



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

SUBMITTAL DATA SHEET

Duct Heat Pump System

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

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

Inquiry: sales@wellshvacsupply.com

Set Code
Indoor unit code 22023010005846
Outdoor unit code 22023011003875
Outdoor unit code 22022016016220

Set Model
Indoor unit model WMA-12HFMD
Outdoor unit model WSA-12HFMO

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)	15.0	
Max.fuse(Outdoor)	(A)	15.0	
Connection wiring		14AWG*4	
Cooling			
Capacity	(Btu/h)	12000(2250~14400)	
Power Input	(W)	1028(177~1350)	
Current	(A)	4.22(1.43~6.18)	
SEER2	(Btu/W)	19.5	
EER2	(Btu/W)	11.7	
Heating			
Capacity	(Btu/h)	12500(1800~16300)	
Power Input	(W)	1030(177~1500)	
Current	(A)	4.58(1.46~6.86)	
HSPF2-4	(Btu/W)	10.0	
HSPF2-5	(Btu/W)	8.2	
COP	W/W	3.56	
Heat at 17F(H32)	(Btu/h)	10600	
Heat at 5F(H42)	(Btu/h)	12100	
COP at 5F(H42)	W/W	1.96	

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	41.62
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Additional charge for each m	(g/m)	15.0
Liquid side/ Gas side(indoor)	(inch)	1/4"/1/2"
	(mm)	6.35/12.7
Liquid side/ Gas side(outdoor)	(inch)	1/4"/1/2"
	(mm)	6.35/12.7
Max. pipe length	(ft)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62 ~ 90
	(Deg. °C)	17 ~ 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		ZKFN-55-8-22-1	
Qty		1	
Input	(W)	130.00	
Output	(W)	55.0	
RLA	(A)	1.0	
Speed(Hi/Mi/Lo)	(r/min)	1170/1030/850	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//352.94/282.35/176.47	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	40/31.5/26.5	
Dehumidification	(L/H)	1.65	
Indoor unit			
Dimension (WxDxH)	(inch)	27.56x19.92x7.87	
	(mm)	700x506x200	
Packing(WxDxH)	(inch)	33.86x21.26x11.22	
	(mm)	860x540x285	
Net/Gross weight	(lbs.)	39.24/48.50	
	(kg)	17.8/22	

OUTDOOR UNIT DATA

Compressor			
Type		ROTARY	
Model		KTN110D42UFZ	
Brand		GMCC	
Capacity	(Btu/h)	11823	
Input	(W)	885	
Rated current (RLA)	(A)	8.8	
Refrigerant oil/oil charge	(ml)	VG74/350	
Outdoor fan motor			
Model		ZKFN-34-10-1	
Qty		1	
Input	(W)	/	
Output	(W)	34	
RLA	(A)	0.4	
Speed	(r/min)	850/680/450	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	1324	
Outdoor noise level	[dB(A)]	52.0	
Outdoor unit			
Dimension (W×D×H)	(inch)	31.69x12.99x21.81	
	(mm)	805x330x554	
Packing (W×D×H)	(inch)	36.02x14.57x24.21	
	(mm)	915x370x615	
Net/ Gross weight	(lbs.)	73.63/79.37	
	(kg)	33.4/36	

