



TOSOT

SUBMITTAL DATA

Single Zone 25 Seer 18KBTU 230V

Model: TWH18R32A1DI / TWH18PR32DO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



YAP1F7F



TWH18R32A1DI



TWH18PR32DO



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		TWH18R32A1D
Power Supply	VAC / Phase / Hertz	208-230/1/60
Power Supply Mode	-	Outdoor
Cooling Capacity	Btu/h	18000
Heating Capacity	Btu/h	18000
Cooling Power Input	W	1315
Heating Power Input	W	1349
Rated Input	W	2350
Rated Current	A	11.5
EER	(Btu/h)/W	13.65
COP	(Btu/h)/W	13.35
SEER	SEER2	24.5
HSPF	HSPF2	9
Air Flow Volume(H-L)	CFM	1000/589/500/441/412/383/353/324
Dehumidifying Volume	Pint/h	3.8
Application Area	sq ft	248-366
Controller Model	Remote	YBE1FB1F

Indoor Unit Model		TWH18R32A1DI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	φ106×739
Cooling Speed	r/min	1400/1200/1120/1050/980/860/750
Heating Speed	r/min	1400/1200/1120/1050/950/850/750
Fan Motor Power Output	W	50
Fan Motor RLA	A	0.6
Motor ratings	hp	0.07
Evaporator Form		Aluminum Fin-copper Tube
Evaporator Pipe Diameter	mm	φ7
Evaporator Row-fin Gap	mm	2-1.4
Evaporator Coil Length (L×D×W)	mm	745×25.4×342.9
Swing Motor Model	-	MP24AK/MP24BA/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)	48/43/41/39/37/33/29
Sound Power Level Cooling mode	dB (A)	58/53/51/49/47/43/39
Sound Pressure Level Heating mode	dB (A)	51/45/42/40/37/33/27
Sound Power Level Heating mode	dB (A)	61/55/52/50/47/43/37
Dimension (W x H x D)	inch	38 21/32x12 1/4x8 45/64
Net Weight	lb	28.7
Gross Weight	lb	34.2

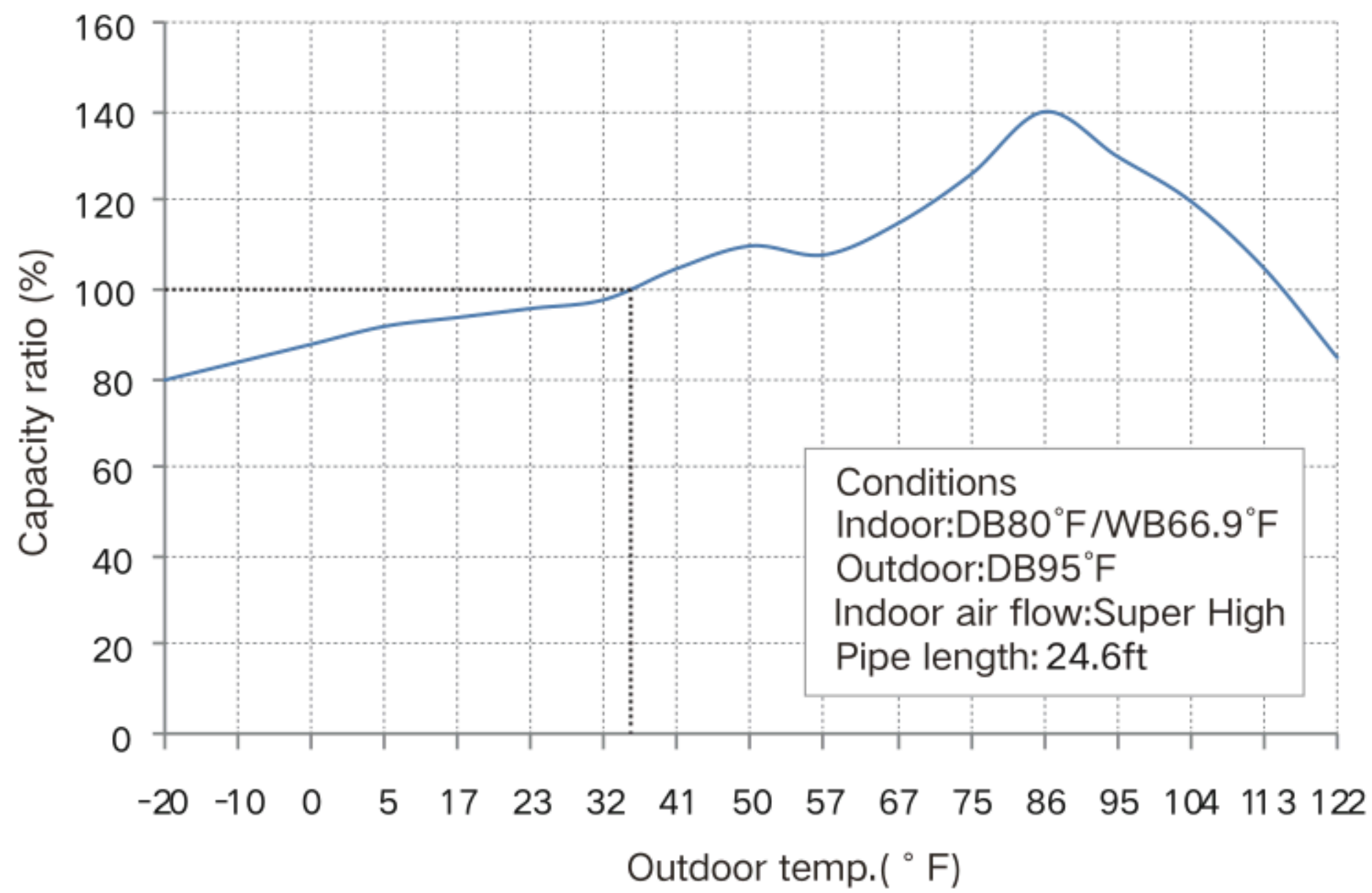
Outdoor Unit Model		TWH18PR32DO
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXF-M130zF170
Compressor Oil	-	FW68DA or equivalent
Compressor Type	-	Rotary
Compressor RLA	A	10.35
Compressor Power Input	W	1196
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	φ520
Fan Motor Speed	rpm	820
Fan Motor Power Output	W	60
Motor ratings	hp	0.08
Fan Motor RLA	A	1.35
Air Flow Volume	CFM	2119
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	890×38.1×616
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)	59
Sound Power Level (H)	dB (A)	69
Dimension (WxHxD)	inch	37 23/32x25 63/64x15 53/64
Outdoor Unit Net Weight	lb	94.8
Outdoor Unit Gross Weight	lb	104.7
Refrigerant	--	R32
Factory Refrigerant Charge	oz	40.6
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	82
Max Distance Length	ft	131.2

Functions				
Auto	Turbo	Quiet	Force Defrosting	Memory
Cooling	Temperature	I Feel	Energy Saving	Chassis Electric Heater Function
Heating	Soft Start	Intelligent Preheating	8°C Heating Mode	Filter Dirty Alarm
Dehumidify	Self-Diagnosis	Dry Anti-mildew Design	Turbo Cooling	Standby
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	Intelligent Defrosting
Horizontal Auto Swing	LED	Auto Fan		

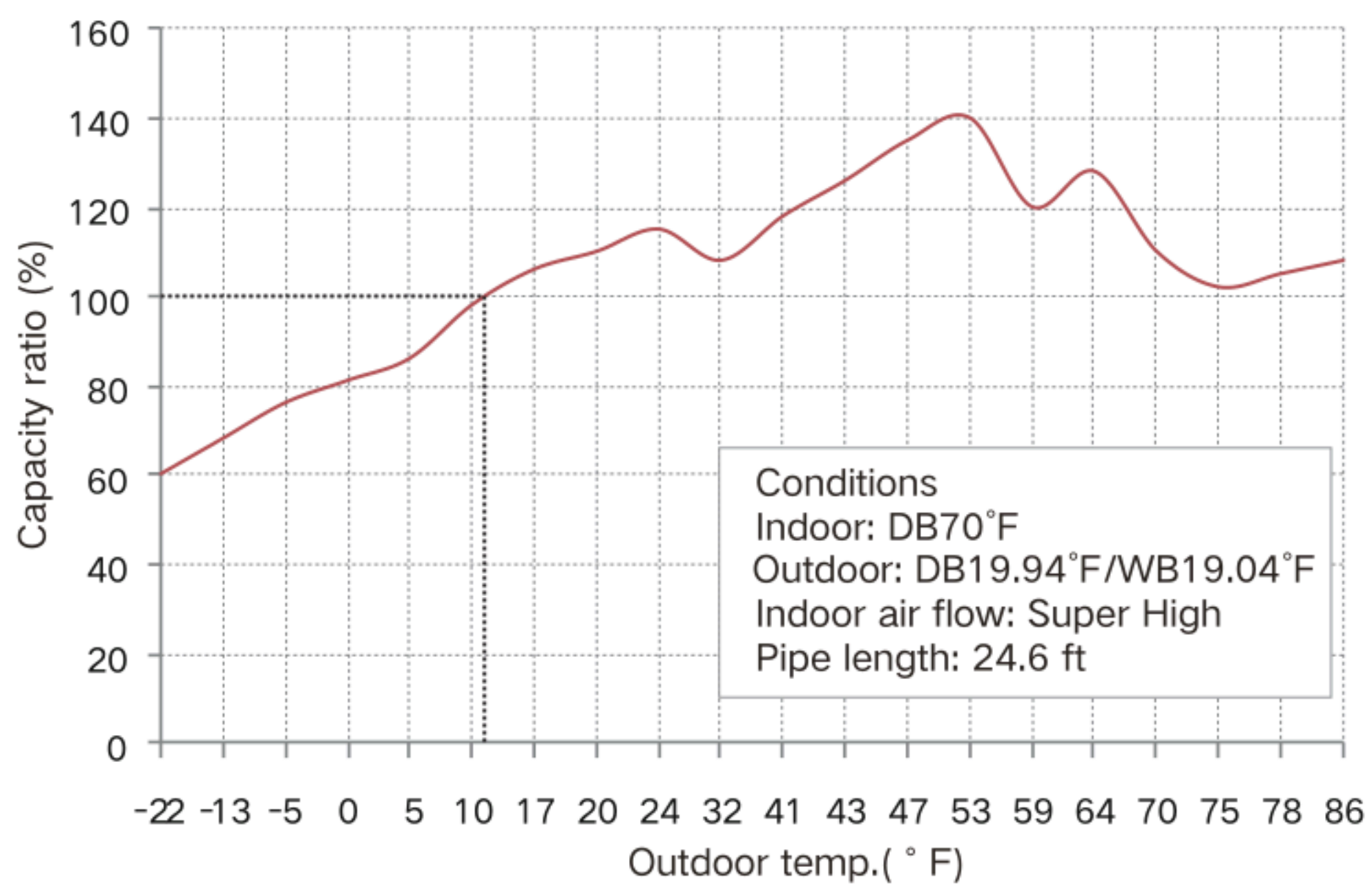


Capacity Variation Ratio According to Temperature

Cooling:



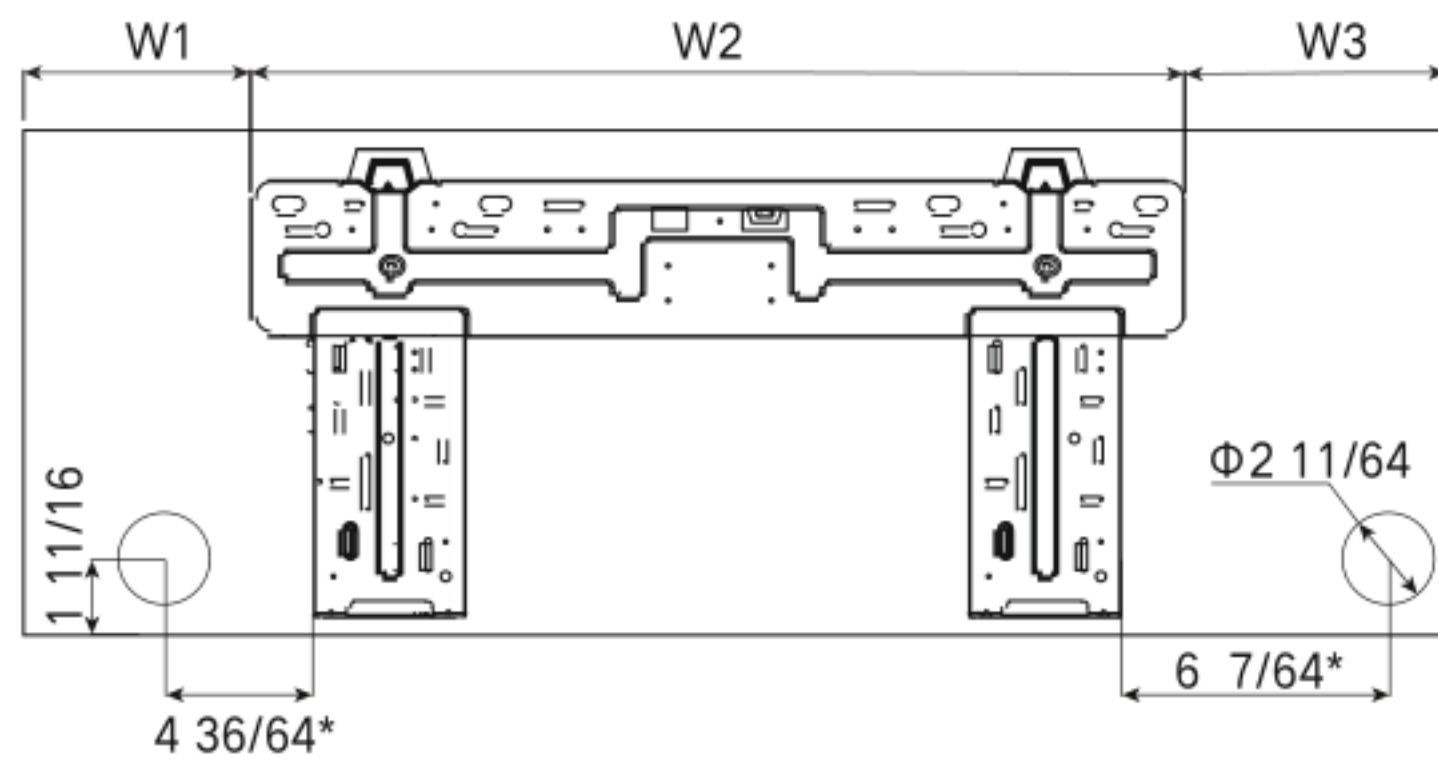
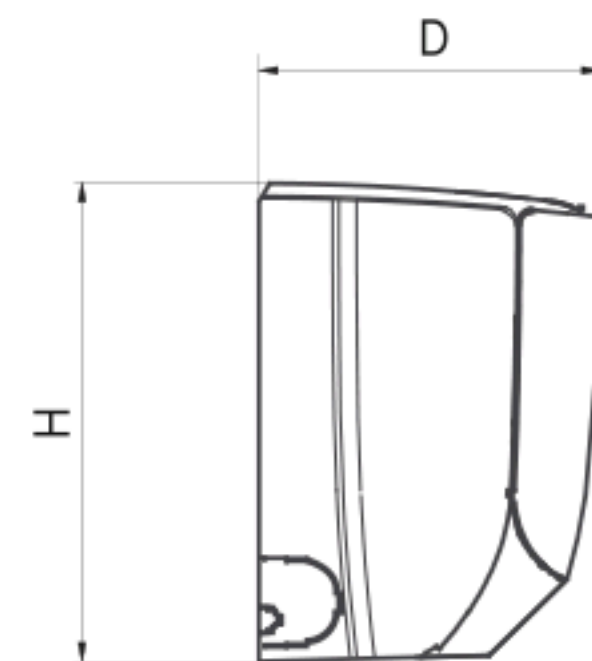
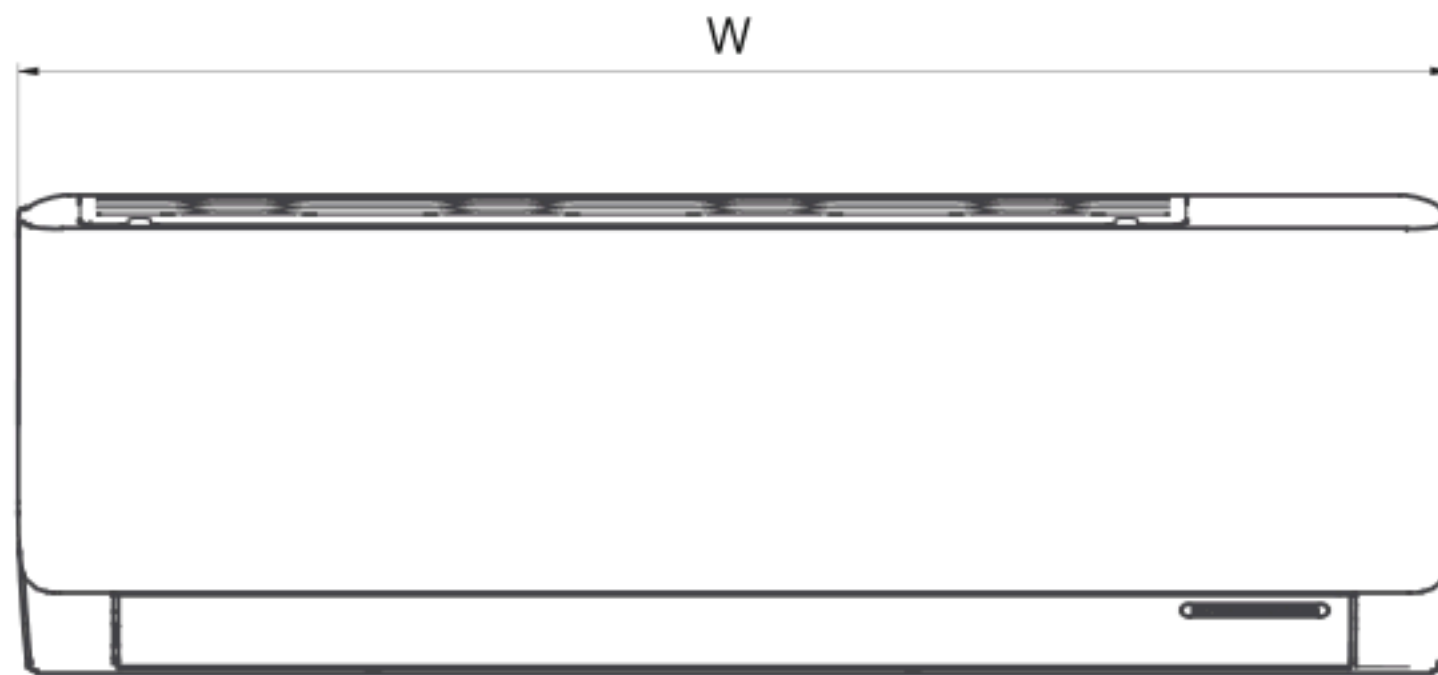
Heating:





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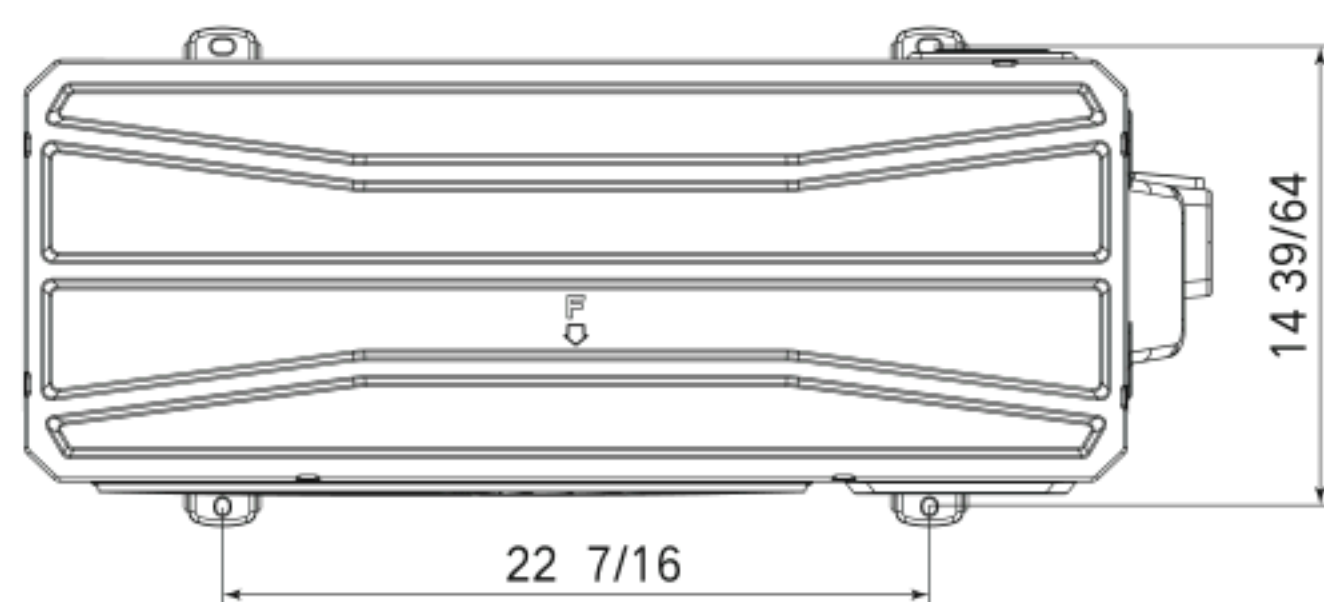
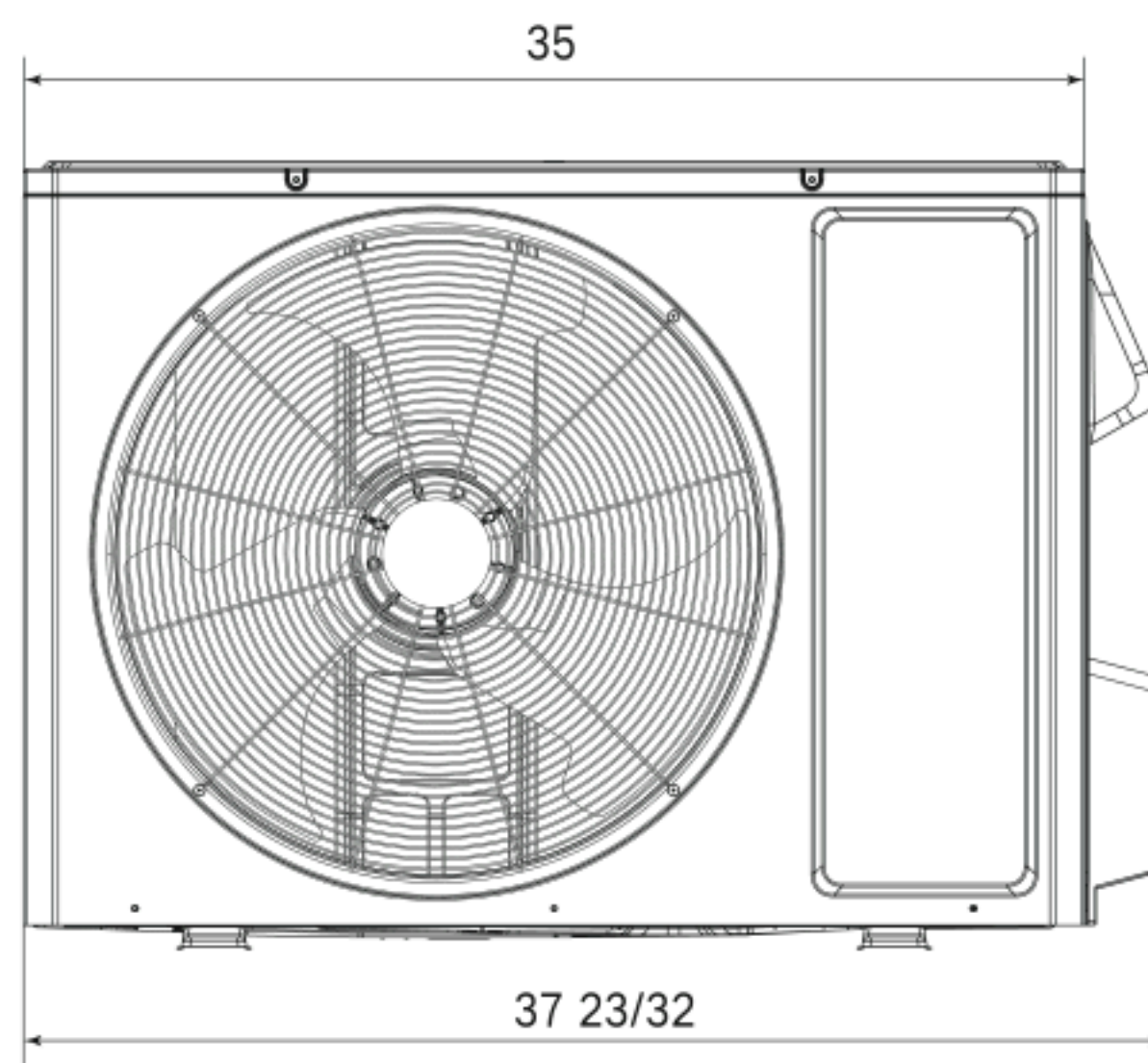
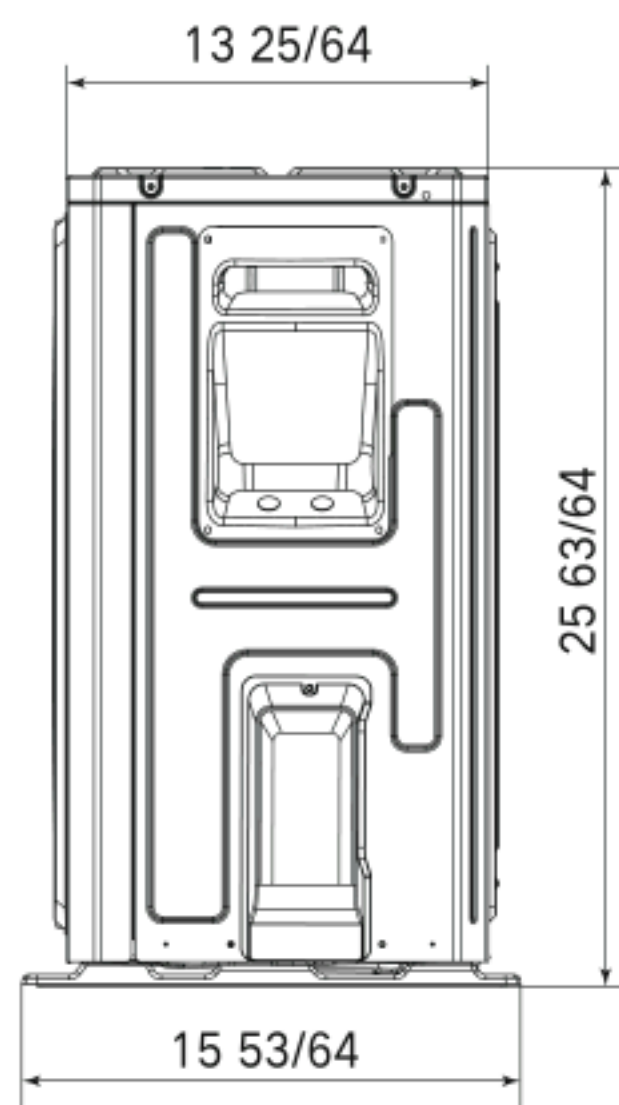
Outline Dimension Diagram



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

