

Light Commercial Floor-Ceiling Series

TOSOT

MODEL: TU42HTI/TU42H3O

Project Name:

Location:

Engineer Name:

Purchaser:

Unit Designation:

Schedule No.

Submitted To:

Date:



General Features

- Compact Design
- Wide Discharge Range
- Microcomputer Control

- Flexible Installation
- Comfortable Airflow
- Easy Maintenance

Unit Performance:

Cooling:

Capacity (Min-Rated-Max, Btu/h)	12,000-39,500-42,500
SEER	16
EER	9.75

Heating:

Capacity (Min-Rated-Max, Btu/h)	13,000-44,000-52,500
HSPF	9
COP (W/W)	3.21

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)	24.55
Heating Rated Amps (A)	24.81
Compressor RLA (A)	21.2
Indoor Fan Motor Full Load Amp (A)	2.1
Outdoor Fan Motor Full Load Amp (A)	2 x 2
Nominal Cooling Power Input (kW)	4.15
Nominal Heating Power Input (kW)	3.9

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	130.54
ODU Sound Pressure (dB(A))	61
IDU Sound Pressure (dB(A))	55/52/47
ODU Net Weight (lbs)	209.5
IDU Net Weight (lbs)	110.3
Dehumidifying (Pint/h)	3.4

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)	1115

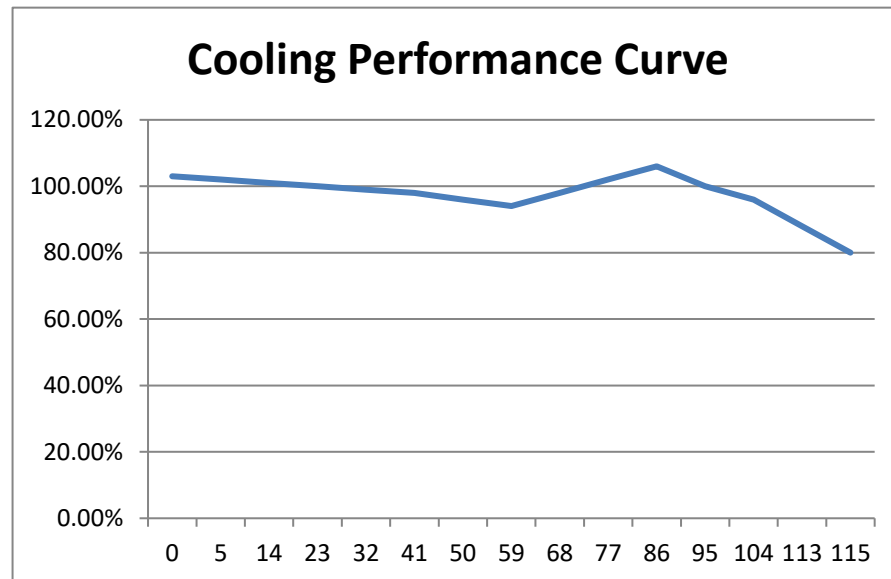
Piping

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 (with factory charge, ft.)	25
Max Elevation (ft.)	98.4

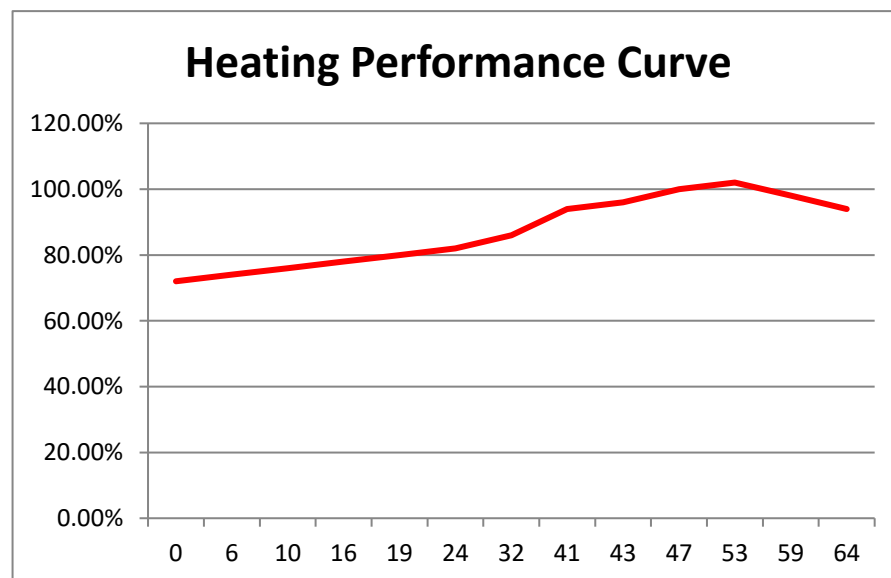
AHRI Certification Ref #



Cooling Performance F / %

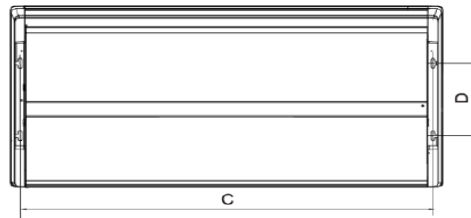
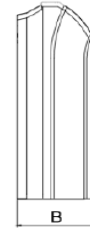
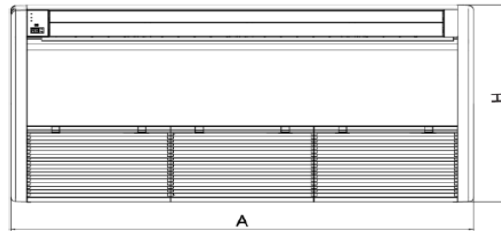


Heating Performance F / %

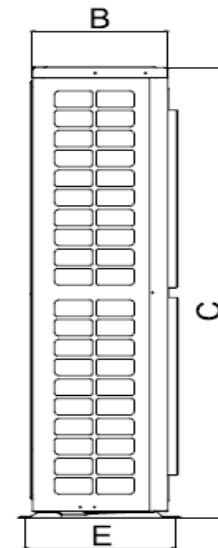
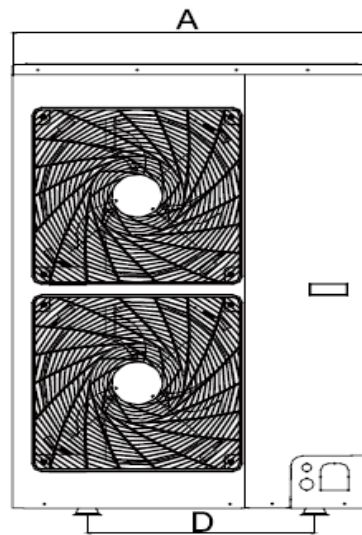


Outline Dimension Diagram

	mm	(inch)
A	1420	(55-7/8)
B	245	(9-5/8)
C	1354	(53-1/4)
D	280	(11)
H	700	(27-1/2)



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

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