

SUBMITTAL DATA SHEET



CH-09MOLVWM-230VI / CH-ES09-230VO 9,000 BTU/H(208/230V) Wall Mounted Heat Pump System

Location: _____ Approval: _____
 Engineer: _____ Date: _____
 Submitted to: _____ Construction: _____
 Submitted by: _____ Unit #: _____
 Reference: _____ Drawing #: _____

Set Model
 Indoor unit model CH-09MOLVWM-230VI
 Outdoor unit model CH-ES09-230VO

Certified



SYSTEM PERFORMANCE DATA

Power supply
 Normal Operational Voltage (V, Ph, Hz) 208/230, 1, 60
 Voltage Range (V) 187-253

Electrical
 Minimum circuit ampacity (A) 13.0
 Max.fuse (A) 15.0
 Connection wiring 14* AWG

Cooling
 Rated Capacity (Btu/h) 9000
 Capacity Range (Btu/h) 2500-11900
 Power Input (Max) (W) 612
 Rated current (A) 2.66
 SEER (Btu/W) 24
 EER (Btu/W) 14.7

Heating at 47F
 Rated Capacity (Btu/h) 10000
 Capacity Range (Btu/h) 3400-13000
 Power Input (Max) (W) 800
 Rated current (A) 3.48
 HSPF4 (Btu/W) 12.7
 HSPF5 (Btu/W) 10.0
 COP W/W 3.66

Heating at 17F
 Max Capacity (Btu/h) 9500

REFRIGERANT PIPE DATA

Design pressure (PSIG)	550/340
Refrigerant Type (Oz)	R410A/38.1
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" / 3/8"
	(mm) φ6.35 / φ9.52
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)	129.17~193.75
	(m ²) 12~18

INDOOR UNIT DATA

Indoor fan motor

Type	Cross-Flow
Model	ZKFP-13-8-4
Qty	1
Input (W)	-
RLA (A)	-
LRA (A)	-
Winding Resistance (Ω)	-
Capacitor (uF)	-
Speed(Hi/Mi/Lo) (r/min)	1150/990/750

Air flow & Noise level
 Indoor air flow (Hi/Med/Lo) (CFM) 291.18/194.12/152.94
 Indoor noise level (Hi/Med/Lc) [dB(A)] 40/34/23.5
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.)	18.96/24.25
	(kg) 8.6/11

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)	800/600

Air flow & Noise level
 Outdoor air flow (Max.) (CFM) 1294.10
 Outdoor noise level [dB(A)] 53

Outdoor unit

Dimension (W×D×H) (inch)	30.12x11.93x21.85
	(mm) 765x303x555
Packing (W×D×H) (inch)	34.92x13.27x24.02
	(mm) 887x337x610
Net/ Gross weight (lbs.)	63.71/69.00
	(kg) 28.9/31.3

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

DETAIL A SCALE 1:2