

SUBMITTAL DATA SHEET



<b>CH-12MOLVWM-230VI / CH-HPR12-230VO</b>	<b>12,000 BTU/H(208/230V)</b>	<b>Wall Mounted Heat Pump System</b>
Location: _____	Approval: _____	Date: _____
Engineer: _____	Construction: _____	Unit #: _____
Submitted to: _____	Drawing #: _____	
Submitted by: _____		
Reference: _____		

**Set Model**  
 Indoor unit model: CH-12MOLVWM-230VI  
 Outdoor unit model: CH-HPR12-230VO

**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)		12000
Capacity Range (Btu/h)		3700-13300
Power Input (Max) (W)		923
Rated current (A)		2.5
SEER (Btu/W)		22
EER (Btu/W)		13

<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		5100-14300
Power Input (Max) (W)		978
Rated current (A)		4.25
HSPF4 (Btu/W)		12.7
HSPF5 (Btu/W)		10.8
COP		3.60

<b>Heating at 17F</b>		
Max Capacity (Btu/h)		12000

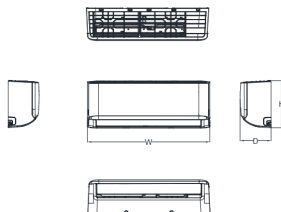
REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/41.62
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each ft (oz/ft)		0.16
	(g/ft)	15
Liquid side/ Gas side (inch)		1/4" / 1/2"
	(mm)	Φ6.35 / Φ12.7
Max. pipe length (ft)		82.0
	(m)	25.0
Max. difference 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)		-22-122 / -30~50
Outdoor(heating) (Deg. °F/ °C)		-22-75 / -30~24
Application area (sq.ft)		172.22~247.57
	(m2)	16~23

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
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)		1250/950/750
<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)]		41.5/36/24
<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.)		18.74/24.25
	(kg)	8.5/11

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)]		56
<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.)		73.63/79.37
	(kg)	33.4/36

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

