

Submittal Data: TU48HTI 48,000 BTUH Floor/Ceiling 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
- Swing Louvers
- Wireless Remote Controllers
- Power Failure Recovery
- Wall or Ceiling Mount



System Ratings **Indoor Unit Data**

| | | |
|-------------------------|--|---------------------|
| Cooling | | |
| Rated Capacity | | 48,000 BTU/H |
| Capacity Range | | 20,400-50,500 BTU/H |
| Power Input (Max) | | 5,500 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 | | 3.5 |
| Heating at 17° F | | |
| Rated Capacity | | 28,600 BTU/H |

| | | |
|-----------------------------|---------------------------------|---------------------------|
| Fan Motor | Output Power | 1/3HP |
| | FLA | 2.1A |
| Airflow | | |
| | Cooling Wet (Lo/Hi) | 935/1350 CFM |
| | Heating Dry (Lo/Hi) | 935/1350 CFM |
| Sound Pressure Level | | |
| | Cooling (Min/Max) | 43/56 db(A) |
| | Heating (Min/Max) | 43/56 db(A) |
| Dehumidication | | |
| | | 1.99 pt/hr |
| 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 | 3.0A |
| | MOCP/Breaker Size | 15A |

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

| | | |
|--------------------------------|--|--------|
| Refrigerant Piping Data | | |
| 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 |

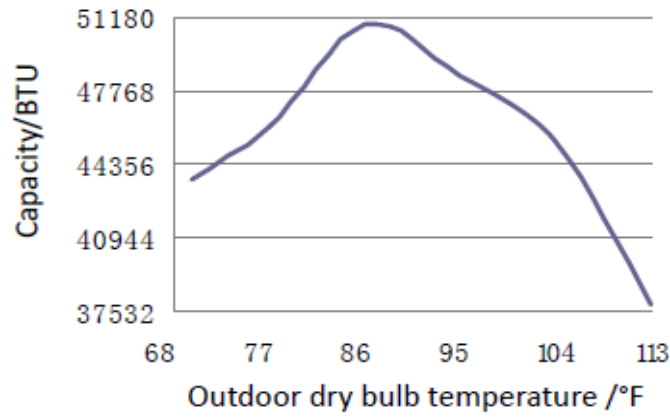
Outdoor Unit Data

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

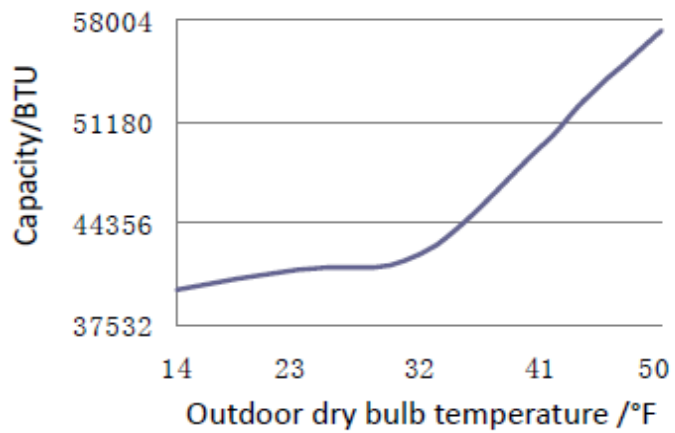


EXTENDED RATINGS

COOLING PERFORMANCE



HEATING PERFORMANCE

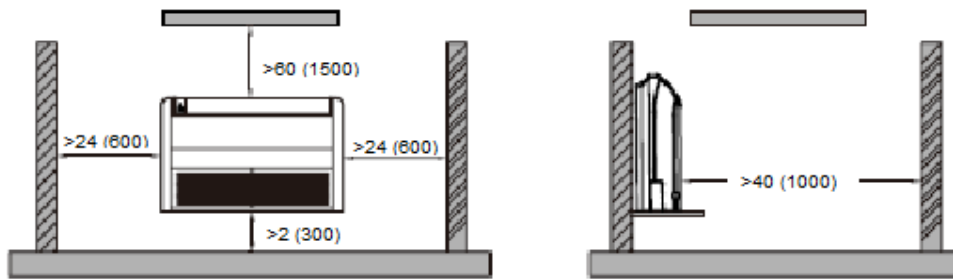


MINIMUM SPACING REQUIREMENTS

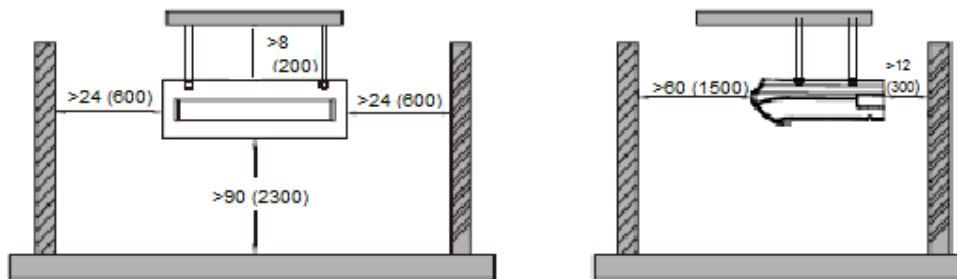
Units: inch (mm)

INDOOR

WALL MOUNTING

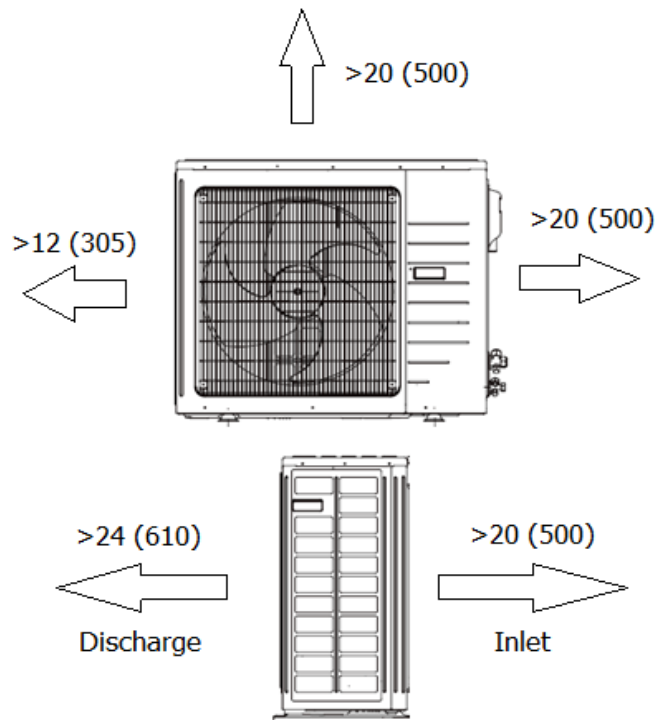


CEILING MOUNTING



Units: inch (mm)

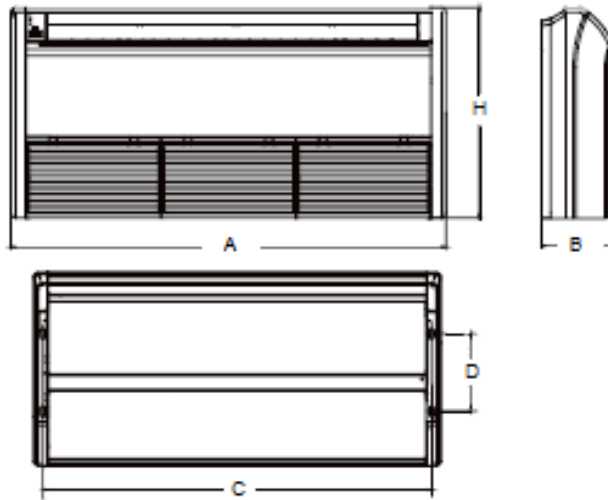
OUTDOOR



DIMENSIONAL SPECIFICATIONS TU48HTI

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



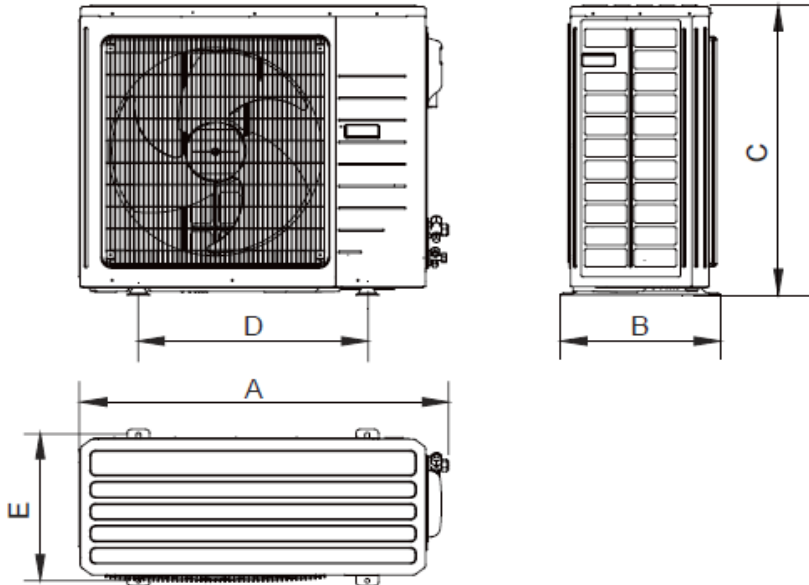
| | | |
|---|--------|--------|
| A | 66.875 | (1700) |
| B | 9.625 | (245) |
| C | 64.375 | (1634) |
| D | 11 | (280) |
| H | 27.5 | (700) |

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

| | |
|-----------------|---------|
| Net Weight | 130 lbs |
| Shipping Weight | 150 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) |

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

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

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.