



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

SUBMITTAL DATA SHEET

AHU Heat Pump System

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

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

Inquiry: sales@wellshvacsupply.com

Set Code
Indoor unit code 22023110000947
Outdoor unit code 2202311000311
Outdoor unit code 22022016015920

Set Model
Indoor unit model WMA-24HFMAH
Outdoor unit model WSA-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) 25.0
Max.fuse (Outdoor) (A) 35.0
Connection wiring 14AWG*4

Cooling
Capacity (Btu/h) 23000(7500~26000)
Power Input (W) 1965(280~2600)
Current (A) 8.7(2.4~11.5)
SEER2 (Btu/W) 18.4
EER2 (Btu/W) 11.7

Heating
Capacity (Btu/h) 26000(5600~29000)
Power Input (W) 2180(350~2600)
Current (A) 9.7(2.7~12)
HSPF2-4 (Btu/W) 9.3
HSPF2-5 (Btu/W) 7.5
COP W/W 3.50
Heat at 17F(H32) (Btu/h) 16900
Heat at 5F(H42) (Btu/h) 21200
COP at 5F(H42) W/W 1.90

REFRIGERANT PIPE DATA

	Indoor unit	Outdoor unit	N/A
Throttle type		EXV+Throttle valve	
Design pressure (PSIG)		550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	91.71	
Refrigerant precharge	(ft)	25.0	
	(m)	7.5	
Additional charge for each ft	(oz/ft)	0.32	
Additional charge for each m	(g/m)	30.0	
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"	
	(mm)	9.52/15.9	
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"	
	(mm)	9.52/15.9	
Max. pipe length	(ft)	98.4	
	(m)	30.0	
Max. difference in level	(ft)	65.6	
	(m)	20.0	
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)	-22 ~ -122
	(Deg. °C)	-30 ~ -50
Outdoor(heating)	(Deg. °F)	-22 ~ 75
	(Deg. °C)	-30 ~ 24

INDOOR UNIT DATA

Indoor fan motor
Model ZKFD-250-8-1
Qty 1
Input (W) /
Output (W) /
RLA (A) 3.0
Speed(Hi/Mi/Lo) (r/min) /

Air flow & Noise level
Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 823.53/758.82/694.12/629.41
Indoor noise level (Hi/Med/Lo) [dB(A)] 41/39/38

Dehumidification (L/H) 1.98

Indoor unit
Dimension (WxDxH) (inch) 21.02x17.52x45.00
(mm) 534x445x1143
Packing(WxDxH) (inch) 26.57x20.87x48.62
(mm) 675x530x1235
Net/Gross weight (lbs.) 106.70/127.21
(kg) 48.4/57.7

OUTDOOR UNIT DATA

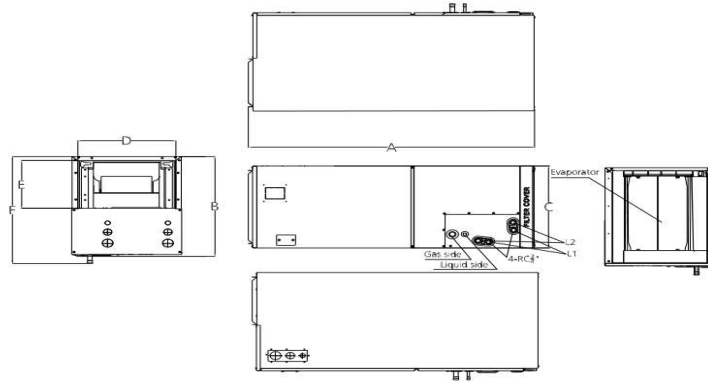
Compressor
Type Twin-ROTARY
Model KTM240D43UKT
Brand GMCC
Capacity (Btu/h) 25931
Input (W) 2045
Rated current (RLA) (A) 17.1
Refrigerant oil/oil charge (ml) ESTER OIL VG74 620

Outdoor fan motor
Model ZKFN-120-8-2
Qty 1
Input (W) 150.0
Output (W) 120
RLA (A) 0.5
Speed (r/min) 950/800/500

Air flow & Noise level
Outdoor air flow (Max.) (CFM) 2235
Outdoor noise level [dB(A)] 62.0

Outdoor unit
Dimension (WxDxH) (inch) 37.24x16.14x31.89
(mm) 946x410x810
Packing (WxDxH) (inch) 42.91x19.69x34.84
(mm) 1090x500x885
Net/ Gross weight (lbs.) 134.48/144.40
(kg) 61/65.5

Indoor unit dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k-24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k-48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor unit dimension

