



SUBMITTAL DATA SHEET

AHU Heat Pump System

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

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

Set Code 22023110000907
Indoor unit code 22023111000252
Outdoor unit code 22023116000083

Set Model
Indoor unit model ACiQ-60-AHB
Outdoor unit model ACiQ-60-EHPB

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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)	34.0	
Max.fuse(Outdoor)	(A)	60.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	57000(12800~60200)	
Power Input	(W)	6475(700~6450)	
Current	(A)	29(5.0~29)	
SEER2	(Btu/W)	14.9	
EER2	(Btu/W)	8.8	
Heating			
Capacity	(Btu/h)	60000(12000~63100)	
Power Input	(W)	5085(865~6086)	
Current	(A)	20.9(6.4~26.5)	
HSPF2-4	(Btu/W)	8.5	
HSPF2-5	(Btu/W)	6.7	
COP	W/W	3.46	
Heat at 17F(H32)	(Btu/h)	37000	
Heat at 5F(H42)	(Btu/h)	34600	
COP at 5F(H42)	W/W	1.90	

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	172.84
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)	5~75
	(Deg. °C)	-15~24

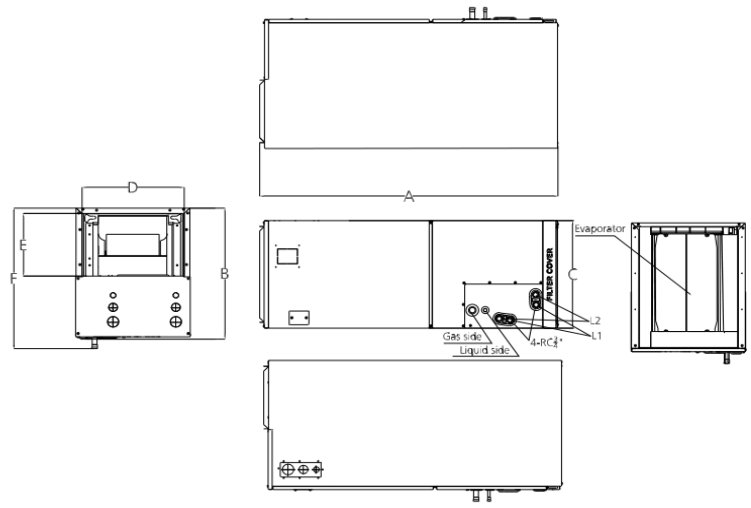
INDOOR UNIT DATA

Indoor fan motor			
Model		ZKFD-750-8-1-1	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	46744.4	
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)]	52/48/43	
Dehumidification	(L/H)	5.2	
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		KTQ420D1UMU	
Brand		GMCC	
Capacity	(Btu/h)	46744	
Input	(W)	3700	
Rated current (RLA)	(A)	24.6	
Refrigerant oil/oil charge	(ml)	VG74/1400	
Outdoor fan motor			
Model		ZKFN-85-8-22-5	
Qty		2	
Input	(W)	126.0	
Output	(W)	85	
RLA	(A)	2.4	
Speed	(r/min)	900/850/650	
Airflow & Noise level			
Outdoor airflow (Max.)	(CFM)	4412	
Outdoor noise level	[dB(A)]	60.0	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (WxDxH)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	217.15/248.46	
	(kg)	98.5/112.7	
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

