



Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Model Number: A4MO23-27N2-M1H
 Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____



| OUTDOOR SPECIFICATION | | |
|------------------------------|--------|--------------------------|
| Compressor Type | ROTARY | |
| Refrigerant | R454B | |
| Factory Charge | 1000ml | |
| Refrigerant Oil | VG74 | |
| Outdoor Air Flow (Max) (CFM) | 2148 | |
| Outdoor Noise Level (dBA) | 61.0 | |
| Dimension (W×D×H) | inch | 37-1/4 x 16-1/8 x 31-7/8 |
| | mm | 946 x 410 x 810 |
| Package (W×D×H) | inch | 42-7/8 x 19-5/8 x 34-7/8 |
| | mm | 1090 x 500 x 885 |
| Net/Gross Weight | lbs | 168/180 |
| | kg | 76.4/81.5 |

| EFFICIENCY | | | |
|------------|------|---------|-----|
| Cooling | | Heating | |
| SEER2 | 19.0 | HSPF2-4 | 9.5 |
| EER2 | 12.0 | COP | 3.6 |

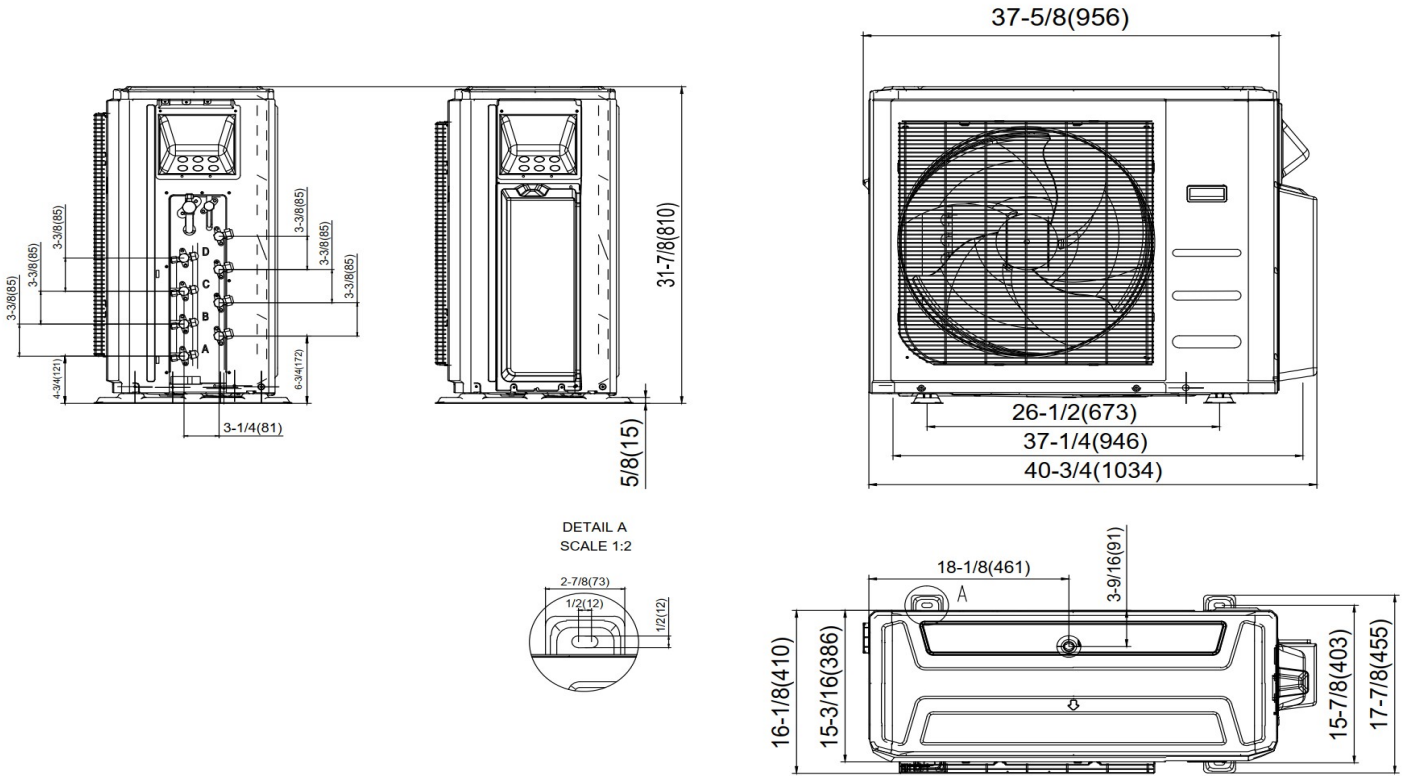
| PERFORMANCE of Cooling | |
|---------------------------|-----------------------------------------------------|
| Cooling (Btu/hr) | |
| Rated Capacity | 28000 |
| Min/Max Capacity | 7200~38000 |
| Moisture Removal | 0.2 |
| Standard Operating Range | -22°F~122°F (-30°C~50°C) |
| Rated Cooling Conditions: | Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB |

| PERFORMANCE of Heating | |
|---------------------------------------------------------------|-----------------------------------------------------|
| Heating (Btu/hr) | |
| 1. @ 47°F Rated (Min/Max) | 28000(8400~38500) |
| 2. @ 17°F Rated | 23000 |
| 3. @ 5°F Max: Capacity / COP | 27000/2 |
| Standard Operating Range | -22°F~75°F (-30°C~24°C) |
| 1. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB |
| 2. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB |
| 3. Heating Conditions, Compressor Operating at Max. Frequency | Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB |

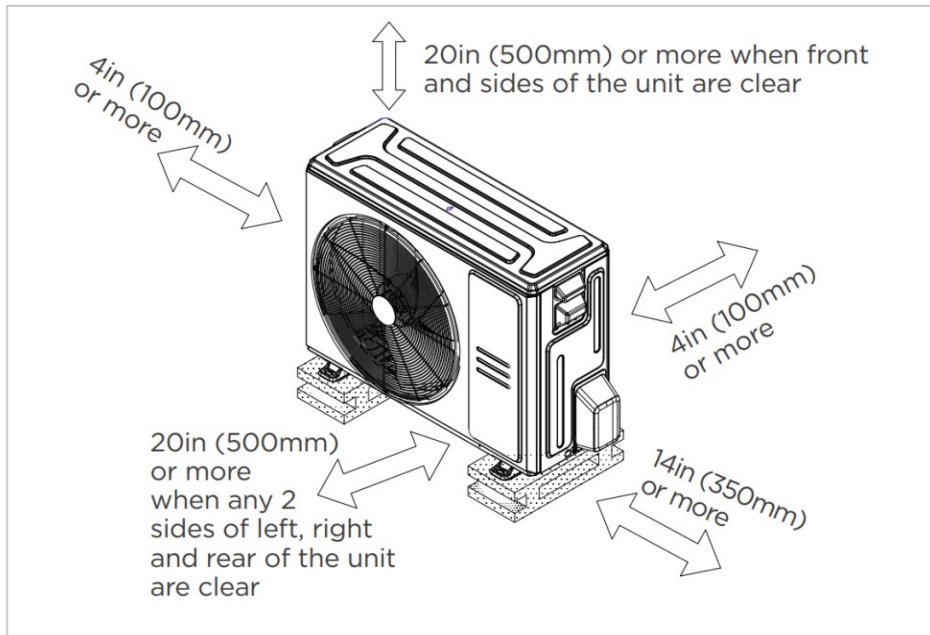
| ELECTRICAL | |
|----------------------------------|----------------------------------------|
| Power Supply | 208/230V,60Hz,1Ph |
| System MCA | 30 |
| Connection Wiring | AWG 14-4 |
| System MOCP | 35 |
| Compressor RLA | 17 |
| Outdoor Fan Motor RLA | 1.3 |
| Outdoor Fan Motor W | 120 |
| Indoor Fan Motor RLA | / |
| Indoor Fan Motor W | / |
| System Power Input @ Cooling (W) | 2333/(500 ~ 4500) |
| System Power Input @ Heating (W) | 2279/(500 ~4000) |
| MCA: Min. circuit amps (A) | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A) | W: Fan motor rated output (W) |

| PIPING | |
|-------------------------------------------------------------|----------------------------------------|
| Liquid Size | 4x1/4in (4x6.35mm) |
| Gas Size | 3x3/8in+1x1/2in (3x9.52mm+1x12.7mm) |
| Drain Size | 5/8in (15.88mm) |
| Max. Piping Length for all rooms | 262.4ft (80m) |
| Max. Piping Length for one IDU | 114.8ft (35m) |
| Max. Height Difference of IDU and ODU | 49.2ft (15m) |
| Refrigerant Pre-charged Amount | 120.63oz (3420g) |
| Refrigerant Precharge Length | 24.6ft (7.5m)x4 |
| Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) | 0.16oz/ft (15g/m) |
| Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) | 0.32oz/ft(30g/m) |
| Connection Method | Flared |

Outdoor Unit Dimension



Installation Instruction



Meets all special requirements shown in Installation Clearance Requirements above.