



TOSOT

SUBMITTAL DATA

Single Zone 25 Seer 12KBTU 115V

Model: TWH12R32A1AI / TWH12PR32AO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

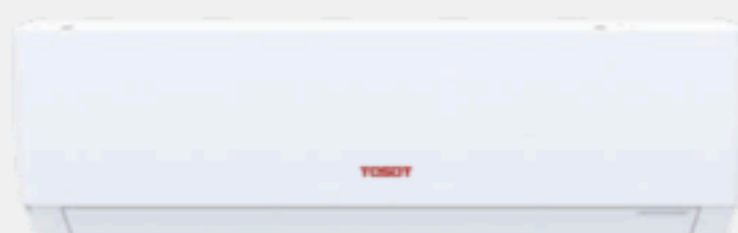
For

Unit Designation

Schedule No.



YAP1F7F



TWH12R32A1AI



TWH12PR32AO



ERV Fresh Air
Exchange Accessory

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 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
- Blue Colored Fin - 500 Hrs Salt Spray Tested

Americo HVAC Supply LLC



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SPECIFICATIONS & FUNCTIONS:

Model		TWH12R32A1A
Power Supply	VAC / Phase / Hertz	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	680/400/365/330/288/265/247/230
Dehumidifying Volume	Pint/h	2.96
Application Area	sq ft	172-258
Controller Model	Remote	YBE1FB1F

Indoor Unit Model		TWH12R32A1AI
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	3.15
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 31/64x11 34/64x7 46/64
Net Weight	lb	20.9
Gross Weight	lb	25.4

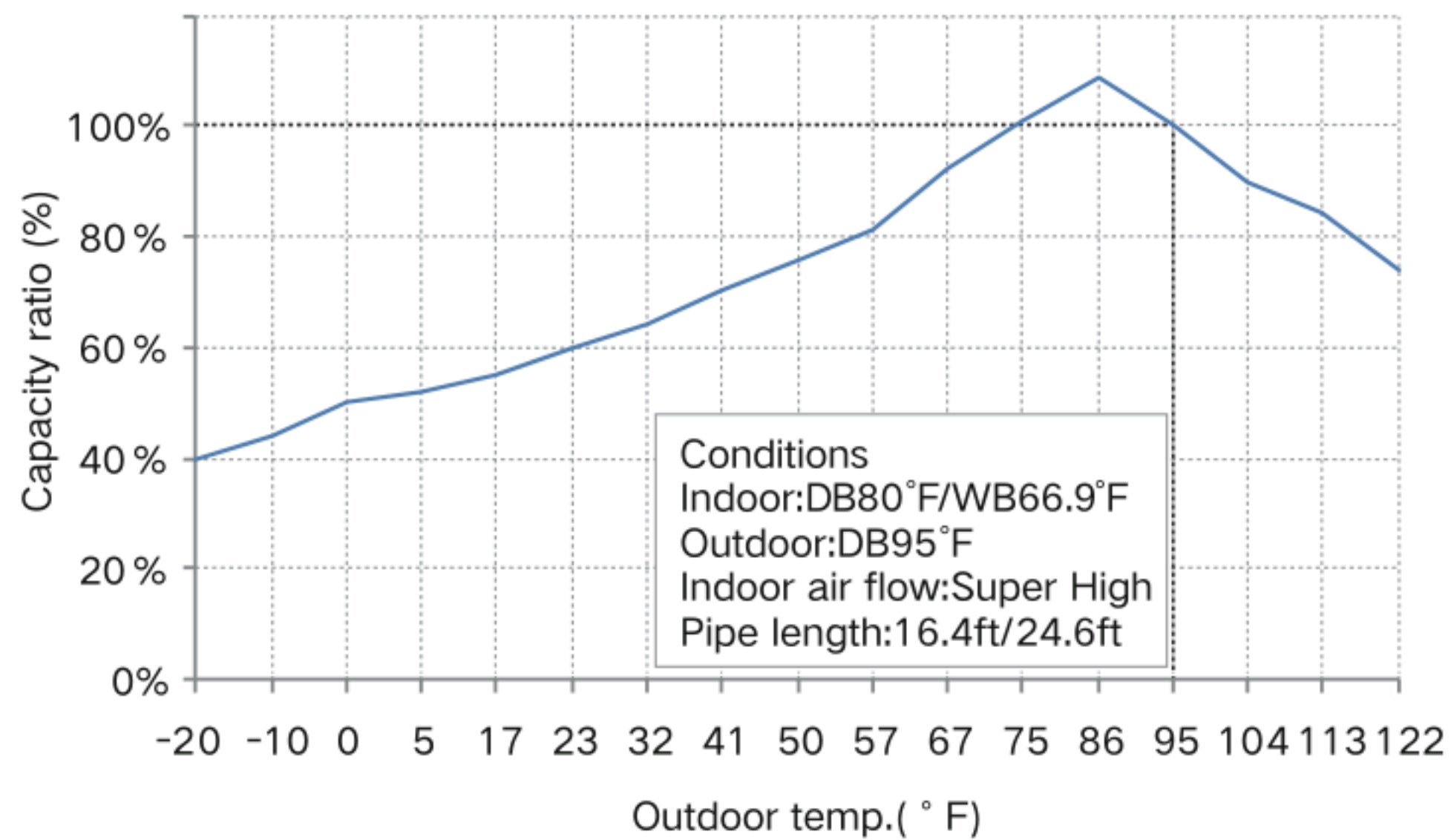
Outdoor Unit Model		TWH12PR32AO
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXF-M098zE170
Compressor Oil	-	FW68L
Compressor Type	-	Rotary
Compressor RLA	A	14
Compressor Power Input	W	856.6
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	420
Fan Motor Speed	rpm	810
Fan Motor Power 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	Electronic expansion valve	
Defrosting Method	-	Automatic Defrosting
Sound Pressure Level (H)	dB (A)	52
Sound Power Level (H)	dB (A)	62
Dimension (WxHxD)	inch	31 37/64x21 54/64x13 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	Turbo	Auto Fan	Intelligent Defrosting	Compressor Electric Heater Function
Cooling	Temperature	Quiet	Force Defrosting	Memory
Heating	Soft Start	I Feel	Energy Saving	Chassis Electric Heater Function
Dehumidify	Self-Diagnosis	Intelligent Preheating	8°C Heating Mode	Filter Dirty Alarm
Air Flow	Lock	Dry Anti-mildew Design	Turbo Cooling	Standby
Three Kinds of Sleep Mode	WIFI	Several Optional Filters	Low Ambient Cooling	Multi Speeds
Vertical Auto Swing	LCD (Back Light)	Auto Clean	Low Ambient Heating	I Feel
Horizontal Auto Swing	LED	Timer Feature	Low Voltage Startup	

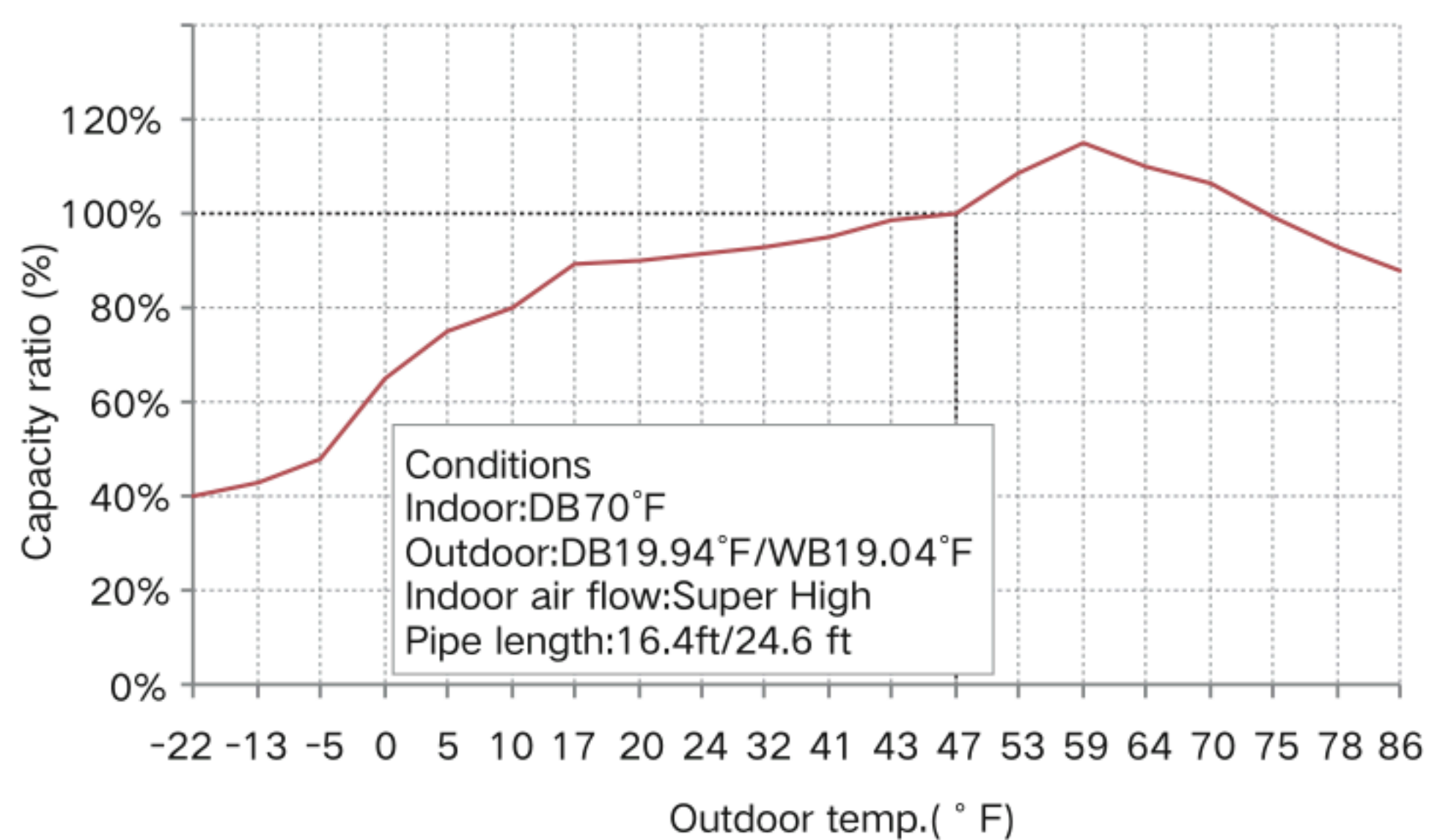


Capacity Variation Ratio According to Temperature

Cooling:

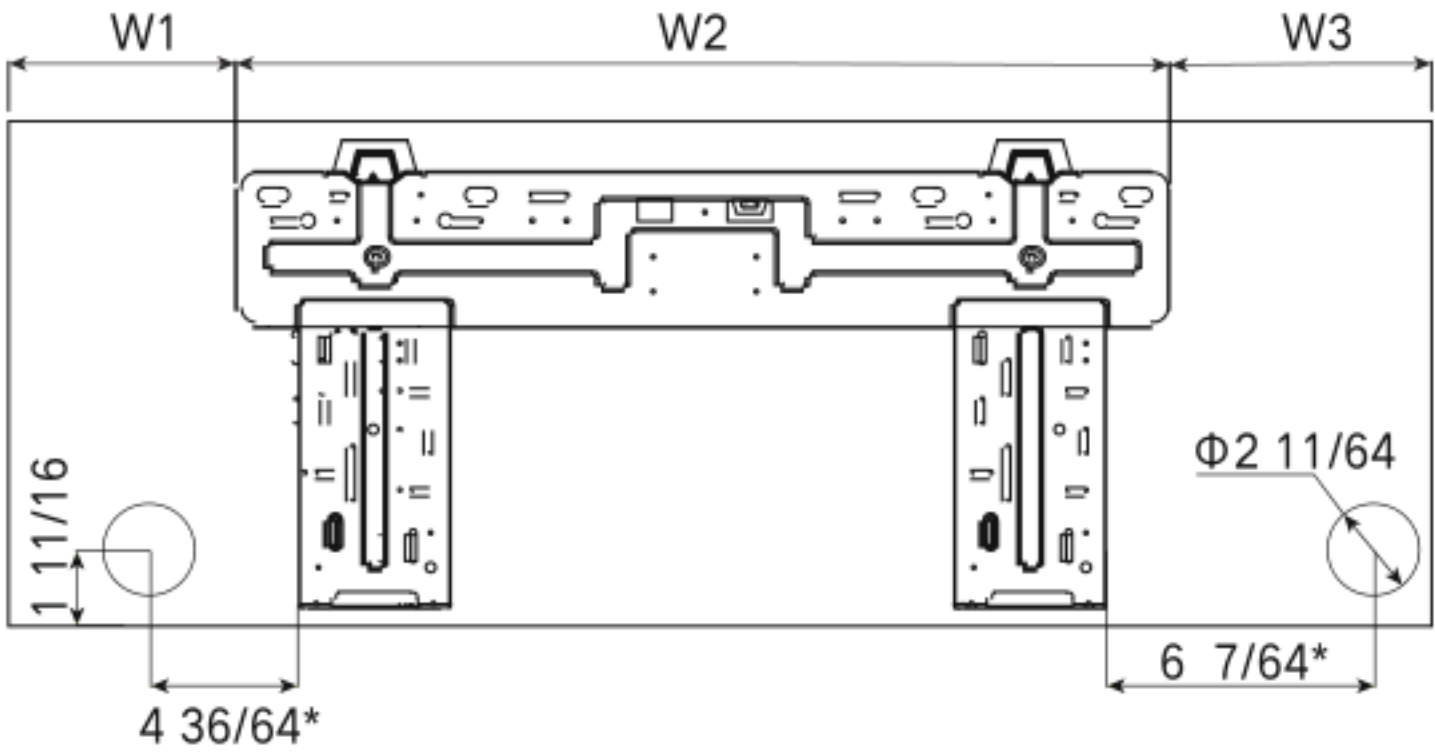
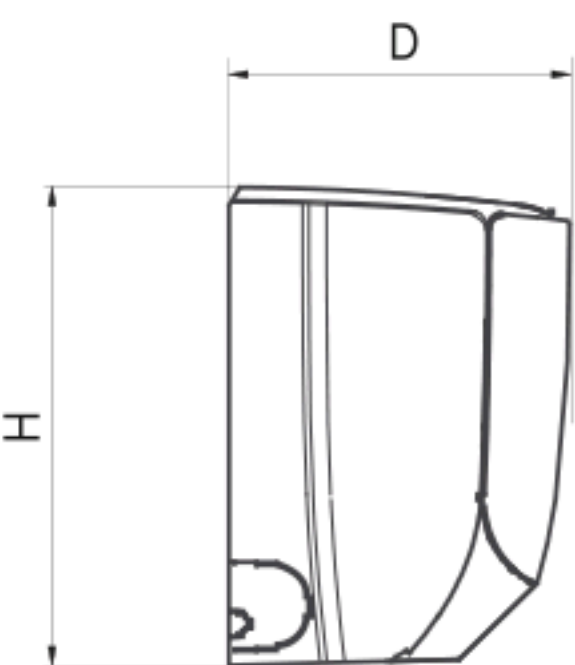
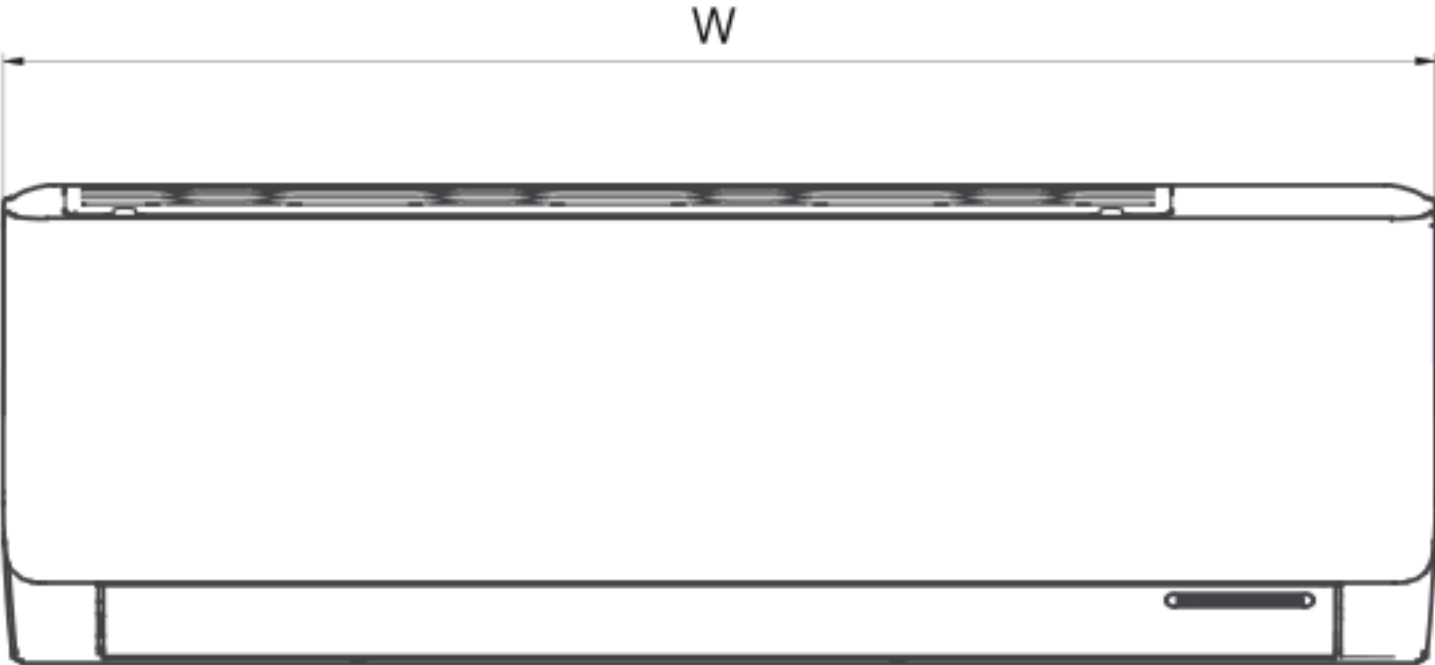


Heating:





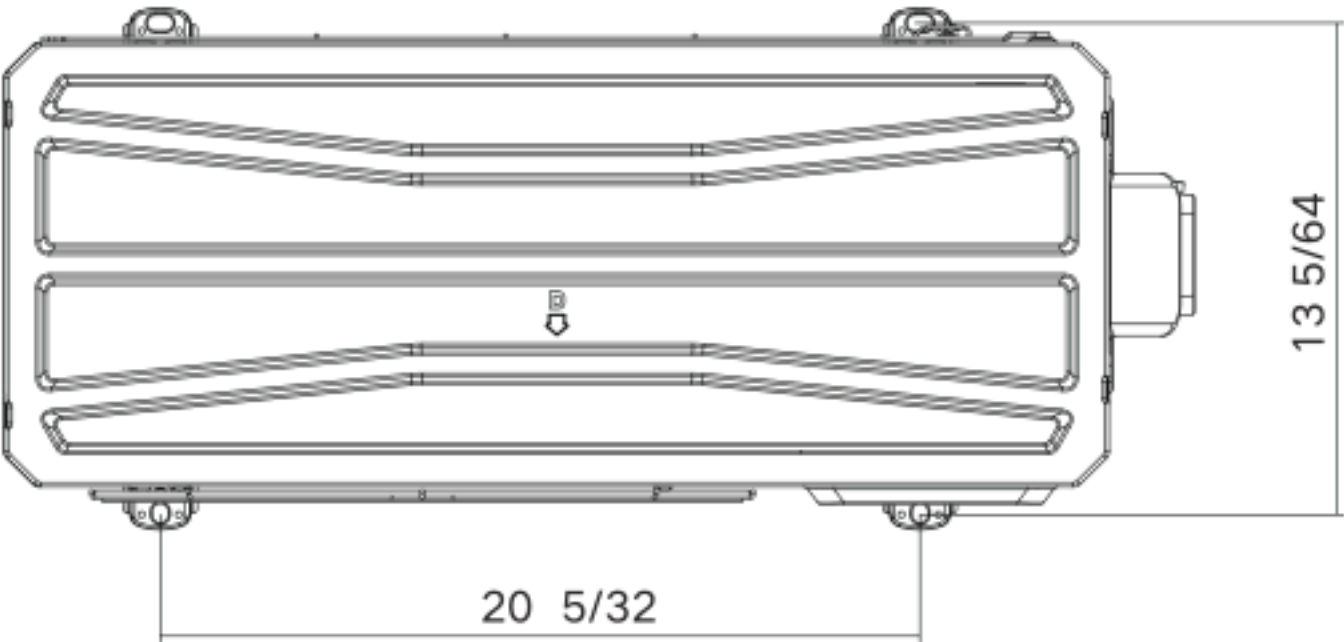
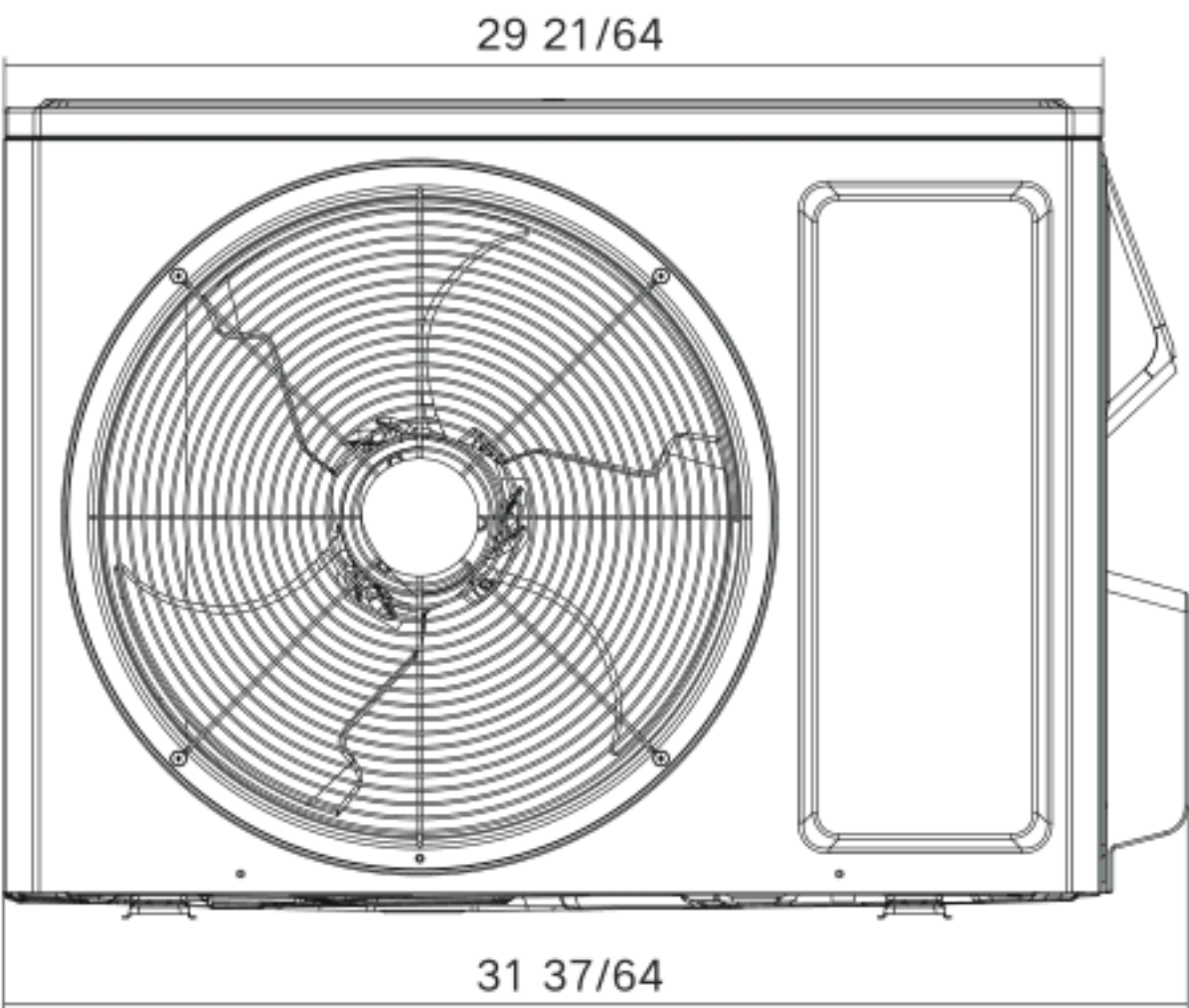
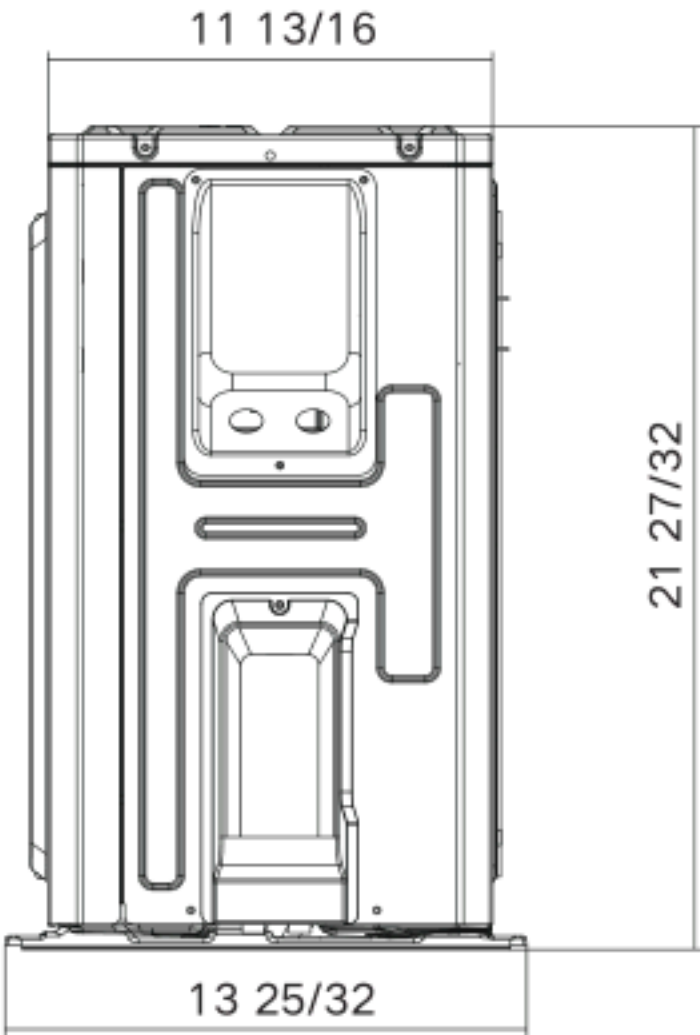
Outline Dimension Diagram



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



TQSDT

Installation Dimension Diagram

