



SUBMITTAL DATA SHEET

AHU Heat Pump System

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

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

Set Code 22023110001128
Indoor unit code 22023111000252
Outdoor unit code 22023116000281

Set Model
Indoor unit model ACIQ-60-AHB
Outdoor unit model ACIQ-60-HPB

Certified

AHRI

AHRI CERTIFIED

UL

UL US
LISTED

SYSTEM PERFORMANCE DATA

Power supply

Normal Operational Voltage (V, Ph, Hz) 208/230V, 1Ph, 60Hz
Voltage Range (V) 187-253

Electrical

Minimum circuit ampacity (Outdoor) (A) 40.0
Max.fuse (Outdoor) (A) 50.0
Connection wiring 14AWG*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
HSPF2-5 (Btu/W) 7.6
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
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	169.31
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)	(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-750-8-1-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	7.0
Speed(Hi/Mi/Lo)	(r/min)	/

Airflow & Noise level

Indoor airflow (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
--	-------	------

Indoor unit

Dimension (WxDxH)	(inch)	21.02x24.49x52.99
	(mm)	534x622x1346
Packing(WxDxH)	(inch)	27.95x26.77x56.50
	(mm)	710x680x1435
Net/Gross weight	(lbs.)	162.70/192.90
	(kg)	73.8/87.5

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)	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

Airflow & Noise level

Outdoor airflow (Max.)	(CFM)	4500
Outdoor noise level	[dB(A)]	63.5

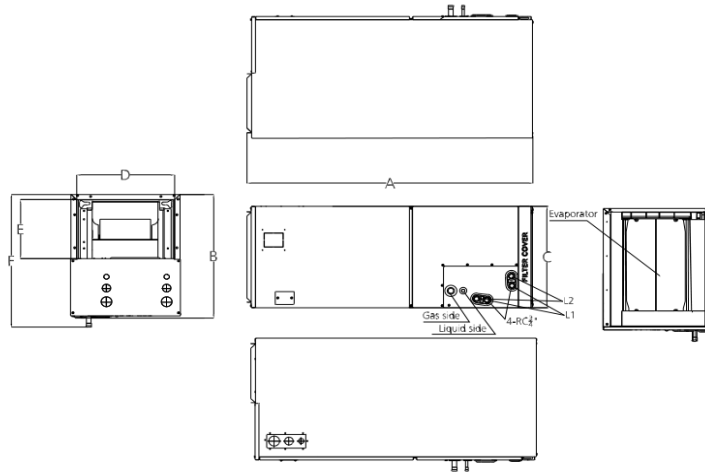
Outdoor unit

Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(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

