

SUBMITTAL DATA SHEET



CH-24MOLVWM-230VI / CH-ES24-230VO	24,000 BTU/H(208/230V)	Wall Mounted Heat Pump System
Location: _____	Approval: _____	Date: _____
Engineer: _____	Construction: _____	Unit #: _____
Submitted to: _____	Drawing #: _____	
Submitted by: _____		
Reference: _____		

Set Model
 Indoor unit model: CH-24MOLVWM-230VI
 Outdoor unit model: CH-ES24-230VO

Certified

AHRI

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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)		22.0
Max.fuse (A)		30.0
Connection wiring		14*4 AWG
Cooling		
Rated Capacity (Btu/h)		24000
Capacity Range (Btu/h)		9200-25000
Power Input (Max) (W)		1846
Rated current (A)		8.02
SEER (Btu/W)		21
EER (Btu/W)		13

Heating at 47F		
Rated Capacity (Btu/h)		26000
Capacity Range (Btu/h)		10350-26410
Power Input (Max) (W)		2420
Rated current (A)		10.35
HSPF4 (Btu/W)		10
HSPF5 (Btu/W)		8.5
COP W/W		3.15

HEATING AT 17F

Max Capacity (Btu/h)		19960
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REFRIGERANT PIPE DATA

Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/82.89
Refrigerant precharge (ft)		25.0
(m)		7.6
Additional charge for each ft (oz/ft)		0.32
(g/ft)		30
Liquid side/ Gas side (inch)		3/8" / 5/8"
(mm)		Φ9.52 / Φ15.9
Max. pipe length (ft)		164.0
(m)		50.0
Max. difference in level (ft)		82.0
(m)		25.0
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)		344.44~505.90
(m2)		32~47

INDOOR UNIT DATA

Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-58-8-1-5
Qty		1
Input (W)		58.0
RLA (A)		-
LRA (A)		-
Winding Resistance (Ω)		-
Capacitor (uF)		-
Speed(Hi/Mi/Lo) (r/min)		1200/1080/600
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (CFM)		601.18/468.82/382.35
Indoor noise level (Hi/Med/Lo) [dB(A)]		48/40/28
Dehumidification (Pint/H)		
		-
Indoor unit		
Dimension (WxDxH) (inch)		42.60x9.21x13.27
(mm)		1082x234x337
Packing(WxDxH) (inch)		45.47x16.34x12.40
(mm)		1155x415x315
Net/Gross weight (lbs.)		29.98/38.14
(kg)		13.6/17.3

OUTDOOR UNIT DATA

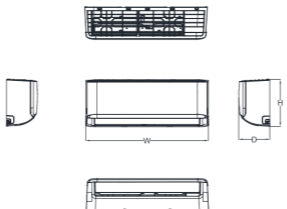
Compressor		
Type		KTM240D43UKT
Model		DUAL ROTARY
Brand		GMCC
Capacity (Btu/h)		25932.27641
Input (W)		2045
Rated current (RLA) (A)		-
Refrigerant oil/oil charge (ml)		-
Throttle		Capillary+EXV

Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input (W)		-
RLA (A)		-
Speed (r/min)		900/810/450/360

Air flow & Noise level		
Outdoor air flow (Max.) (CFM)		2235.30
Outdoor noise level [dB(A)]		60

Outdoor unit		
Dimension (WxDxH) (inch)		37.24x16.14x31.89
(mm)		946x410x810
Packing (WxDxH) (inch)		42.91x19.69x34.84
(mm)		1090x500x885
Net/ Gross weight (lbs.)		124.78/134.92
(kg)		56.6/61.2

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

