



Wells HVAC Supply
930 W 21st St, Chicago, IL 60608
Tel: (312) 800-8455

SUBMITTAL DATA SHEET

A-Coil Heat Pump System

Location: _____
Engineer: _____
Submitted to: _____
Submitted by: _____
Reference: _____

Approval: _____
Date: _____
Construction: _____
Unit #: _____
Drawing #: _____

Inquiry: sales@wellshvacsupply.com

Set Code 22023110001489
Indoor unit code 22023111000670
Outdoor unit code 22023116000161

Set Model
Indoor unit model WUA-24AHFM
Outdoor unit model WUCA-24HFMO

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) 20.0
Max.fuse (Outdoor) (A) 35.0
Connection wiring N/A

Cooling

Capacity (Btu/h) 24000(9900-27000)
Power Input (W) 2240(380-2700)
Current (A) 9.0(2.58-10.8)
SEER2 (Btu/W) 16.1
EER2 (Btu/W) 10.7

Heating

Capacity (Btu/h) 25000(9000-34000)
Power Input (W) 2207(500-3260)
Current (A) 8.7(2.15-13.2)
HSPF2-4 (Btu/W) 9.8
HSPF2-5 (Btu/W) 7.8
COP W/W 3.32
Heat at 17F(H32) (Btu/h) 22400
Heat at 5F(H42) (Btu/h) 20000
COP at 5F(H42) W/W 2.00

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	TXV
Design pressure	Outdoor unit	EEV for heating
Refrigerant Type	(PSIG)	550/340
Refrigerant charge		R410A
Refrigerant precharge	oz	3609.24
Additional charge for each ft	(ft)	25.0
Additional charge for each m	(oz/ft)	7.5
Liquid side/ Gas side(indoor)	(inch)	0.69
Liquid side/ Gas side(outdoor)	(mm)	65.0
Max. pipe length	(inch)	3/8" / 3/4"
Max. difference in level	(mm)	9.52/19
Connection method	(ft)	3/8" / 3/4"
Indoor(cooling)	(mm)	9.52/19
Indoor(heating)	(ft)	164.0
Outdoor(cooling)	(m)	50.0
Outdoor(heating)	(ft)	82.0
	(m)	25.0
		Flared
	(Deg. °F)	60 ~ 90
	(Deg. °C)	16 ~ 32
	(Deg. °F)	32 ~ 86
	(Deg. °C)	0 ~ 30
	(Deg. °F)	5 ~ 122
	(Deg. °C)	-15 ~ 50
	(Deg. °F)	-22 ~ 75
	(Deg. °C)	-30 ~ 24

INDOOR UNIT DATA

IRV inch*3 58.30
Air flow SCFM 700
Pressure drop Pa 63.00
In. wg. 0.25

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) 3.05

Indoor unit

Dimension (WxDxH) (inch) 21.02x14.49x17.99
(mm) 534x368x457
Packing(WxDxH) (inch) 17.60x26.06x20.55
(mm) 447x662x522
Net/Gross weight (lbs.) 41.67/46.52
(kg) 18.9/21.1

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

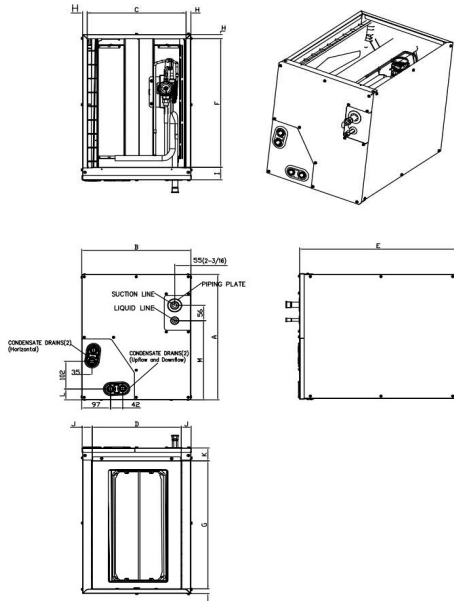
Outdoor air flow (Max.) (CFM) 3000
Outdoor noise level [dB(A)] 63.5

Outdoor unit

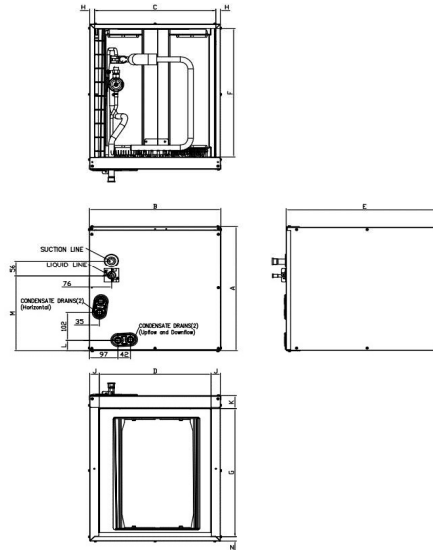
Dimension (WxDxH) (inch) 37.24x16.14x31.89
(mm) 946x410x810
Packing (WxDxH) (inch) 42.91x19.69x34.84
(mm) 1090x500x885
Net/ Gross weight (lbs.) 136.69/145.50
(kg) 62/66

Indoor unit dimension

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		
		18K/20K/22K/24K		30K(36K)		30K/36K		18K/24K		30K/36K/48K		48K		60K		
Dimensions	Model(Btu/h)		in.		in.		in.		in.		in.		in.		in.	
	in.		in.		in.		in.		in.		in.		in.		in.	
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

