

SUBMITTAL DATA SHEET

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

Set Code Indoor unit code Outdoor unit code	
Set Model Indoor unit model Outdoor unit model	AZPN/B24WAC AZPN/24WD
Certified	
AHRI UL	  



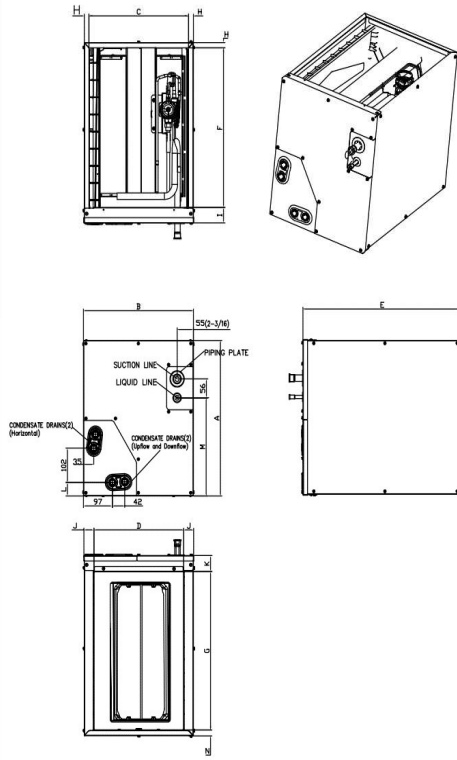
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity(Outdoor)	(A)	20.0	
Max.fuse(Outdoor)	(A)	35.0	
Connection wiring		N/A	
Cooling			
Capacity	(Btu/h)	24000(10000~28400)	
Power Input	(W)	2247(380~2600)	
Current	(A)	9.43(2.33~10.68)	
SEER2	(Btu/W)	16.5	
EER2	(Btu/W)	10.7	
Heating			
Capacity	(Btu/h)	25000(9600~33400)	
Power Input	(W)	2233(510~3160)	
Current	(A)	9.30(3.01~12.92)	
HSPF2-4	(Btu/W)	9.5	
HSPF2-5	(Btu/W)	7.7	
COP	W/W	3.28	
Heat at 17F(H32)	(Btu/h)	21000	
Heat at 5F(H42)	(Btu/h)	20000	
COP at 5F(H42)	W/W	1.95	

REFRIGERANT PIPE DATA			
	Indoor unit	TXV	
Throttle type	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	102.32	
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" / 3/4"	
	(mm)	9.52/19	
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)	-22 ~ 75	
	(Deg. °C)	-30 ~ 24	

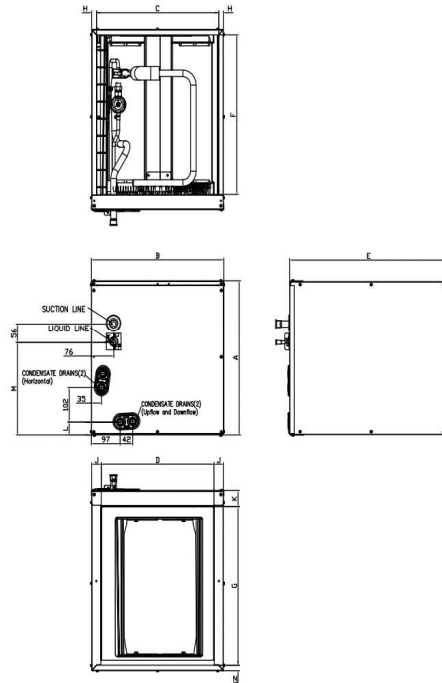
INDOOR UNIT DATA		
IRV	inch*3	58.30
Air flow	SCFM	550
Pressure drop	Pa	32.70
	In. wg.	0.13
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//705.88//
Indoor noise level (Hi/Med/Lo)	[dB(A)]	0/0/0
Dehumidification	(L/H)	2.8
Indoor unit		
Dimension (WxDxH)	(inch)	17.52x20.98x17.99
	(mm)	445x533x457
Packing(WxDxH)	(inch)	20.47x26.18x20.28
	(mm)	520x665x515
Net/Gross weight	(lbs.)	42.77/52.03
	(kg)	19.4/23.6

OUTDOOR UNIT DATA		
Compressor		
Type	Twin-ROTARY	
Model	KTM240D57UMT	
Brand	GMCC	
Capacity	(Btu/h)	26409
Input	(W)	2085
Rated current (RLA)	(A)	15
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670
Outdoor fan motor		
Model	ZKFN-120-8-2	
Qty	1	
Input	(W)	150.0
Output	(W)	120
RLA	(A)	1.4
Speed	(r/min)	950/700/500/400
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	3000
Outdoor noise level	[dB(A)]	63.5
Outdoor unit		
Dimension (WxDxH)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (WxDxH)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	136.69/145.50
	(kg)	62/66

NEW PANEL STYLE



OLD PANEL STYLE



		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	
Model(Btu/h)		18K/20K/22K/24K		30K (48K)		30K/36K		18K/24K		30K/36K/48K		48K		60K	
Dimensions		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	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	18	458	18	458	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	1-13/16	46	1-13/16	46	1-13/16	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

