

SUBMITTAL DATA SHEET

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

Set Code	22023110000768
Indoor unit code	22023111000510
Outdoor unit code	22023116000081
Set Model	PAC-24B-HWDN1
Indoor unit model	P15-24REFN1
Certified	AHRI CERTIFIED UL LISTED



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)	19.0	
Max.fuse(Outdoor)	(A)	30.0	
Connection wiring		N/A	
Cooling			
Capacity	(Btu/h)	24000(9800-28200)	
Power Input	(W)	2400(380-2990)	
Current	(A)	9.0(1.0-12.0)	
SEER2	(Btu/W)	15.7	
EER2	(Btu/W)	10.0	
Heating			
Capacity	(Btu/h)	25600(9700-31000)	
Power Input	(W)	2246(510-3000)	
Current	(A)	8.5(2.0-12.0)	
HSPF2-4	(Btu/W)	9.8	
HSPF2-5	(Btu/W)	8.0	
COP	W/W	3.34	
Heat at 17F(H32)	(Btu/h)	22000	
Heat at 5F(H42)	(Btu/h)	18500	
COP at 5F(H42)	W/W	2.20	

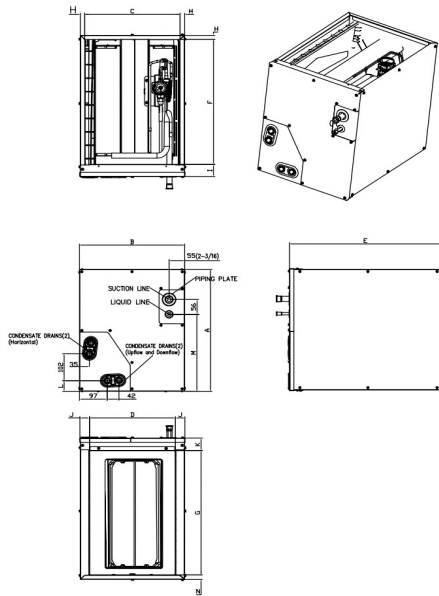
INDOOR UNIT DATA			
IRV	inch*3		58.30
Air flow	SCFM		550
Pressure drop	Pa		32.70
	In. wg.		0.13
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)		11705.88/1111
Indoor noise level (Hi/Med/Lo)	[dB(A)]		0/0/0
Dehumidification	(LH)		2.94
Indoor unit			
Dimension (WxDxH)	(inch)	17.52x20.98x17.99	
	(mm)	445x533x457	
Packing(WxDxH)	(inch)	20.47x26.18x20.28	
	(mm)	520x665x515	
Net/Gross weight	(lbs.)	42.77/52.03	
	(kg)	19.4/23.6	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	TXV	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	74.08	
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)	164.0	
	(m)	50.0	
Max. difference in level	(ft)	82.0	
	(m)	25.0	
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)	-13 ~ 75	
	(Deg. °C)	-25 ~ 24	

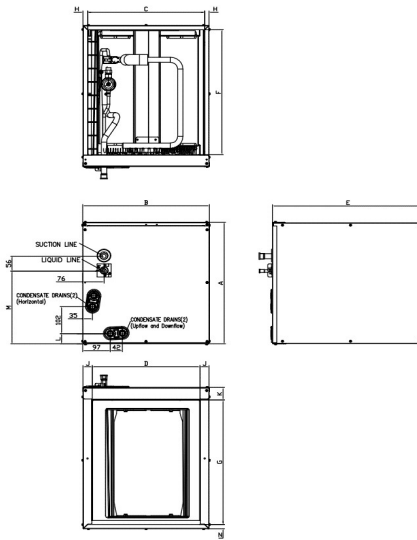
OUTDOOR UNIT DATA			
Compressor			
Type		Twin-ROTARY	
Model		KTM240D57UMT	
Brand		GMCC	
Capacity	(Btu/h)	26409	
Input	(W)	2085	
Rated current (RLA)	(A)	14	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670	
Outdoor fan motor			
Model		ZKFN-80-8-3	
Qty		1	
Input	(W)	/	
Output	(W)	80	
RLA	(A)	1.0	
Speed	(r/min)	810/720	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	1765	
Outdoor noise level	[dB(A)]	61.5	
Outdoor unit			
Dimension (WxDxH)	(inch)	35.04x13.46x26.50	
	(mm)	890x342x673	
Packing (WxDxH)	(inch)	39.17x15.67x29.13	
	(mm)	995x398x740	
Net/ Gross weight	(lbs.)	102.29/109.13	
	(kg)	46.4/49.5	
Accessories			
Adaptor for welding(3/4")	Qty	1	
Adaptor for welding(3/8")	Qty	1	
Adaptor (5/8" to 3/4")	Qty	1	

Indoor unit dimension

NEW PANEL STYLE



OLD PANEL STYLE



Dimensions	KV-14F-A		KV-14F-B		KV-17F-A		KV-17F-B		KV-21F-A		KV-21F-B		KV-24F-A	
	NEW PANEL STYLE		NEW PANEL STYLE		NEW PANEL STYLE		OLD PANEL STYLE		OLD PANEL STYLE		NEW PANEL STYLE		OLD PANEL STYLE	
	18K/20K/22K/24K	30K/36K	30K/36K	30K/36K	30K/36K	18K/24K	18K/24K	30K/36K/48K	40K	60K	inch	mm	inch	mm
A Model Height	18	457	23-1/2	598	23-1/2	599	18	461	24	609	28	711	28	711
B Model Width	14-1/2	368	14-1/2	368	17-1/2	445	17-1/2	445	21	533	21	533	24-1/2	622
C Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411	16-3/16	411	19-3/4	502	19-3/4	502	23-1/4	591
D Return Air Opening Width	12	303	12	303	15-1/8	384	15-1/8	384	19-1/2	496	19-1/2	496	23	585
E Model Depth	21	534	21	534	21	533	21	533	21	533	21	533	21	533
F Supply Air Opening Depth	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473
G Return Air Opening Depth	18-1/2	471	18-1/2	471	19	488	19	488	18-1/2	470	18-1/2	470	18-1/2	470
H Supply Air Opening Side Clearance	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16
I Supply Air Opening Front Clearance	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45
J Return Air Opening Side Clearance	5/8	16	5/8	16	1-3/16	30	1-3/16	30	3/4	19	3/4	19	3/4	19
K Return Air Opening Front Clearance	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-15/16	46	1-15/16	46	1-15/16	46
L Condensate Drains Height	1-9/16	40	1-9/16	40	1-7/16	37	1-7/16	37	2-1/8	54	2-1/8	54	2-1/8	54
M Liquid Line Height	11-1/2	292	11-1/2	292	16-1/2	418	10-7/8	276	16-5/16	414	21	533	20-1/4	514
N Return Air Opening Side Clearance	3/4	19	3/4	19	3/4	19	1-3/16	30	3/4	19	3/4	19	3/4	19

Outdoor unit dimension

