

## SUBMITTAL DATA SHEET

### AHU Heat Pump System

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

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

**Set Code** 22023110000899  
 Indoor unit code 22023110000252  
 Outdoor unit code 22023116000281

**Set Model**  
 Indoor unit model MVC-60HWFN1-M  
 Outdoor unit model MOE30U-55HFN1-M

**Certified**  
 AHRI   
 UL 



### 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	(A)	42.0
Max.fuse	(A)	60.0
Connection wiring		14AWG*2 Stranded, shielded
<b>Cooling</b>		
Rated Capacity	(Btu/h)	55000(14000~56000)
Capacity Range	(Btu/h)	55000(14000~56000)
Power Input	(W)	6110(400~6450)
Rated current	(A)	26.7(3.3~28.5)
SEER	(Btu/W)	16.4
EER	(Btu/W)	9.0
<b>Heating</b>		
Rated Capacity	(Btu/h)	59000(13400~69000)
Capacity Range	(Btu/h)	59000(13400~69000)
Power Input	(W)	4940(670~5890)
Rated current	(A)	21.5(5.0~26.2)
HSPF4	(Btu/W)	10.5
HSPF5	(Btu/W)	8.6
COP	W/W	3.50
Heat at 17F	(Btu/h)	52500
Heat at 5F	(Btu/h)	50900
COP at 5F	W/W	1.92

### REFRIGERANT PIPE DATA

Throttle type	Indoor unit	EER for cooling
	Outdoor unit	EER for heating
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/169.32oz
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/heating)	(Deg. °F)	60~90/32~86
	(Deg. °C)	16~32/0~30
Outdoor(cooling/heating)	(Deg. °F)	5~122/-22~75
	(Deg. °C)	-15~50/-30~24

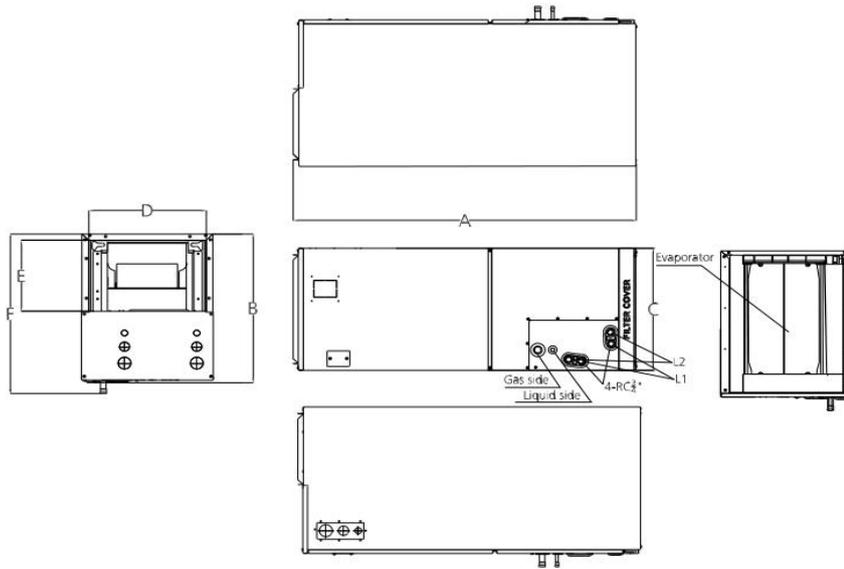
### INDOOR UNIT DATA

<b>Indoor fan motor</b>		
Type		Centrifugal
Model		ZKFD-750-8-1-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	7.0
Speed(Hi/Mi/Lo)	(r/min)	/
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1582.35/1358.82/1135.29
Indoor noise level (Hi/Med/Lo)	[dB(A)]	51/45.5/41.5
<b>Dehumidification</b>		
	(Pint/H)	
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	21.02x24.49x52.99
	(mm)	534x622x1346
Packing(WxDxH)	(inch)	27.95x26.77x56.50
	(mm)	710x680x1435
Net/Gross weight	(lbs.)	162.70/190.70
	(kg)	73.8/86.5
<b>Accessories</b>		
Adaptor for welding(7/8")	Qty	1
Adaptor for welding(3/8")	Qty	1

### OUTDOOR UNIT DATA

<b>Compressor</b>		
Type		Rotary
Model		EAPQ440D1UMUA
Brand		GMCC
Capacity	(Btu/h)	46334.96
Input	(W)	3770
Rated current (RLA)	(A)	7.3
Refrigerant oil/oil charge	(ml)	VG75/1300
<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)]	55
<b>Outdoor unit</b>		
Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	239.86/271.61
	(kg)	108.8/123.2
<b>Accessories</b>		
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

