

Submittal Data: UMAT48HP230V1AC 48,000 BTUH Ceiling Cassette Heat Pump System

Job Name _____ **Location** _____ **Date** _____

Purchaser _____ **Engineer** _____

Submitted To _____ **For** Reference Approval Construction

Unit Designation _____ **Schedule No.** _____

- GENERAL FEATURES**
- Multi-Speed Fan
 - 4-way Discharge Air
 - Internal Condensate Drain Pump
 - Wireless Remote Controllers
 - Power Failure Recovery
 - Sentry Condensate Overflow Protection
 - Decorative Grille (Part# UMAT48GRILLE -Sold Separately)
 - 5 yr. Limited Parts Warranty
 - 7 year Limited Compressor Warranty



System Ratings

Indoor Unit Data

| | | |
|-------------------------|--|---------------------|
| Cooling | | |
| Rated Capacity | | 48,000 BTU/H |
| Capacity Range | | 20,400-50,500 BTU/H |
| Power Input (Max) | | 5,700 W |
| SEER | | 16.0 |
| EER | | 8.7 |
| Heating at 47° F | | |
| Rated Capacity | | 54,500 BTU/H |
| Capacity Range | | 17,500-61,500 BTU/H |
| Power Input (Max) | | 5,400 W |
| HSPF | | 9.0 |
| COP | | 3.3 |
| Heating at 17° F | | |
| Rated Capacity | | 27,600 BTU/H |

| | | |
|---------------------------------------|---------------------------------|---------------------------|
| Fan Motor | Output Power | 1/7HP |
| | FLA | 1.5 A |
| Airflow | | |
| | Cooling Wet (Lo/Hi) | 900/1350 CFM |
| | Heating Dry (Lo/Hi) | 900/1350 CFM |
| Sound Pressure Level | | |
| | Cooling (Min/Max) | 41/53 db(A) |
| | Heating (Min/Max) | 41/53 db(A) |
| Dehumidification | | |
| | | 2.13 pt/hr |
| Condensate Drain Lift (Height) | | |
| | | 39-in |
| Power Supply | | |
| | Normal Operational Voltage | 208/230 V, 1 Phase, 60 Hz |
| | Voltage Range | 187 - 253 V |
| | Interconnecting Cable Wire Size | 18-2 AWG |
| | MCA | 2.0A |
| | MOCP/Breaker Size | 15A |

Operating Range

Outdoor Unit Data

| | | |
|---------|-------|--------------|
| Cooling | (Max) | 115°F (46 C) |
| | (Min) | 0°F (-18 C) |
| Heating | (Max) | 75°F (24 C) |
| | (Min) | 0°F (-18 C) |

| | | |
|-------------------------|---------------------------|-------------|
| Compressor | DC Inverter Driven Rotary | |
| Refrigerant Type | R410A | |
| Fan Motor | Output Power | 2 x 1/6HP |
| | FLA | 2 x 2.0 A |
| Sound Pressure | | |
| | Cooling/Heating | 59/59 db(A) |

Refrigerant Piping Data

Power Supply

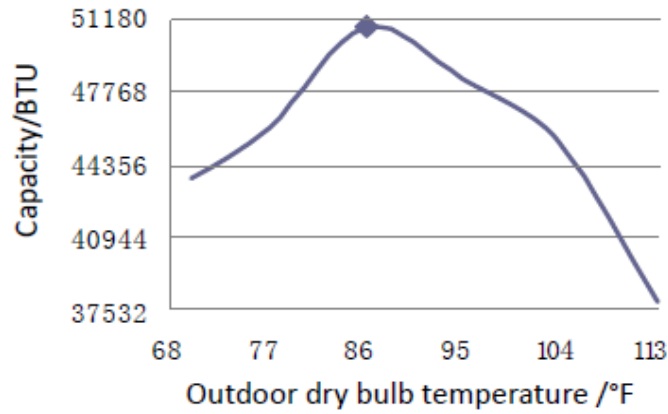
| | |
|--------------------------------|--------|
| Gas Pipe Size (OD) | 5/8-in |
| Liquid Pipe Size (OD) | 3/8-in |
| Connection Method | Flared |
| MAX Refrigerant Pipe Length | 164-ft |
| MIN Refrigerant Pipe Length | 10-ft |
| MAX Refrigerant Pipe Elevation | 98-ft |

| | | |
|--|----------------------------|---------------------------|
| | Normal Operational Voltage | 208/230 V, 1 Phase, 60 Hz |
| | Voltage Range | 187 - 253 V |
| | MCA | 45.0A |
| | MOCP/Breaker Size | 70A |

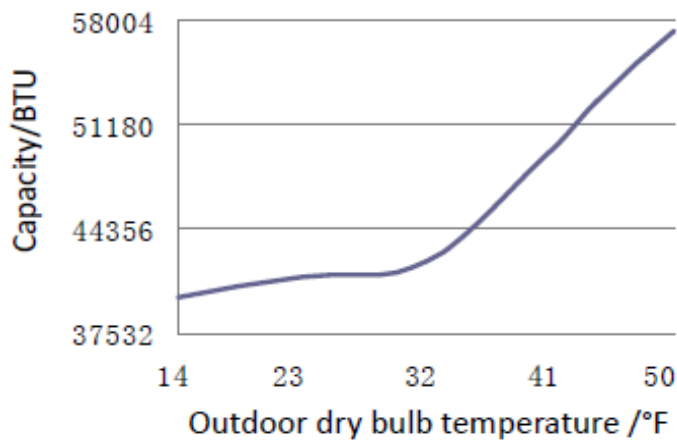


EXTENDED RATINGS

COOLING PERFORMANCE

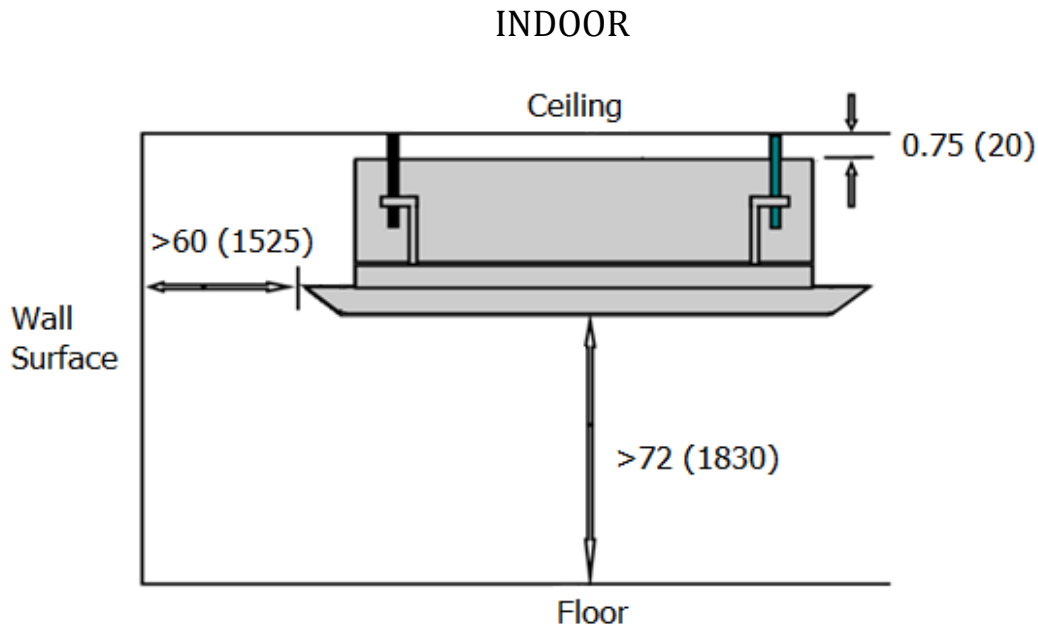


HEATING PERFORMANCE

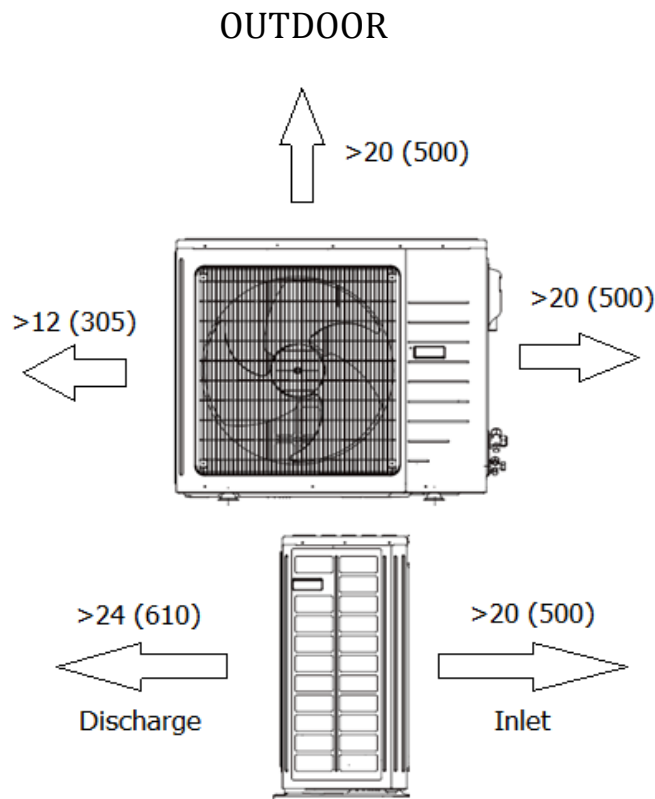


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)

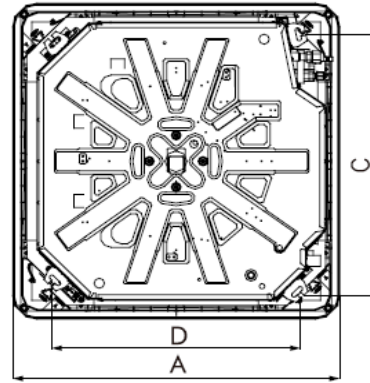
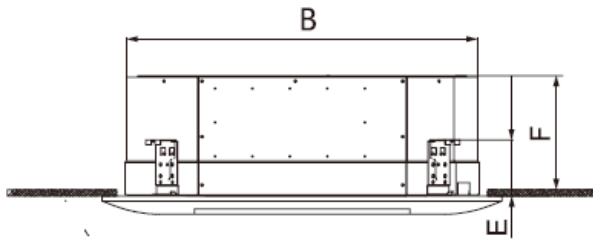


Units: inch (mm)



INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



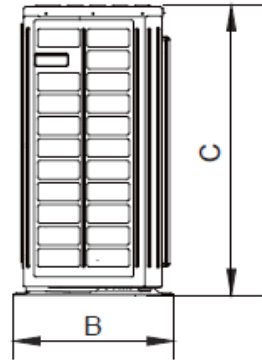
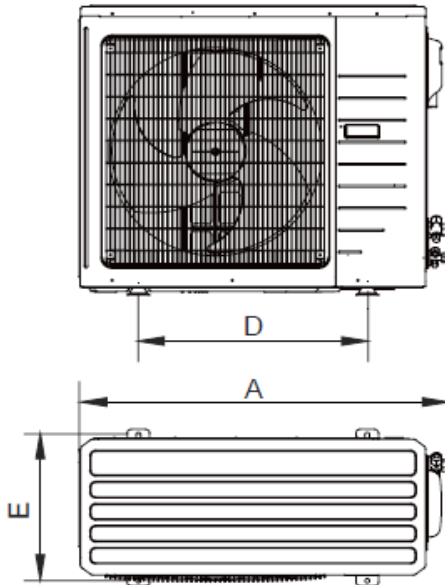
| A | B | C | D | E | F |
|------|--------|--------|------|------|--------|
| 41.0 | 37.875 | 33.125 | 31.0 | 6.75 | 11.375 |
| 1040 | 910 | 842 | 788 | 170 | 290 |

| | |
|-------------------|------------------|
| Liquid Line Valve | 3/8-in OD Flared |
| Gas Line Valve | 5/8-in OD Flared |
| Drain Connector | 1-in OD |

| | |
|-----------------|---------|
| Net Weight | 95 lbs |
| Shipping Weight | 110 lbs |

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



| | |
|---|---------------|
| A | 37.75 (958) |
| B | 16.25 (412) |
| C | 53.125 (1349) |
| D | 22.5 (572) |
| E | 14.75 (376) |

| | |
|-----------------|---------|
| Net Weight | 232 lbs |
| Shipping Weight | 254 lbs |

| | |
|-------------------|------------------|
| Liquid Line Valve | 3/8-in OD Flared |
| Gas Line Valve | 5/8-in OD Flared |

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.



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