

**APEX Heat Pump 48,000/60,000****TOSOT****TU60-48AADU  
TU60-48WADU**

Project Name:

Location:

Engineer Name:

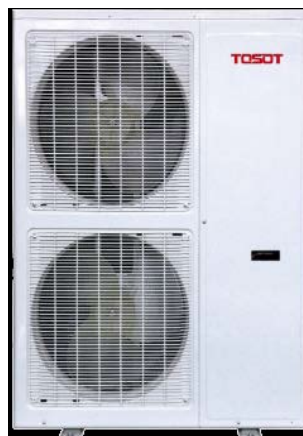
Purshaser:

Unit Designation:

Schedule No.

SubmittedTo:

Date:

**General Features**

- High And Low Pressure Protection Features
- Over Load Protection Features
- >50% Heating Capacity at -20C/-4F
- Stable Operation at -30C/-22F
- Built-In Drain Pan Heater
- Intelligent Defrost

- 24V Controls Compatibility
- Field Adjustable Capacity
- Universal Indoor Unit Compatibility

**Unit Performance:**

Cooling:	-	-
48K Capacity (Min~Rated~Max, Btu/h)	20,000-48,000-50,000	
60K Capacity (Min Rated Max, Btu/h)	25,000-57,000-60,000	
SEER	17.5-18*	
EER (Btu/h)/w	10-11*	
Heating:	-	-
24K Capacity (Min~Rated~Max, Btu/h)	20,000-48,000-50,000	
36K Capacity (Min Rated Max, Btu/h)	25,000-57,000-60,000	
HSPF	10*	
COP (W/W)	N/A	

**Piping**

Refrigerant Charge (ozs)	197
Liquid Line (in)	3/8
Gas Line (in)	3/4
Max Total Piping (ft)	100
Total Piping Length (with factory charge, ft)	25
Max Elevation between ODU and IDU (ft)	50

**Operating Range:**

Cooling (°F)	-5~125
Heating (°F)	-22~86

**Unit Specification**

Refrigerant Type	R410A
Refrigerant Control	EEV/TXV
Sound Pressure (dB(A))	58/60
Net Weight (lbs)	304
Heat Exchanger Coating	GoldFin™

**Electrical Specification**

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 18/4
MOP (A)	45
MCA (A)	39
Cooling Rated Amps (A)	19/25
Heating Rated Amps (A)	20/25
Control Voltage	24VAC

**Compressor:**

Quantity	1
Type	Inverter Rotary
Oil/Type	RB68EP

**Fan**

Type	Axial-flow
Quantity	1
Motor/Drive	DC motor/Direct drive



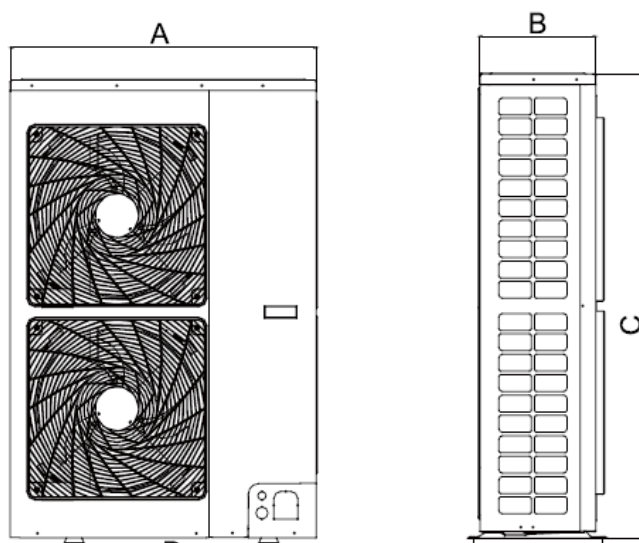
\*Efficiency ratings when paired with a tested, certified AHRI matched indoor unit.

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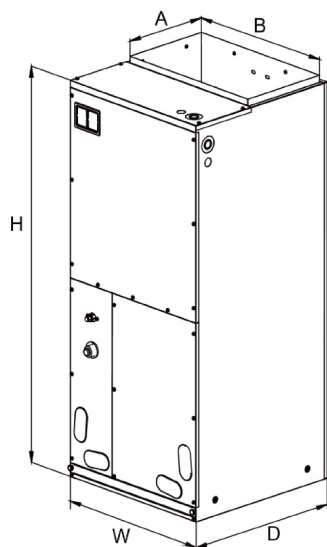
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## Outline Dimension Diagram



**Outdoor Unit**

	inch
<b>A</b>	37
<b>B</b>	12.6
<b>C</b>	56.3



**Indoor Unit**

<b>W</b>	<b>D</b>	<b>H</b>
24 7/8	21 1/4"	57"

**Supply Air Opening**

<b>A</b>	<b>B</b>
11 5/8"	20"

## 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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TU60-48WADU**



Air Handler		TU48-60AA-DU	TU60-48AA-DU
Cooling Capacity (btu/h)		48,000	57,000
Heating Capacity (btu/h)		48,000	57,000
Power Supply		208-230/1/60	208-230/1/60
Power Consumption (W)		500	600
Air Flow Volume (CFM)		1600	2200
MCA		5	5
ESP (in. W.G.)		0.5	0.5
Sound Pressure Level dB(A)		49	51
Liquid Pipe	In.	3/8	3/8
Gas Pipe	In.	3/4	3/4
Net Weight	lbs	179	179

**Optional electric auxiliary heaters available in 5kW, 10kW, 15kW and 20kW capacities. Specifications pending.**

Approved By:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**TOSOT**

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