

Light Commercial Duct Series**TOSOT****MODEL: TU42HFI/TU42H3O**

Project Name:

Engineer Name:

Unit Designation:

Submitted To:

Date:

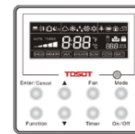
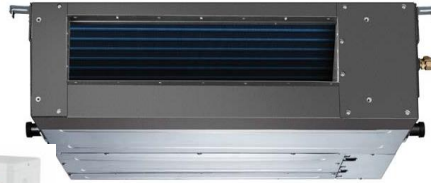
Location:

Purchaser:

Schedule No.

General Features

- Powerful Drain Pump Lift
- Adjustable Fan Speed
- Highly Flexible Installation
- Microcomputer Control



- Water condensate Pump
- High external static pressure
- Wired Controller

Unit Performance:**Cooling:**

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

SEER 16

EER 9.5

Heating:

Capacity (Min-Rated-Max, Btu/h) 13,000-44,000-52,500

HSPF 9

COP (W/W) 3.33

Unit Specification

Refrigerant Type R410A

Refrigerant Charge (oz) 130.54

ODU Sound Pressure (dB(A)) 61

IDU Sound Pressure (dB(A)) 53/48/44

ODU Net Weight (lbs) 209.5

IDU Net Weight (lbs) 101.4

Dehumidifying (Pint/h) 3

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) 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

Compressor RLA (A) 21.1

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) 21.1

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

Piping

Liquid Line (in, OD) 3/8

Gas Line (in, OD) 5/8

Additional Refrigerant (oz./ft.) 0.6

Max Pipe Length (ft.) 164

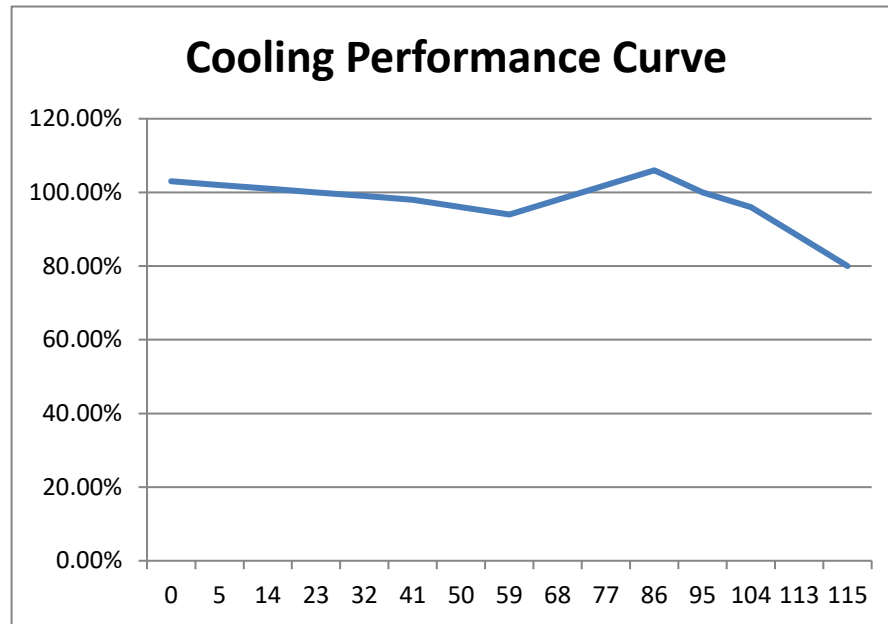
Piping Length (with factory charge, ft.) 25

Max Elevation (ft.) 98.4

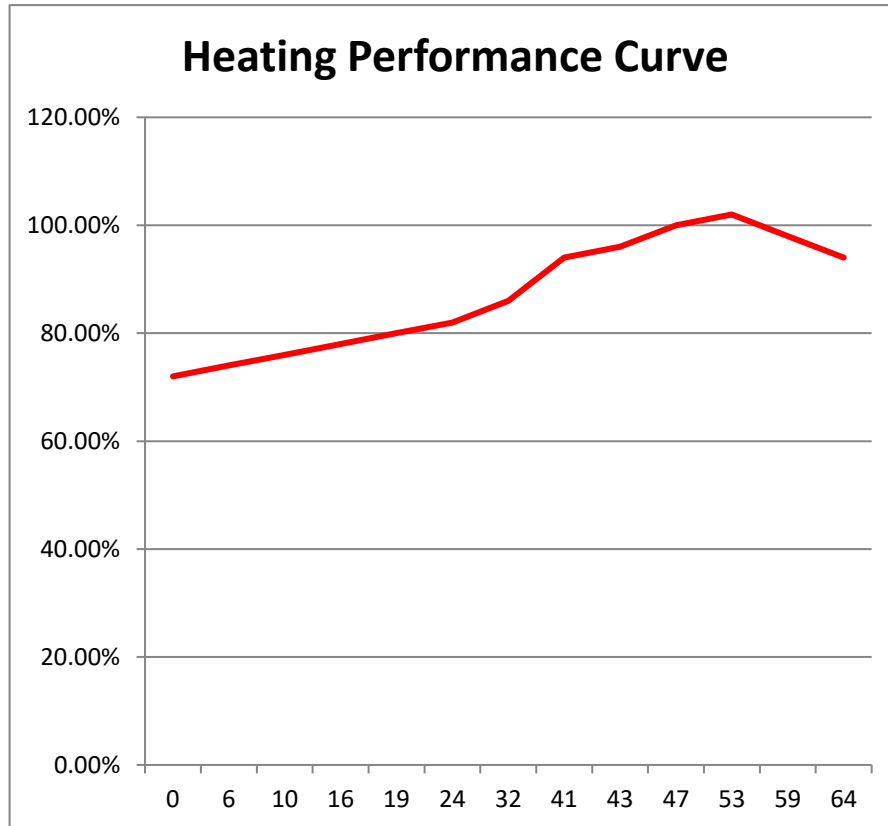
AHRI Certification Ref #



Cooling Performance F / %

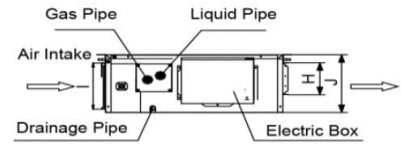
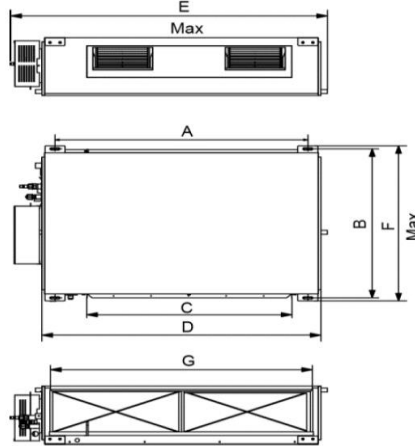


Heating Performance F / %

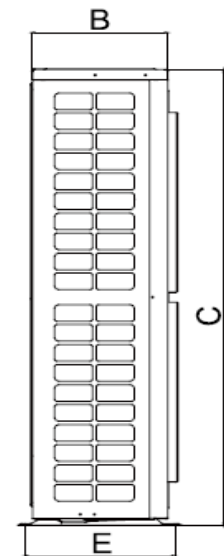
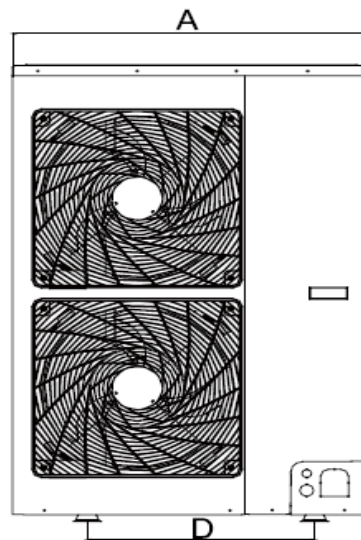


Outline Dimension Diagram

	mm	(inch)
A	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	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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