



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
Indoor unit code 22023110001527
Outdoor unit code 2202311000690
22023116000164

Set Model
Indoor unit model WUA-36BHFMO
Outdoor unit model WUCA-36HFMO

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) 30.0
Max.fuse (Outdoor) (A) 50.0
Connection wiring N/A

Cooling

Capacity (Btu/h) 35000(11700-40000)
Power Input (W) 3500(800-5000)
Current (A) 14.8(3.5-21)
SEER2 (Btu/W) 15.5
EER2 (Btu/W) 10.0

Heating

Capacity (Btu/h) 38000(9200-50000)
Power Input (W) 3600(800-5000)
Current (A) 15.65(3.5-21)
HSPF2-4 (Btu/W) 8.6
HSPF2-5 (Btu/W) 7.0
COP W/W 3.18
Heat at 17F(H32) (Btu/h) 27400
Heat at 5F(H42) (Btu/h) 31600
COP at 5F(H42) W/W 1.85

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	TXV
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	165.79
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)	213.3
	(m)	65.0
Max. difference in level	(ft)	98.4
	(m)	30.0
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*3 106.90
Air flow SCFM 880
Pressure drop Pa 70.00
In. wg. 0.28

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) //882.35//
Indoor noise level (Hi/Med/Lo) [dB(A)] 0/0/0
Dehumidification (L/H) 4.431

Indoor unit

Dimension (WxDxH) (inch) 17.52x20.98x23.58
(mm) 445x533x599
Packing(WxDxH) (inch) 20.47x26.18x25.39
(mm) 520x665x645
Net/Gross weight (lbs.) 60.19/69.00
(kg) 27.3/31.3

OUTDOOR UNIT DATA

Compressor

Type ROTARY
Model EAPQ420D1UMUA
Brand GMCC
Capacity (Btu/h) 44015
Input (W) 3565
Rated current (RLA) (A) 32
Refrigerant oil/oil charge (ml) 1460±15ml ESTER OIL VG74

Outdoor fan motor

Model ZKFN-85-8-22-5
Qty 2
Input (W) 126.0
Output (W) 85
RLA (A) 1.2
Speed (r/min) 850/750/650

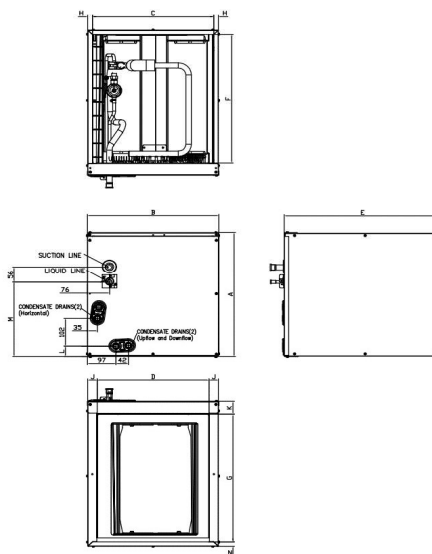
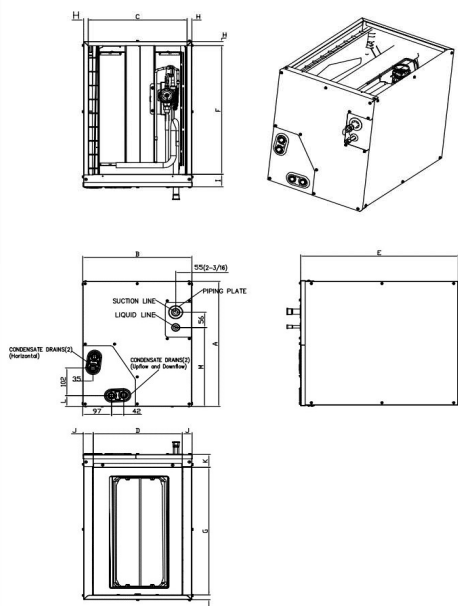
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 4500
Outdoor noise level [dB(A)] 63.0

Outdoor unit

Dimension (WxDxH) (inch) 37.48x16.34x52.48
(mm) 952x415x1333
Packing (WxDxH) (inch) 43.11x19.49x58.27
(mm) 1095x495x1480
Net/ Gross weight (lbs.) 227.07/255.73
(kg) 103/116

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 18K/20K/22K/24K		NEW PANEL STYLE 30K(兼F)		NEW PANEL STYLE 30K/36K		OLD PANEL STYLE 18K/24K		OLD PANEL STYLE 30K/36K/48K		NEW PANEL STYLE 48K		OLD PANEL STYLE 60K	
Dimensions	Model(Btu/h)														
		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	598	23-1/2	598	23-1/2	598	23-1/2	598	23-1/2	598
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	13-3/4	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	534	21	534	21	533	21	533	23	584
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	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	4-1/4	49	4-1/4	49	4-1/4	49	4-1/4	49	4-1/4	49	4-1/4	49	4-1/4	49
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 Drain Height	3-7/16	89	3-7/16	89	3-7/16	89	3-7/16	89	3-7/16	89	3-7/16	89	3-7/16	89
M	Liquid Line Height	11-1/2	292	11-1/2	292	16-1/2	418	10-7/8	276	16-5/16	414	11-1/2	292	20-1/4	514
N	Return Air Opening Side Clearance	3-1/4	19	3/4	19	3/4	19	1-3/16	30	3/4	19	3/4	19	3/4	19

Outdoor unit dimension

