

CH-NY24MIA-230VI / CH-NY24MIA-230VO		24,000 BTU/H(208/230V)		Wall Mounted Heat Pump System	
Location: _____	Approval: _____	Date: _____	Construction: _____	Unit #: _____	Drawing #: _____
Engineer: _____					
Submitted to: _____					
Submitted by: _____					
Reference: _____					

CH-NY24MIA-230VI
CH-NY24MIA-230VO

Set Model
Indoor unit model CH-NY24MIA-230VI
Outdoor unit model CH-NY24MIA-230VO

Certified
AHRI
UL



SYSTEM PERFORMANCE DATA

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

Electrical
Minimum circuit ampacity (A) 19
Max fuse (A) 30
Connection wiring 14*4 AWG

Cooling
Rated Capacity (Btu/h) 24000
Capacity Range (Btu/h) 6704-25300
Power Input (Max) (W) 2665
Rated current (A) 11.6
SEER (Btu/W) 18
EER (Btu/W) 9

Heating at 47F
Rated Capacity (Btu/h) 24000
Capacity Range (Btu/h) 6900-28100
Power Input (Max) (W) 2320
Rated current (A) 10.08
HSPF4 (Btu/W) 9.8
HSPF5 (Btu/W) 8.0
COP W/W 3.03

Heating at 17F
Max Capacity (Btu/h) 18200

INDOOR UNIT DATA

Indoor fan motor
Type Cross-Flow
Model ZKFP-58-8-1-10
Qty 1
Input (W) 58.0
RLA (A) 0.5
LRA (A) ---
Winding Resistance (Ω) ---
Capacitor (uF) ---
Speed(Hi/Mi/Lo) (r/min) 1100/900/750

Air flow & Noise level
Indoor air flow (Hi/Med/Lo) (h) (CFM) 588.24/450.00/352.94
Indoor noise level (Hi/Med/Lo) [dB(A)] 45.5/39.5/35

Dehumidification (Pint/H) ---

Indoor unit
Dimension (WxDxH) (inch) 42.52x8.90x13.19
(mm) 1080x226x335
Packing(WxDxH) (inch) 45.47x16.34x12.60
(mm) 1155x415x320
Net/Gross weight (lbs.) 29.98/38.58
(kg) 13.6/17.5

REFRIGERANT PIPE DATA

Design pressure (PSIG) 550/340
Refrigerant Type (Oz) R410A/62.8
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/ heating) (Deg. °F) 63~90 / 32~86
(Deg. °C) 17~32 / 0~30
Outdoor(cooling/heating) (Deg. °F) 5-122 / 5-75
(Deg. °C) -15~50 / -15~24
Application area (sq.ft) 344.44~505.90
(m2) 32~47

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

Outdoor fan motor
Model ZKFN-80-8-3
Qty 1
Input (W) --
RLA (A) --
Speed (r/min) 810/720

Air flow & Noise level
Outdoor air flow (Max.) (CFM) 1764.71
Outdoor noise level [dB(A)] 60.00

Outdoor unit
Dimension (W*D*H) (inch) 35.04x13.46x26.50
(mm) 890x342x673
Packing (W*D*H) (inch) 39.17x15.67x29.13
(mm) 995x398x740
Net/ Gross weight (lbs.) 97.88/104.50
(kg) 44.4/47.4

Indoor unit dimension

Capacity	Body Code	W(mm)	D(mm)	H(mm)
7K-9K	A	722	187	290
9K-12K	B	802	189	297
12K-18K	D	965	215	319
18K-24K	E	1080	226	335
27K-36K	F	1259	282	362
30K-36K	G	1350	272	365

Outdoor unit dimension

35.24(895) W3

26.5(673) H

0.43(11)

13.46(342) D

26.1(663) W1

35(890) W

37.6(955) W2

14.96(380) D2

12.8(325) D3

13.7(348) D1

2.91(74) A

2.4(61) B1

2.05(52) B2

4.25(108) H1

4.25(108) H2

DETAIL A SCALE 1:1