

Multi zone inverter mini split

MODEL: TM48H20

TOSOT

Job Name:

Location:

Engineer Name:

File  Resubmit

Contractor:

System No:

Approval  Other

Date:

**General Features**

- 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)	3,412-47,800-54,592
SEER	16
EER (Btu/h)/w	9.56
<i>Heating:</i>	
Capacity (Min-Rated-Max, Btu/h)	4,094-54,600-59,368
HSPF	8.2
COP (W/W)	3.64

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**Piping**

Refrigerant Charge (lbs)	10.9
Liquid Line (in)	3/8 ) x 5
Gas Line (in)	5/8 ) x 5
Max Total Piping (ft)	442.9
Max ODU to IDU Piping (ft)	229.6
Total Piping Length (no add'l refrigerant, ft)	98
Max Elevation between ODU and IDU (ft)	98.4
Max Elevation between IDU and IDU (ft)	49.2

**Operating Range:**

Cooling (°F WB)	5~118.4 F
Heating (°F DB)	-5~75

**Unit Specification**

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (dB(A))	55
Net Weight (lbs)	255.2
Min. Number IDU	2
Max. Number IDU	8
Dehumidification (Pint/h)	N/A
Heat Exchanger Coating	BlueFin™

**Electrical Specification**

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14/4
MOP (A)	28
MCA (A)	30
Cooling Rated Amps (A)	22
Heating Rated Amps (A)	19
Compressor RLA (A)	23
Fan Motor FLA (A)	1
Nominal Cooling Power Input (kW)	5
Nominal Heating Power Input (kW)	4.4

**Compressor:**

Quantity	1
Type	Inverter Rotary
Oil/Type	RB68EP

**Fan**

Type	Axial-flow
Quantity	2
Motor/Drive	DC motor/built-in driver
Max Air Flow Rate (CFM)	3766

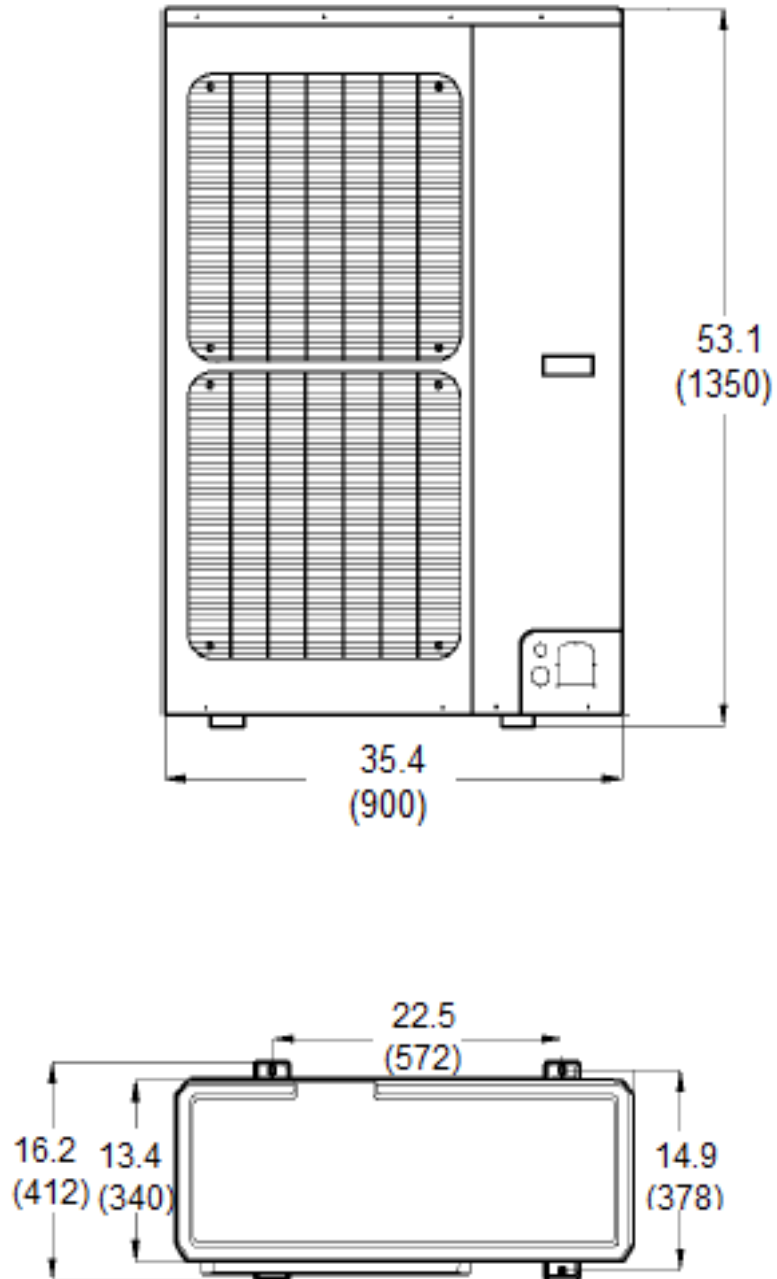


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**TQSDT**

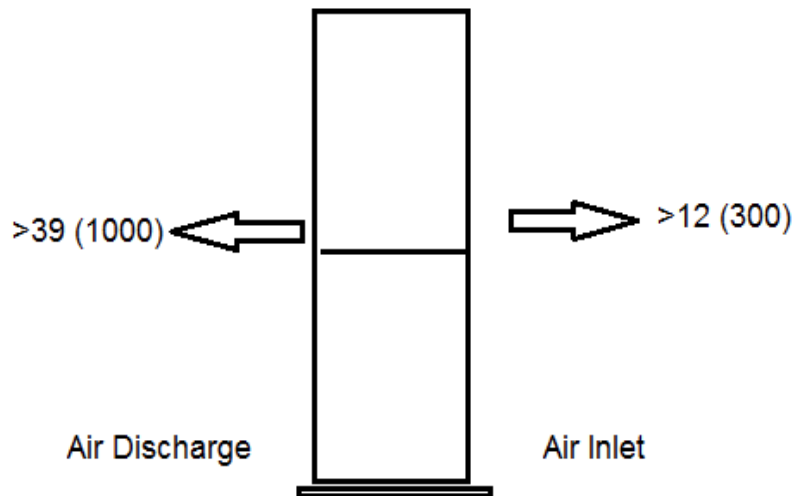
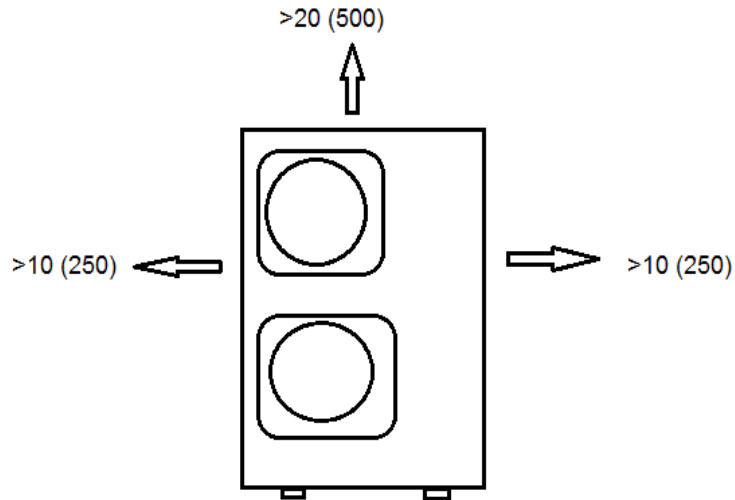
Outline Dimension Diagram



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**GLOSSARY**

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

HSPF - Heating Seasonal Performance Factor

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

**TOSOT**

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