



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

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	22023110000898
Indoor unit code	22023111000250
Outdoor unit code	22023116000161
Set Model	
Indoor unit model	WUA-24HFMAH
Outdoor unit model	WUCA-24HFMO
Certified	



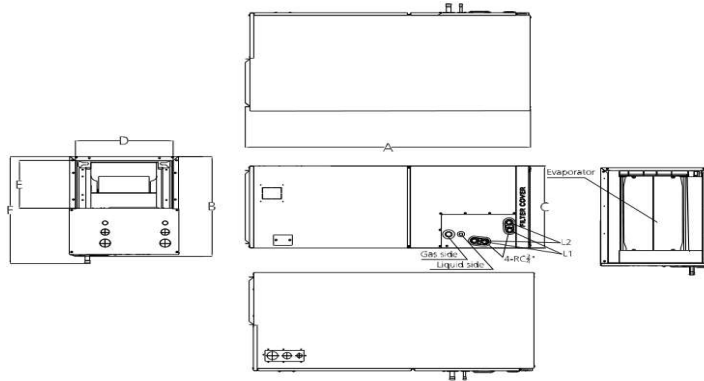
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity(Outdoor)	(A)	20.5	
Max.fuse(Outdoor)	(A)	35.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	24000(6400-27000)	
Power Input	(W)	2050(740-2450)	
Current	(A)	9.1(5.3-11)	
SEER2	(Btu/W)	17.4	
EER2	(Btu/W)	11.7	
Heating			
Capacity	(Btu/h)	24000(10100-31000)	
Power Input	(W)	2100(660-2900)	
Current	(A)	9.3(4.87-12.90)	
HSPF2-4	(Btu/W)	10.0	
HSPF2-5	(Btu/W)	8.0	
COP	WW	3.35	
Heat at 17F(H32)	(Btu/h)	19200	
Heat at 5F(H42)	(Btu/h)	22600	
COP at 5F(H42)	WW	1.91	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
	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			
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)]	39/36/33	
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.)	105.60/127.43	
	(kg)	47.9/57.8	
Accessories			
Adaptor for welding(3/4")	Qty	1	
Adaptor for welding(3/8")	Qty	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)]	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.)	136.69/145.50	
	(kg)	62/66	
Accessories			
Adaptor for welding(3/4")	Qty	1	
Adaptor for welding(3/8")	Qty	1	

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

