

Single zone inverter mini split

MODEL: TW18HTA3D / TM18HFDI

TOSOT

Job Name:

Location:

Engineer Name:

File Resubmit

Contractor:

System No:

Approval Other

Date:

General Features

- 2 Thermistor control
- 24-Hour on/off Timer
- Auto operation
- Auto restart
- Chaos swing
- Control lock function
- Drain Pump
- Inverter
- High And Low Pressure Protection Features
- Load Protection Features
- Over-Current Protection
- Anti Freeze Protection



Unit Performance:

<i>Cooling:</i>	
Capacity (Min-Rated-Max, Btu/h)	4,600-18,000-22,180
SEER	21
EER	12
<i>Heating:</i>	
Capacity (Min-Rated-Max, Btu/h)	3,412-19,000-24,900
HSPF	10
COP (W/W)	3.5

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	56.4
ODU Sound Pressure (dB(A))	56
IDU Sound Pressure (dB(A))	41/37/33
ODU Net Weight (lbs)	108
IDU Net Weight (lbs)	59.5
Dehumidifying (Pint/h)	3.8

Fan

ODU / IDU Type	Axial-flow/Centrifugal
Quantity (ODU + IDU)	1+3
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	3200
IDU Air Flow Rate (CFM)	412/353/294

Compressor

Cooling Operation Ambient temp. Range	- 0.4~115 °F
Heating Operation Ambient temp. Range	-4~75.2 °F
Compressor Type	Rotary
Fan Motor Output (W)	60
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	20
MCA (A)	15
Cooling Rated Amps (A)	13.1
Heating Rated Amps (A)	13.3
Compressor RLA (A)	7.2
Indoor Fan Motor RLA (A)	0.43
Outdoor Fan Motor RLA (A)	0.5
Nominal Cooling Power Input (kW)	1.5
Nominal Heating Power Input (kW)	1.58

Piping

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	5/8
Additional Refrigerant (oz./ft.)	0.5
Max Pipe Length (ft.)	82
Piping Length (no add'l refrigerant, ft.)	24.6
Max Elevation (ft.)	32.8

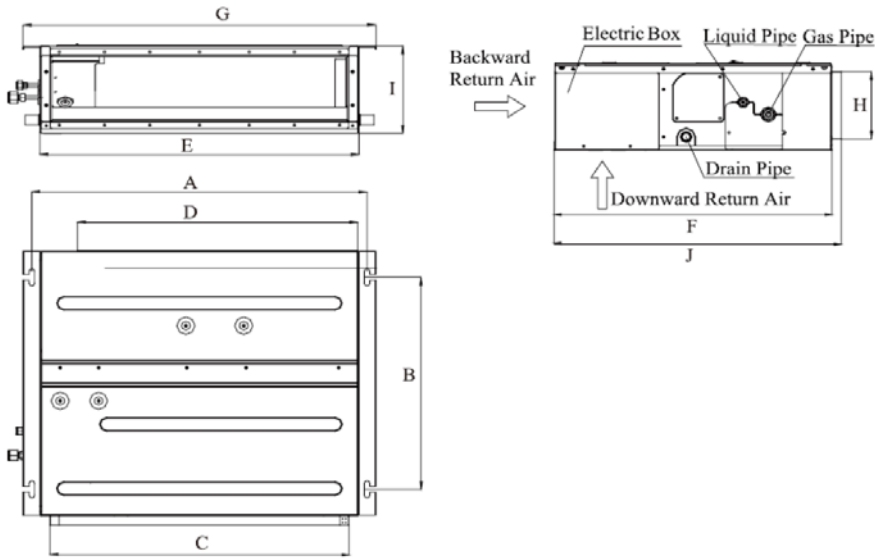


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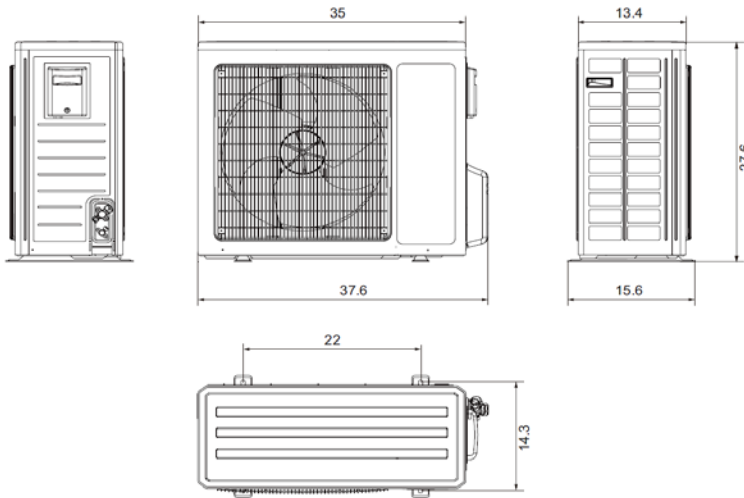
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Outline Dimension Diagram



	mm	Inch
A	942	37 3/32
B	491	19 21/64
C	862	33 15/16
D	820	32 9/32
E	900	35 7/16
F	615	24 7/32
G	982	38 21/32
H	156	6 9/64
I	200	4 7/8
J	635	25

18K



Unit: inch

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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