



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

Four 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 22022510004446
Outdoor unit code 22022511003396
Outdoor unit code 22022016015920

Set Model
Indoor unit model WMA-24HFMC4
Outdoor unit model WSA-24HFMO

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) 25.0
Max.fuse(Outdoor) (A) 35.0
Connection wiring 14*4 AWG

Cooling

Capacity (Btu/h) 24000(8000~25000)
Power Input (W) 2182(330~1560)
Current (A) 8.5(2.6~11)
SEER2 (Btu/W) 20.5
EER2 (Btu/W) 11.0

Heating

Capacity (Btu/h) 25000(11800~27000)
Power Input (W) 2093(685~2814)
Current (A) 9.8(4.4~12.8)
HSPF2-4 (Btu/W) 11.5
HSPF2-5 (Btu/W) 9.2
COP W/W 3.50
Heat at 17F(H32) (Btu/h) 21000
Heat at 5F(H42) (Btu/h) 25800
COP at 5F(H42) W/W 2.00

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	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)	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)	-22~122
	(Deg. °C)	-30 ~ 50
Outdoor(heating)	(Deg. °F)	-22 ~ 75
	(Deg. °C)	-30 ~ 24

INDOOR UNIT DATA

Indoor fan motor

Model ZKFN-45-8-1
Qty 1
Input (W) /
Output (W) 45.0
RLA (A) 1.00
Speed(Hi/Mi/Lo) (r/min) 680/624/568/512

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 764.71/705.88/635.29/547.06
Indoor noise level (Hi/Med/Lo) [dB(A)] 48/45.5/43

Dehumidification

(L/H) 2.72

Indoor unit

Dimension (WxDxH) (inch) 32.68x32.68x8.07
(mm) 830x830x205
Packing(WxDxH) (inch) 35.83x35.83x9.84
(mm) 910x910x250
Net/Gross weight (lbs.) 47.18/55.34
(kg) 21.4/25.1

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) 150.00
Output (W) 120.00
RLA (A) 0.50
Speed (r/min) 950/800/500

Air flow & Noise level

Outdoor air flow (Max.) (CFM) 2235.3
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



Capacity (Btu/h)	Unit	A	B	C	D
24K	mm	165	80	205	50
	inch	6.5	3.15	8.07	1.97
36K	mm	165	100	245	60
	inch	6.5	3.64	9.65	2.36
48K	mm	165	100	287	60
	inch	6.5	3.64	11.30	2.36

