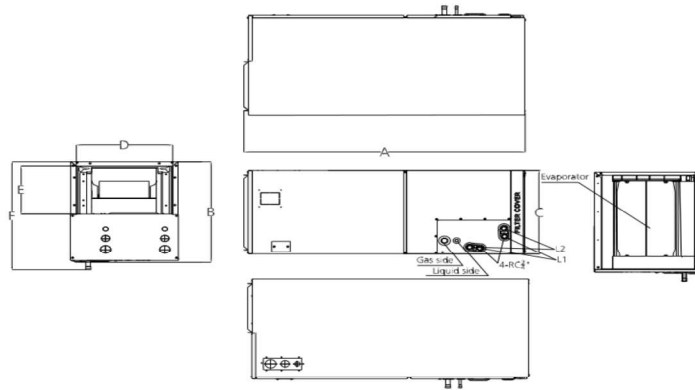
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFD-250-8-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	3.0
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)]	39/36/33
Dehumidification		
	(L/H)	1.98
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)	15
Refrigerant oil/oil charge	(ml)	ESTER OIL 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)	950/700/500/400
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	3000
Outdoor noise level	[dB(A)]	62.0
Outdoor unit		
Dimension (WxDxH)	(inch)	37.24x16.14x31.89
	(mm)	948x410x810
Packing (WxDxH)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	136.69/145.50
	(kg)	62/66
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

