

Light Commercial

MODEL: TU48HF1/TU48H30

TOSOT

Job Name:

Engineer Name:

System No:

- File Resubmit
 Approval Other

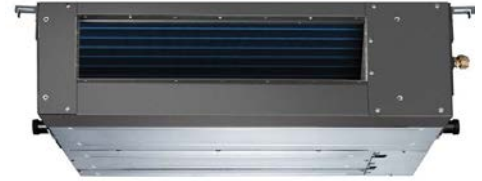
Location:

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)	20,400-48,000-49,500
SEER	16
EER	9.3
<i>Heating:</i>	
Capacity (Min-Rated-Max, Btu/h)	17,500-54,500-58,000
HSPF	9
COP (W/W)	3.11

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	141.12
ODU Sound Pressure (dB(A))	59
IDU Sound Pressure (dB(A))	55/49/45
ODU Net Weight (lbs)	231.5
IDU Net Weight (lbs)	123.5
Dehumidifying (Pint/h)	3.8

Fan

ODU / IDU Type	Axial-flow/Centrifugal
Quantity (ODU + IDU)	2+2
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	3880
IDU Air Flow Rate (CFM)	1470
ESP Range (InWg)	0-0.5

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)	70
MCA (A)	45
Cooling Rated Amps (A)	34.27
Heating Rated Amps (A)	34.27
Compressor RLA (A)	32.5
Indoor Fan Motor Full Load Amp (A)	4
Outdoor Fan Motor Full Load Amp (A)	2 x 2
Nominal Cooling Power Input (kW)	5.15
Nominal Heating Power Input (kW)	5.15

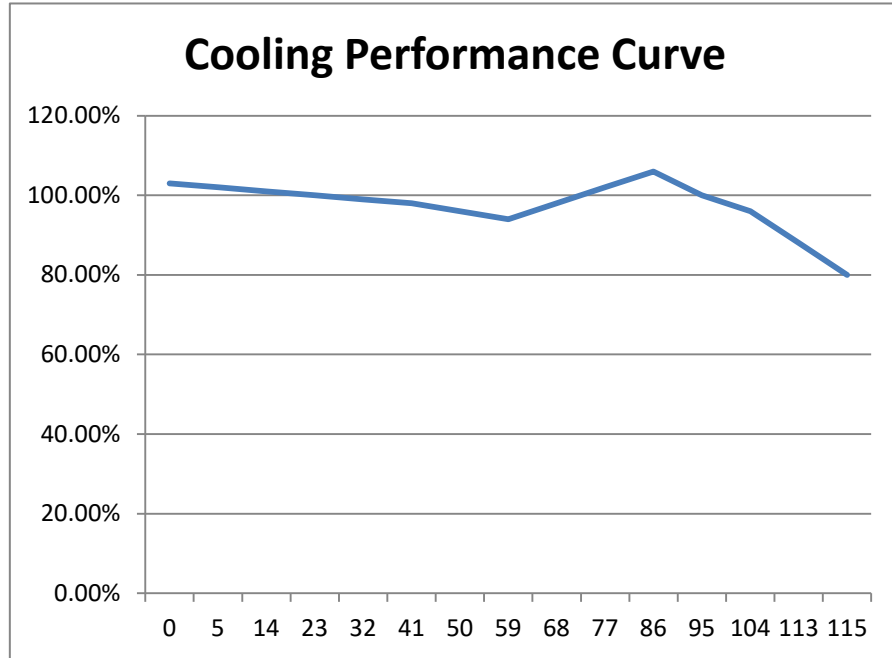
Piping

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

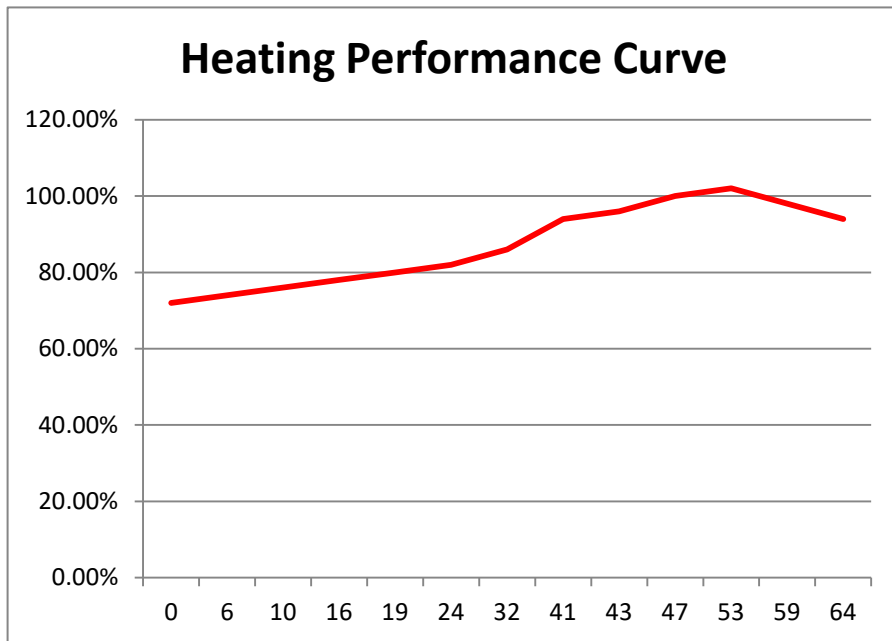
AHRI Certification Ref #



Cooling Performance F / %



Heating Performance F / %



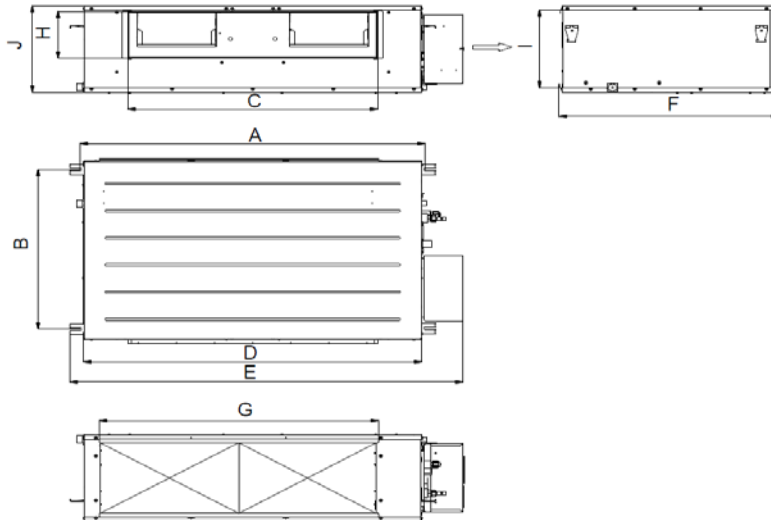
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MODEL: TU48HFI/TU48H30

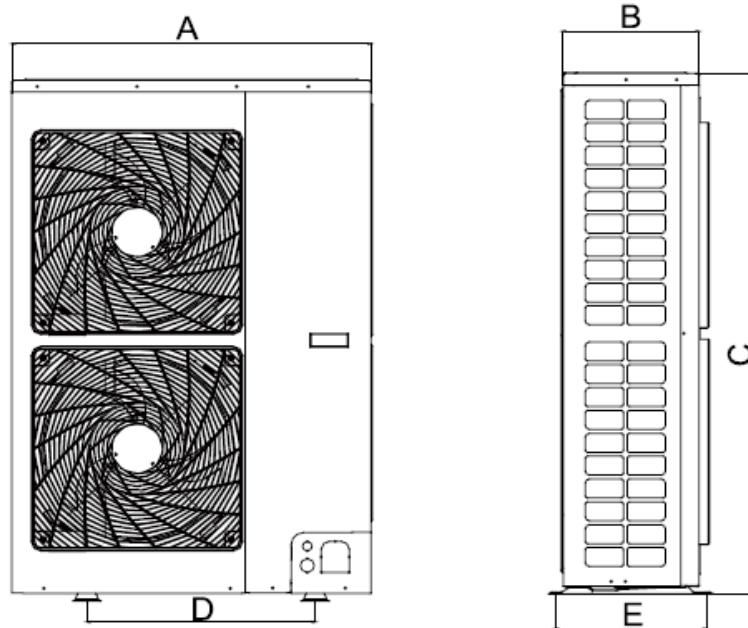
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Outline Dimension Diagram

	mm	(inch)
A	1177	(46-3/8)
B	646	(25-3/8)
C	852	(33-1/2)
D	1150	(45-1/4)
E	1340	(52-3/4)
F	750	(29-1/2)
G	953	(37-1/2)
H	190	(7-1/2)
I	316	(12-1/2)
J	350	(13-3/4)



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)



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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