

**Light Commercial Cassette  
Series**

**TOSOT**

**MODEL: TU42HKI/TU42H3O**

Project Name:

Location:

Engineer Name:

Purchaser:

Unit Designation:

Schedule No.

Submitted To:

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:**

|                                 |                      |
|---------------------------------|----------------------|
| <b>Cooling:</b>                 |                      |
| Capacity (Min-Rated-Max, Btu/h) | 11,000-39,500-41,000 |
| SEER                            | 16                   |
| EER                             | 8.95                 |
| <b>Heating:</b>                 |                      |
| Capacity (Min-Rated-Max, Btu/h) | 12,000-44,000-51,000 |
| HSPF                            | 9                    |
| COP (W/W)                       | 2.92                 |

**Unit Specification**

|                            |          |
|----------------------------|----------|
| Refrigerant Type           | R410A    |
| Refrigerant Charge (oz)    | 130.54   |
| ODU Sound Pressure (dB(A)) | 61       |
| IDU Sound Pressure (dB(A)) | 51/46/43 |
| ODU Net Weight (lbs)       | 209.5    |
| IDU Net Weight (lbs)       | 70.6     |
| Dehumidifying (Pint/h)     | 3.69     |

**Fan**

|                             |                        |
|-----------------------------|------------------------|
| ODU / IDU Type              | Axial-flow/Centrifugal |
| Fan Motor Power Output (HP) | 1/6 x 2                |
| Motor/Drive                 | Direct Drive           |
| ODU Max Air Flow Rate (CFM) | 3880                   |
| IDU Air Flow Rate (CFM)     | 1095                   |

**Compressor**

|                                       |                 |
|---------------------------------------|-----------------|
| Cooling Operation Ambient temp. Range | 0~115 °F        |
| Heating Operation Ambient temp. Range | 0~75 °F         |
| Compressor Type                       | Inverter Rotary |
| Compressor RLA (A)                    | 21.2            |
| Crankcase Heater                      | Yes             |

**Electrical Specification**

|                                     |                 |
|-------------------------------------|-----------------|
| Power Supply                        | 208-230V / 60Hz |
| Communications Wire Size(ODU/IDU)   | AWG 10/17       |
| MOP (A)                             | 50              |
| MCA (A)                             | 31              |
| Cooling Rated Amps (A)              | 24.3            |
| Heating Rated Amps (A)              | 25.06           |
| Compressor RLA (A)                  | 21.2            |
| Indoor Fan Motor Full Load Amp (A)  | 0.9             |
| Outdoor Fan Motor Full Load Amp (A) | 2 x 2           |
| Nominal Cooling Power Input (kW)    | 4.4             |
| Nominal Heating Power Input (kW)    | 4.45            |

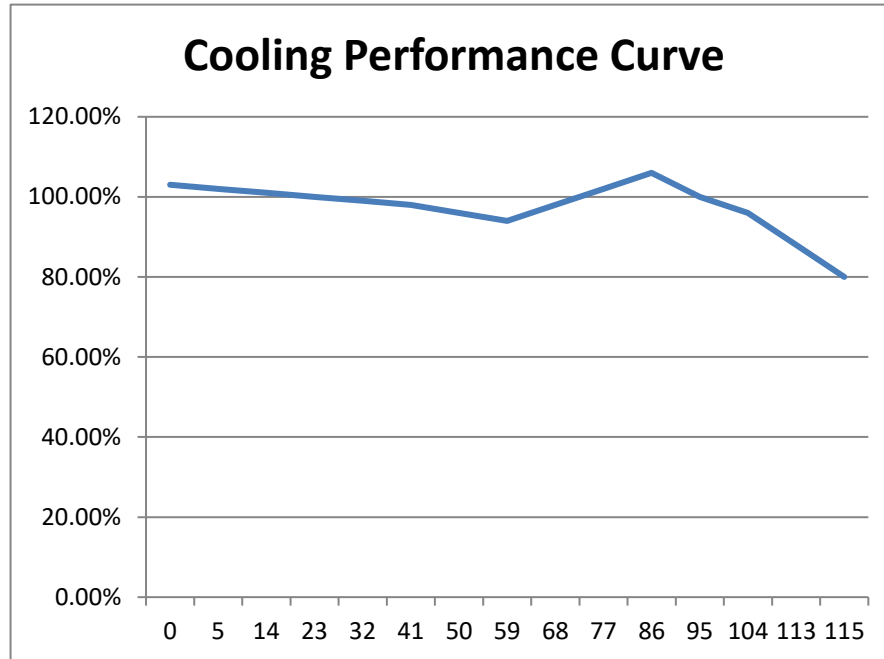
**Piping**

|                                           |      |
|-------------------------------------------|------|
| Liquid Line (in, OD)                      | 3/8  |
| Gas Line (in, OD)                         | 5/8  |
| Additional Refrigerant (oz./ft.)          | 0.6  |
| Max Pipe Length (ft.)                     | 164  |
| Piping Length (no add'l refrigerant, ft.) | 25   |
| Max Elevation (ft.)                       | 98.4 |

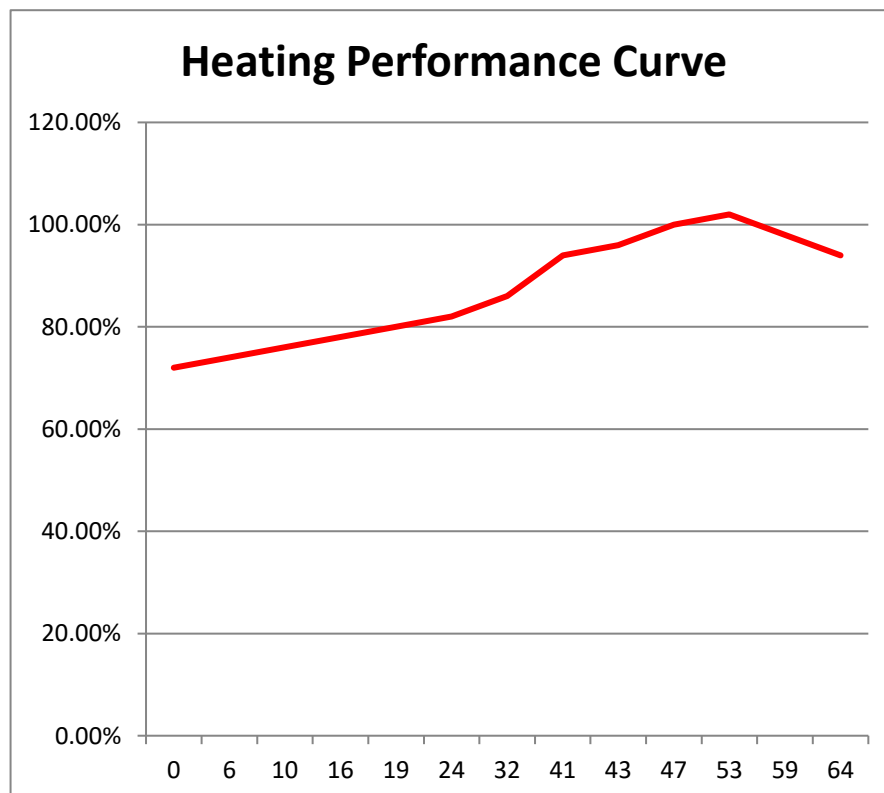
AHRI certification Ref #



Cooling Performance F / %



Heating Performance F / %



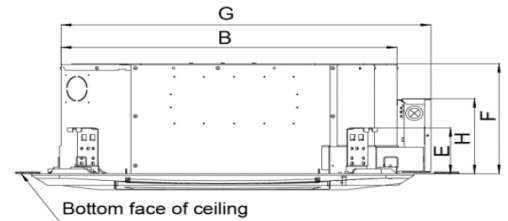
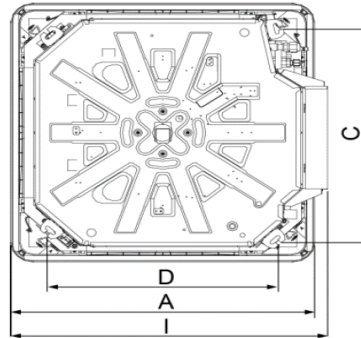
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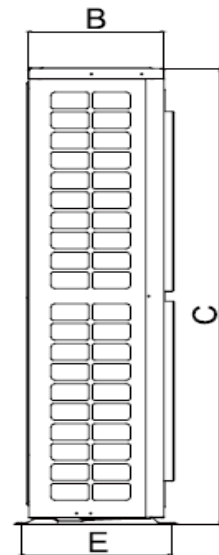
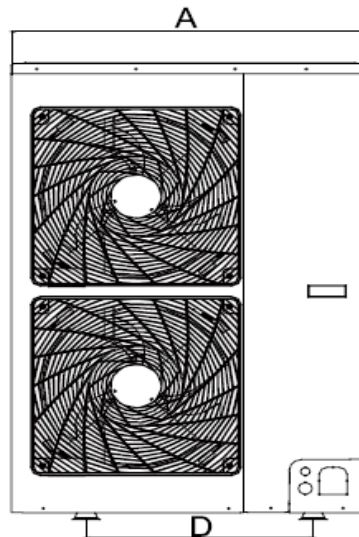
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**Outline Dimension Diagram**

|   | 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 | 320 | (12-5/8) |
| G | 917 | (36-1/8) |
| H | 215 | (8-1/2)  |
| I | 993 | (39-1/8) |



|   |      |          |
|---|------|----------|
| A | 958  | (37-3/4) |
| B | 412  | (16-1/4) |
| C | 1349 | (53-1/8) |
| D | 572  | (22-1/2) |
| E | 376  | (14-3/4) |



Approved By:

Signature

Date

**TOSOT**

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