



## SUBMITTAL DATA SHEET

### AHU Heat Pump System

Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit #: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_

<b>Set Code</b>	22023110001207
Indoor unit code	22023111000392
Outdoor unit code	22023116000342
<b>Set Model</b>	
Indoor unit model	EZ-36-AH
Outdoor unit model	EZ-36-HP
<b>Certified</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <b>AHRI</b> </div> <div style="text-align: center;">   <small>AHERA CERTIFIED</small> </div> <div style="text-align: center;">   <b>ENERGY STAR</b> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="text-align: center;">   <b>UL</b>  <small>LISTED</small> </div> <div style="text-align: center;">   <b>UL</b>  <small>US</small> </div> </div>



### SYSTEM PERFORMANCE DATA

<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph.	60Hz
Voltage Range	(V)		187-253
<b>Electrical</b>			
Minimum circuit ampacity(Outdoor)	(A)		30.0
Max.fuse(Outdoor)	(A)		50.0
Connection wiring		14AWG*2	Stranded, shielded
<b>Cooling</b>			
Capacity	(Btu/h)	36000(13000~47400)	
Power Input	(W)	3673(462~5700)	
Current	(A)	15.97(3.53~25)	
SEER2	(Btu/W)		16
EER2	(Btu/W)		10
<b>Heating</b>			
Capacity	(Btu/h)	40000(11000~57200)	
Power Input	(W)	3448(593~5700)	
Current	(A)	15(4.34~25)	
HSPF2-4	(Btu/W)		9.5
HSPF2-5	(Btu/W)		8
COP	W/W		3.36
Heat at 17F(H32)	(Btu/h)		30400
Heat at 5F(H42)	(Btu/h)		34600
COP at 5F(H42)	W/W		1.95

### 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	165.79
	(ft)	25.0
Refrigerant precharge	(m)	7.5
Additional charge for each ft	(oz/ft)	0.69
Additional charge for each m	(g/m)	65
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 3/4"
	(mm)	9.52/19
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

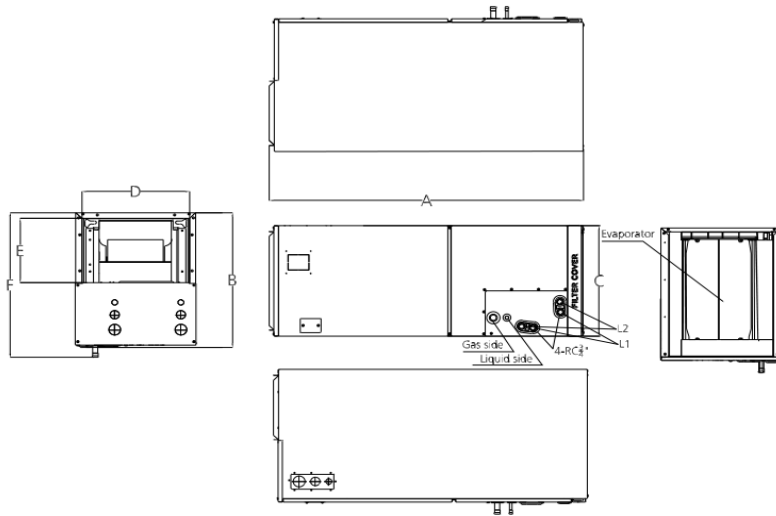
### INDOOR UNIT DATA

<b>Indoor fan motor</b>			
Model		ZKFD-375-8-1-1	
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		4.0
Speed(Hi/Mi/Lo)	(r/min)		/
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1188.24/1082.35/970.59/864.71	
Indoor noise level (Hi/Med/Lo)	[dB(A)]		45/43/41
<b>Dehumidification</b>	(L/H)		3.48
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	21.02x21.02x49.02	
	(mm)	534x534x1245	
Packing(WxDxH)	(inch)	26.57x24.41x52.56	
	(mm)	675x620x1335	
Net/Gross weight	(lbs.)		129.19/155.64
	(kg)		58.6/70.6
<b>Accessories</b>			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1

### OUTDOOR UNIT DATA

<b>Compressor</b>			
Type			ROTARY
Model			EAPQ420D1UMUA
Brand			GMCC
Capacity	(Btu/h)		44015
Input	(W)		3565 ±3%
Rated current (RLA)	(A)		32
Refrigerant oil/oil charge	(ml)		1460±15mlESTER OIL VG74
<b>Outdoor fan motor</b>			
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
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)		4500
Outdoor noise level	[dB(A)]		64.0
<b>Outdoor unit</b>			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (WxDxH)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)		227.07/255.73
	(kg)		103/116
<b>Accessories</b>			
Adaptor for welding(3/4")	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

