



SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	22022510004483
Indoor unit code	22022511003497
Outdoor unit code	22023116000122
Set Model	
Indoor unit model	MIU-A48LC-2
Outdoor unit model	MOU-A48L-2
Certified	AHRI CSA



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)	39.0
Max.fuse(Outdoor)	(A)	50.0
Connection wiring		14AWG*2 Stranded, shielded
Cooling		
Capacity	(Btu/h)	48000(16600~48000)
Power Input	(W)	5050(650~5050)
Current	(A)	23.1(4.35~23.1)
SEER2	(Btu/W)	18.5
EER2	(Btu/W)	9.5
Heating		
Capacity	(Btu/h)	50000(11850~52000)
Power Input	(W)	4730(660~5200)
Current	(A)	21.5(4.61~22.82)
HSPF2-4	(Btu/W)	9.8
HSPF2-5	(Btu/W)	7.5
COP	W/W	3.10
Heat at 17F(H32)	(Btu/h)	30000
Heat at 5F(H42)	(Btu/h)	34600
COP at 5F(H42)	W/W	1.98

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	158.73
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8" / 5/8"
	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 5/8"
	(mm)	9.52/15.9
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

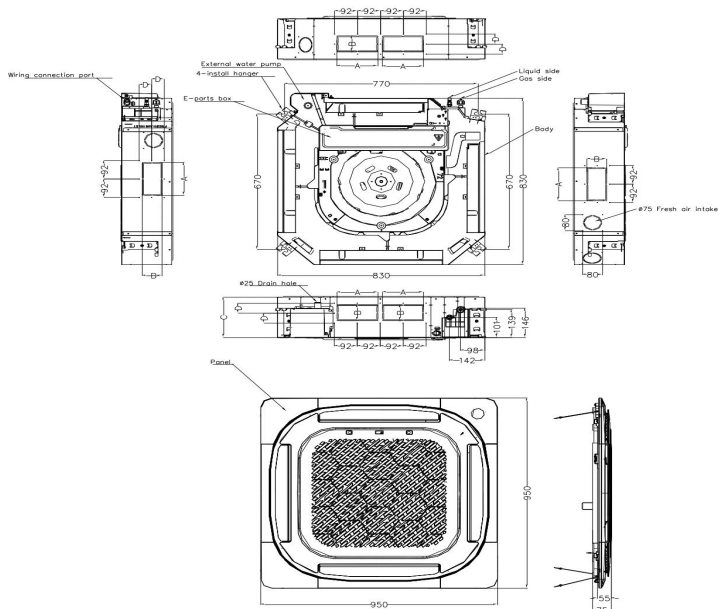
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFN-125-8-1
Qty		1
Input	(W)	157.00
Output	(W)	125.0
RLA	(A)	1.50
Speed(Hi/Mi/Lo)	(r/min)	800/730/660/590/456
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	288.24/1170.59/1058.82/935.29
Indoor noise level (Hi/Med/Lo)	[dB(A)]	55/53/50
Dehumidification	(L/H)	5.67
Indoor unit		
Dimension (WxDxH)	(inch)	32.68x32.68x11.30
	(mm)	830x830x287
Packing(WxDxH)	(inch)	35.83x35.83x12.99
	(mm)	910x910x330
Net/Gross weight	(lbs.)	64.59/74.07
	(kg)	29.3/33.6

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KTQ420D1UMU
Brand		GMCC
Capacity	(Btu/h)	46744
Input	(W)	3700
Rated current (RLA)	(A)	28.0
Refrigerant oil/oil charge	(ml)	VG74/1400
Outdoor fan motor		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126.00
Output	(W)	85.00
RLA	(A)	1.20
Speed	(r/min)	850/750/650/550
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	4500.0
Outdoor noise level	[dB(A)]	65.0
Outdoor unit		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	219.14/249.12
	(kg)	99.4/113

Indoor unit dimension



Capacity (Btu/h)	Unit	A	B	C	D
24K	mm	165	80	205	50
	inch	6.5	3.15	8.07	1.97
36K	mm	165	100	245	60
	inch	6.5	3.64	9.65	2.36
48K	mm	165	100	287	60
	inch	6.5	3.64	11.30	2.36

Outdoor unit dimension

