

SUBMITTAL DATA SHEET



CH-12MOLVWM-230VI / CH-ES12-230VO		12,000 BTU/H(208/230V)		Wall Mounted Heat Pump System	
Location: _____	Approval: _____	Date: _____	Construction: _____	Unit #: _____	Drawing #: _____
Engineer: _____					
Submitted to: _____					
Submitted by: _____					
Reference: _____					

Set Model	Indoor unit model: CH-12MOLVWM-230VI
	Outdoor unit model: CH-ES12-230VO
Certified	AHRI UL



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)		12000
Capacity Range (Btu/h)		3600-13300
Power Input (Max) (W)		930
Rated current (A)		4.05
SEER (Btu/W)		22.2
EER (Btu/W)		13

Heating at 47F		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		4500-13500
Power Input (Max) (W)		1035
Rated current (A)		4.5
HSPF4 (Btu/W)		10.8
HSPF5 (Btu/W)		9.1
COP		3.40

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

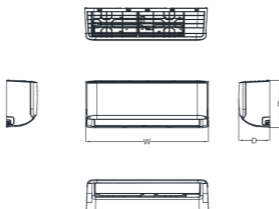
REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/38.1
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each ft (oz/ft)		0.16
	(g/ft)	15
Liquid side/ Gas side (inch)		1/4" / 1/2"
	(mm)	φ6.35 / φ12.7
Max. pipe length (ft)		82.0
	(m)	25.0
Max. difference 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-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
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (h) (CFM)		291.18/194.12/152.94
Indoor noise level (Hi/Med/Lo) [dB(A)]		42/36/25
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.)		18.74/24.25
	(kg)	8.5/11

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)]		53.5
Outdoor unit		
Dimension (WxDxH) (inch)		30.12x11.93x21.85
	(mm)	765x303x555
Packing (WxDxH) (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

