



TOSOT

SUBMITTAL DATA

Single Zone 29 Seer 18KBTU

Model: TWH18AVE29R32A1AI/ TWH18AVE29R32A1AO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



YBE1FB9F



TWH18AVE29R32A1AI



TWH18AVE29R32A1AO



XE71 (Optional)

GENERAL FEATURES:

- R32 Refrigerant
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wired Controller Options
- I Feel
- Wi-Fi Included
- Low Ambient Cooling down to -20°F (Up to 122°F)
- Low Ambient Heating down to -22°F (Up to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

Americo HVAC Supply LLC



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SPECIFICATIONS & FUNCTIONS:

Model		TWH18AVE29R32A1A
Power Supply	VAC / Phase / Hertz	208-230/1/60
Power Supply Mode	-	Outdoor
Cooling Capacity	Btu/h	18000
Heating Capacity	Btu/h	18595
Cooling Power Input	W	1256
Heating Power Input	W	1329
Rated Input	W	3500
Rated Current	A	16
EER	(Btu/h)/W	14.3
COP	(Btu/h)/W	14
SEER	SEER2	27.5
HSPF	HSPF2	9.7
Air Flow Volume(H-L)	CFM	736×589×524×212
Dehumidifying Volume	Pint/h	3.8
Application Area	sq ft	172-258

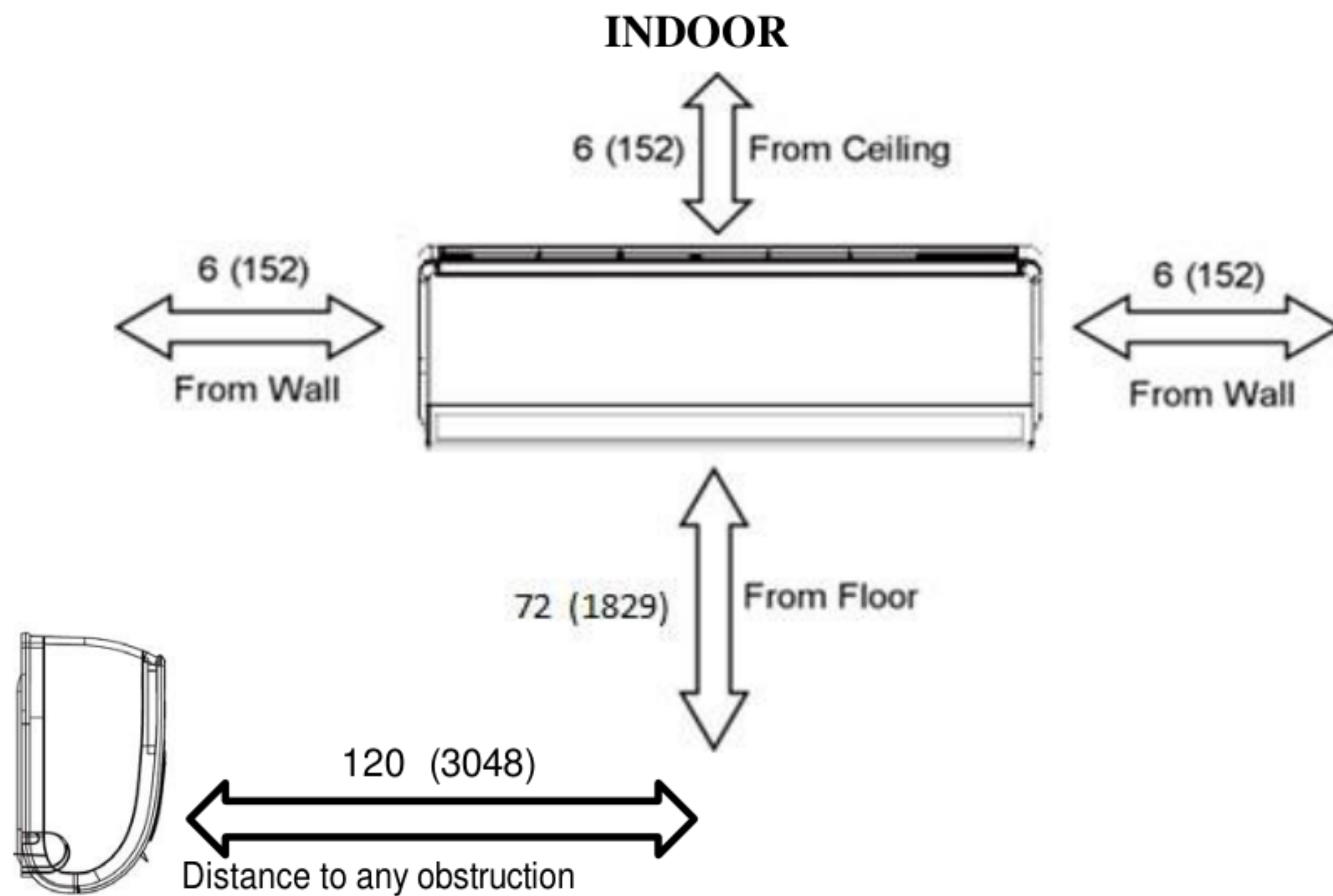
Indoor Unit Model		TWH18AVE29R32A1AI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	φ111.5×830
Cooling Speed	r/min	1250/1150/1100/ 1000/950/900/800
Heating Speed	r/min	1250/1200/1100/1050/ 1000/950/850
Fan Motor Power Output	W	60
Fan Motor RLA	A	0.7
Motor ratings	hp	0.08
Evaporator Form	-	Aluminum Fin-copper Tube
Evaporator Pipe Diameter	mm	φ7
Evaporator Row-fin Gap	mm	2-1.4
Evaporator Coil Length (L×D×W)	mm	840×25.4×381
Swing Motor Model	-	MP24HF/MP24AQ/MP35CV
Swing Motor Power Output	W	1.5/1.5/2.5
Fuse Current	A	3.15
Set Temperature Range	°F	Cooling:61-86; Heating:46-88
Sound Pressure Level Cooling mode	dB (A)	49/46/45/42/40/38/35
Sound Power Level Cooling mode	dB (A)	59/56/55/52/50/48/45
Sound Pressure Level Heating mode	dB (A)	47/46/43/42/40/39/36
Sound Power Level Heating mode	dB (A)	57/56/53/52/50/49/46
Dimension (W x H x D)	inch	43 45/64×13 42/64×10 8/64
Net Weight	lb	38.6
Gross Weight	lb	45.2

Outdoor Unit Model		TWH18AVE29R32A1AO
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXFS-A150zX170S
Compressor Oil	-	FW68DA or equivalent
Compressor Type	-	Rotary
Compressor RLA	A	14.3
Compressor Power Input	W	1358
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	φ520
Fan Motor Speed	rpm	800
Fan Motor Power Output	W	60
Motor ratings	hp	0.08
Fan Motor RLA	A	1.1
Air Flow Volume	CFM	1883
Condenser Form	-	-
Condenser Pipe Diameter	mm	φ7
Condenser Rows-fin Gap	mm	2-1.4
Condenser Coil Length (L×D×W)	mm	890×38.1×616
Permissible Excessive Operating Pressure for the Discharge Side	P.S.I.G.	624
Permissible Excessive Operating Pressure for the Suction Side	P.S.I.G.	363
Maximum Allowable Pressure	P.S.I.G.	710
Cooling Operation Ambient Temperature Range	°F	-20 ~ 122
Heating Operation Ambient Temperature Range	°F	-22~86
Metering Device	Electronic expansion valve	
Defrosting Method	Automatic Defrosting	
Sound Pressure Level (H)	dB (A)	59
Sound Power Level (H)	dB (A)	69
Dimension (WxHxD)	inch	37 46/64×25 63/64×15 53/64
Outdoor Unit Net Weight	lb	94.8
Outdoor Unit Gross Weight	lb	104.7
Refrigerant	--	R32
Factory Refrigerant Charge	oz	47.6
Connection Pipe Length	ft	24.6
Connection Pipe Gas Additional Charge	oz/ft.	0.4
Outer Diameter of Liquid Pipe	inch	1/4"
Outer Diameter of Gas Pipe	inch	5/8"
Max Distance Height	ft	82
Max Distance Length	ft	131

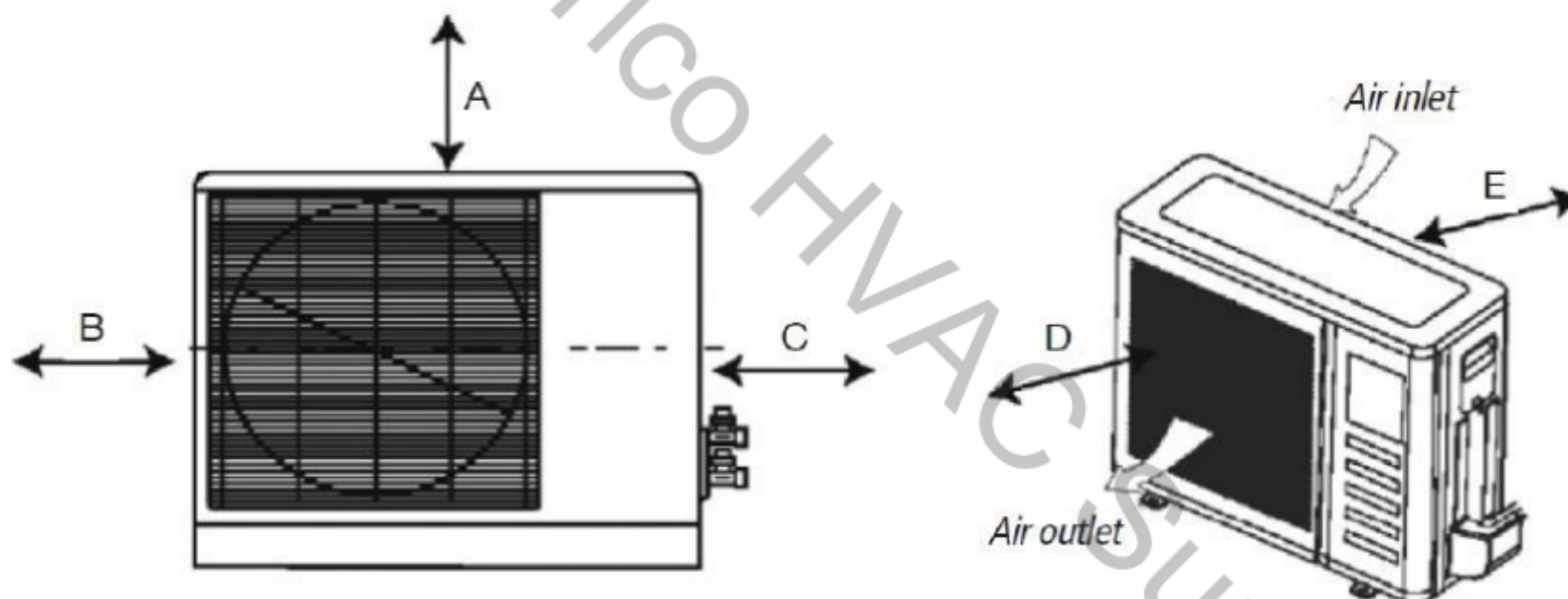
Functions				
Auto	Self-Diagnosis	Quiet	Energy Saving	Horizontal Auto Swing
Cooling	Lock	I Feel	8°C Heating Mode	Auto Fan
Heating	Filter Dirty Alarm	Intelligent Preheating	Turbo Cooling	Intelligent Defrosting
Dehumidify	Compressor Electric Heater Function	Ventilation	Low Ambient Cooling	Force Defrosting
WIFI	Chassis Electric Heater Function	Dry Anti-mildew Design	Low Ambient Heating	Timer Feature
Sleep Mode	LCD (Back Light)	Several Optional Filters	Low Voltage Startup	Memory
Vertical Auto Swing	LED	Auto Clean	Standby	Multi Speeds

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Minimum Outdoor Clearances



Outdoor Unit	Minimum Distances in (mm)
A	20 (500)
B	12 (305)
C	20 (500)
D	80 (2032)
E	12 (305)

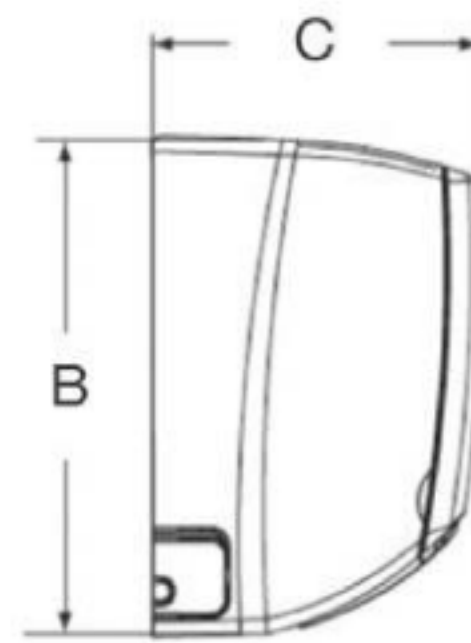
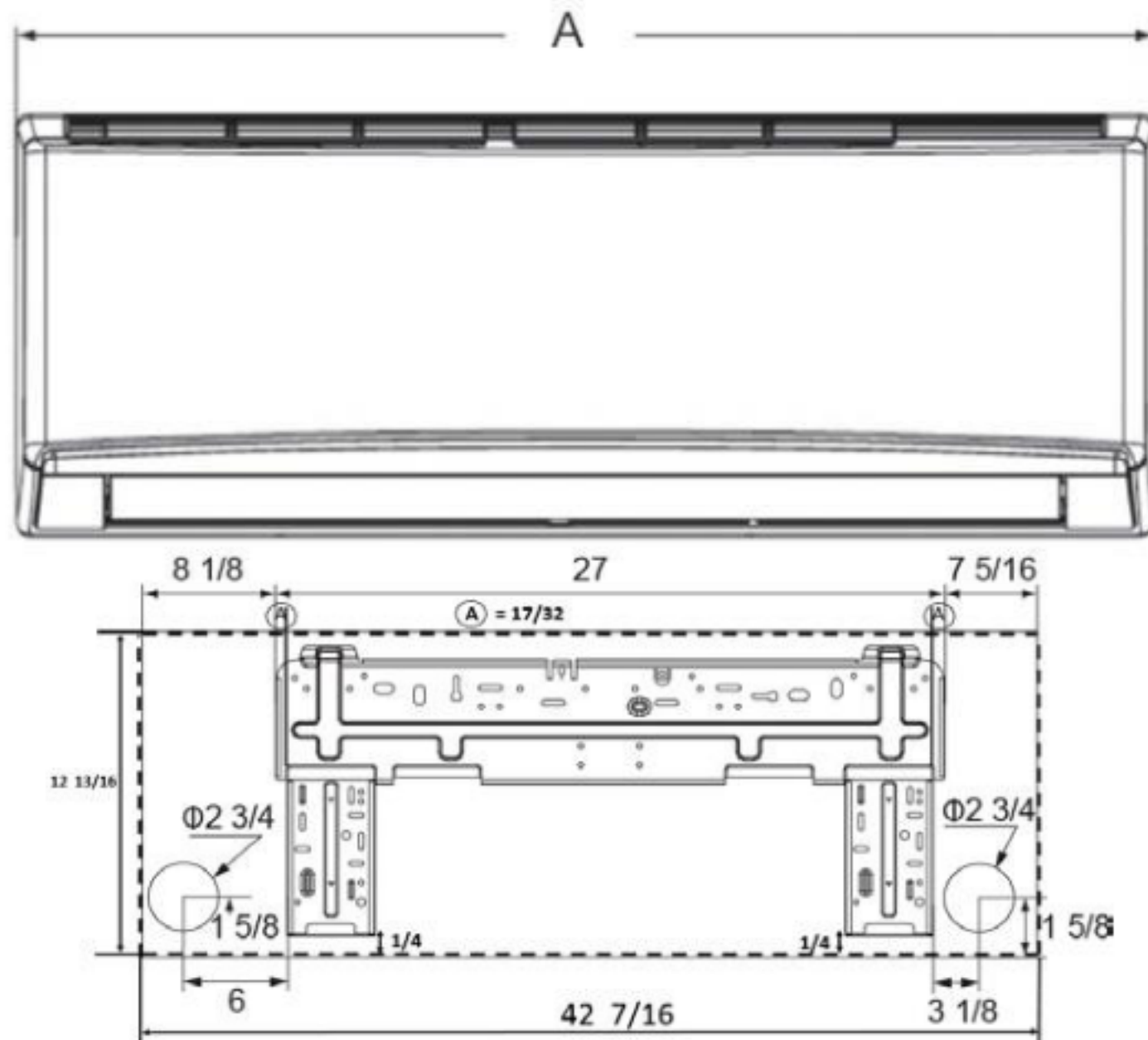
DIMENSIONAL SPECIFICATIONS

TWH18AVE29R32A1A

INDOOR UNIT DIMENSIONS

Units: inch

Model No: TWH18AVE29R32A1AI



Dimensions	
A	42.5
B	12.8
C	9.7

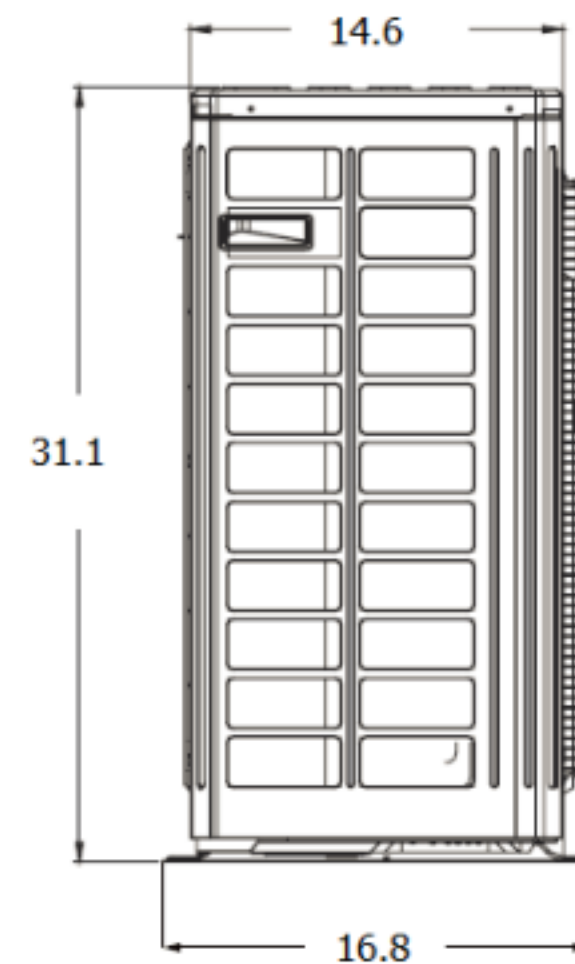
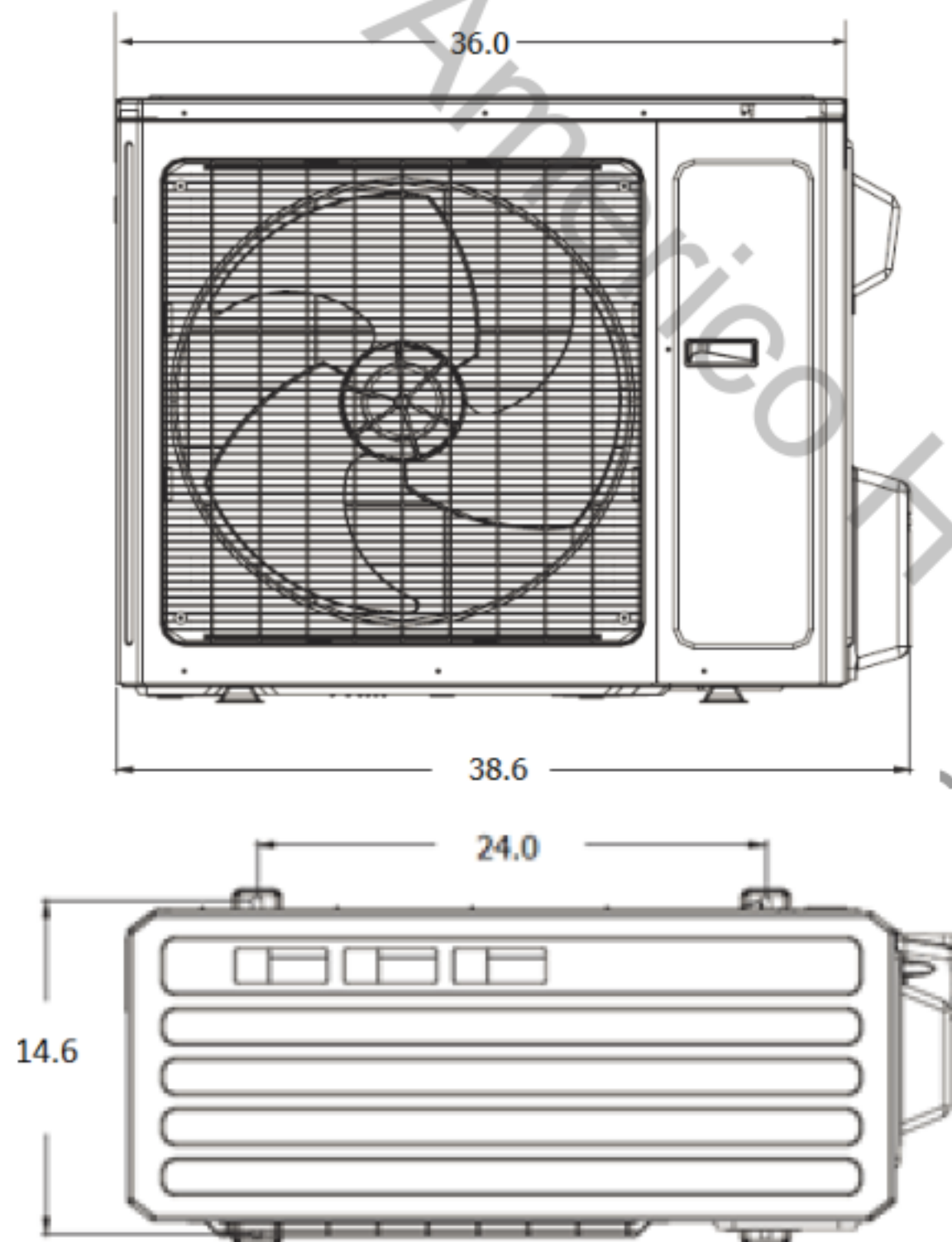
Weight (Net/Shipping) 36.4/44.1 LBS

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: TWH18AVE29R32A1AO



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared

Weight (Net/Shipping) 141.1/152.1 LBS

Notes

1. Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.