

SUBMITTAL DATA SHEET



CH-090LVWM-115VI / CH-ES09-115VO 9,000 BTU/H(115V) Wall Mounted Heat Pump System

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

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

Set Model
 Indoor unit model CH-090LVWM-115VI
 Outdoor unit model CH-ES09-115VO

Certified
 AHRI
 UL



SYSTEM PERFORMANCE DATA

Power supply
 Normal Operational Voltage (V, Ph, Hz) 115, 1, 60
 Voltage Range (V) 103.5-126.5

Electrical
 Minimum circuit ampacity (A) 19.0
 Max.fuse (A) 25.0
 Connection wiring 14*4 AWG

Cooling
 Rated Capacity (Btu/h) 9000
 Capacity Range (Btu/h) 3930-13200
 Power Input (Max) (W) 960
 Rated current (A) 8.3
 SEER (Btu/W) 23
 EER (Btu/W) 13.8

Heating at 47F
 Rated Capacity (Btu/h) 9200
 Capacity Range (Btu/h) 5000-12600
 Power Input (Max) (W) 1000
 Rated current (A) 8.7
 HSPF4 (Btu/W) 11
 HSPF5 (Btu/W) --
 COP W/W 3.52

Heating at 17F
 Max Capacity (Btu/h) 8200

REFRIGERANT PIPE DATA

Design pressure (PSIG) 550/340
 Refrigerant Type (Oz) R410A/39.5
 Refrigerant precharge (ft) 25.0
 (m) 7.6
 Additional charge for each ft (oz/ft) 0.16
 (g/ft) 15
 Liquid side/ Gas side (inch) 1/4" / 1/2"
 (mm) $\phi 6.35 / \phi 12.7$
 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 / °C) 60~90 / 16~32
 Indoor(heating) (Deg. °F / °C) 32~86 / 0~30
 Outdoor(cooling) (Deg. °F / °C) -13~122 / -25~50
 Outdoor(heating) (Deg. °F / °C) -13~75 / -25~24
 Application area (sq.ft) 172.22~247.57
 (m2) 16~23

INDOOR UNIT DATA

Indoor fan motor
 Type Cross-Flow
 Model ZKFP-20-8-113
 Qty 1
 Input (W) 35.0
 RLA (A) --
 LRA (A) --
 Winding Resistance (Ω) --
 Capacitor (μ F) --
 Speed(Hi/Mi/Lo) (r/min) 850/750/450

Air flow & Noise level
 Indoor air flow (Hi/Med/Lo) (N) (CFM) 300.00/241.18/176.47
 Indoor noise level (Hi/Med/Lo) [dB(A)] 41.5/36/24

Dehumidification (Pint/H) --

Indoor unit
 Dimension (WxDxH) (inch) 31.57x7.87x11.61
 (mm) 802x200x295
 Packing(WxDxH) (inch) 34.45x11.22x14.96
 (mm) 875x285x380
 Net/Gross weight (lbs.) 18.96/24.47
 (kg) 8.6/11.1

OUTDOOR UNIT DATA

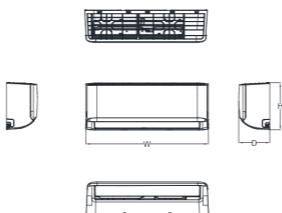
Compressor
 Type KSK103D33UEZ3
 Model ROTARY
 Brand GMCC
 Capacity (Btu/h) 6944 / 11107
 Input (W) 325 / 826
 Rated current (RLA) (A) --
 Refrigerant oil/oil charge (ml) --
 Throttle Capillary +EXV

Outdoor fan motor
 Model ZKFN-34-10-1
 Qty 1
 Input (W) --
 RLA (A) --
 Speed (r/min) 850/600

Air flow & Noise level
 Outdoor air flow (Max.) (CFM) 794.12
 Outdoor noise level [dB(A)] 54

Outdoor unit
 Dimension (WxDxH) (inch) 30.12x11.93x21.85
 (mm) 765x303x555
 Packing (WxDxH) (inch) 34.92x13.27x24.02
 (mm) 887x337x610
 Net/ Gross weight (lbs.) 66.80/72.31
 (kg) 30.3/32.8

Indoor unit dimension



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
6K~11K	A	729/28.7	200/7.87	292/11.5
8K~14K	B	802/31.57	200/7.87	295/11.61
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

Outdoor unit dimension

