



SUBMITTAL DATA SHEET

AHU Heat Pump System ACI-60-AHB / ACI-60-HPB
(Indoor/Outdoor)

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	22023110001128
Indoor unit code	22023111000252
Outdoor unit code	22023116000281
Set Model	
Indoor unit model	ACI-60-AHB
Outdoor unit model	ACI-60-HPB
Certified	
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(Outdoor)	(A)		42.0
Max.fuse(Outdoor)	(A)		60.0
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

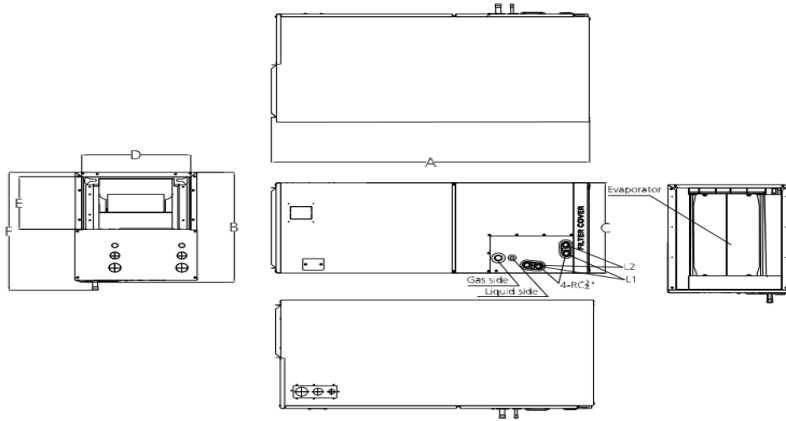
INDOOR UNIT DATA

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)		/
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
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
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
	(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

