

**APEX Heat Pump 24,000/36,000**

**TOSOT**

**TU36-24AADU  
TU36-24WADU**

Project Name:

Location:

Engineer Name:

Purshaser:

Unit Designation:

Schedule No.

SubmittedTo:

Date:

### **General Features**

- High And Low Pressure Protection Features
- Over Load Protection Features
- 80% 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:**

<b>Cooling:</b>	
24K Capacity (Min~Rated~Max, Btu/h)	8,000-24,000-30,000
36K Capacity (Min Rated Max, Btu/h)	10,000-36,000-40,000
SEER	18*
EER (Btu/h)/w	11*
<b>Heating:</b>	
24K Capacity (Min~Rated~Max, Btu/h)	8,000-24,000-30,000
36K Capacity (Min Rated Max, Btu/h)	10,000-36,000-40,000
HSPF	10*
COP (W/W)	N/A

### **Piping**

Refrigerant Charge (ozs)	123
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)	-5~118
Heating (°F)	-22~86

### **Unit Specification**

Refrigerant Type	R410A
Refrigerant Control	EEV/TXV
Sound Pressure (dB(A))	52/55
Net Weight (lbs)	209
Heat Exchanger Coating	GoldFin™

### **Electrical Specification**

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 18/4
MOP (A)	35
MCA (A)	26.5
Cooling Rated Amps (A)	10
Heating Rated Amps (A)	11
Control Voltage	24VAC

### **Compressor:**

Quantity	1
Type	Inverter Rotary
Oil/Type	RB68EP

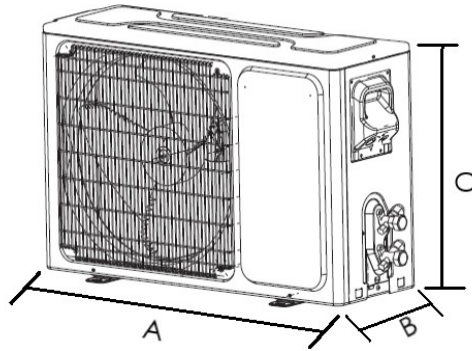
### **Fan**

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



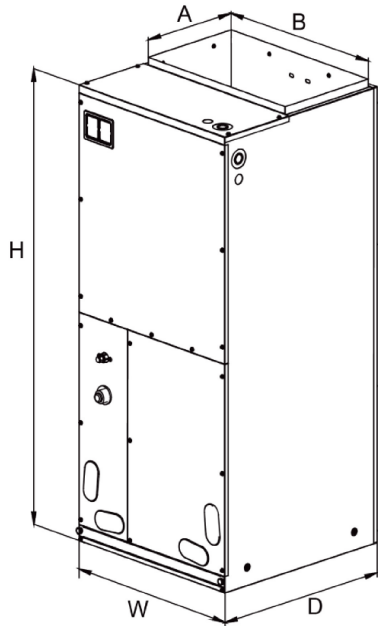
\*Efficiency ratings when paired with a tested, certified AHRI matched indoor unit.

**Outline Dimension Diagram**



**Outdoor Unit**

	inch
A	37
B	18
C	32.3



**Indoor Unit**

W	D	H
21 1/4"	21 1/4"	48 1/4"

**Supply Air Opening**

A	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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TU36-24WADU**



Air Handler		TU24-36AADU	TU36-24AADU
Cooling Capacity (btu/h)		24,000	36,000
Heating Capacity (btu/h)		24,000	36,000
Power Supply		208-230/1/60	208-230/1/60
Power Consumption (W)		250	350
Air Flow Volume (CFM)		941	1176
MCA		5	5
ESP (in. W.G.)		0.4	0.4
Sound Pressure Level dB(A)		45	47
Liquid Pipe	In.	3/8	3/8
Gas Pipe	In.	3/4	3/4
Net Weight	lbs	148	148

Optional electric auxiliary heaters available in 5kW and 10kW capacities. Specifications pending.

Approved By:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**TOSOT**

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