

APEX Heat Pump 36,000



**TU36-24WADU
TUD36-24AH2ADU**

Project Name:

Location:

Engineer Name:

Purchaser:

Unit Designation:

Schedule No.

Submitted To:

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:

Cooling:	
36K Capacity (Min Rated Max, Btu/h)	18,000-36,000-37,000
SEER*	18
EER (Btu/h)/w*	11
Heating:	
36K Capacity (Min Rated Max, Btu/h)	18,000-36,000-38,000
HSPF*	10
COP (W/W)*	3.5

Piping

Refrigerant Charge (ozs)	148
Liquid Line (in)	3/8
Gas Line (in)	3/4
Max Total Piping (ft)	100
Total Piping Length (with factory charge, ft)	31
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))	57
Net Weight (lbs)	217
Heat Exchanger Coating	BlueFin™

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 18/5
MOP (A)	35
MCA (A)	24
Cooling Rated Amps (A)	21
Heating Rated Amps (A)	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



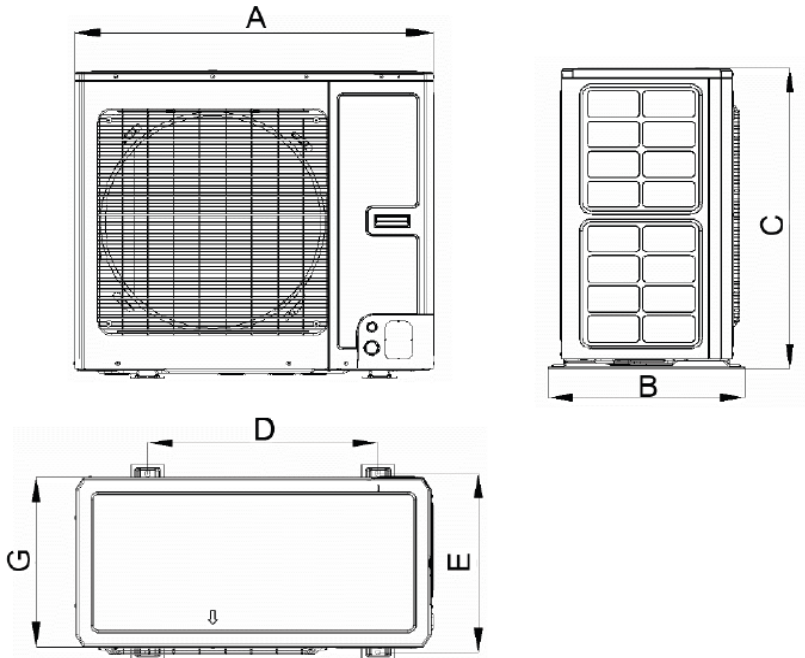
*Efficiency ratings when paired with a tested, certified AHRI matched indoor unit.

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TQSDT

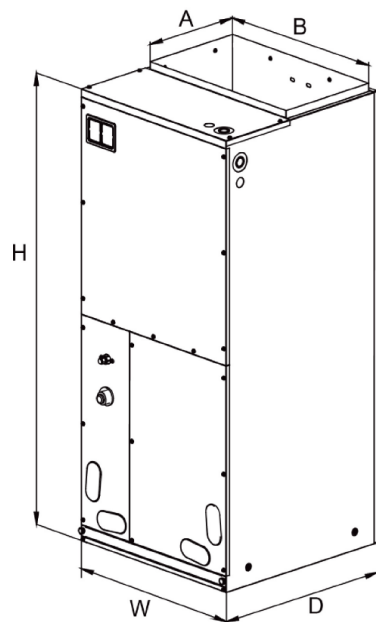
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Outline Dimension Diagram



Outdoor Unit

Dimensions	
A	37
B	20 1/8
C	32 1/4
D	24
E	19 1/8
G	18 1/8



Indoor Unit

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

Supply Air Opening

A	B
11 5/8"	20"

Filter Size

19 1/4" x 20 1/4" x 1"

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**TU36-24WADU
TUD36-24AH2ADU**



Air Handler		TUD36-24AH2ADU
Cooling Capacity (btu/h)		36,000
Heating Capacity (btu/h)		36,000
Power Supply		208-230/1/60
Power Consumption (W)		373
Air Flow Volume (CFM)		1,000
MOP*		15A
ESP (MAX, in. W.G.)		1.0
Sound Pressure Level dB(A)		47
Liquid Pipe	In.	3/8
Gas Pipe	In.	3/4
Net Weight	lbs	156

*MOP rating only for installations with no auxiliary heat

Static Pressure-In. W.C.		0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CFM	Speed 1	1150	1050	950	880								
	Speed 2	1200	1100	1000	940	850							
	Speed 3	1380	1260	1200	1100	950	760						
	Speed 4	1550	1460	1390	1310	1160	1010	830					
	Speed 5	1710	1650	1600	1560	1480	1400	1310	1210	1080	930		
	Speed 6	1840	1800	1750	1710	1640	1590	1500	1420	1330	1220	1100	960
	Speed 7	1870	1830	1810	1800	1760	1690	1620	1520	1440	1350	1250	1150
	Speed 8	1900	1860	1840	1830	1790	1720	1660	1600	1540	1440	1320	1220

Optional Electric Auxiliary Heaters (Breaker(s) Included)

	Heat Kit Model	KW	MCA	MOP	Min. CFM*
Available Sizes	HNRD8	8	40	45	505
	HNRD10	10	52	60	632
	HNRD15**	15	52 + 26	60 + 30	948

*Minimum CFM required to achieve 50F temperature rise. CFM MUST be field verified. Improper CFM may result in equipment damage and personal injury, and will void the equipment warranty.

**Additional jumper bar and control jumper required for 15KW heat kit in this air handler. SEE BULLETIN.

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