

Light Commercial

MODEL I/O: TU24HKI/TU24H30

TOSOT

Job Name:

Engineer Name:

System No:

- File Resubmit
 Approval Other

Location:

Contractor:

Date:

General Features

- High Ceiling Applications
- Comfortable Airflow
- Water Drainage Pump
- 3 Dimensional Blade for quiet operation
- Flexible Installation
- Easy Maintenance
- Microcomputer Control
- Wireless Controller, Optional wired Controller



Unit Performance:

| | |
|---------------------------------|---------------------|
| <i>Cooling:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 8,200-23,800-29,000 |
| SEER | 16 |
| EER | 10.65 |
| <i>Heating:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 8,200-27,200-32,400 |
| HSPF | 9 |
| COP (W/W) | 3.39 |

Unit Specification

| | |
|----------------------------|----------|
| Refrigerant Type | R410A |
| Refrigerant Charge (oz) | 77.62 |
| ODU Sound Pressure (dB(A)) | 57 |
| IDU Sound Pressure (dB(A)) | 47/42/38 |
| ODU Net Weight (lbs) | 152.1 |
| IDU Net Weight (lbs) | 59.5 |
| Dehumidifying (Pint/h) | 2.4 |

Fan

| | |
|-----------------------------|------------------------|
| ODU / IDU Type | Axial-flow/Centrifugal |
| Quantity (ODU + IDU) | 1+1 |
| Motor/Drive | Direct Drive |
| ODU Max Air Flow Rate (CFM) | 2350 |
| IDU Air Flow Rate (CFM) | 765 |

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) | 40 |
| MCA (A) | 24 |
| Cooling Rated Amps (A) | 19.44 |
| Heating Rated Amps (A) | 20.46 |
| Compressor RLA (A) | 18 |
| Indoor Fan Motor Full Load Amp (A) | 0.5 |
| Outdoor Fan Motor Full Load Amp (A) | 1.5 |
| Nominal Cooling Power Input (kW) | 2.23 |
| Nominal Heating Power Input (kW) | 2.36 |

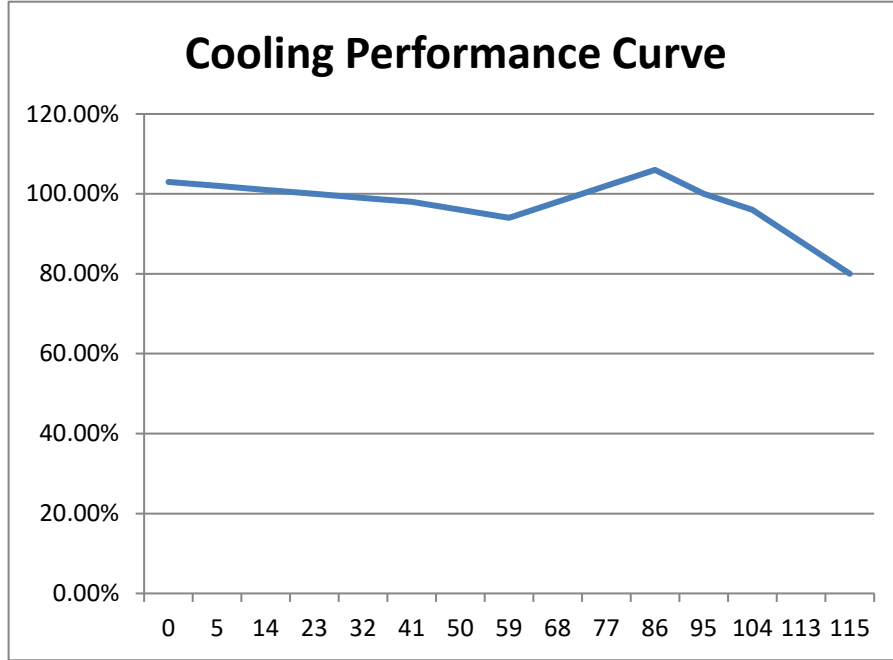
Piping

| | |
|---|------|
| 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 |

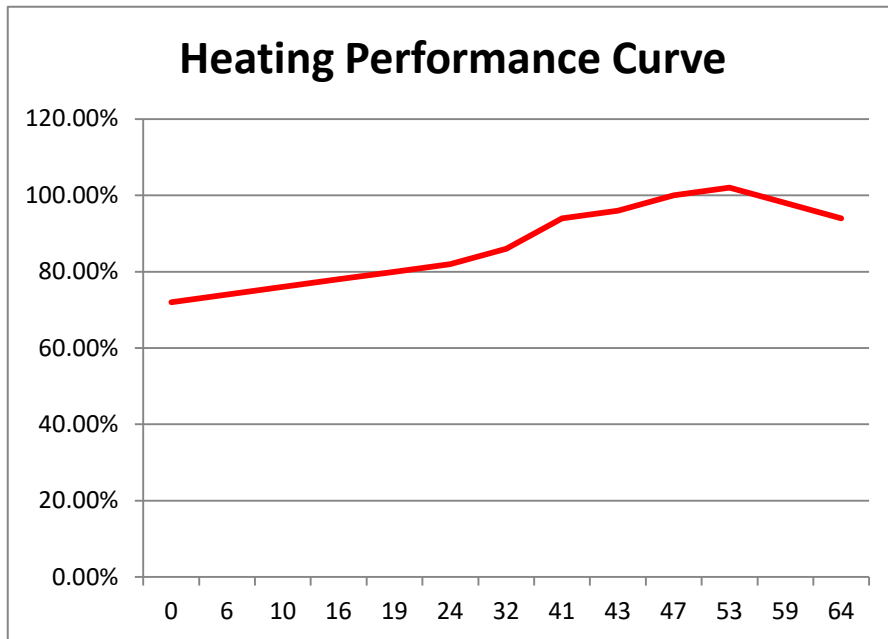
AHRI certification Ref #



Cooling Performance F / %



Heating Performance F / %



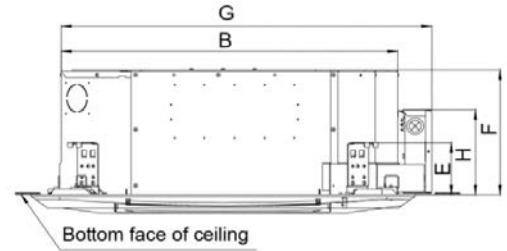
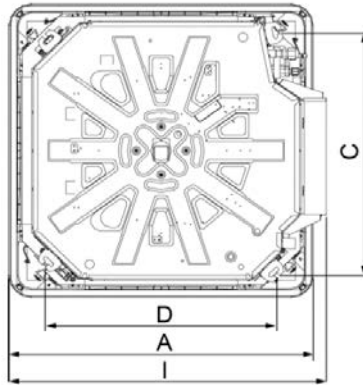
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MODEL I/O: TU24HKI/TU24H3O

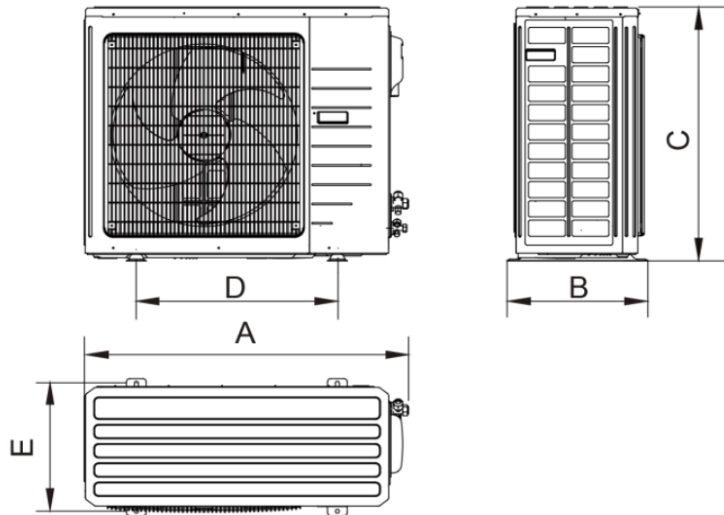
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Outline Dimension Diagram

| | mm | (inch) |
|---|-----|----------|
| A | 950 | (37-3/8) |
| B | 840 | (33-1/8) |
| C | 780 | (30-3/4) |
| D | 680 | (26-3/4) |
| E | 160 | (6-1/4) |
| F | 240 | (9-1/2) |
| G | 917 | (36-1/8) |
| H | 215 | (8-1/2) |
| I | 993 | (39-1/8) |



| | | |
|---|-----|----------|
| A | 980 | (38-5/8) |
| B | 427 | (16-3/4) |
| C | 790 | (31-1/8) |
| D | 610 | (24) |
| E | 395 | (15-1/2) |



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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