

LUXE Series -AZPN/24WD Submittal Data Sheet

CENTRAL HEAT PUMP - LUXE SERIES (UP TO -22°F/-30°C)

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	AZPN/B24WAC
Outdoor unit model	AZPN/24WD
Ceritified	**AHRI**
	UL





SYSTEM PERFORMANCE DATA

Powersupply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V,1Ph，60Hz
Voltage Range	(V)	187- 253
Electrical		
Minimumcircuit ampacity(Outdoor)	(A)	20.0
Max.fus e(Outdoor)	(A)	35.0
Connection wiring		N/A
Cooling		
Capacity	(Btu/h)	24000(10000~ 28400)
Powrer 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)
Powrer Input	(W)	2233(510~3160)
Current	(A)	9.30(3.01~12.92)
HSPF 2- 4	(Btu/W)	9.5
HSPF 2- 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

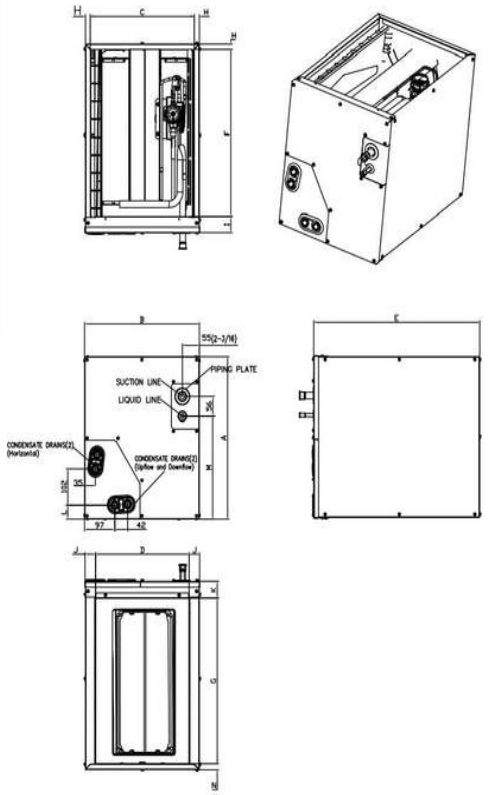
IRV	inch^3	58.30
Air flow	SCFM	550
Pressure drop	Pa	32.70
	In. wg.	0.13
Air flow & Noise level		
Indoor airflow(Hi/Med/Lo) (No duct)	(CFM)	//705.88////
Indoor noiselevel(Hi/Med/Lo)	[dB(A)]	0/0/0
Dehumidification	(L/H)	2.8
Indoor unit		
Dimension (WxDxH)	(inch)	17.52x20.98x 17.99
	(mm)	445x 533x 457
Packing(W xDxH)	(inch)	20.47x26.18x 20.28
	(mm)	520x 665x 515
Net/Gross weight	(lbs.)	42.77/52.03
	(kg)	19.4/23.6

OUTDOOR UNIT DATA

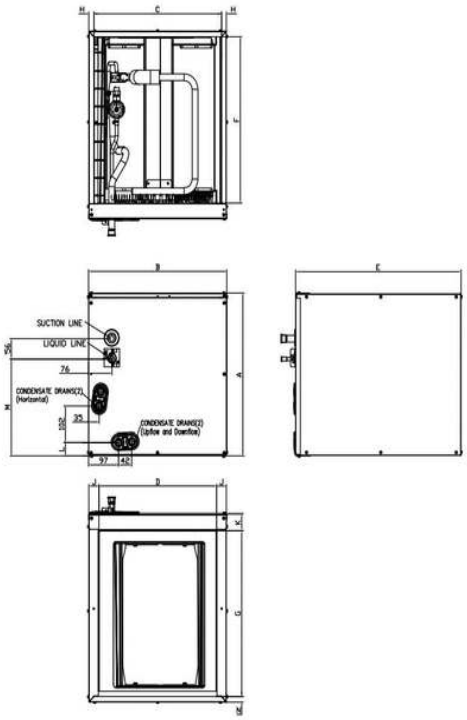
Compressor		
Type		Twin-ROTARY
Model		KTM240D57UMT
Brand		GMCC
Capacity	(Btu/h)	26409
Input	(W)	2085
Rated current (RLA)	(A)	15
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670
Outdoor fan motor		
Model		ZKFN- 120- 8- 2
Qty		1
Input	(W)	150.0
Output	(W)	120
RLA	(A)	1.4
Speed	(r/min)	950/700/500/400
Air flow & Noise level		
Outdoor air flow(Max.)	(CFM)	3000
Outdoor noiselevel	[dB(A)]	63.5
Outdoor unit		
Dimension (W×D×H)	(inch)	37.24x16.14x 31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x 34.84
	(mm)	1090x 500x 885
Net/ Gross weight	(lbs.)	136.69/145.50
	(kg)	62/66

INDOOR UNIT DIMENSION

NEW PANEL STYLE



OLD PANEL STYLE



Dimensions \ Model(Btu/h)		KV-14F-A NEW PANEL STYLE 18K/20K/22K/24K		KV-14F-B NEW PANEL STYLE 30K(未投产)		KV-17F-A NEW PANEL STYLE 30K/36K		KV-17F-B OLD PANEL STYLE 18K/24K		KV-21F-A OLD PANEL STYLE 30K/36K/48K		KV-21F-B NEW PANEL STYLE 48K		KV-24F-A OLD PANEL STYLE 60K	
		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

