



<b>CH-12OLVWM-115VI / CH-ES12-115VO</b>	<b>12,000 BTU/H(115V)</b>	<b>Wall Mounted Heat Pump System</b>
Location: _____	Approval: _____	Date: _____
Engineer: _____	Construction: _____	Unit #: _____
Submitted to: _____	Unit #: _____	Drawing #: _____
Submitted by: _____		
Reference: _____		

**Set Model**  
 Indoor unit model CH-12OLVWM-115VI  
 Outdoor unit model CH-ES12-115VO

**Certified**

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**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* AWG

**Cooling**

Rated Capacity (Btu/h)	12000
Capacity Range (Btu/h)	3930-13200
Power Input (Max) (W)	960
Rated current (A)	8.3
SEER (Btu/W)	22
EER (Btu/W)	12.5

**Heating at 47F**

Rated Capacity (Btu/h)	12000
Capacity Range (Btu/h)	5000-12600
Power Input (Max) (W)	1000
Rated current (A)	8.7
HSPF4 (Btu/W)	11.5
HSPF5 (Btu/W)	9.8
COP	3.52

**Heating at 17F**

Max Capacity (Btu/h)	8200
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**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)	Φ6.35 / Φ12.7
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 (uF)	-
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)**

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**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	KSK103D33UE23
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

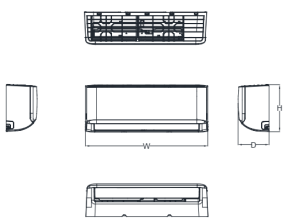
**Air flow & Noise level**

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**

