



TOSOT

SUBMITTAL DATA

Single Zone Fresh Air 25 Seer 12KBTU 115V

Model: TWH12AUC25R32A1AI / TWH12AUC25R32A1AO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



YAP1F7F



TWH12AUC25R32A1AI



TWH12AUC25R32A1AO



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 (Range -20°F to 122°F)
- Low Ambient Heating down to -22°F (Range -22°F to 86°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested
- **100% Fresh Air Module**

Americo HVAC Supply LLC



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CA 94544



SPECIFICATIONS & FUNCTIONS:

Model		TWH12AUC25R32A1A
Power Supply	VAC / Ph / Hz	115/1/60
Power Supply Mode	-	Outdoor
Cooling Capacity	Btu/h	12000
Heating Capacity	Btu/h	12000
Cooling Power Input	W	923
Heating Power Input	W	923
Rated Input	W	1450
Rated Current	A	15.41
EER	(Btu/h)/W	13
COP	(Btu/h)/W	13
SEER	SEER2	24.5
HSPF	HSPF2	9.5
Air Flow Volume(H-L)	CFM	400/365/330/288/265/247/230/212
Dehumidifying Volume	Pint/h	2.96
Application Area	sq ft	172-258
Controller Model	Remote	YBE1FBF

Indoor Unit Model		TWH12AUC25R32A1AI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	Φ98×630
Cooling Speed	r/min	1450/1200/1120/1050/980/920/750/500
Heating Speed	r/min	1450/1200/1140/1080/1020/960/900
Fan Motor Power Output	W	35
Fan Motor RLA	A	0.45
Motor ratings	hp	0.05
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	634×22.8×304.8
Swing Motor Model	-	MP24BA/MP24AK/MP24HF
Swing Motor Power Output	W	1.5/1.5/1.5
Fuse Current	A	30
Set Temperature Range	°F	61 ~ 86
Sound Pressure Level Cooling mode	dB (A)	43/38/36/34/32/30/25/20
Sound Power Level Cooling mode	dB (A)	53/48/46/44/42/40/35/30/
Sound Pressure Level Heating mode	dB (A)	44/38/36/34/32/30/28
Sound Power Level Heating mode	dB (A)	54/48/46/44/42/40/38
Dimension (W x H x D)	inch	32 61/64x11 34/64x7 56/64
Net Weight	lb	20.9
Gross Weight	lb	25.4

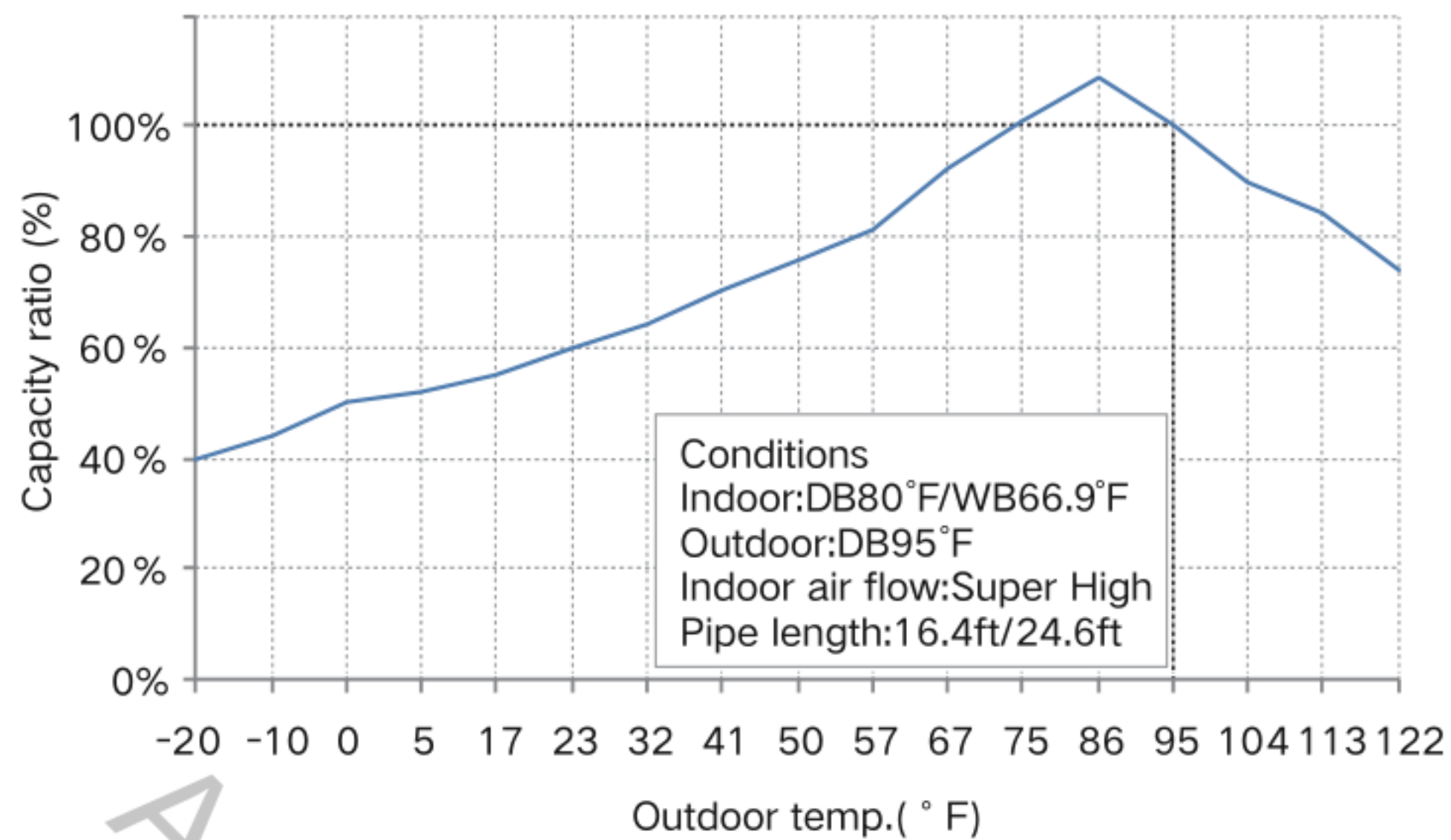
Outdoor Unit Model		TWH12AUC25R32A1AO
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXF-M098zE170
Compressor Oil	-	FW68L
Compressor Type	-	Rotary
Compressor RLA	A	14
Compressor Power Input	W	856.6
Outdoor Unit Fan Type	-	Cross-flow
Outdoor Unit Fan Diameter	mm	420
Fan Motor Speed	rpm	810
Fan Motor Power Output	W	30
Motor ratings	hp	0.04
Fan Motor RLA	A	0.8
Air Flow Volume	CFM	1295
Condenser Form	Aluminum Fin-copper Tube	
Condenser Pipe Diameter	mm	Φ7
Condenser Rows-fin Gap	mm	2-1.4
Condenser Coil Length (L×D×W)	mm	761.5×38.1×528
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	-	Electric expansion valve
Defrosting Method	-	Automatic Defrosting
Sound Pressure Level (H)	dB (A)	52
Sound Power Level (H)	dB (A)	62
Dimension (W×H×D)	inch	31 37/64/21 54/64/13 50/64
Outdoor Unit Net Weight	lb	69.5
Outdoor Unit Gross Weight	lb	75
Refrigerant	--	R32
Factory Refrigerant Charge	oz	28.2
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	1/2"
Max Distance Height	ft	40
Max Distance Length	ft	65.6

Functions				
Auto	I Feel	8°C Heating Mode	Intelligent Defrosting	Turbo
Cooling	Intelligent Preheating	Turbo Cooling	Force Defrosting	Temperature
Heating	Dry Anti-mildew Design	Low Ambient Cooling	Energy Saving	Soft Start
Dehumidify	Several Optional Filters	Low Ambient Heating	Auto Fan	Self-Diagnosis
Air Flow	Auto Clean	Low Voltage Startup	Quiet	Lock
Three Kinds of Sleep Mode	Timer Feature	Standby	Filter Dirty Alarm	WIFI
Vertical Auto Swing	Memory	Multi Speeds	Chassis Electric Heater Function	LCD (Back Light)
Horizontal Auto Swing	100% Fresh Air			LED

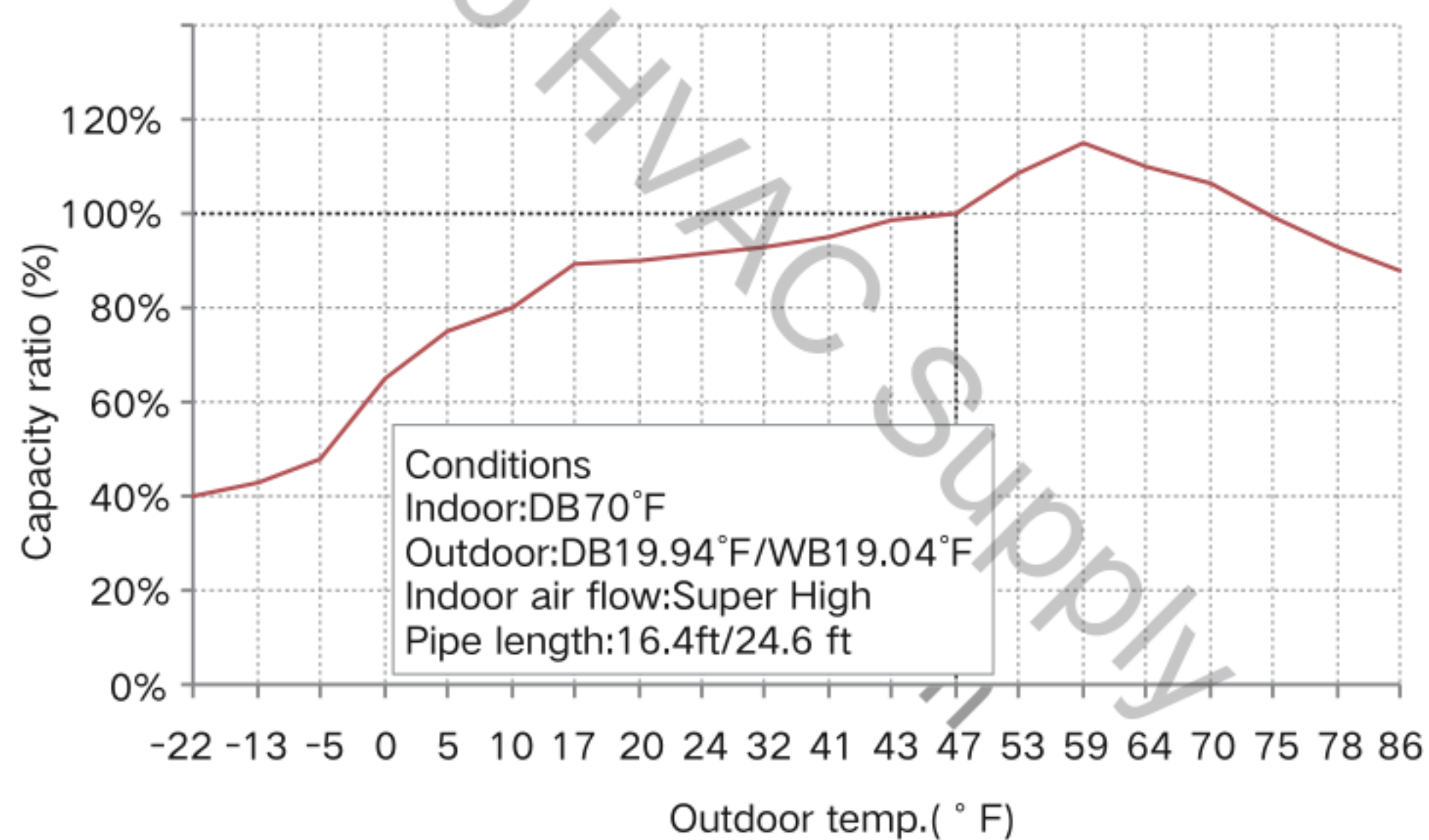


Capacity Variation Ratio According to Temperature

Cooling:

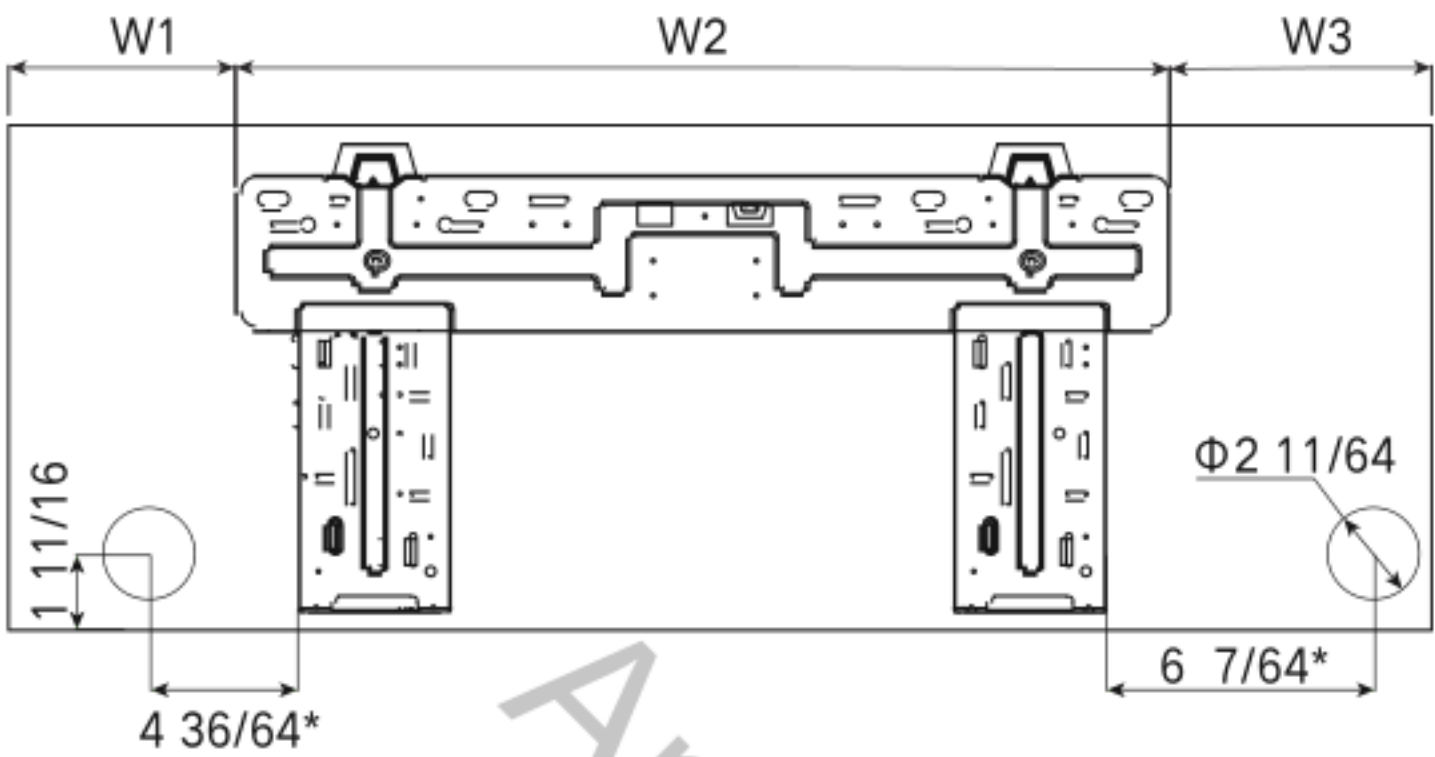
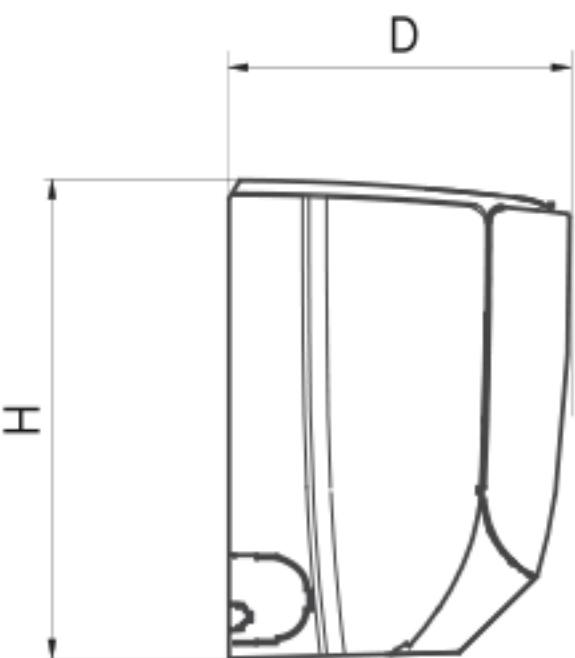
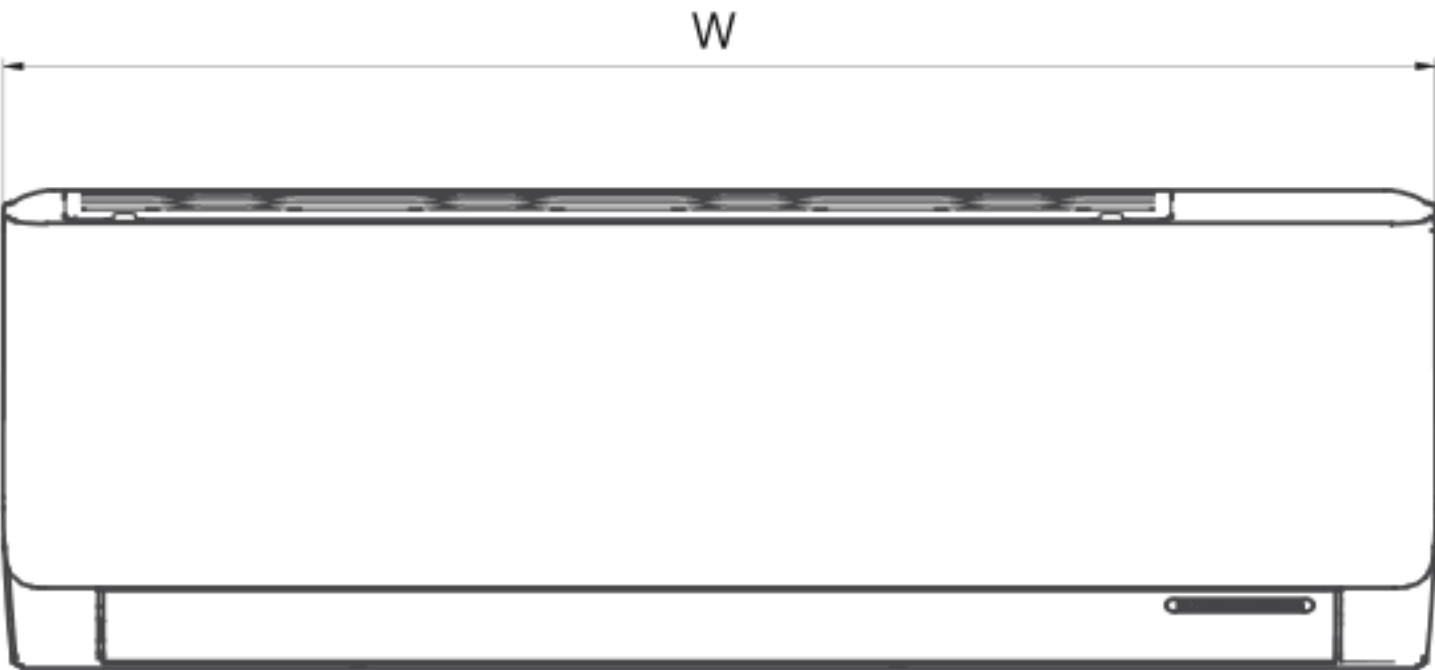


Heating:





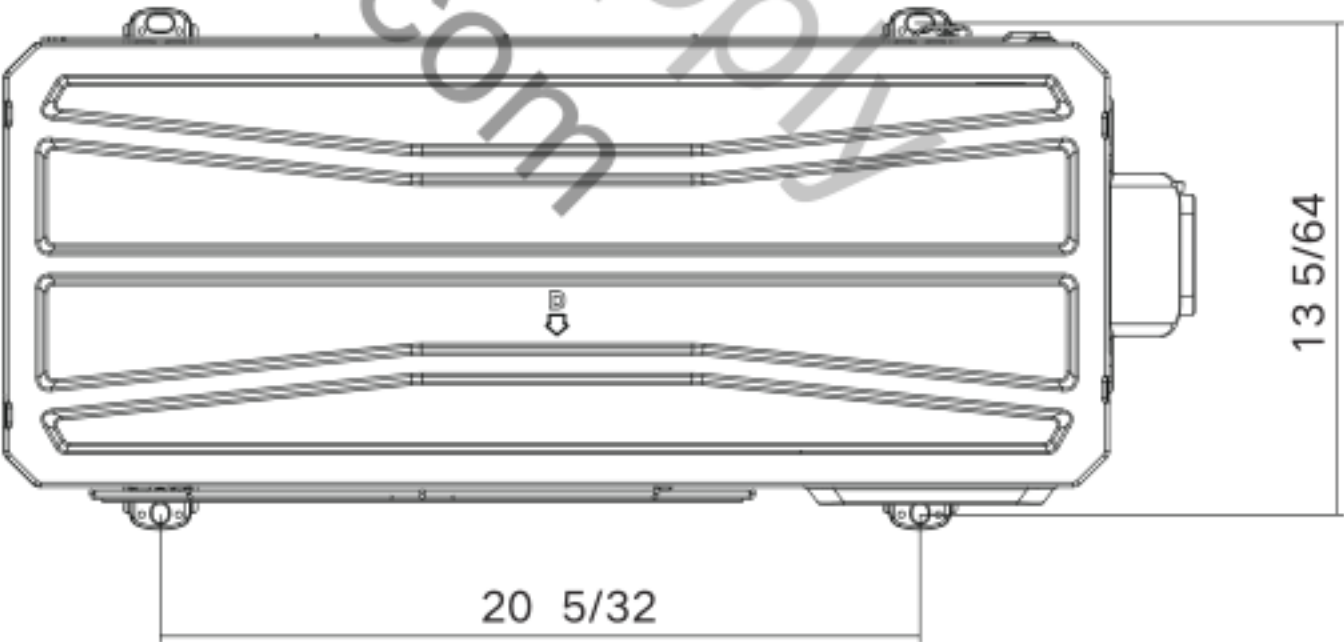
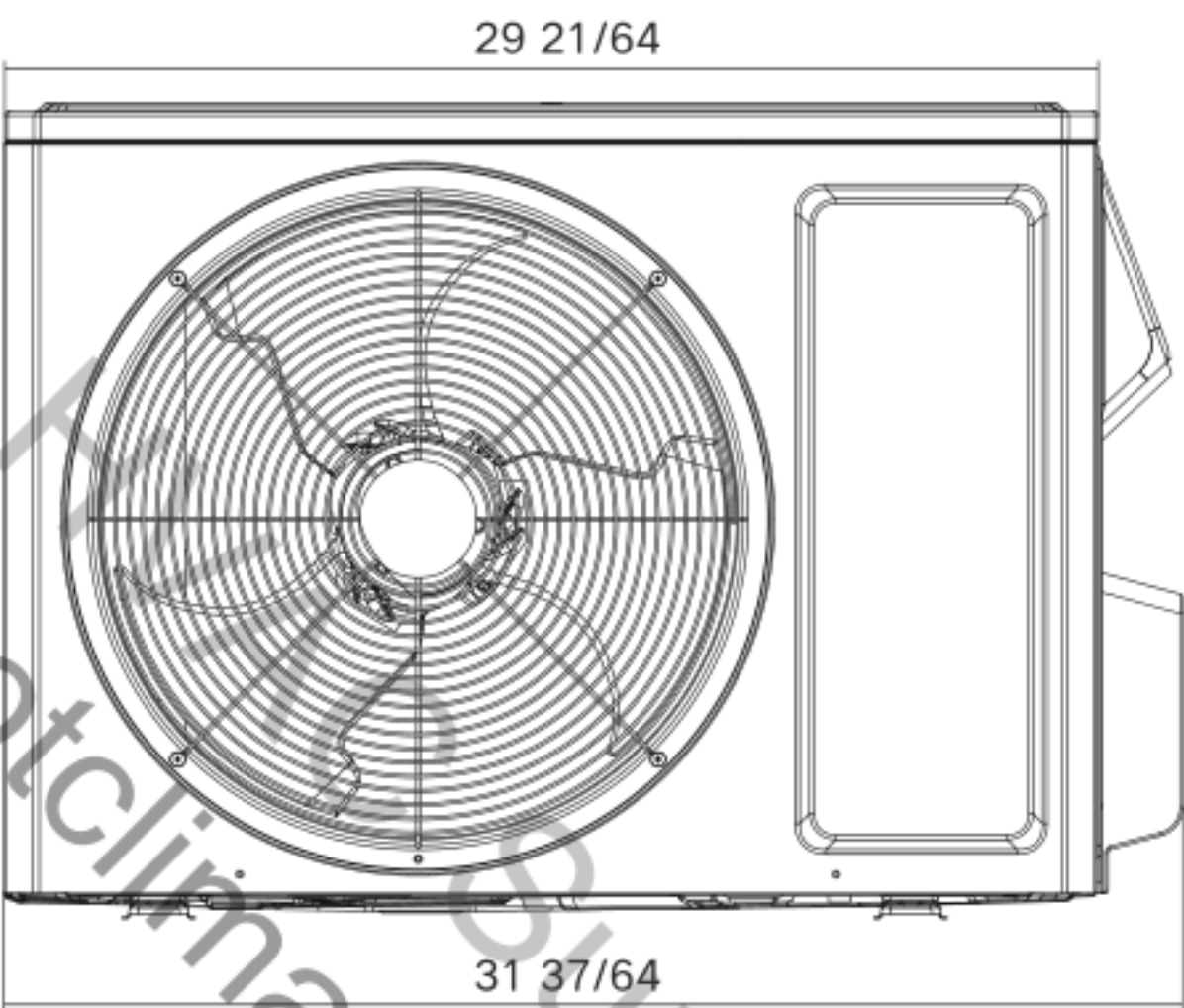
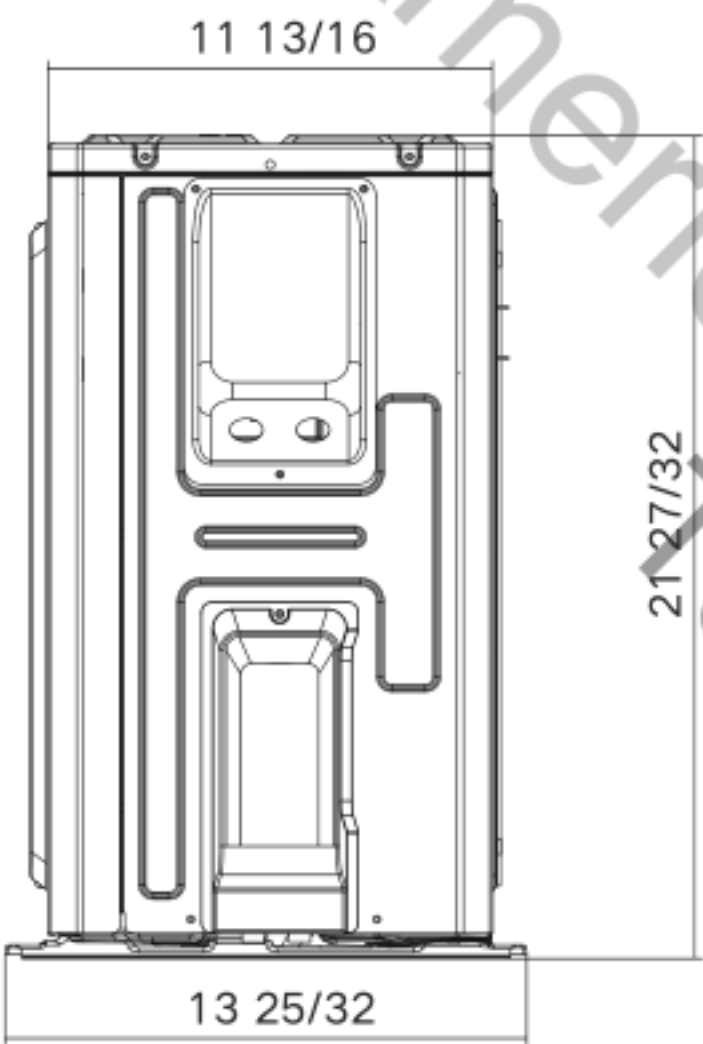
Outline Dimension Diagram



Unit: inch

Model	W	H	D
AGC	32 31/64	11 17/32	7 23/32
	W1	W2	W3
	4 29/64	21 11/32	6 11/16

* Recommending distances



Unit: inch



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Installation Dimension Diagram

