



SUBMITTAL DATA SHEET

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

Set Code	22023110000928
Indoor unit code	22023111000271
Outdoor unit code	22023116000162
Set Model	VCD18SA-1-CY
Indoor unit model	B-VCD18SA-1-CY
Outdoor unit model	A-VCD18SA-1-CY
Certified	



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)		16.0
Max.fuse(Outdoor)	(A)		20.0
Connection wiring		14AWG*2	Stranded, shielded
Cooling			
Capacity	(Btu/h)	18000(6880-21000)	
Power Input	(W)	1450(260-1890)	
Current	(A)	6.4(1.5-8.3)	
SEER2	(Btu/W)	18.0	
EER2	(Btu/W)	12.4	
Heating			
Capacity	(Btu/h)	19000(2800-21000)	
Power Input	(W)	1530(430-1920)	
Current	(A)	6.8(2.5-8.5)	
HSPF2-4	(Btu/W)	9.3	
HSPF2-5	(Btu/W)	7.6	
COP	W/W	3.64	
Heat at 17F(H32)	(Btu/h)	13500	
Heat at 5F(H42)	(Btu/h)	16500	
COP at 5F(H42)	W/W	2.04	

INDOOR UNIT DATA			
Indoor fan motor			
Model			ZKFD-250-8-1
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		2.0
Minimum circuit ampacity(Indoor)	(A)		2.5
Max.fuse(Indoor)	(A)		15
Speed(Hi/Mi/Lo)	(r/min)		/
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	617.65/576.47/529.41/488.24	
Indoor noise level (Hi/Med/Lo)	[dB(A)]		34/31/30
Dehumidification			
	(L/H)		1.67
Indoor unit			
Dimension (WxDxH)	(inch)	21.02x17.52x45.00	
	(mm)	534x445x1143	
Packing(WxDxH)	(inch)	26.57x20.87x48.62	
	(mm)	675x530x1235	
Net/Gross weight	(lbs.)	105.82/129.41	
	(kg)	48/58.7	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1

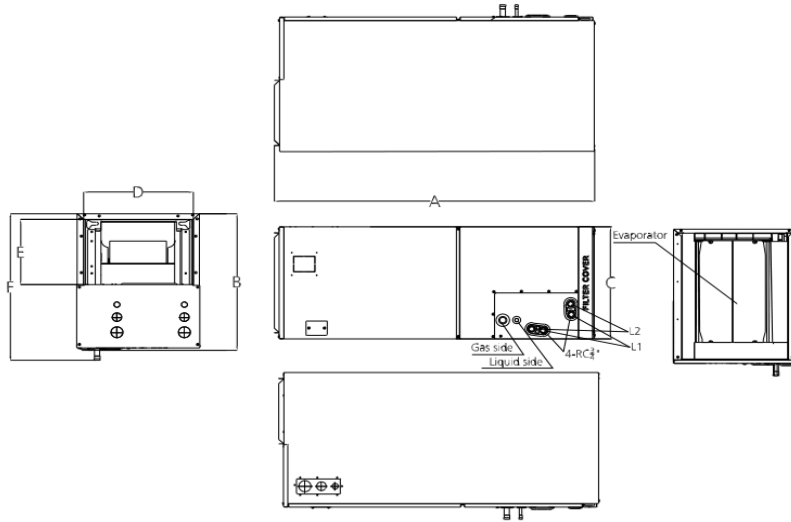
REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	81.13	
Refrigerant precharge	(ft)	25.0	
	(m)	7.5	
Additional charge for each ft	(oz/ft)	0.69	
Additional charge for each m	(g/m)	65.0	
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"	
	(mm)	9.52/19	
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 5/8"	
	(mm)	9.52/16	
Max. pipe length	(ft)	98.4	
	(m)	30.0	
Max. difference in level	(ft)	65.6	
	(m)	20.0	
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	

OUTDOOR UNIT DATA			
Compressor			
Type			Twin-ROTARY
Model			KTM240D57UMT
Brand			GMCC
Capacity	(Btu/h)		26409
Input	(W)		2085
Rated current (RLA)	(A)		10
Refrigerant oil/oil charge	(ml)		ESTER OIL VG74 670
Outdoor fan motor			
Model			ZKFN-80-8-3
Qty			1
Input	(W)		/
Output	(W)		80
RLA	(A)		1.0
Speed	(r/min)		800/700/580
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		1279
Outdoor noise level	[dB(A)]		57.0
Outdoor unit			
Dimension (WxDxH)	(inch)	35.04x13.46x26.50	
	(mm)	890x342x673	
Packing (WxDxH)	(inch)	39.17x15.67x29.13	
	(mm)	995x398x740	
Net/ Gross weight	(lbs.)	102.95/109.79	
	(kg)	46.7/49.8	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1
Adaptor (5/8" to 3/4")	Qty		1

**Verify Rating Plate Information
 Prior to Installation.

Minimum Circuit Ampacity and Maximum Fuse Values
 May Have Changed from Original Specifications.

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

