



SUBMITTAL DATA SHEET

AHU Heat Pump System

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

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

Set Code
Indoor unit code 22023110000893
Outdoor unit code 22023110000270
22023116000163

Set Model
Indoor unit model BMAH3018
Outdoor unit model BMAH3018I
BMAH3018C



SYSTEM PERFORMANCE DATA

Power supply			
	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Normal Operational Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity (Outdoor)	(A)	23.0	
Max.fuse (Outdoor)	(A)	35.0	
Connection wiring (communication IDU-ODU)		18AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	30000(10000~33600)	
Power Input	(W)	3060(370~3360)	
Current	(A)	13.2(2.9~15)	
SEER2	(Btu/W)	16.2	
EER2	(Btu/W)	10.0	
Heating			
Capacity	(Btu/h)	33000(11500~37000)	
Power Input	(W)	2930(550~3250)	
Current	(A)	13.3(4.0~14.6)	
HSPF2-4	(Btu/W)	8.9	
HSPF2-5	(Btu/W)	7.0	
COP	W/W	3.30	
Heat at 17F(H32)	(Btu/h)	21000	
Heat at 5F(H42)	(Btu/h)	24000	
COP at 5F(H42)	W/W	1.77	

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	134.04
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

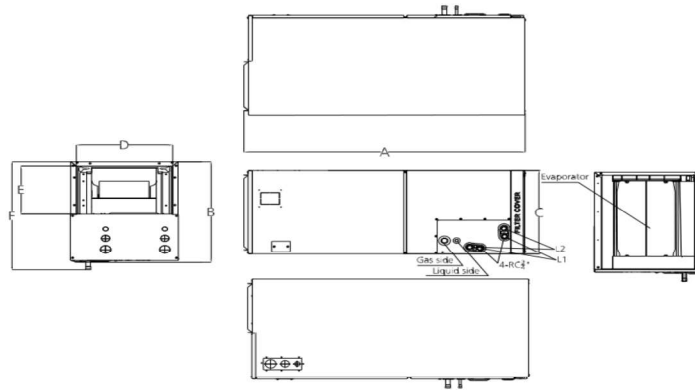
INDOOR UNIT DATA

Indoor fan motor			
Model		ZKFD-375-8-1-1	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	3.5	
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)]	42/40,5/36,5	
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		KTF310D43UMT	
Brand		GMCC	
Capacity	(Btu/h)	34154	
Input	(W)	2765	
Rated current (RLA)	(A)	16.5	
Refrigerant oil/oil charge	(ml)	VG74/1000	
Outdoor fan motor			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	150.0	
Output	(W)	120	
RLA	(A)	1.4	
Speed	(r/min)	950/900/500	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	3000	
Outdoor noise level	[dB(A)]	60.5	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	159,83/169,75	
	(kg)	72,5/77	
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

