



TOSOT

SUBMITTAL DATA

Single Zone Fresh Air 25 Seer 18KBTU 230V

Model: TWH18AUC25R32A1DI / TWH18AUC25R32A1DO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



YAP1F7F



TWH18AUC25R32A1DI



TWH18AUC25R32A1DO



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



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

1266 San Luis Obispo Ave, Hayward,
CA 94544



SPECIFICATIONS & FUNCTIONS:

Model		TWH18AUC25R32A1D
Power Supply	VAC / Ph / Hz	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	589/500/441/412/383/353/324
Dehumidifying Volume	Pint/h	3.8
Application Area	sq ft	248-366
Controller Model	Remote	YBE1FBF

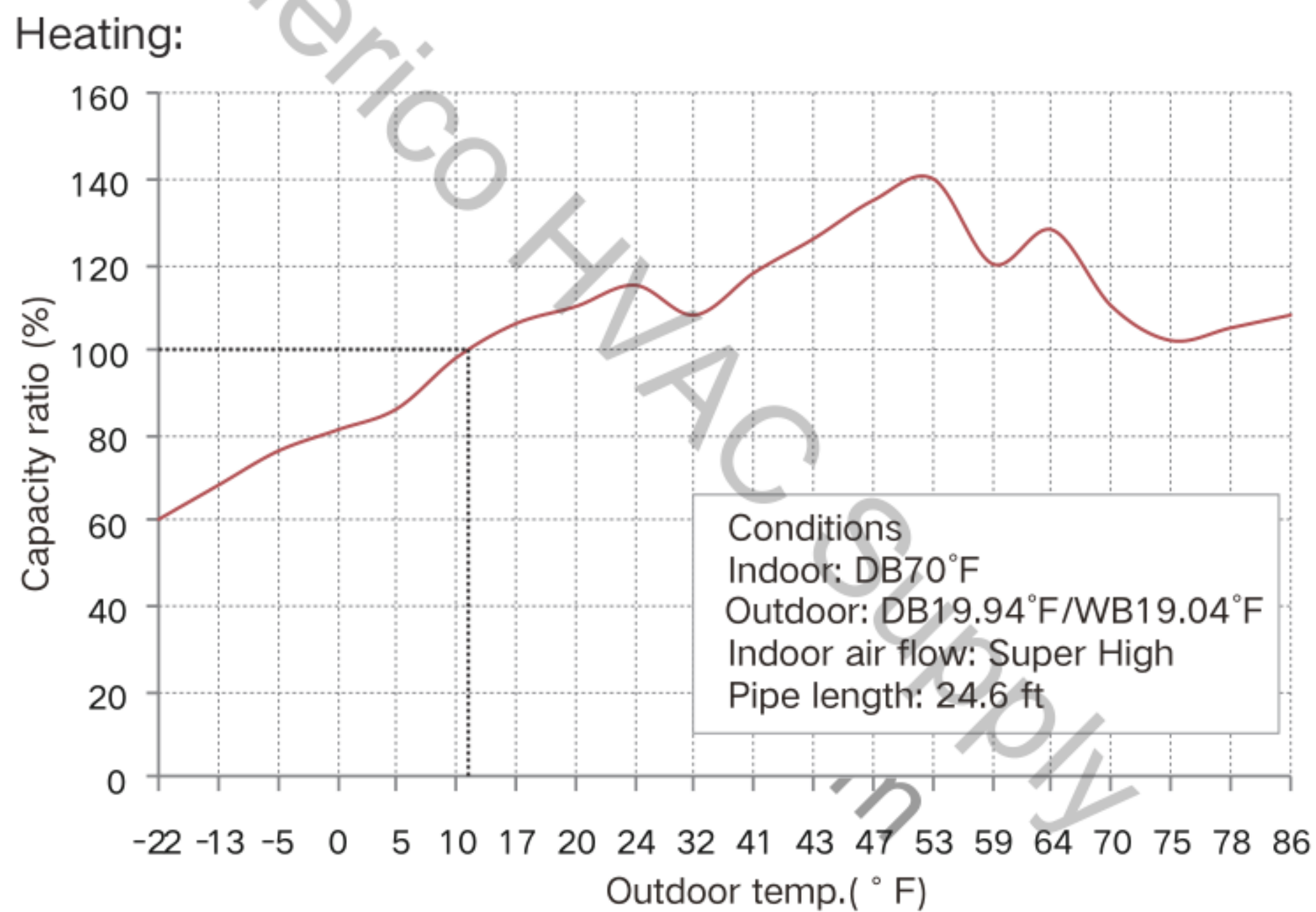
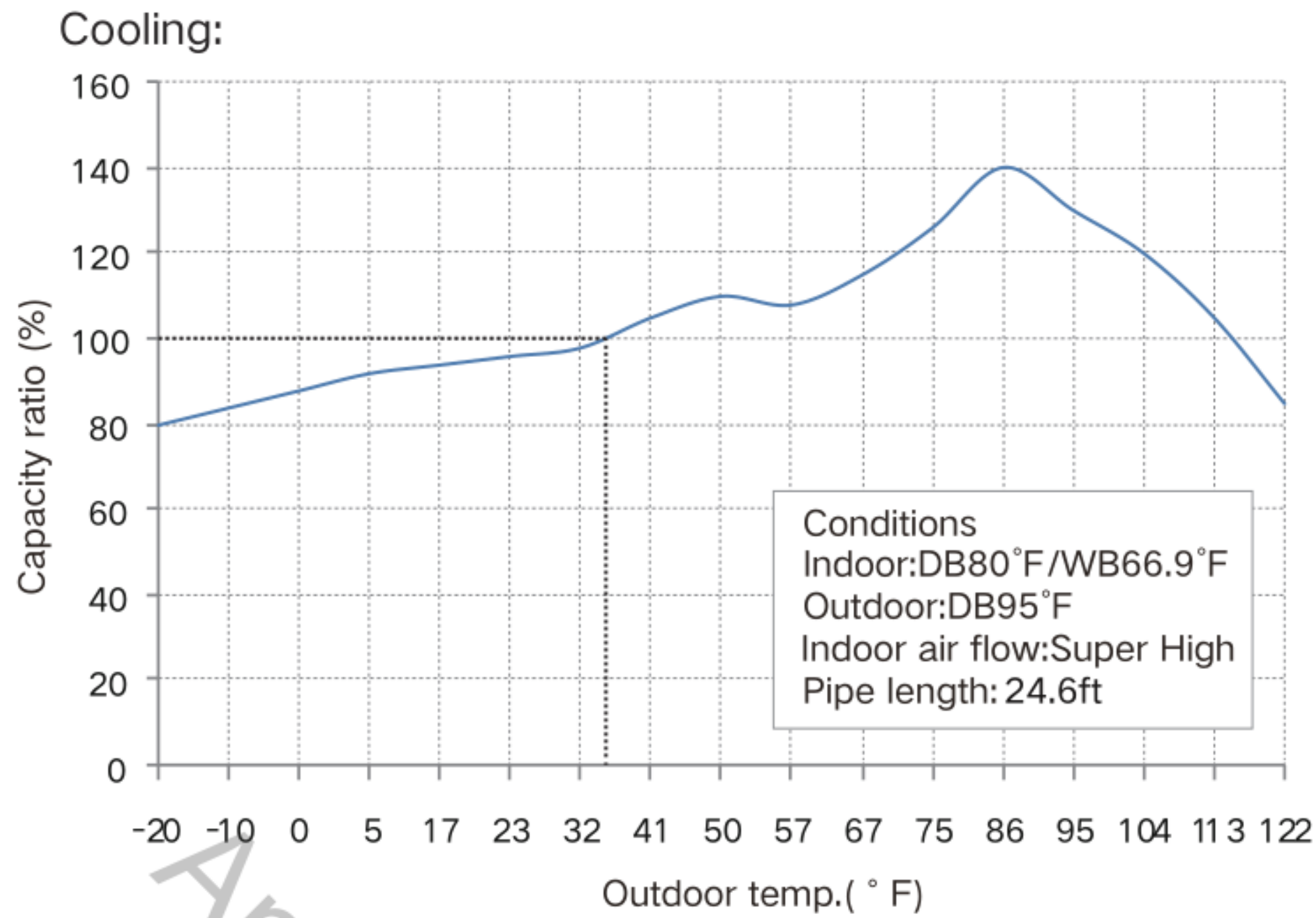
Indoor Unit Model		TWH18AUC25R32A1DI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	Φ106×739
Cooling Speed	r/min	1400/1200/1120/1050/980/860/750
Heating Speed	r/min	1400/1200/1120/1050/950/850/750
Fan Motor Power Output	W	50
Fan Motor RLA	A	0.6
Motor ratings	hp	0.07
Evaporator Form		Aluminum Fin-copper 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)	48/43/41/39/37/33/29/20
Sound Power Level Cooling mode	dB (A)	58/53/51/49/47/43/39/30/
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	39 6/64x12 16/64x8 47/64
Net Weight	lb	29.8
Gross Weight	lb	35.3

Outdoor Unit Model		TWH18AUC25R32A1DO
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.	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)	59
Sound Power Level (H)	dB (A)	69
Dimension (W×H×D)	inch	37 46/64/25 63/64/15 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	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



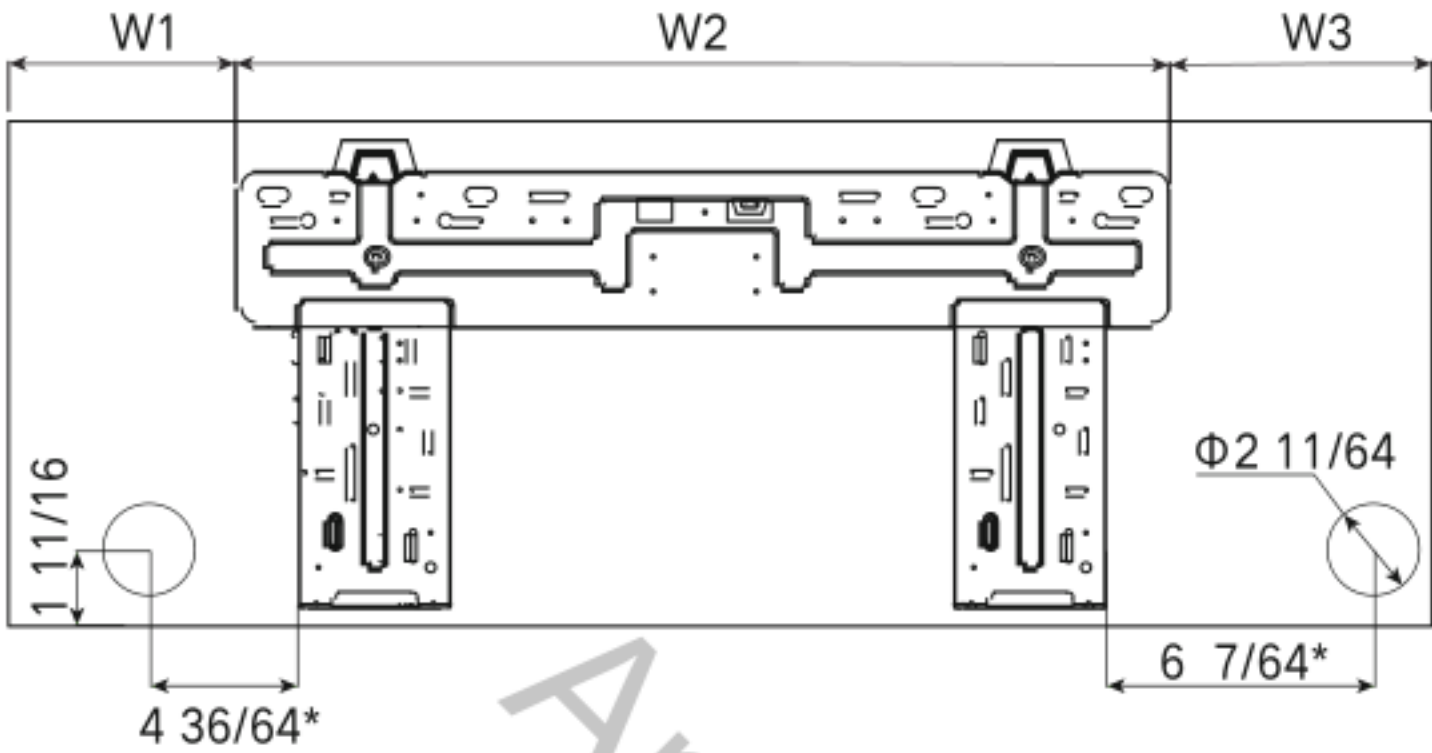
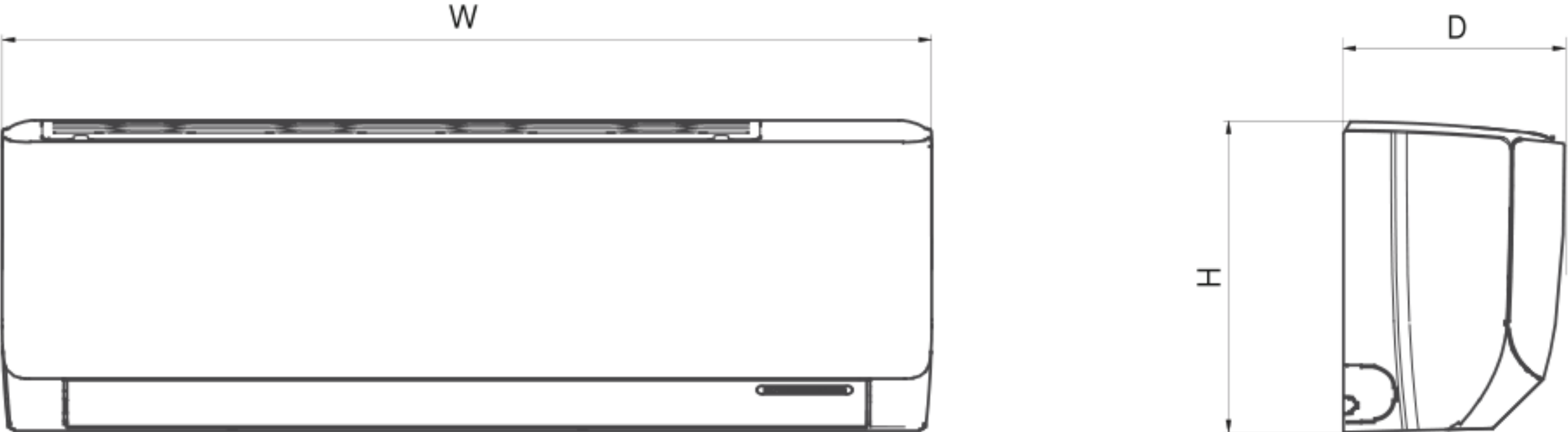
Capacity Variation Ratio According to Temperature





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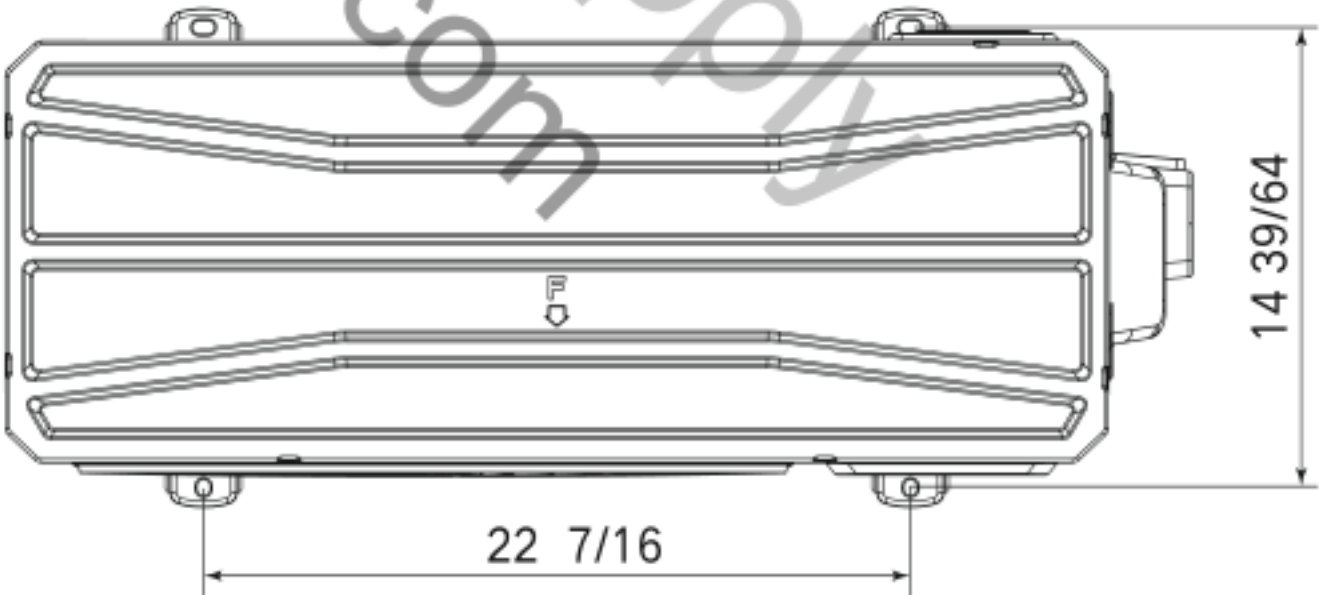
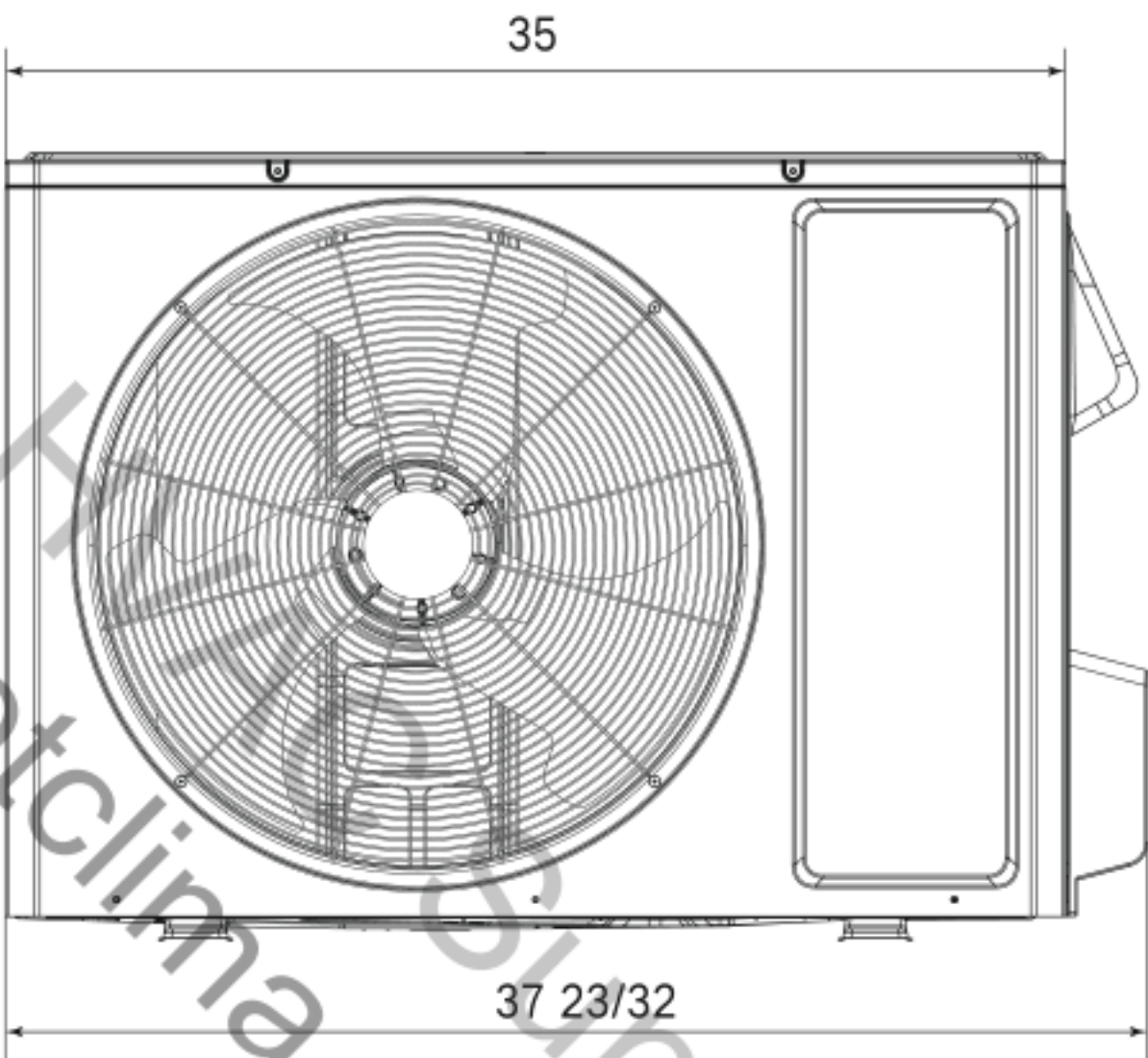
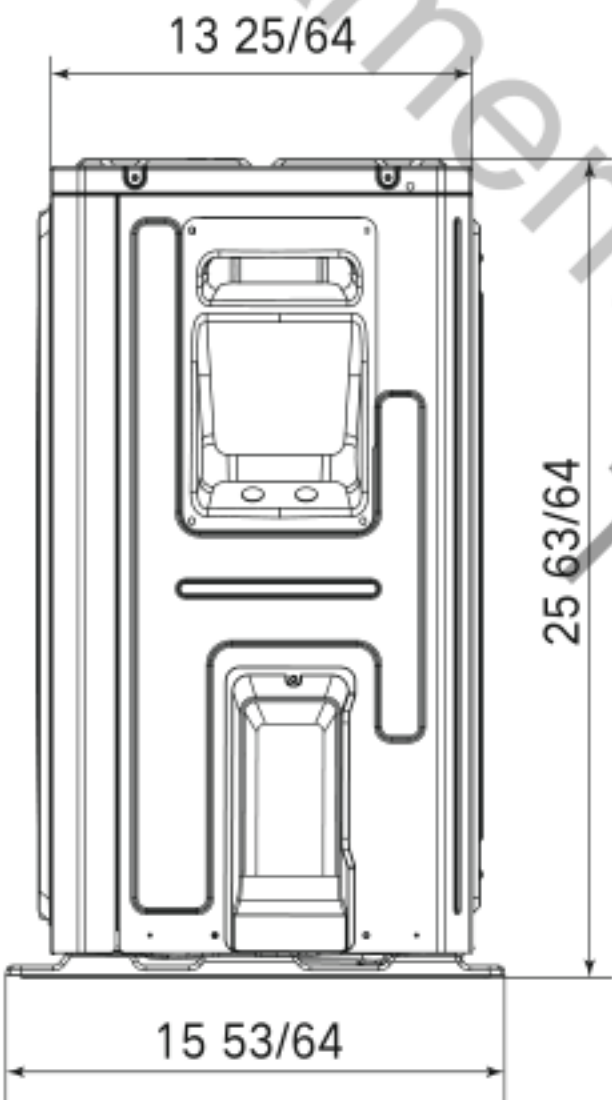
Outline Dimension Diagram



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

