

Light Commercial

MODEL: TU36HF1/TU36H30

TOSOT

Job Name:

Engineer Name:

System No:

- File Resubmit
 Approval Other

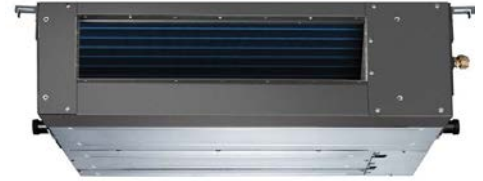
Location:

Contractor:

Date:

General Features

- Powerful Drain Pump Lift
- Adjustable Fan Speed
- Highly Flexible Installation
- Microcomputer Control
- Water condensate Pump
- High external static pressure
- Wired Controller
- Wireless+Receiver Board are Optional



Unit Performance:

| | |
|---------------------------------|----------------------|
| <i>Cooling:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 10,800-34,000-39,000 |
| SEER | 16 |
| EER | 10.35 |
| <i>Heating:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 9,800-41,000-49,500 |
| HSPF | 9 |
| COP (W/W) | 3.2 |

Unit Specification

| | |
|----------------------------|----------|
| Refrigerant Type | R410A |
| Refrigerant Charge (oz) | 123.48 |
| ODU Sound Pressure (dB(A)) | 63 |
| IDU Sound Pressure (dB(A)) | 53/48/44 |
| ODU Net Weight (lbs) | 205.1 |
| IDU Net Weight (lbs) | 101.4 |
| Dehumidifying (Pint/h) | 2.7 |

Fan

| | |
|-----------------------------|------------------------|
| ODU / IDU Type | Axial-flow/Centrifugal |
| Quantity (ODU + IDU) | 1+2 |
| Motor/Drive | Direct Drive |
| ODU Max Air Flow Rate (CFM) | 3000 |
| IDU Air Flow Rate (CFM) | 1175 |
| ESP Range (InWg) | 0-0.4 |

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 2 |
| Crankcase Heater | Yes |

Electrical Specification

| | |
|-------------------------------------|-----------------|
| Power Supply | 208-230V / 60Hz |
| Communications Wire Size(ODU/IDU) | AWG 10/17 |
| MOP (A) | 45 |
| MCA (A) | 29 |
| Cooling Rated Amps (A) | 23.79 |
| Heating Rated Amps (A) | 24.3 |
| Compressor RLA (A) | 21.2 |
| Indoor Fan Motor Full Load Amp (A) | 2.1 |
| Outdoor Fan Motor Full Load Amp (A) | 2 |
| Nominal Cooling Power Input (kW) | 3.28 |
| Nominal Heating Power Input (kW) | 3.75 |

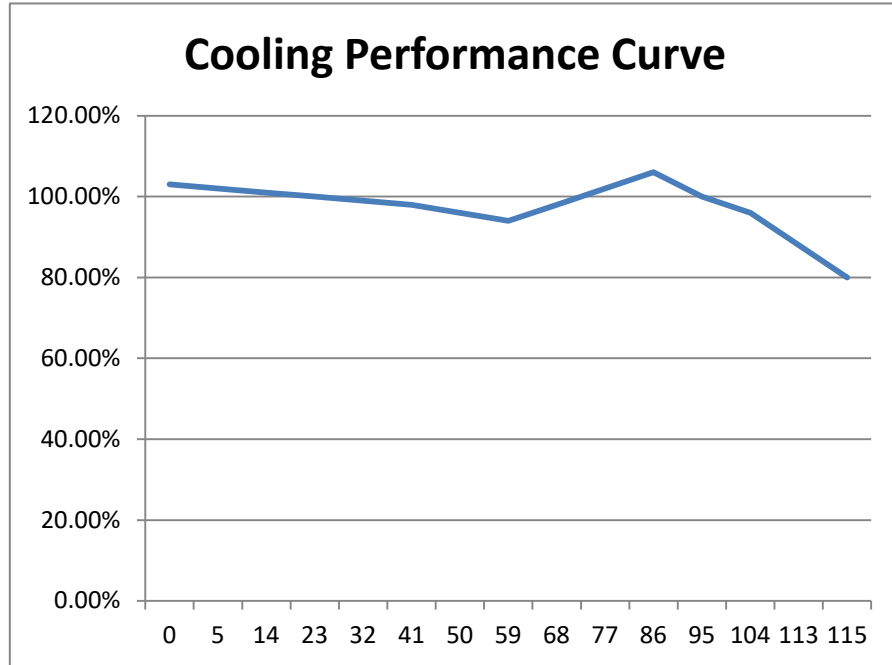
Piping

| | |
|---|------|
| Liquid Line (in, OD) | 3/8 |
| Gas Line (in, OD) | 5/8 |
| Additional Refrigerant (oz./ft.) | 0.6 |
| Max Pipe Length (ft.) | 98.4 |
| Piping Length (no add'l refrigerant, ft.) | 25 |
| Max Elevation (ft.) | 49.2 |

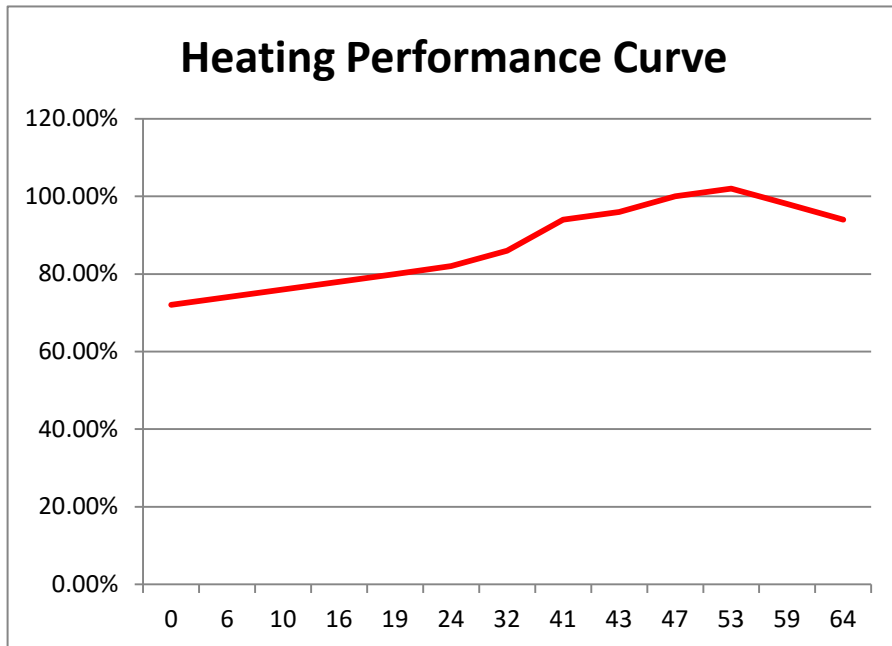
AHRI Certification Ref #



Cooling Performance F / %



Heating Performance F / %



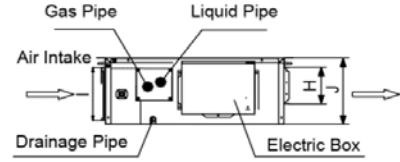
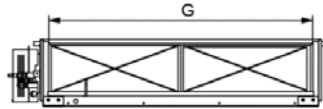
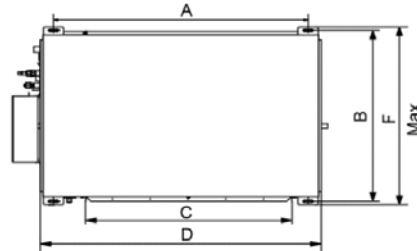
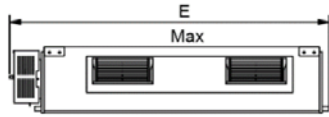
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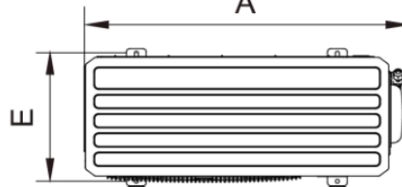
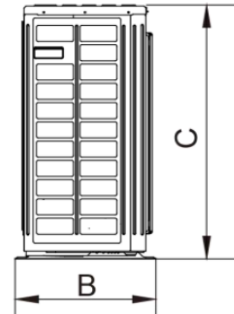
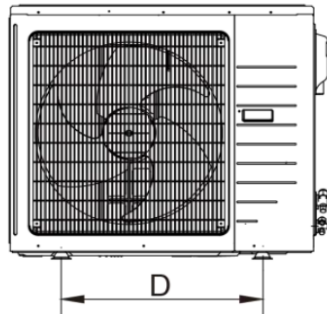
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Outline Dimension Diagram

| | mm | (inch) |
|---|------|----------|
| A | 1011 | (39-3/4) |
| B | 748 | (29-1/2) |
| C | 820 | (32-1/4) |
| D | 1115 | (43-7/8) |
| E | 1226 | (48-1/4) |
| F | 775 | (30-1/2) |
| G | 979 | (38-1/2) |
| H | 160 | (6-1/4) |
| I | 231 | (9-1/8) |
| J | 290 | (11-3/8) |



| | | |
|---|------|----------|
| A | 1107 | (43-5/8) |
| B | 440 | (17-3/8) |
| C | 1100 | (43-1/4) |
| D | 631 | (24-7/8) |
| E | 400 | (15-3/4) |



GLOSSARY

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

HSPF - Heating Seasonal Performance Factor

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

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