

Light Commercial

General Features

- Compact Design
- Wide Discharge Range
- Microcomputer Control
- Easy Maintenance
- Flexible Installation
- Comfortable Airflow

TU18HTI/TU18H30



Unit Performance:

| | |
|---------------------------------|---------------------|
| <i>Cooling:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 5,400-17,100-19,800 |
| SEER | 17 |
| EER | 11 |
| <i>Heating:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 4,700-19,100-23,200 |
| HSPF | 9.5 |
| COP (W/W) | 3.61 |

Unit Specification

| | |
|----------------------------|----------|
| Refrigerant Type | R410A |
| Refrigerant Charge (oz) | 49.39 |
| ODU Sound Pressure (dB(A)) | 56 |
| IDU Sound Pressure (dB(A)) | 44/38/32 |
| ODU Net Weight (lbs) | 105.8 |
| IDU Net Weight (lbs) | 86 |
| Dehumidifying (Pint/h) | 1.6 |

Fan

| | |
|-----------------------------|------------------------|
| ODU / IDU Type | Axial-flow/Centrifugal |
| Quantity (ODU + IDU) | 1+4 |
| Motor/Drive | Direct Drive |
| ODU Max Air Flow Rate (CFM) | 1880 |
| IDU Air Flow Rate (CFM) | 585 |



Compressor

| | |
|---------------------------------------|-----------------|
| Cooling Operation Ambient temp. Range | 0~115 °F |
| Heating Operation Ambient temp. Range | 0~75 °F |
| Compressor Type | Inverter Rotary |
| Fan Motor Power Output (HP) | 1/6 x 1 |
| Crankcase Heater | Yes |

Electrical Specification

| | |
|-------------------------------------|-----------------|
| Power Supply | 208-230V / 60Hz |
| Communications Wire Size(ODU/IDU) | AWG 10/17 |
| MOP (A) | 25 |
| MCA (A) | 17 |
| Cooling Rated Amps (A) | 12.79 |
| Heating Rated Amps (A) | 12.28 |
| Compressor RLA (A) | 12 |
| Indoor Fan Motor Full Load Amp (A) | 0.6 |
| Outdoor Fan Motor Full Load Amp (A) | 1.5 |
| Nominal Cooling Power Input (kW) | 1.55 |
| Nominal Heating Power Input (kW) | 1.65 |

Piping

| | |
|---|------|
| Liquid Line (in, OD) | 1/4 |
| Gas Line (in, OD) | 1/2 |
| Additional Refrigerant (oz./ft.) | 0.3 |
| Max Pipe Length (ft.) | 65.6 |
| Piping Length (no add'l refrigerant, ft.) | 25 |
| Max Elevation (ft.) | 49.2 |

AHRI Certification Ref #

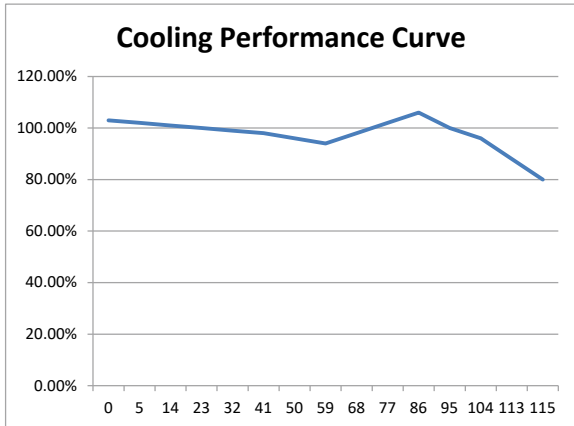
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Date:

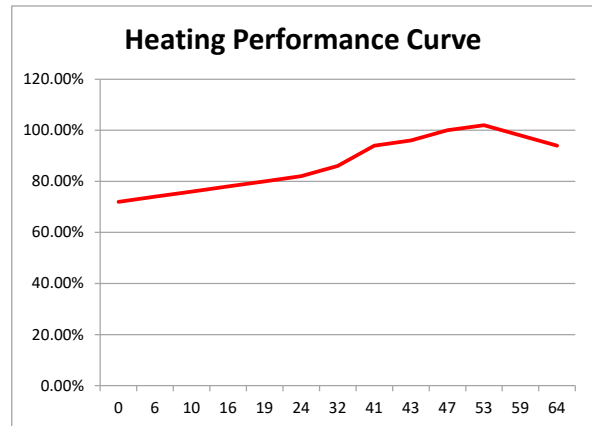
System Reference No.:

Engineer Signature:

Cooling Performance F / %

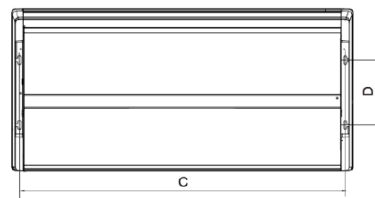
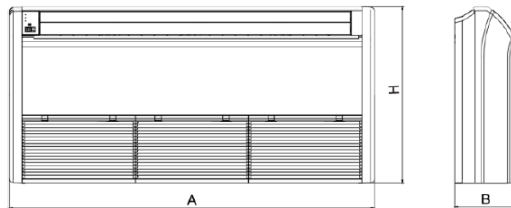


Heating Performance F / %



Outline Dimension Diagram

| | mm | (inch) |
|---|------|----------|
| A | 1220 | (48) |
| B | 225 | (8-7/8) |
| C | 1158 | (45-5/8) |
| D | 280 | (11) |
| H | 700 | (27-1/2) |



| | | |
|---|-----|----------|
| A | 955 | (37-5/8) |
| B | 396 | (15-5/8) |
| C | 700 | (27-1/2) |
| D | 560 | (22) |
| E | 360 | (14-1/8) |

