SUBMITTAL DATA SHEET

AHU Heat Pump System

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

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

Set Code	453088387
Indoor unit code	453087528
Outdoor unit code	453087529
Set Model	BMAH6016
Indoor unit model	BMAH6016I
Outdoor unit model	BMAH6016C
Ceritified	**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	(A)	42.0
Max.fuse	(A)	60.0
Cooling		
Rated Capacity	(Btu/h)	55000(14000~56000)
Capacity Range	(Btu/h)	55000(14000~56000)
Powrer Input	(W)	6110(400~6450)
Rated current	(A)	26.7(3.3~28.5)
SEER	(Btu/W)	16.4
EER	(Btu/W)	9.0
Heating		
Rated Capacity	(Btu/h)	59000(13400~69000)
Capacity Range	(Btu/h)	59000(13400~69000)
Powrer Input	(W)	4940(670~5890)
Rated current	(A)	21.5(5.0~26.2)
HSPF4	(Btu/W)	10.5
HSPF5	(Btu/W)	8.6
COP	W/W	3.50
Heat at 17F	(Btu/h)	52500
Heat at 5F	(Btu/h)	50900
COP at 5F	W/W	1.92

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	EEV for cooling
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/169.32oz
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" / 7/8"
	(mm)	9.52/22
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 7/8"
	(mm)	9.52/22
Max. pipe length	(ft)	213.3
	(m)	65.0
Max. difference in level	(ft)	98.4
	(m)	30.0
Connection method		Flared

Indoor(cooling/heating)	(Deg. ℉)	60～90/32～86
	(Deg. °C)	16～32/0～30
Outdoor(cooling/heating)	(Deg. ℉)	5~122/ -22～75
	(Deg. °C)	-15～50/ -30～24

INDOOR UNIT DATA

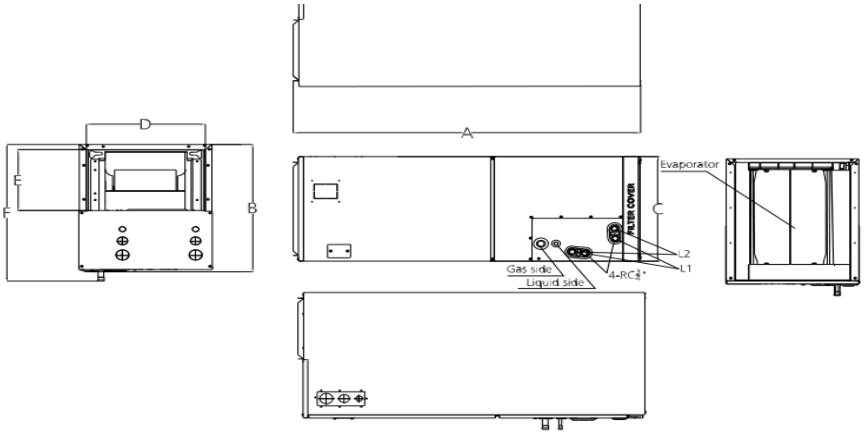
Indoor fan motor		
Type		Centrifugal
Model		ZKFD-750-8-1-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	7.0
Speed(Hi/Mi/Lo)	(r/min)	/
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1582.35/1358.82/1135.29
Indoor noise level (Hi/Med/Lo)	[dB(A)]	51/45.5/41.5
Dehumidification	(Pint/H)	
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x24.49x52.99
	(mm)	534x622x1346
Packing(WxDxH)	(inch)	27.95x26.77x56.50
	(mm)	710x680x1435
Net/Gross weight	(lbs.)	162.70/190.70
	(kg)	73.8/86.5
Accessories		
Adaptor for welding(7/8")	Qty	1
Adaptor for welding(3/8")	Qty	1

OUTDOOR UNIT DATA

Compressor		
Type		Rotary
Model		EAPQ440D1UMUA
Brand		GMCC
Capacity	(Btu/h)	46334.96
Input	(W)	3770
Rated current (RLA)	(A)	7.3
Refrigerant oil/oil charge	(ml)	VG75/1300
Outdoor fan motor		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126.0
Output	(W)	85
RLA	(A)	1.2
Speed	(r/min)	850/750/650
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	4500
Outdoor noise level	[dB(A)]	63.5
Outdoor unit		
Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	239.86/271.61
	(kg)	108.8/123.2
Accessories		
Adaptor for welding(7/8")	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

