

CH-NY12MIA-230VI / CH-NY12MIA-230VO 12,000 BTU/H(208/230V) Wall Mounted Heat Pump System

Location: _____ Approval: _____
 Engineer: _____ Date: _____
 Submitted to: _____ Construction: _____
 Submitted by: _____ Unit #: _____
 Reference: _____ Drawing #: _____

CH-NY12MIA-230VI
 CH-NY12MIA-230VO

Set Model
 Indoor unit model MSABB-12HRFN1-MT5W
 Outdoor unit model MOX230-12HFN1-MS8W

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) 15
 Max.fuse (A) 15
 Connection wiring 14*4 AWG

Cooling
 Rated Capacity (Btu/h) 12000
 Capacity Range (Btu/h) 3800~12850
 Power Input (Max) (W) 1095
 Rated current (A) 4.86
 SEER (Btu/W) 20.5
 EER (Btu/W) 10.8

Heating at 47F
 Rated Capacity (Btu/h) 12000
 Capacity Range (Btu/h) 2730~12500
 Power Input (Max) (W) 1090
 Rated current (A) 5.05
 HSPF4 (Btu/W) 10
 HSPF5 (Btu/W) 8
 COP W/W 3.23

Heating at 17F
 Max Capacity (Btu/h) 8600

REFRIGERANT PIPE DATA

Design pressure (PSIG) 550/340
 Refrigerant Type (Oz) R410A/28.6
 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) $\phi 6.35 / \phi 12.7$
 Max. pipe length (ft) 82.0
 (m) 25.0
 Max. difference in level (ft) 32.8
 (m) 10.0
 Connection method (Flared)

Indoor(cooling/ 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) 172.22~247.57
 (m2) 16~23

INDOOR UNIT DATA

Indoor fan motor
 Type Cross-Flow
 Model ZKFP-20-8-6-7
 Qty 1
 Input (W) 50.0
 RLA (A) 0.25
 LRA (A) ---
 Winding Resistance (Ω) ---
 Capacitor (μ F) ---
 Speed(Hi/Mi/Lo) (r/min) 1080/850/650

Air flow & Noise level
 Indoor air flow (Hi/Med/Lo) (N) (CFM) 317.06/207.06/143.53
 Indoor noise level (Hi/Med/Lo) [dB(A)] 37/30/22.5

Dehumidification (Pint/H) ---

Indoor unit
 Dimension (WxDxH) (inch) 31.57x7.44x11.69
 (mm) 802x189x297
 Packing(WxDxH) (inch) 34.45x11.22x14.96
 (mm) 875x285x380
 Net/Gross weight (lbs.) 18.96/24.91
 (kg) 8.6/11.3

OUTDOOR UNIT DATA

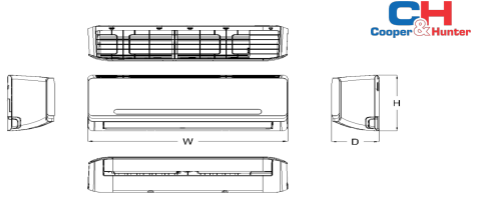
Compressor
 Type KSN98D64UFZ3
 Model ROTARY
 Brand GMCC
 Capacity (Btu/h) 6585 / 10578
 Input (W) 292 / 765
 Rated current (RLA) (A) -
 Refrigerant oil/oil charge (ml) -
 Throttle Capillary

Outdoor fan motor
 Model ZKFN-34-10-1-3
 Qty 1
 Input (W) ---
 RLA (A) ---
 Speed (r/min) 780/700/600

Air flow & Noise level
 Outdoor air flow (Max.) (CFM) 1235.29
 Outdoor noise level [dB(A)] 53.5

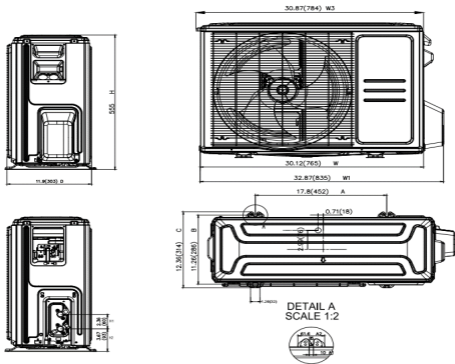
Outdoor unit
 Dimension (WxDxH) (inch) 30.12x11.93x21.85
 (mm) 765x303x555
 Packing (WxDxH) (inch) 34.92x13.27x24.02
 (mm) 887x337x610
 Net/ Gross weight (lbs.) 59.30/64.82
 (kg) 26.9/29.4

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



DETAIL A
 SCALE 1:2