



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

SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System

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

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

Inquiry: sales@wellshvacsupply.com

Set Code
Indoor unit code 22022510004788
Outdoor unit code 22022511003936
22022016015900

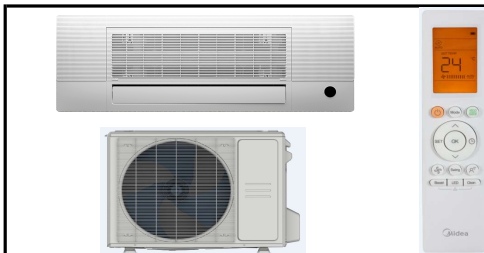
Set Model
Indoor unit model WMA-18HFMCI
Outdoor unit model WSA-18HFMO

Certified

AHRI



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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) 25.0
Connection wiring 14*4 AWG

Cooling

Capacity (Btu/h) 16700(6100~17500)
Power Input (W) 1337(305~1880)
Current (A) 8.30(2.2~8.0)
SEER2 (Btu/W) 19.8
EER2 (Btu/W) 12.5

Heating

Capacity (Btu/h) 20000(6450~21500)
Power Input (W) 2086(1000~2220)
Current (A) 12.3(4.5~9.5)
HSPF2-4 (Btu/W) 11.2
HSPF2-5 (Btu/W) 8.5
COP W/W 2.81
Heat at 17F(H32) (Btu/h) 14500
Heat at 5F(H42) (Btu/h) 16700
COP at 5F(H42) W/W 1.93

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit <td>EXV</td>	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	65.26
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)	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 ZKFN-30-8-43
Qty 1
Input (W) /
Output (W) 30.0
RLA (A) 1.50
Speed(Hi/Mi/Lo) (r/min) 1344/1184/1024

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 400.00/351.76/300.00/207.06
Indoor noise level (Hi/Med/Lo) [dB(A)] 44/40.5/35

Dehumidification

(L/H) 2.18

Indoor unit

Dimension (WxDxH) (inch) 50.31x13.19x8.98
(mm) 1278x335x228
Packing(WxDxH) (inch) 57.60x22.48x22.64
(mm) 1463x571x575
Net/Gross weight (lbs.) 45.19/82.89
(kg) 20.5/37.6

OUTDOOR UNIT DATA

Compressor

Type Twin-ROTARY
Model KTM240D43UKT
Brand GMCC
Capacity (Btu/h) 25931
Input (W) 2045
Rated current (RLA) (A) 14.3
Refrigerant oil/oil charge (ml) ESTER OIL VG74 620

Outdoor fan motor

Model ZKFN-80-8-3
Qty 1
Input (W) /
Output (W) 80.00
RLA (A) 0.76
Speed (r/min) 810/720

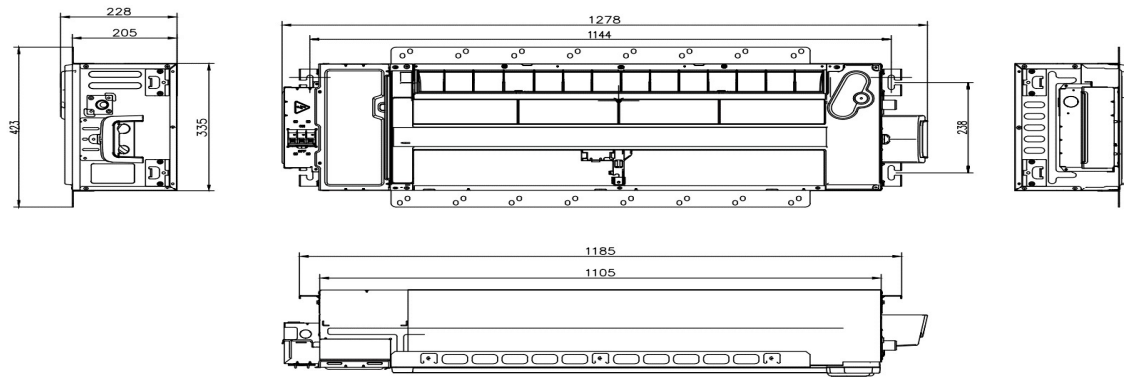
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 1764.7
Outdoor noise level [dB(A)] 57.5

Outdoor unit

Dimension (WxDxH) (inch) 35.04x13.46x26.50
(mm) 890x342x673
Packing (WxDxH) (inch) 39.17x15.67x29.13
(mm) 995x398x740
Net/ Gross weight (lbs.) 100.97/108.03
(kg) 45.8/49

Indoor unit dimension



Outdoor unit dimension

