



TOSOT

SUBMITTAL DATA

Single Zone 25 Seer 9KBTU 115V

Model: TWH09R32A1AI / TWH09PR32AO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

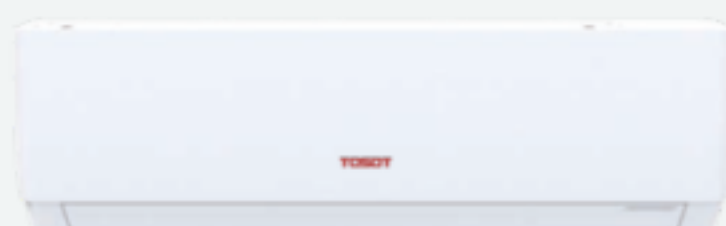
For

Unit Designation

Schedule No.



YAP1F7F



TWH09R32A1AI



TWH09PR32AO



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



Tel: +1 877-298-7191
Email: info@tosotclima.com
Website: tosotclima.com

1266 San Luis Obispo Ave.
Hayward, CA. 94544



SPECIFICATIONS & FUNCTIONS:

Model		TWH09PR32A
Power Supply	VAC / Phase / Hertz	115/1/60
Power Supply Mode	-	Outdoor
Cooling Capacity	Btu/h	9100
Heating Capacity	Btu/h	10000
Cooling Power Input	W	606
Heating Power Input	W	740
Rated Input	W	1580
Rated Current	A	16.59
EER	(Btu/h)/W	15
COP	(Btu/h)/W	13.6
SEER	SEER2	27
HSPF	HSPF2	10.5
Air Flow Volume(H-L)	CFM	600/353/324/294/265/235/206/194
Dehumidifying Volume	Pint/h	1.69
Application Area	sq ft	130-194
Controller Model	Remote	YBE1FB1F

Indoor Unit Model		TWH09R32A1AI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	98×630
Cooling Speed	r/min	1300/1200/1100/1000/900/800/750/500
Heating Speed	r/min	1300/1200/1100/1000/900/800/50/800
Fan Motor Power Output	W	15
Fan Motor RLA	A	0.29
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/MP24AKMP24HF
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)	41/38/36/33/30/26/24/20
Sound Power Level Cooling mode	dB (A)	51/48/46/43/40/36/34/30
Sound Pressure Level Heating mode	dB (A)	40/37/34/31/27/26/23
Sound Power Level Heating mode	dB (A)	50/47/44/41/37/36/33
Dimension (W x H x D)	inch	32 31/64x11 17/32x7 23/32
Net Weight	lb	20.9
Gross Weight	lb	25.4

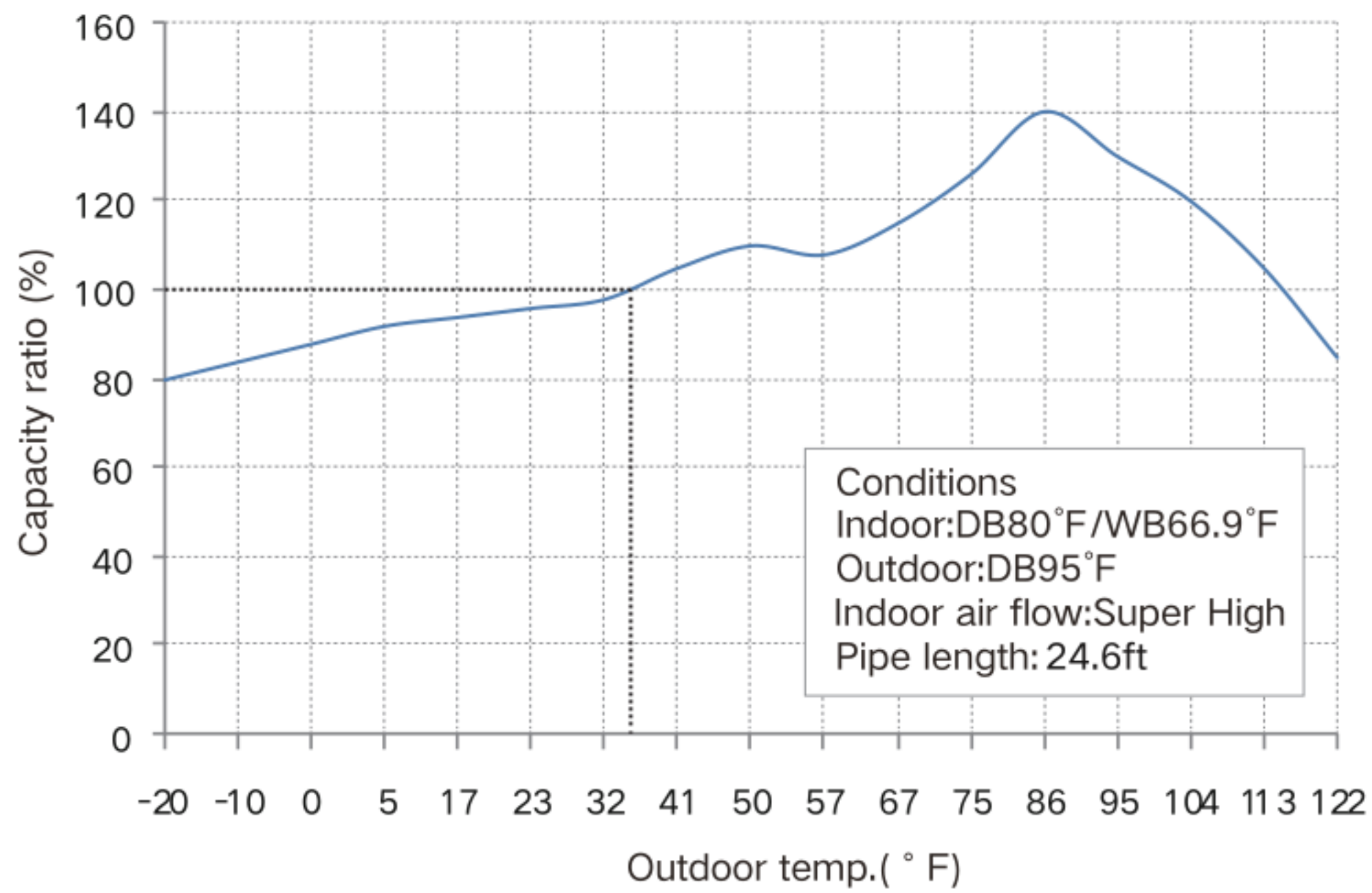
Outdoor Unit Model		TWH09PR32AO
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXF-B103zH170E
Compressor Oil	-	RB68EP
Compressor Type	-	Rotary
Compressor RLA	A	13.5
Compressor Power Input	W	800
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	420
Fan Motor Speed	rpm	900
Fan Motor Power Output	W	30
Motor ratings	hp	0.04
Fan Motor RLA	A	1.24
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	802×38.1×528
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.	624
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 (W×H×D)	inch	31 37/64x21 27/32x13 25/32
Outdoor Unit Net Weight	lb	71.7
Outdoor Unit Gross Weight	lb	77.2
Refrigerant	--	R32
Factory Refrigerant Charge	oz	30
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	40
Max Distance Length	ft	65

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				LED

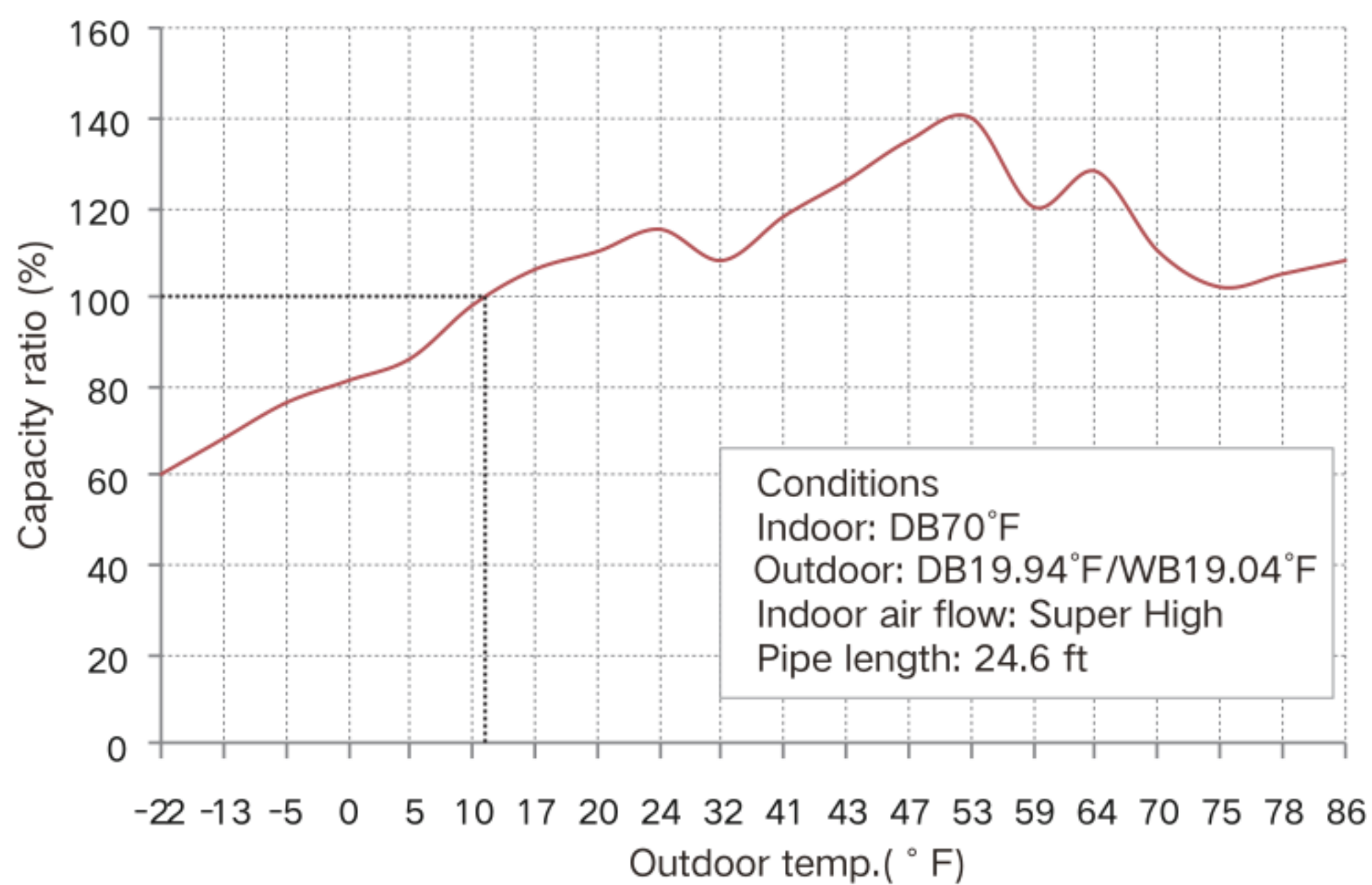


Capacity Variation Ratio According to Temperature

Cooling:



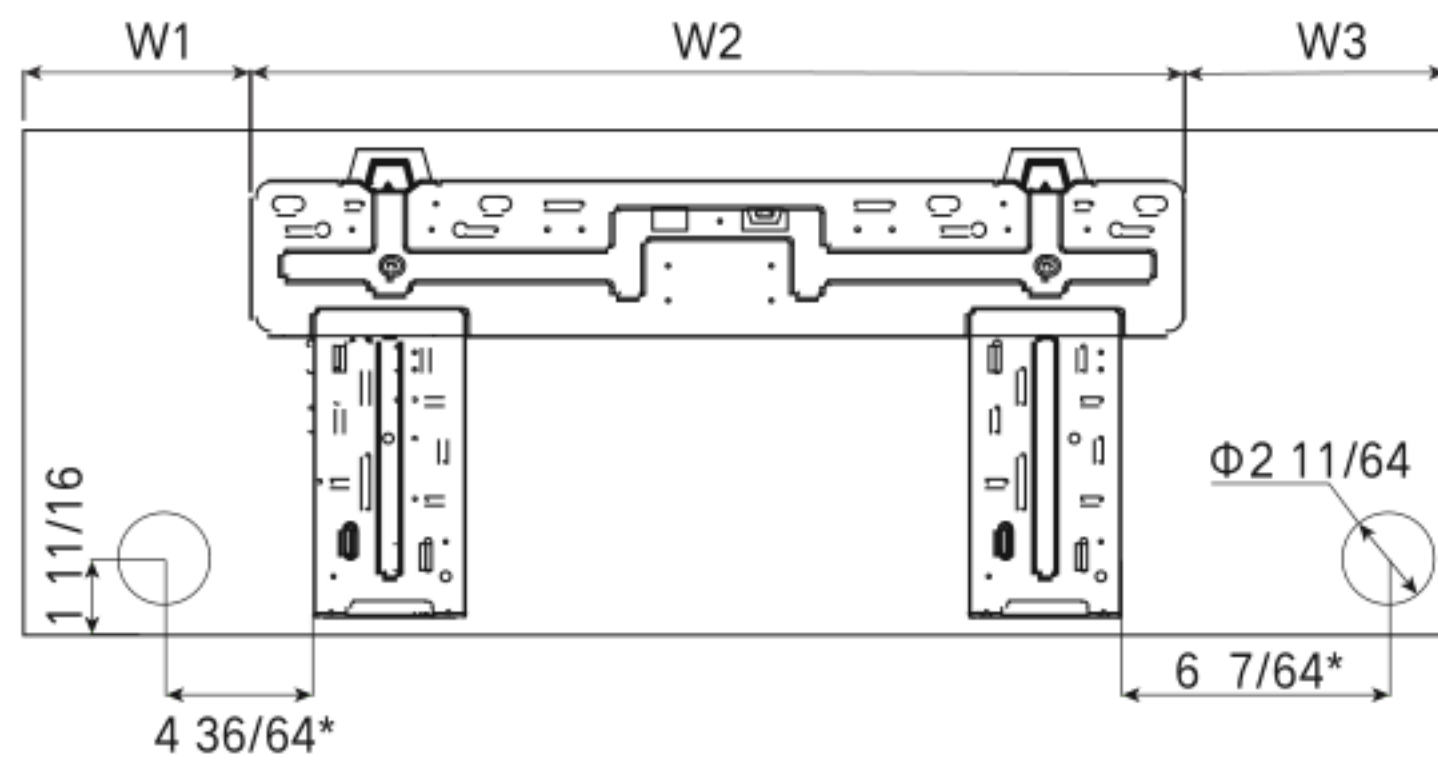
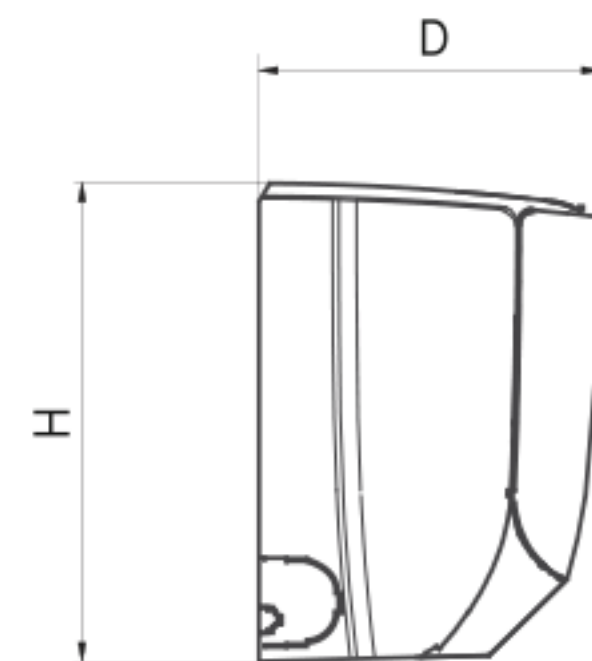
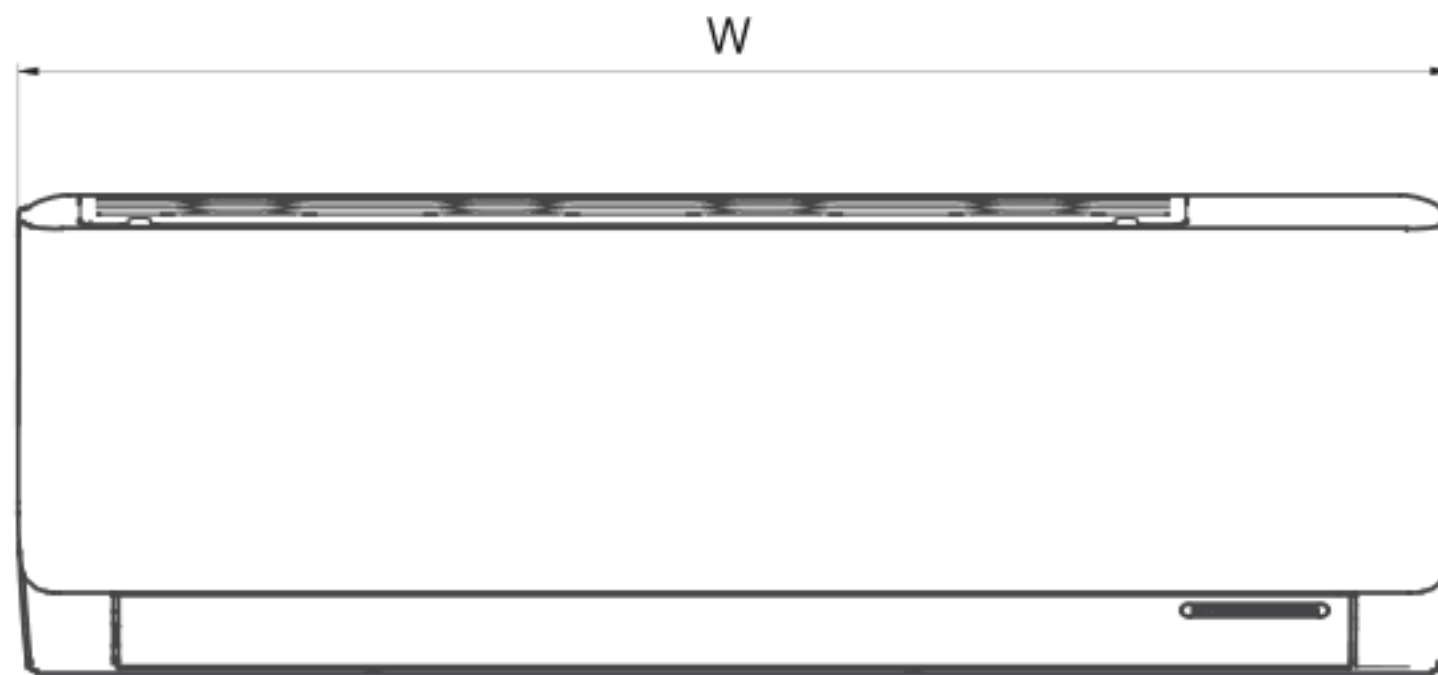
Heating:





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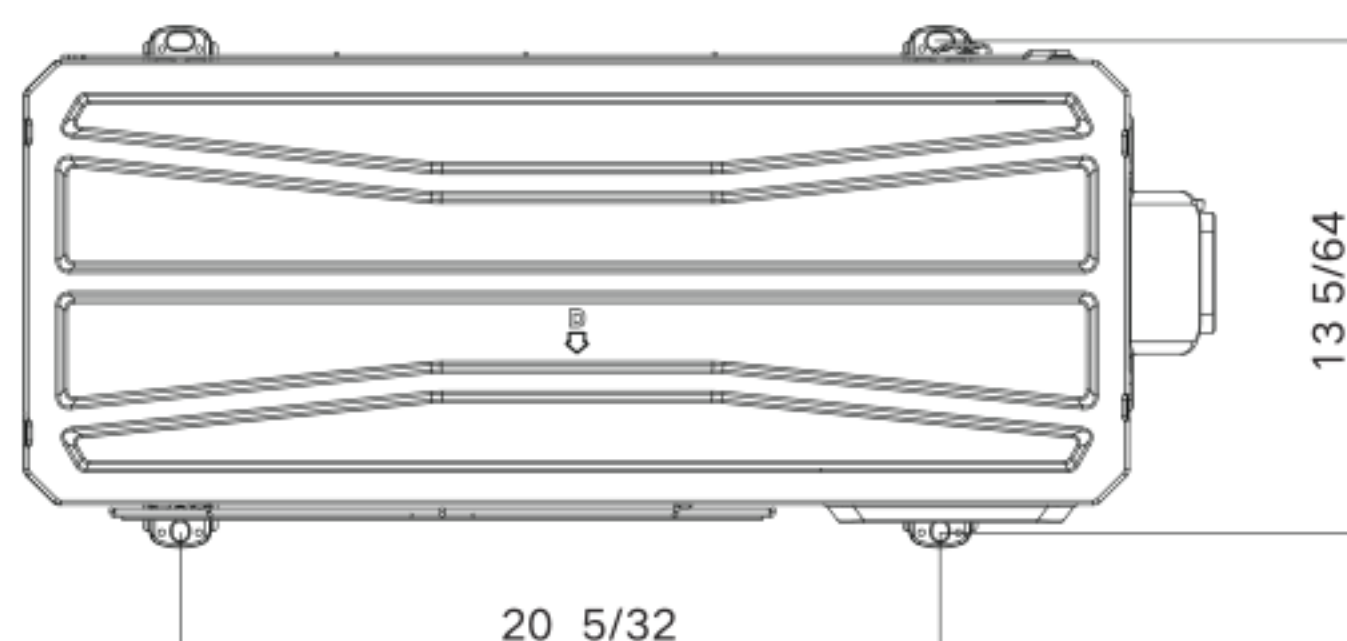
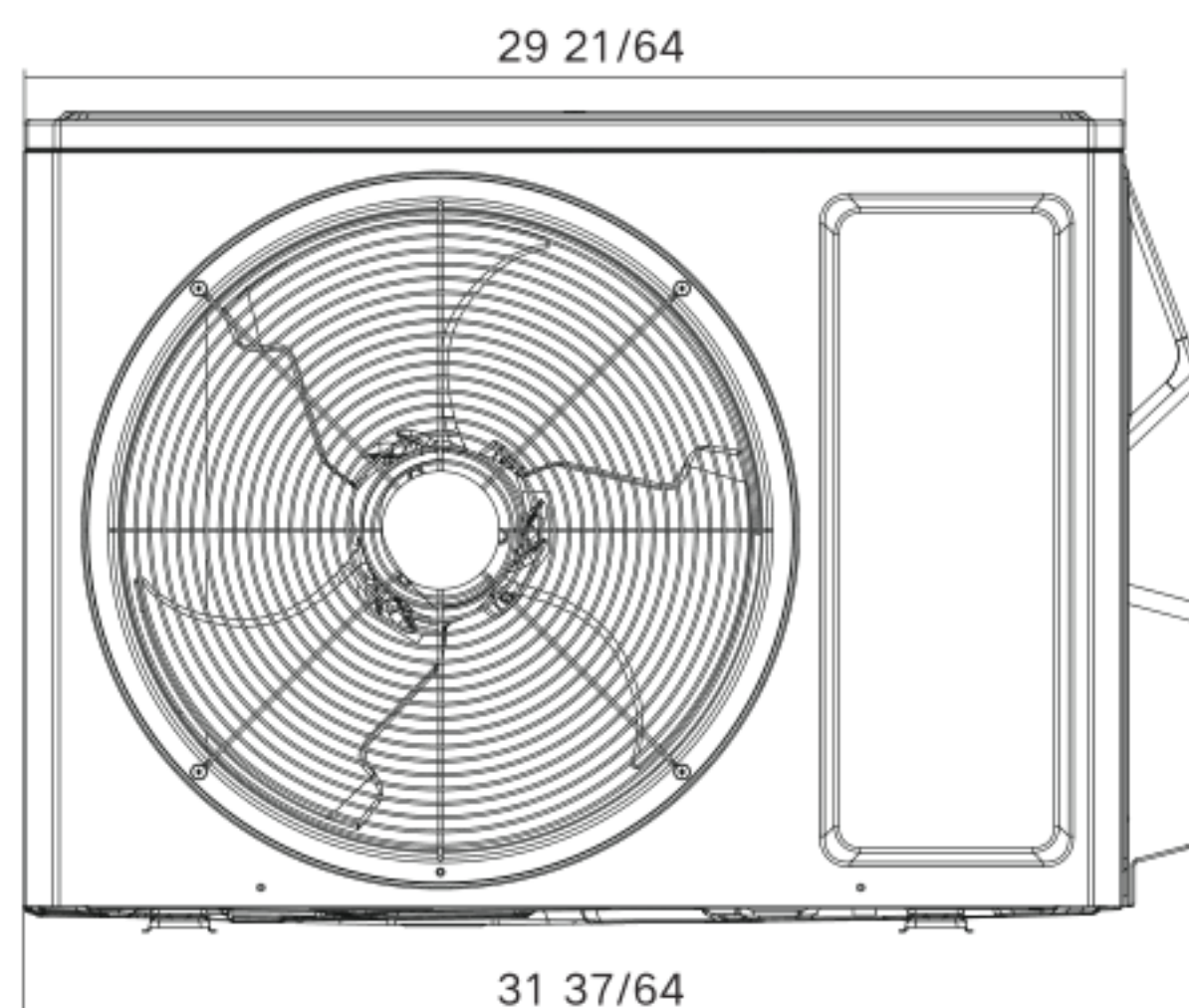
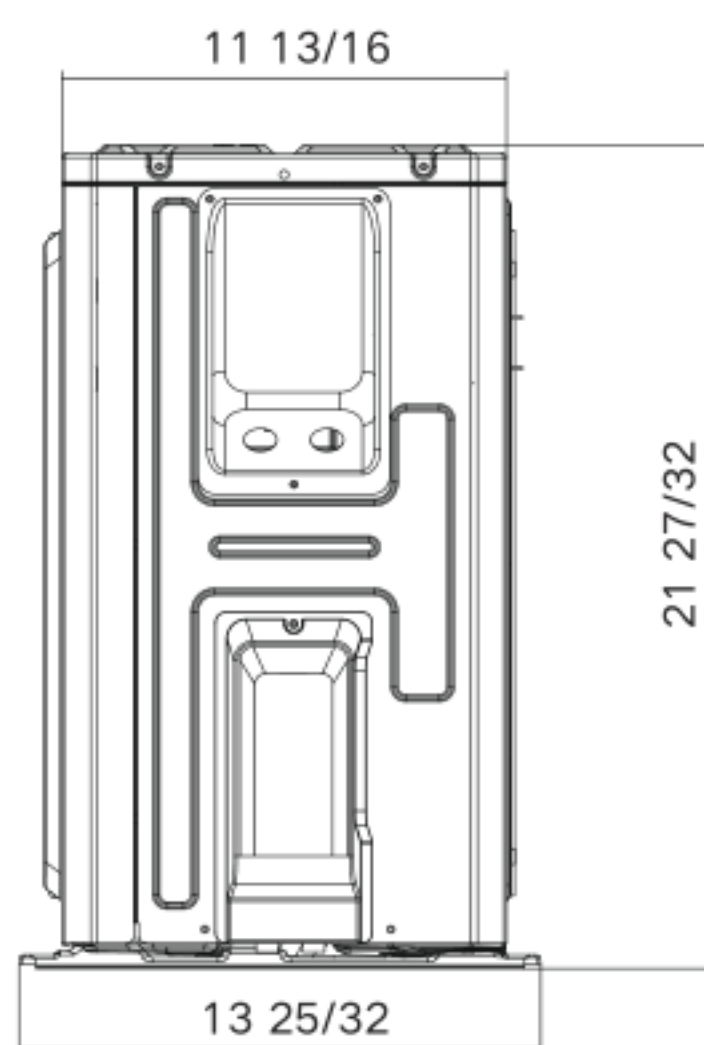
Outline Dimension Diagram



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

