



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 22022510004427
Outdoor unit code 22022511000711
Outdoor unit code 22022016015900

Set Model
Indoor unit model WMA-18HFM4
Outdoor unit model WSA-18HFM0

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) 20.0
Max.fuse(Outdoor) (A) 25.0
Connection wiring 14*4 AWG

Cooling

Capacity (Btu/h) 16000(5600~17000)
Power Input (W) 1280(250~1800)
Current (A) 8.0(1.70~8.6)
SEER2 (Btu/W) 20.0
EER2 (Btu/W) 12.5

Heating

Capacity (Btu/h) 17000(8700~21000)
Power Input (W) 1690(590~2400)
Current (A) 10.8(3.7~12.2)
HSPF2-4 (Btu/W) 9.5
HSPF2-5 (Btu/W) 7.8
COP W/W 2.95
Heat at 17F(H32) (Btu/h) 15900
Heat at 5F(H42) (Btu/h) 16000
COP at 5F(H42) W/W 1.75

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	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)	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 ZKFP-46-8-1
Qty 1
Input (W) 45.00
Output (W) 46.0
RLA (A) 1.50
Speed(Hi/Mid/Lo) (r/min) 730/630/570

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) //562.35/485.29/438.82
Indoor noise level (Hi/Med/Lo) [dB(A)] 43.5/38.5/35.5
Dehumidification (L/H) 2.22

Indoor unit

Dimension (WxDxH) (inch) 22.44x22.44x10.24
(mm) 570x570x260
Packing(WxDxH) (inch) 26.06x26.06x12.48
(mm) 662x662x317
Net/Gross weight (lbs.) 35.71/46.96
(kg) 16.2/21.3

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

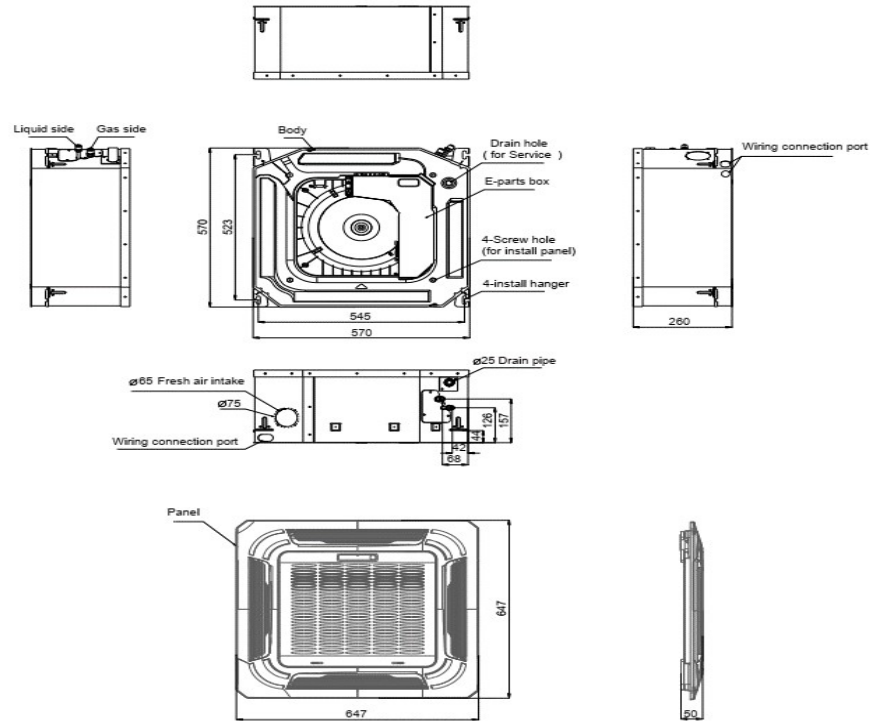
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 1764.7
Outdoor noise level [dB(A)] 59.0

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

