



TOSOT

SUBMITTAL DATA

Single Zone 18 Seer 9KBTU 115V

Model: TWH09R32AI / TWH09R32AI

Job Name

Location

Date

Purchaser

Engineer

Submitted to

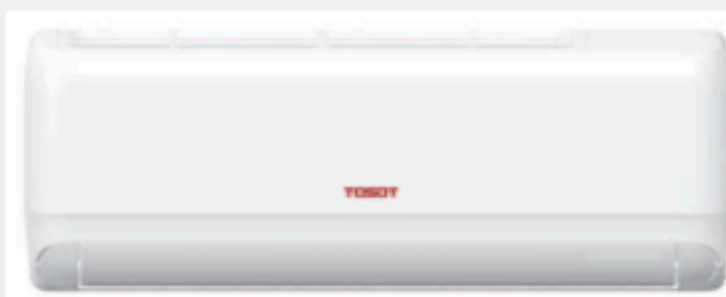
For

Unit Designation

Schedule No.



YAY1FF



TWH09R32AI



TWH09R32AI



XE71 (Optional)

GENERAL FEATURES:

- R32 Refrigerant
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wired Controller Options
- Wi-Fi Included
- Low Ambient Cooling down to 0°F (Range 0°F to 118°F)
- Low Ambient Heating down to -13°F (Range -13°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin

Americo HVAC Supply LLC



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SPECIFICATIONS & FUNCTIONS:

Model		TWH09ZR32A
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	763
Heating Power Input	W	837
Rated Input	W	1450
Rated Current	A	15.5
EER	(Btu/h)/W	11.9
COP	(Btu/h)/W	11.9
SEER	SEER2	18.5
HSPF	HSPF2	8.6
Air Flow Volume(H-L)	CFM	294/271/241/218/188/177/165
Dehumidifying Volume	Pint/h	1.69
Application Area	ft²	130-194
Controller Model	Remote	YAY1FF

Indoor Unit Model		TWH09R32AI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	Φ94×580
Cooling Speed	r/min	1300/1200/1050/920/800/750
Heating Speed	r/min	1300/1200/1050/950/850/800
Fan Motor Power Output	W	20
Fan Motor RLA	A	0.39
Motor ratings	hp	0.03
Fan Motor Capacitor	μF	4
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	584×22.8×266.7
Swing Motor Model	-	MP24HF
Swing Motor Power Output	W	1.5
Fuse Current	A	3.15
Set Temperature Range	°F	61 ~ 86
Sound Pressure Level Cooling mode	dB (A)	40/37/35/33/29/25/23
Sound Power Level Cooling mode	dB (A)	50/47/45/43/39/35/33
Sound Pressure Level Heating mode	dB (A)	39/36/33/31/28/25/23
Sound Power Level Heating mode	dB (A)	49/46/43/41/38/35/33
Dimension (W x H x D)	inch	32 51/64 × 10 15/64 × 7 36/64
Dimension of Carton Box (L)	inch	34 26/64 × 12 28/64 × 10
Dimension of Package(L)	inch	34 46/64 × 13 5/64 × 10 28/64
Net Weight	lb	17.6
Gross Weight	lb	20.9

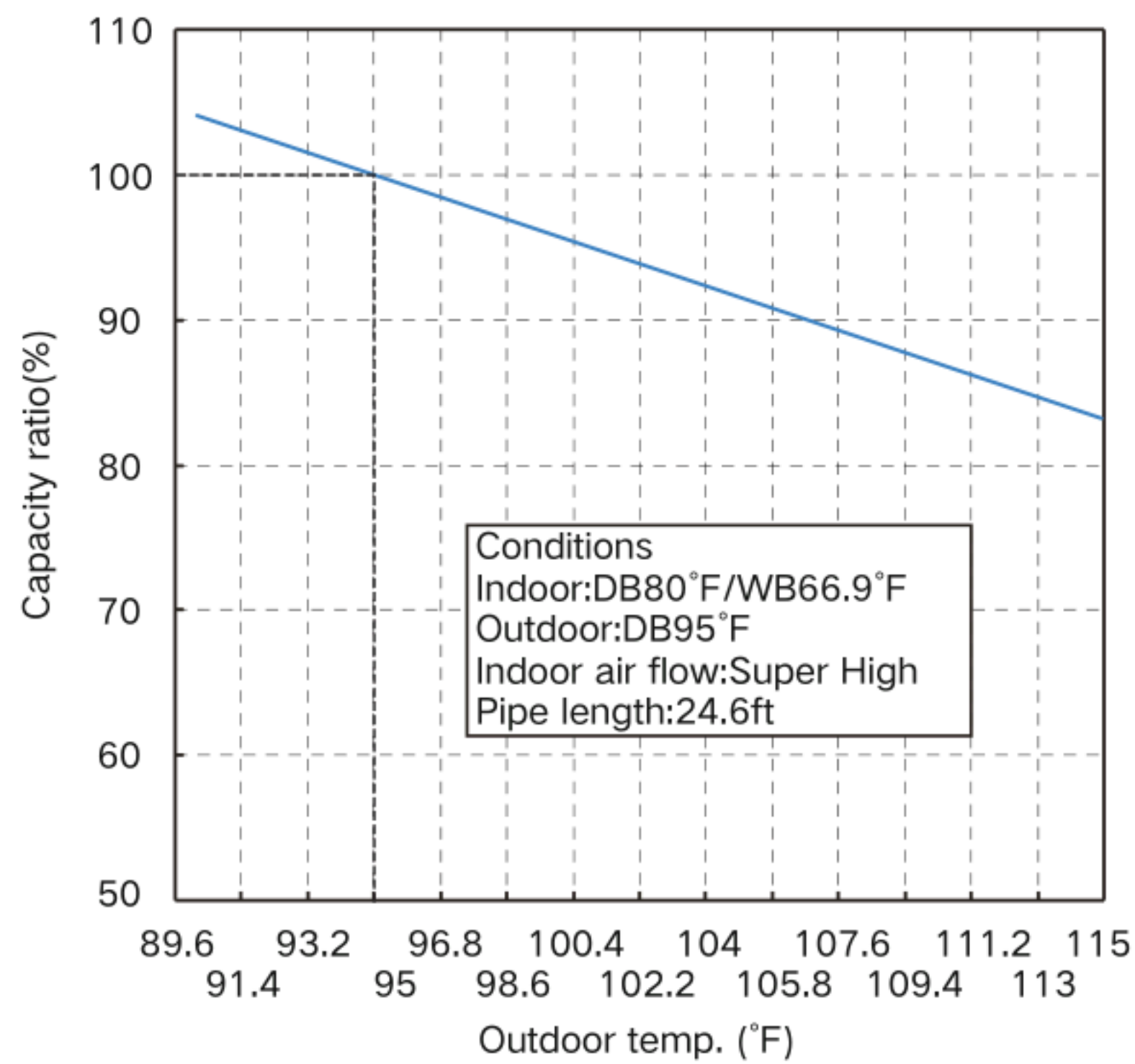
Outdoor Unit Model		TWH09R32AI
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXF-N082zC170
Compressor Oil	-	RB68GX or equivalent
Compressor Type	-	Rotary
Compressor LRA	A	
Compressor RLA	A	13.7
Compressor Power Input	W	630
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	400
Fan Motor Speed	rpm	850
Fan Motor Power Output	W	30
Motor ratings	hp	0.04
Fan Motor RLA	A	0.61
Air Flow Volume	CFM	1148
Condenser Form	-	Aluminum Fin-copper Tube
Condenser Pipe Diameter	mm	φ7
Condenser Rows-fin Gap	mm	1-1.2
Condenser Coil Length (L×D×W)	mm	666×19.05×527
Permissible Excessive Operating Pressure for the Discharge Side		624 P.S.I.G
Permissible Excessive Operating Pressure for the Suction Side		363 P.S.I.G
Maximum Allowable Pressure		856 P.S.I.G
Cooling Operation Ambient Temperature Range	°F	0~118
Heating Operation Ambient Temperature Range	°F	-13~75
Metering Device	-	Capillary
Defrosting Method	-	Automatic
Outdoor Unit Sound Pressure Level (H)	dB (A)	51
Outdoor Unit Sound Power Level (H)	dB (A)	61
Dimension (WxHxD)	inch	28 52/64x21 54/64x12 63/64
Dimension of Carton Box (LxWxH)	inch	31 9/64x14 44/64x23 15/64
Dimension of Package (LxWxH)	inch	31 17/64x14 51/64x24 14/64
Outdoor Unit Net Weight	lb	55.1
Outdoor Unit Gross Weight	lb	60.6
Refrigerant	--	R32
Factory Refrigerant Charge	oz	18.7
Connection Pipe Length	ft	24.6
Connection Pipe Gas	oz/ft.	0.2
Additional Charge		
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	Turbo	Intelligent Preheating	8°C Heating Mode	Auto Fan
Cooling	Temperature	Dry Anti-mildew Design	Turbo Cooling	Quiet
Heating	Soft Start	Several Optional Filters	Low Ambient Cooling	I Feel
Dehumidify	Self-Diagnosis	Auto Clean	Low Ambient Heating	Intelligent Defrosting
Air Flow	Lock	Timer Feature	Low Voltage Startup	Force Defrosting
Three Kinds of Sleep Mode	Compressor Electric Heater Function	Memory	Standby	Energy Saving
Vertical Auto Swing	LCD (Back Light)	Chassis Electric Heater Function	Multi Speeds	
Horizontal Auto Swing	LED	WIFI		

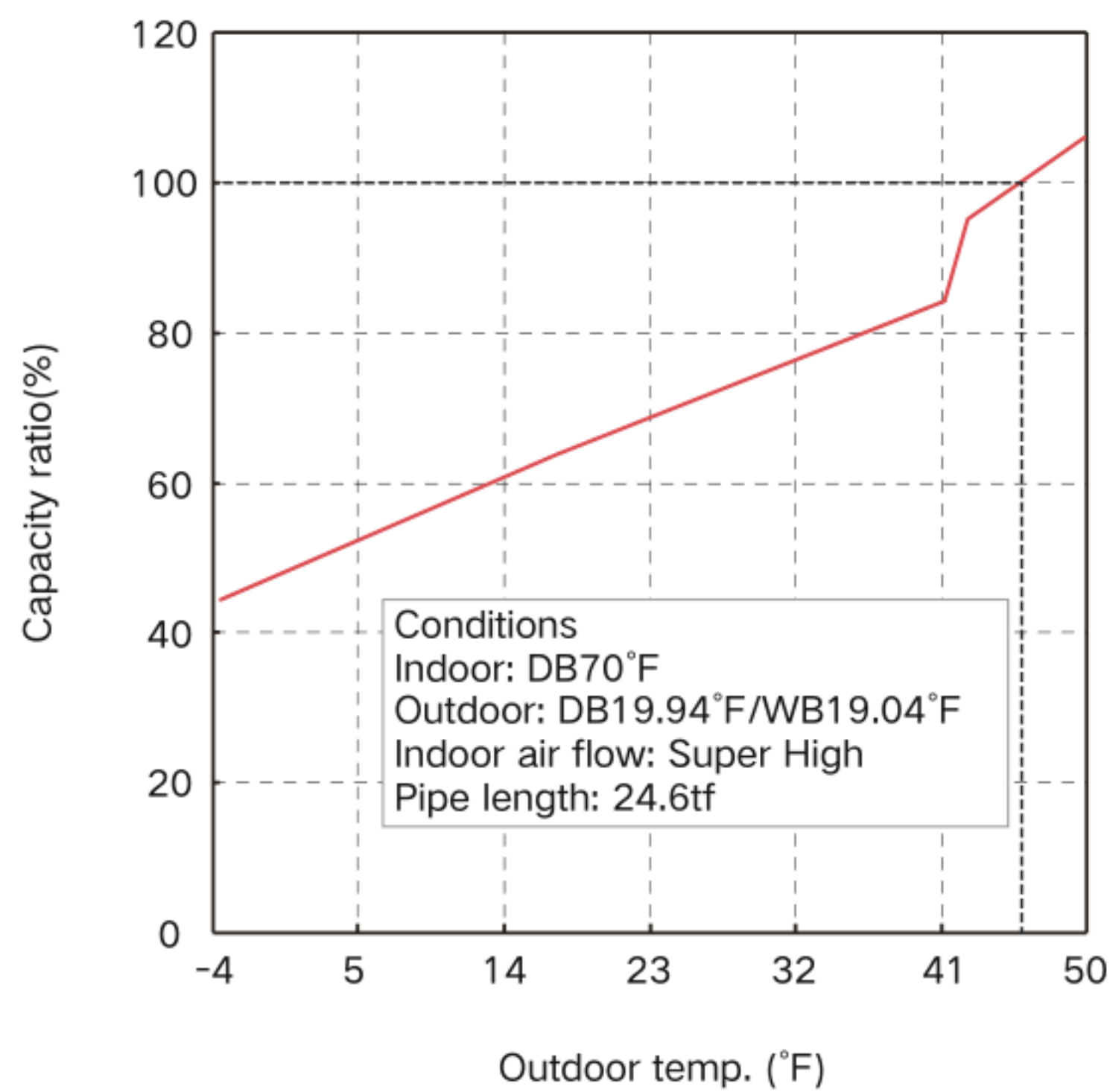


Capacity Variation Ratio According to Temperature

Cooling

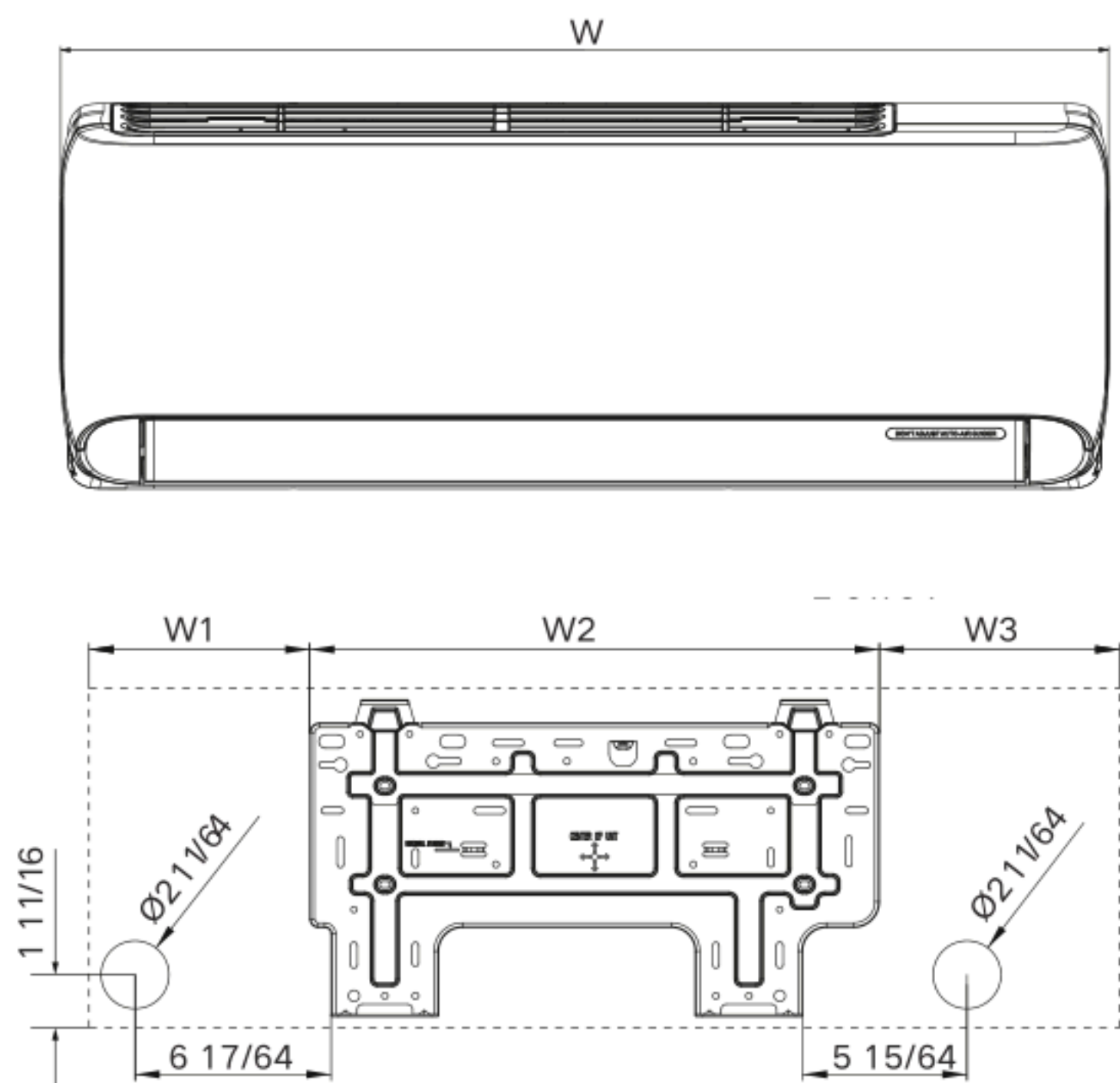


Heating



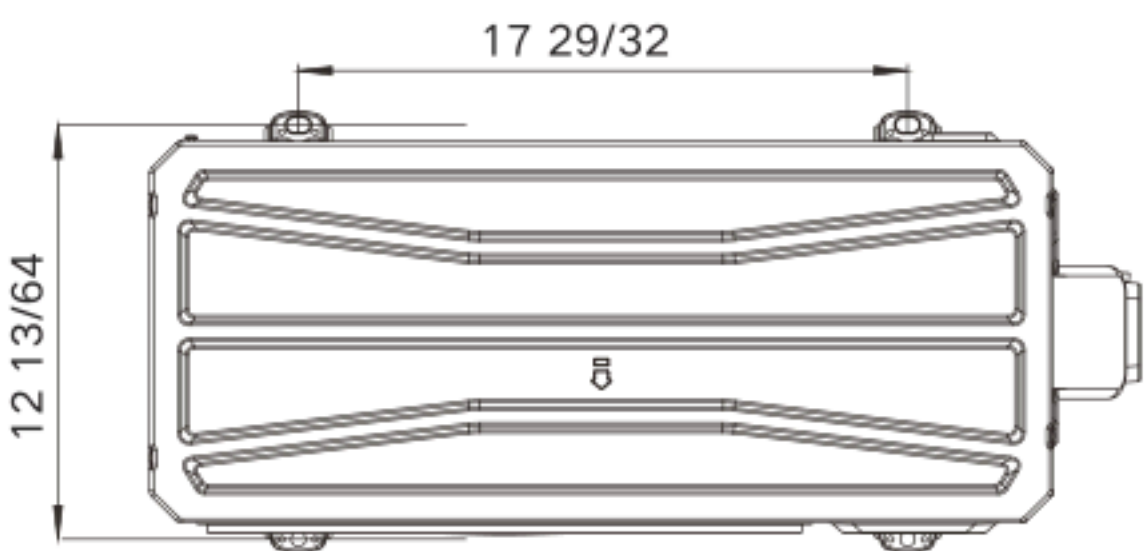
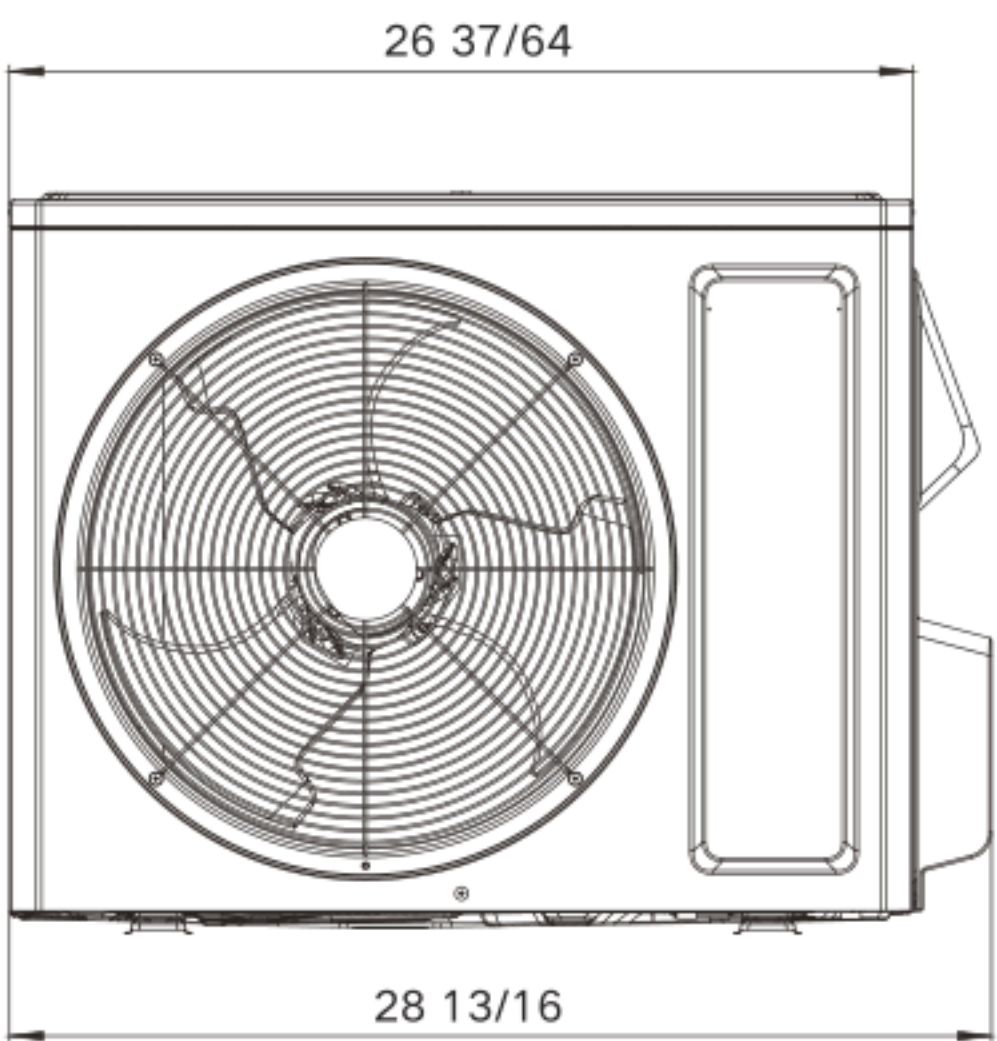
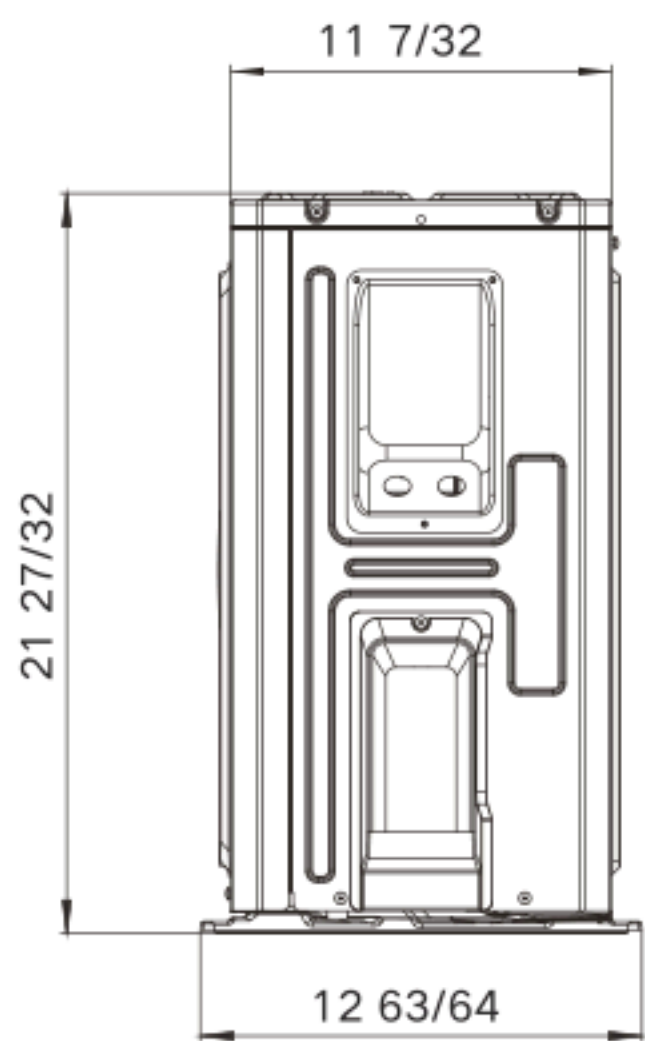


Outline Dimension Diagram



Unit: inch

Model	W	H	D
ATC	32 7/8	10 53/64	7 7/8
	W1	W2	W3
	7 3/64	18 5/32	7 11/16



Unit:inch



TQSDT

Installation Dimension Diagram

