

SUBMITTAL DATA SHEET



CH-09MOLVWM-230VI / CH-HPR09-230VO 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-HPR09-230VO

**Certified**  
 AHRI   
 UL



**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>		
Normal Operational Voltage (V, Ph, Hz)		208/230, 1, 60
Voltage Range (V)		187-253
<b>Electrical</b>		
Minimum circuit ampacity (A)		15.0
Max.fuse (A)		15.0
Connection wiring		14*4 AWG
<b>Cooling</b>		
Rated Capacity (Btu/h)		9000
Capacity Range (Btu/h)		3700~13300
Power Input (Max) (W)		569
Rated current (A)		2.5
SEER (Btu/W)		25.5
EER (Btu/W)		15.8
<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		5100~14300
Power Input (Max) (W)		902
Rated current (A)		4.0
HSPF4 (Btu/W)		12.5
HSPF5 (Btu/W)		10.5
COP		3.90
<b>Heating at 17F</b>		
Max Capacity (Btu/h)		12000

**REFRIGERANT PIPE DATA**

Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/41.62
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)		-22~122 / -30~50
Outdoor(heating) (Deg. °F/°C)		-22~75 / -30~24
Application area (sq.ft)		129.17~193.75
	(m2)	12~18

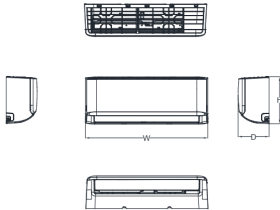
**INDOOR UNIT DATA**

<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		ZKFP-13-B-4
Qty		1
Input (W)		-
RLA (A)		-
LRA (A)		-
Winding Resistance (Ω)		-
Capacitor (uF)		-
Speed(Hi/Mi/Lo) (r/min)		1150/990/750
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (h) (CFM)		291.18/194.12/152.94
Indoor noise level (Hi/Med/Lo) [dB(A)]		40/35/23.5
<b>Dehumidification (Pint/H)</b>		
		-
<b>Indoor unit</b>		
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**

<b>Compressor</b>		
Type		KTN110D42UFZ
Model		DUAL ROTARY
Brand		GMCC
Capacity (Btu/h)		11822.58
Input (W)		885
Rated current (RLA) (A)		-
Refrigerant oil/oil charge (ml)		-
Throttle		Capillary +EXV
<b>Outdoor fan motor</b>		
Model		ZKFN-34-10-1
Qty		1
Input (W)		-
RLA (A)		-
Speed (r/min)		850/680/450
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.) (CFM)		1323.50
Outdoor noise level [dB(A)]		54.5
<b>Outdoor unit</b>		
Dimension (WxDxH) (inch)		31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH) (inch)		36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight (lbs.)		74.07/80.25
	(kg)	33.6/36.4

**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**

