



## SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System	
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

<b>Set Code</b>	2202251000443
Indoor unit code	22022511000703
Outdoor unit code	22022016016162
<b>Set Model</b>	
Indoor unit model	MIU-A09C-2
Outdoor unit model	MOU-A09H-2
<b>Certified</b>	
AHRI	
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### 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)	15.0
Max.fuse(Outdoor)	(A)	15.0
Connection wiring		14*4 AWG
<b>Cooling</b>		
Capacity	(Btu/h)	9000(2850~11100)
Power Input	(W)	692(163~1117)
Current	(A)	3.17(1.25~4.93)
SEER2	(Btu/W)	20.5
EER2	(Btu/W)	13.0
<b>Heating</b>		
Capacity	(Btu/h)	9800(2270~12500)
Power Input	(W)	930(149~1371)
Current	(A)	4.58(1.17~6.04)
HSPF2-4	(Btu/W)	10.3
HSPF2-5	(Btu/W)	7.8
COP	W/W	3.09
Heat at 17F(H32)	(Btu/h)	9000
Heat at 5F(H42)	(Btu/h)	10000
COP at 5F(H42)	W/W	1.80

### REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	41.62
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Additional charge for each m	(g/m)	15.0
Liquid side/ Gas side(indoor)	(inch)	1/4" / 3/8"
	(mm)	6.35/9.52
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 3/8"
	(mm)	6.35/9.52
Max. pipe length	(ft)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62~90
	(Deg. °C)	17~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	-22~122
	(Deg. °C)	-30~50
Outdoor(heating)	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

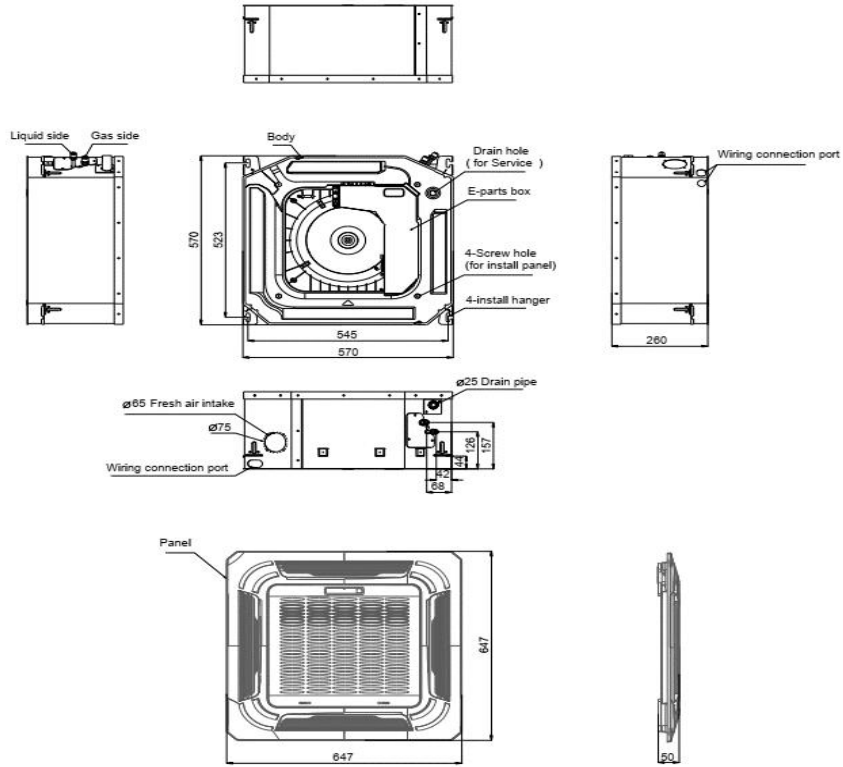
### INDOOR UNIT DATA

<b>Indoor fan motor</b>		
Model		ZKFP-46-8-1
Qty		1
Input	(W)	45.00
Output	(W)	46.0
RLA	(A)	0.00
Speed(Hi/Mi/Lo)	(r/min)	600/520/460
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//352.94/305.88/270.59
Indoor noise level (Hi/Med/Lo)	[dB(A)]	39.5/36/32.5
<b>Dehumidification</b>	(L/H)	1.03
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	22.44x22.44x10.24
	(mm)	570x570x260
Packing(WxDxH)	(inch)	26.06x26.06x12.48
	(mm)	662x662x317
Net/Gross weight	(lbs.)	31.97/38.14
	(kg)	14.5/17.3

### OUTDOOR UNIT DATA

<b>Compressor</b>		
Type		ROTARY
Model		KTN110D42UFZ
Brand		GMCC
Capacity	(Btu/h)	11823
Input	(W)	885
Rated current (RLA)	(A)	8.8
Refrigerant oil/oil charge	(ml)	VG74/350
<b>Outdoor fan motor</b>		
Model		ZKFN-34-10-1
Qty		1
Input	(W)	/
Output	(W)	34.00
RLA	(A)	0.42
Speed	(r/min)	850/680/450
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1323.5
Outdoor noise level	[dB(A)]	55.0
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	74.07/80.25
	(kg)	33.6/36.4

Indoor unit dimension



Outdoor unit dimension

