



TOSOT

SUBMITTAL DATA

Single Zone 18 Seer 12KBTU 115V

Model: TWH12ZR32AI / TWH12ZR32AO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



YAP1F7F



TWH12ZR32AI



TWH12ZR32AO



XE71 (Optional)

GENERAL FEATURES:

- R32 Refrigerant
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wired Controller Options
- Wi-Fi Included
- Low Ambient Cooling down to 0°F (Range 0°F to 115°F)
- Low Ambient Heating down to -13°F (Range -13°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin

Americo HVAC Supply LLC



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SPECIFICATIONS & FUNCTIONS:

Model		TWH12ZR32A
Power Supply	VAC / Phase / Hertz	208-230/1/60
Power Supply Mode	-	Outdoor
Cooling Capacity	Btu/h	12000
Heating Capacity	Btu/h	12000
Cooling Power Input	W	1352
Heating Power Input	W	1172
Rated Input	W	1400
Rated Current	A	15.22
EER	(Btu/h)/W	8.88
COP	(Btu/h)/W	10.24
SEER	SEER2	16
HSPF	HSPF2	8
Air Flow Volume(H-L)	CFM	365/294/265/241/218/194/159
Dehumidifying Volume	Pint/h	2.96
Application Area	sq ft	172-258
Controller Model	Remote	YAY1FF

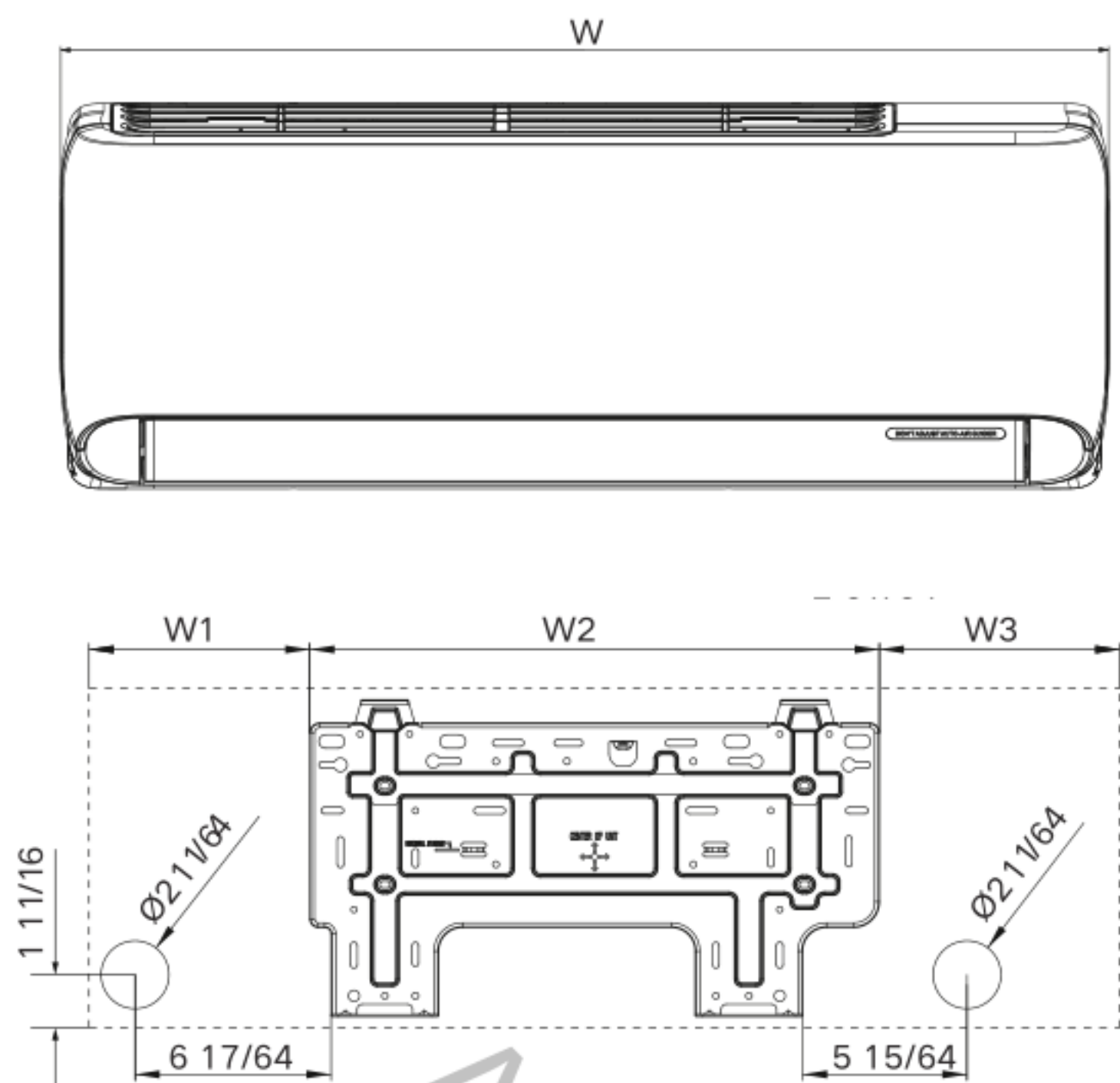
Indoor Unit Model		TWH12ZR32AI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	Φ92×580
Cooling Speed	r/min	1450/1200/1100/1050/1000/800/750
Heating Speed	r/min	1350/1200/1100/1050/1000/850/800
Fan Motor Power Output	W	20
Fan Motor RLA	A	0.46
Motor ratings	hp	0.03
Evaporator Form		Aluminum Fin-copper Tube
Evaporator Pipe Diameter	mm	φ5
Evaporator Row-fin Gap	mm	2-1.4
Evaporator Coil Length (L×D×W)	mm	584×22.8×266.7
Swing Motor Model	-	MP24HF
Swing Motor Power Output	W	1.5
Fuse Current	A	3.15
Set Temperature Range	°F	61 ~ 86
Sound Pressure Level Cooling mode	dB (A)	42/36/33/32/31/24/22
Sound Power Level Cooling mode	dB (A)	52/46/43/42/41/34/32
Sound Pressure Level Heating mode	dB (A)	41/36/33/31/30/25/24
Sound Power Level Heating mode	dB (A)	51/46/43/41/40/35/34
Dimension (W x H x D)	inch	32 51/64 × 10 15/64 × 7 36/64
Net Weight	lb	17.6
Gross Weight	lb	20.9

Outdoor Unit Model		TWH12ZR32AO
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXF-A098zC170H
Compressor Oil	-	ZE-GLES RB68GX
Compressor Type	-	Rotary
Compressor RLA	A	14.2
Compressor Power Input	W	862
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	400
Fan Motor Speed	rpm	850
Fan Motor Power Output	W	30
Motor ratings	hp	0.04
Fan Motor RLA	A	0.66
Air Flow Volume	CFM	1148
Condenser Form		Aluminum Fin-copper Tube
Condenser Pipe Diameter	mm	φ7
Condenser Rows-fin Gap	mm	1-1.2
Condenser Coil Length (L×D×W)	mm	666×19.05×527
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.	914
Cooling Operation Ambient Temperature Range	°F	0 ~ 118
Heating Operation Ambient Temperature Range	°F	-13 ~ 75
Metering Device	-	Capillary
Defrosting Method	-	Automatic
Sound Pressure Level (H)	dB (A)	51
Sound Power Level (H)	dB (A)	61
Dimension (WxHxD)	inch	28 13/16 × 21 27/32 × 12 63/64
Outdoor Unit Net Weight	lb	58.4
Outdoor Unit Gross Weight	lb	63.9
Refrigerant	--	R32
Factory Refrigerant Charge	oz	21.2
Connection Pipe Length	ft	24.6
Connection Pipe Gas Additional Charge	oz/ft.	0.2
Outer Diameter of Liquid Pipe	inch	1/4"
Outer Diameter of Gas Pipe	inch	3/8"
Max Distance Height	ft	39.4
Max Distance Length	ft	65.6

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

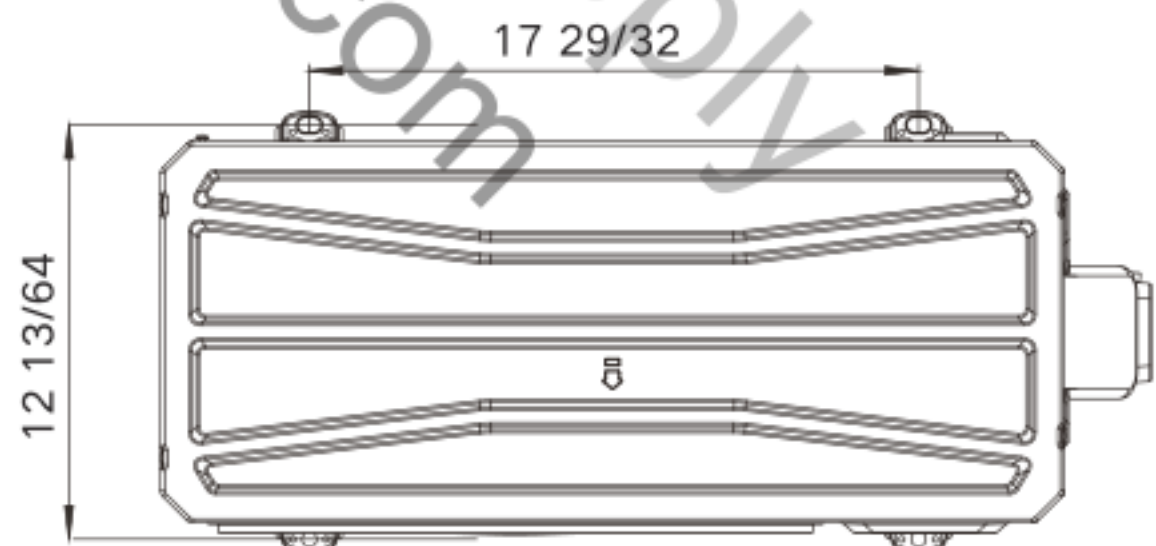
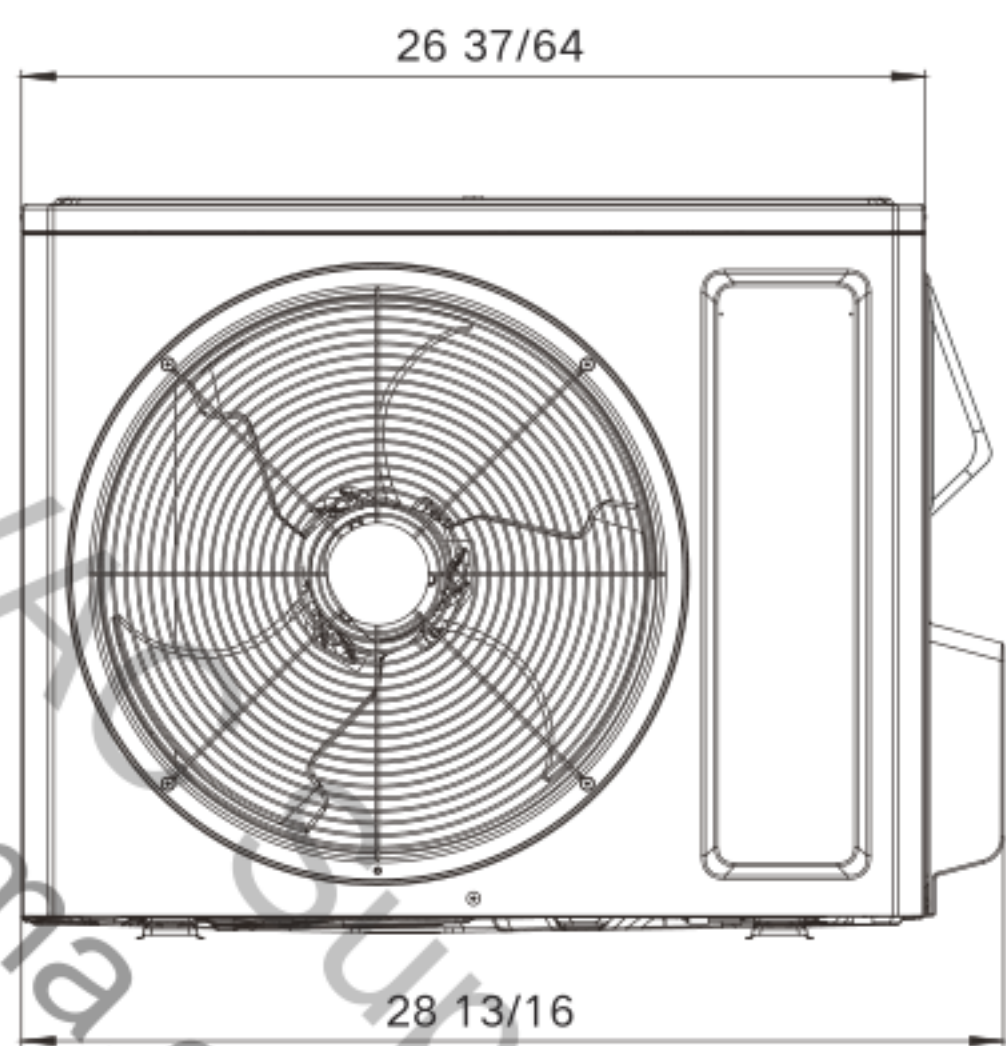
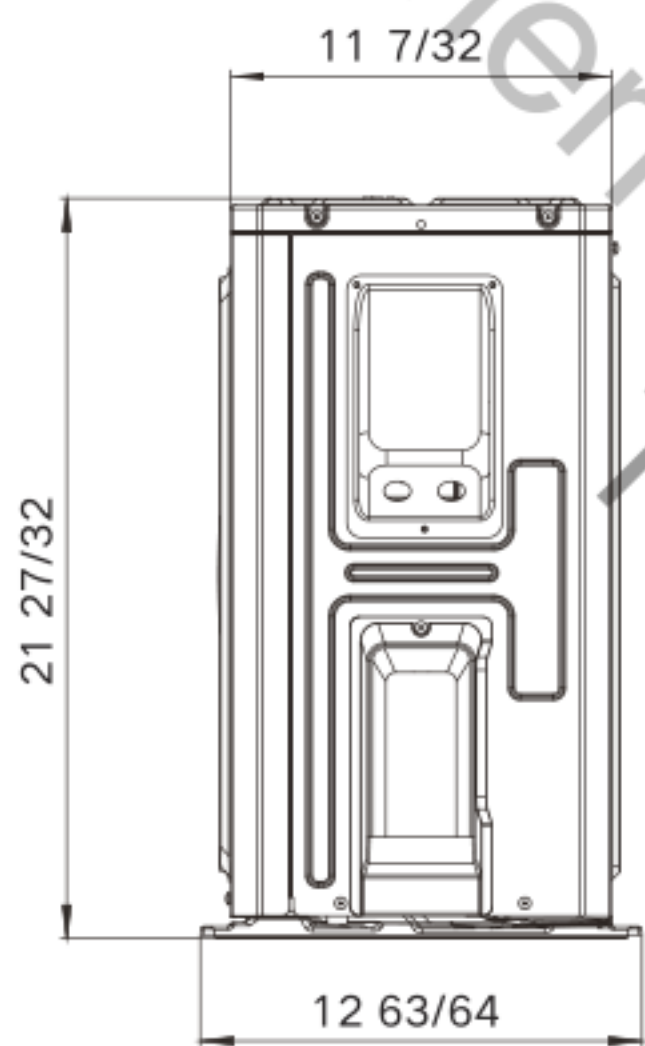


Outline Dimension Diagram



Unit: inch

Model	W	H	D
ATC	32 $\frac{7}{8}$	10 $\frac{53}{64}$	7 $\frac{7}{8}$
	W1	W2	W3
	7 $\frac{3}{64}$	18 $\frac{5}{32}$	7 $\frac{11}{16}$



Unit:inch



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Installation Dimension Diagram

