



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

Certified

AHRI



UL



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) 42.0
Max.fuse(Outdoor) (A) 60.0
Connection wiring (Communication IDU-ODU) 18AWG*2 Stranded, shielded

Cooling

Capacity (Btu/h) 55000(14000~56000)
Power Input (W) 6280(500~6450)
Current (A) 27.4(3.9~28.5)
SEER2 (Btu/W) 15.3
EER2 (Btu/W) 8.8

Heating

Capacity (Btu/h) 59000(13400~69000)
Power Input (W) 5060(750~5890)
Current (A) 22(5.5~26.2)
HSPF2-4 (Btu/W) 9.4
COP W/W 3.42
Heat at 17F(H32) (Btu/h) 42000
Heat at 5F(H42) (Btu/h) 48500
COP at 5F(H42) W/W 1.91

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	EEV for cooling
Design pressure	Outdoor unit	EEV for heating
Refrigerant Type	(PSIG)	550/340
Refrigerant charge	oz	R410A 169.31
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.69
Liquid side/ Gas side(indoor)	(inch)	3/8" / 7/8"
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 7/8"
Max. pipe length	(mm)	9.52/22
Max. difference in level	(ft)	213.3
Connection method		98.4
		Flared

Outdoor(cooling)	(Deg. F)	5~122
Outdoor(heating)	(Deg. F)	-22~75

INDOOR UNIT DATA

Indoor fan motor

Model	ZKFD-750-8-1-1
Qty	1
RLA	(A) 7.0

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1805.88/1582.35/1358.82/1135.29
Indoor noise level (Hi/Med/Lo)	[dB(A)]	51/45.5/41.5

Dehumidification

	(L/H)	5.55
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Indoor unit

Dimension (WxDxH)	(inch)	24.5 x 21 x 52.99
Packing(WxDxH)	(inch)	27.95x26.77x56.50
Net/Gross weight	(lbs.)	162.70/192.90

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) 46335
Input	(W) 3770
Rated current (RLA)	(A) 26.2
Refrigerant oil/oil charge	(ml) POE.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

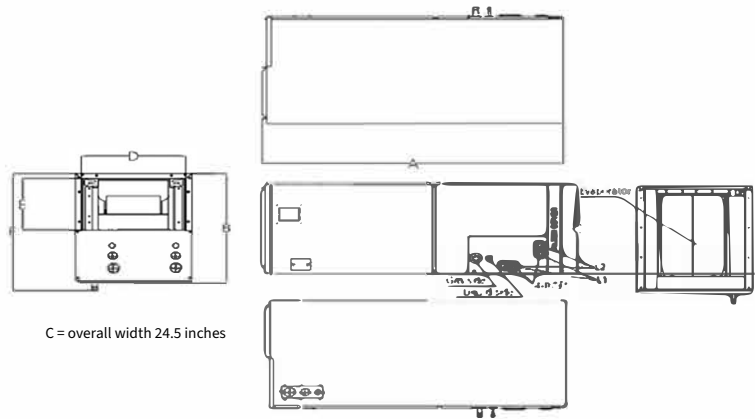
Outdoor unit

Dimension (WxDxH)	(inch)	37.48x16.34x52.48
Packing (WxDxH)	(inch)	43.11x19.49x58.27
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



C = overall width 24.5 inches

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

