



TOSOT

SUBMITTAL DATA

Single Zone 25 Seer 24KBTU 230V

Model: TWH24R32A1DI / TWH24PR32DO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

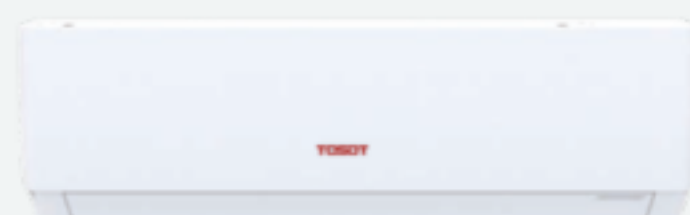
For

Unit Designation

Schedule No.



YAP1F7F



TWH24R32A1DI



TWH24PR32DO



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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1266 San Luis Obispo Ave.
Hayward, CA. 94544



SPECIFICATIONS & FUNCTIONS:

Model	TWH24R32A1D	
Power Supply	VAC / Phase / Hertz	208-230/3/60
Power Supply Mode	-	Outdoor
Cooling Capacity	Btu/h	22000
Heating Capacity	Btu/h	24000
Cooling Power Input	W	1613
Heating Power Input	W	1759
Rated Input	W	3400
Rated Current	A	15.5
EER	(Btu/h)/W	13.65
COP	(Btu/h)/W	13.65
SEER	SEER2	26
HSPF	HSPF2	10
Air Flow Volume(H-L)	CFM	1250/736/589/530/471/441/412/383
Dehumidifying Volume	Pint/h	4.23
Application Area	sq ft	248-366
Controller Model	Remote	YBE1FB1F

Indoor Unit Model	TWH24R32A1DI	
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	φ108×830
Cooling Speed	r/min	1500/1150/1100/1000/950/900/850
Heating Speed	r/min	1500/1200/1100/1050/1000/950/900
Fan Motor Power Output	W	110
Fan Motor RLA	A	1
Motor ratings	hp	0.148
Evaporator Form	Aluminum Fin-copper Tube	
Evaporator Pipe Diameter	mm	φ7
Evaporator Row-fin Gap	mm	2-1.2
Evaporator Coil Length (L×D×W)	mm	845×25.4×381
Swing Motor Model	-	MP24AK/MP24HF/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)	52/44/42/39/38/36/34
Sound Power Level Cooling mode	dB (A)	62/54/52/49/48/46/44
Sound Pressure Level Heating mode	dB (A)	52/44/42/39/38/36/34
Sound Power Level Heating mode	dB (A)	62/54/52/49/48/46/44
Dimension (W x H x D)	inch	42 21/64x13 7/64x9 11/16
Net Weight	lb	35.3
Gross Weight	lb	41.9

Outdoor Unit Model	TWH24PR32DO	
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXFS-A150zX170S
Compressor Oil	-	FW68DA or equivalent
Compressor Type	-	Rotary
Compressor RLA	A	15.3
Compressor Power Input	W	1330
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	520
Fan Motor Speed	rpm	800
Fan Motor Power Output	W	60
Motor ratings	hp	0.08
Fan Motor RLA	A	0.9
Air Flow Volume	CFM	1883
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	839×38.1×616
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.	711
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)	58
Sound Power Level (H)	dB (A)	68
Dimension (W×H×D)	inch	37 23/32x25 63/64x15 53/64
Outdoor Unit Net Weight	lb	92.6
Outdoor Unit Gross Weight	lb	102.5
Refrigerant	--	R32
Factory Refrigerant Charge	oz	42.3
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	131.2

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	Filter Dirty Alarm
Air Flow	Lock	Several Optional Filters	Low Ambient Cooling	Multi Speeds
Three Kinds of Sleep Mode	WIFI	Auto Clean	Low Ambient Heating	I Feel
Vertical Auto Swing	LCD (Back Light)	Timer Feature	Low Voltage Startup	
Horizontal Auto Swing	LED	Memory	Standby	

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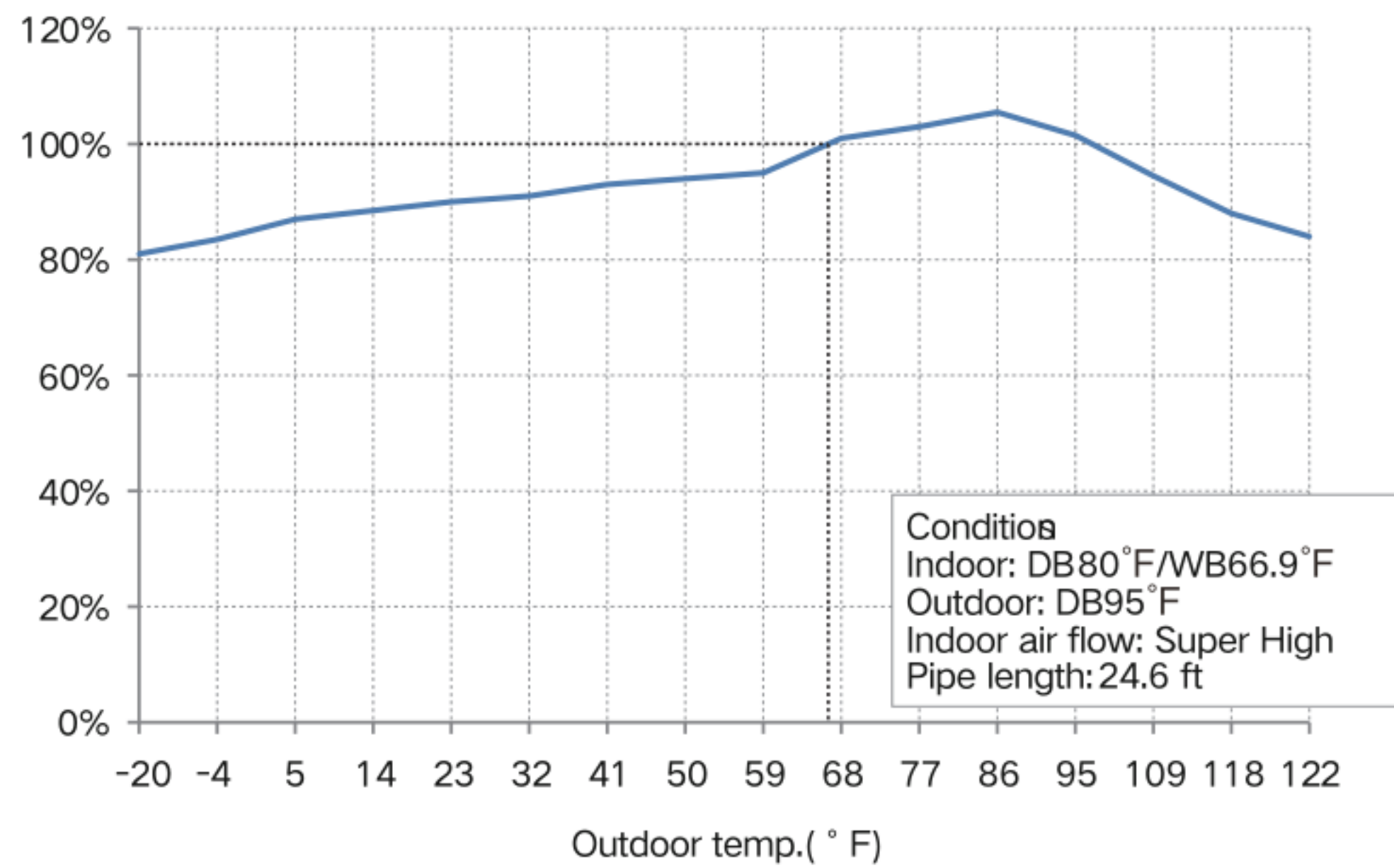
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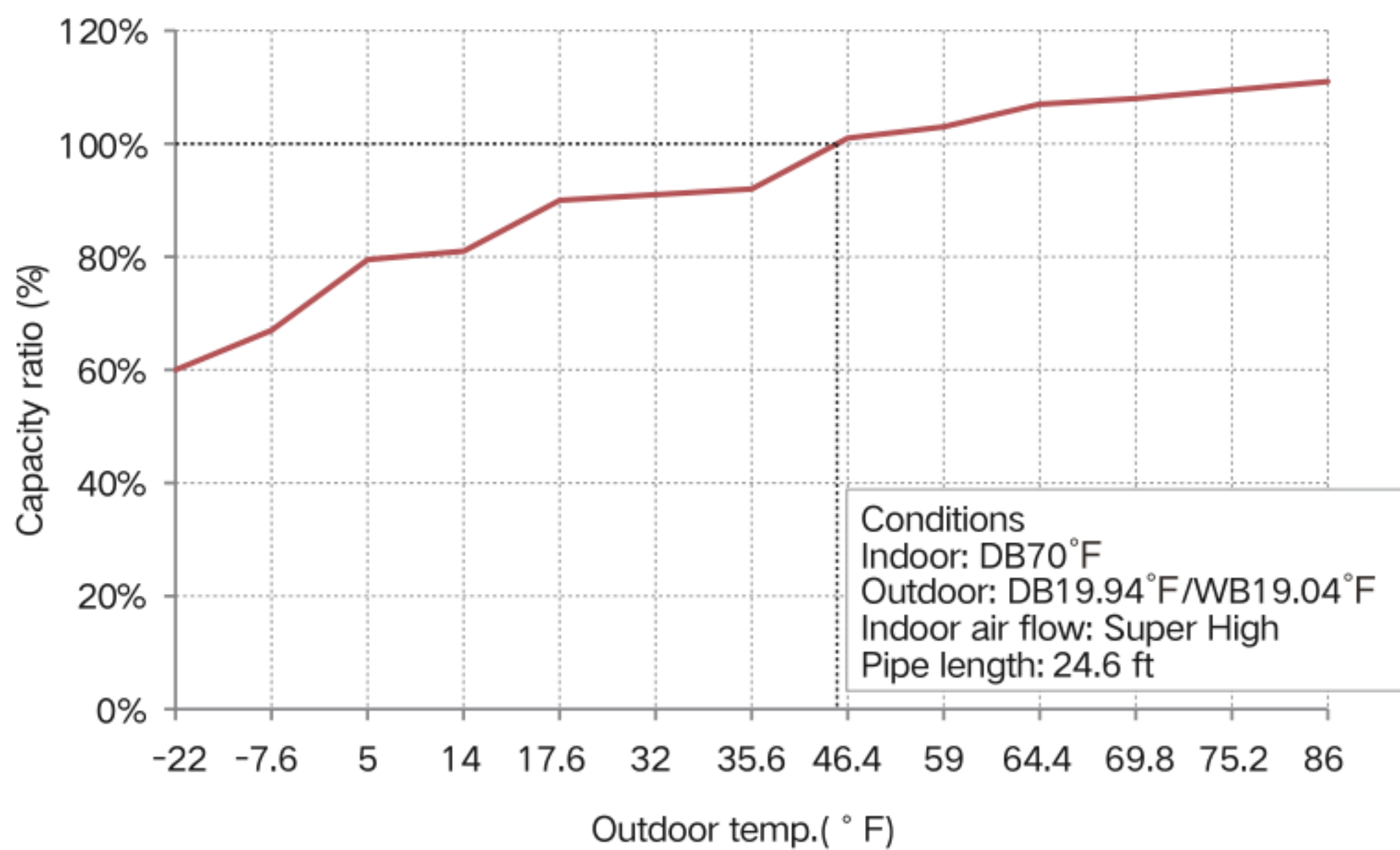


Capacity Variation Ratio According to Temperature

Cooling:

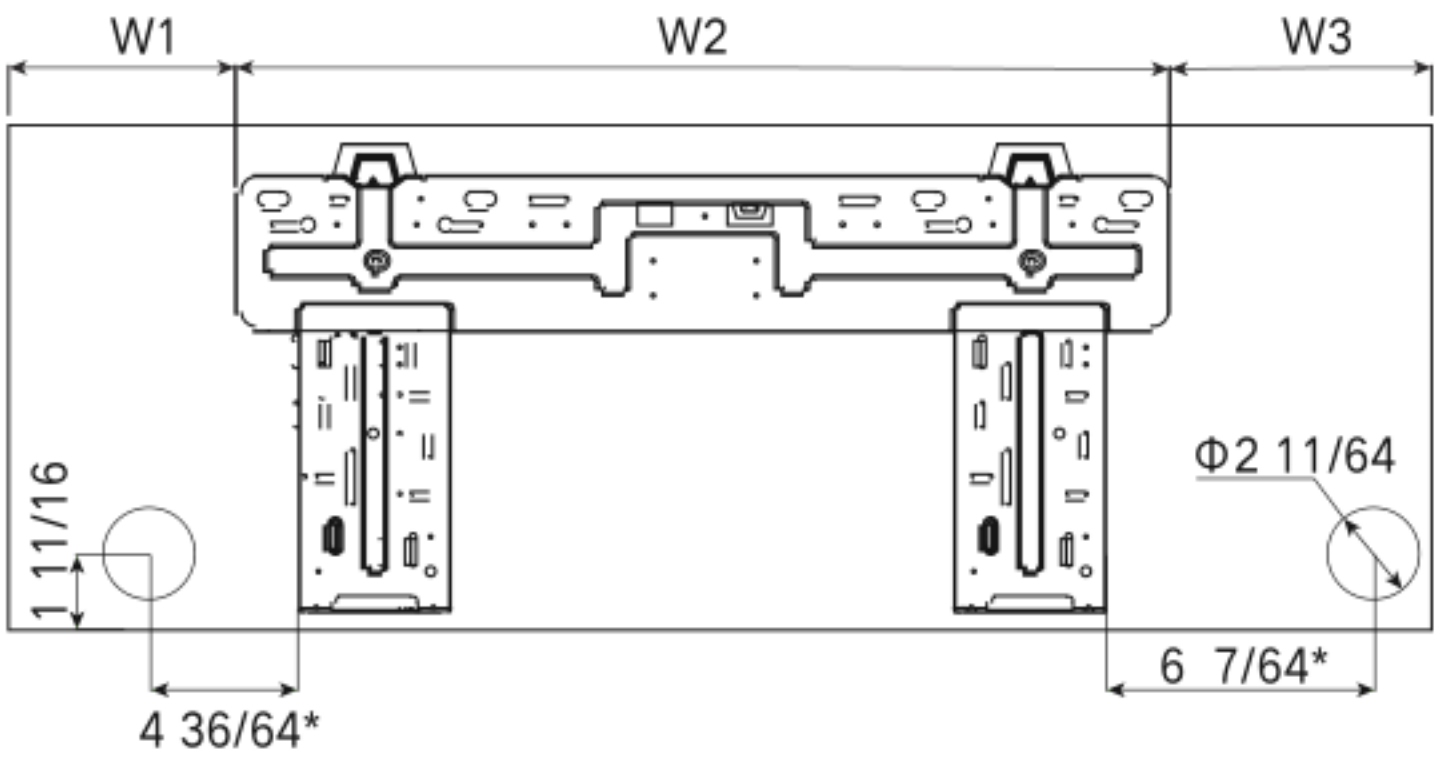
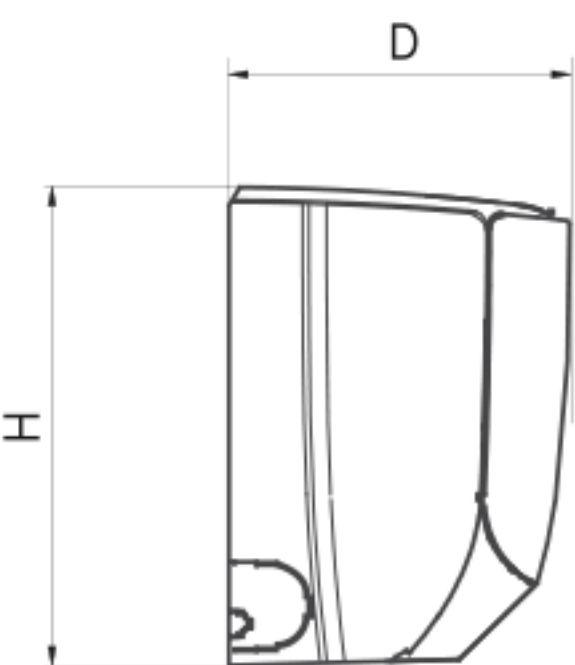
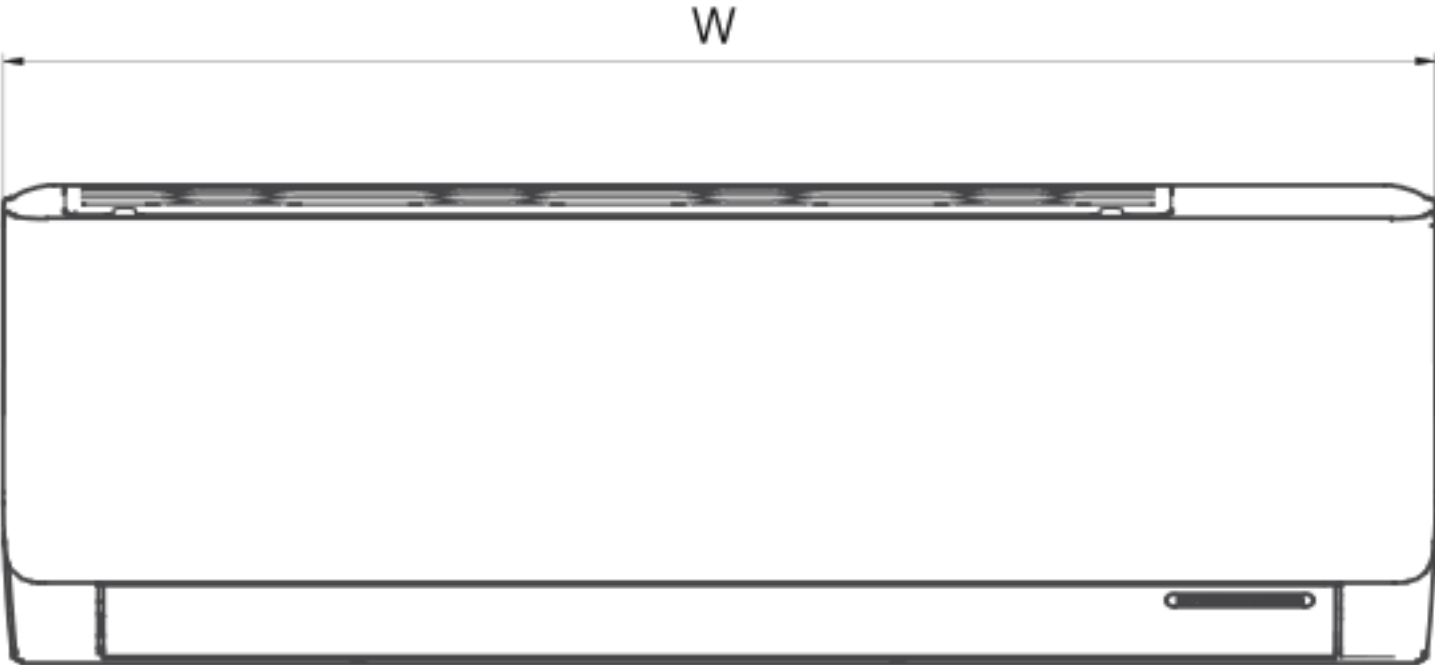


Heating:





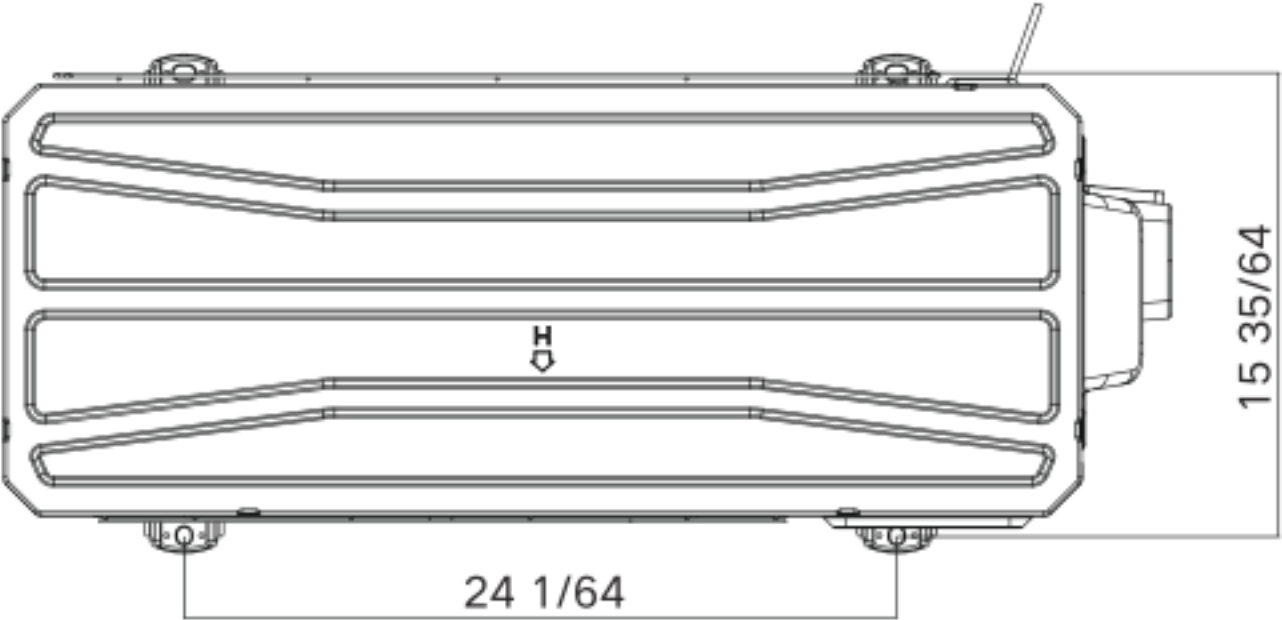
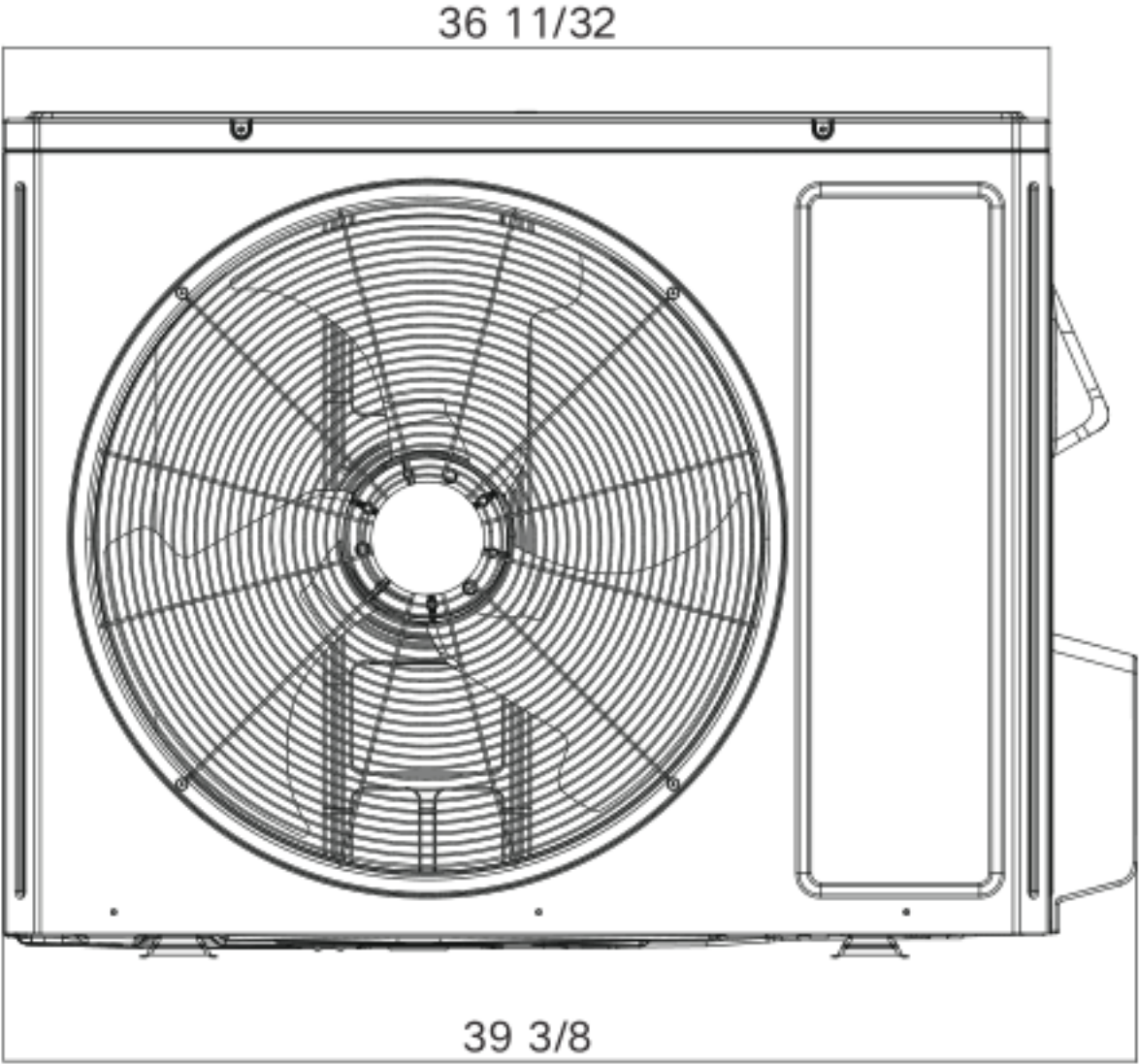
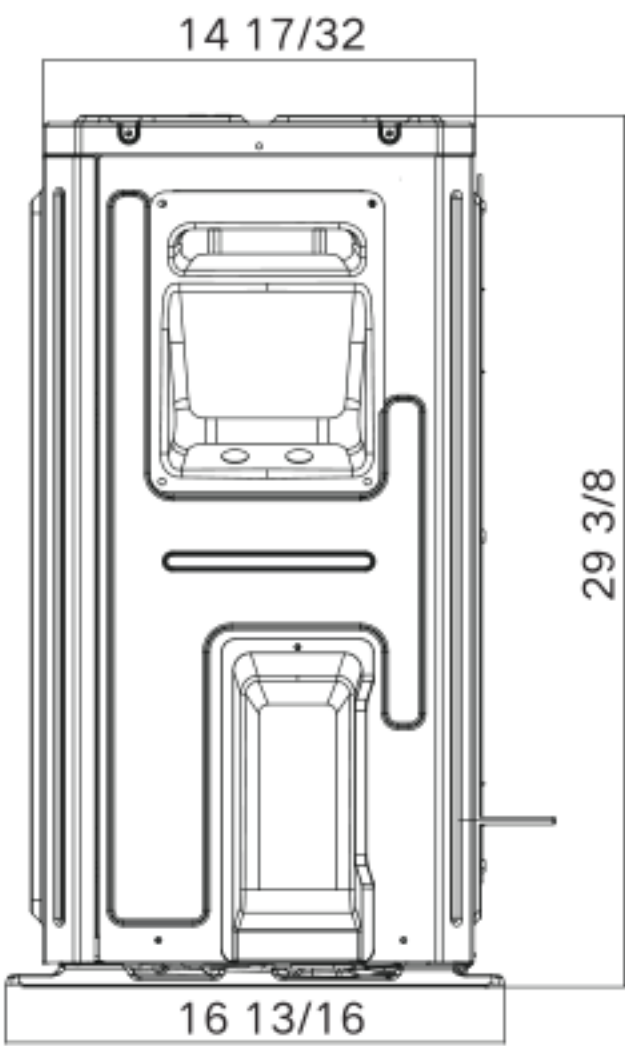
Outline Dimension Diagram



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

