



TOSOT

SUBMITTAL DATA

Single Zone 20 Seer 18KBTU 230V

Model: TWH18R32DSI / TWH18R32DO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

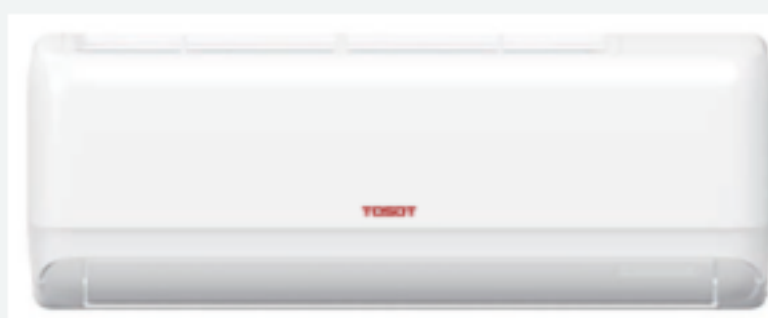
For

Unit Designation

Schedule No.



YAP1F7F



TWH18R32DSI



TWH18R32DO



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 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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SPECIFICATIONS & FUNCTIONS:

Model		TWH18R32D
Power Supply	VAC / Phase / Hertz	208-230/1/60
Power Supply Mode	-	Outdoor
Cooling Capacity	Btu/h	18000
Heating Capacity	Btu/h	19100
Cooling Power Input	W	1500
Heating Power Input	W	1435
Rated Input	W	2300
Rated Current	A	9.5
EER	(Btu/h)/W	12.35
COP	(Btu/h)/W	13.31
SEER	SEER2	20
HSPF	HSPF2	8.5
Air Flow Volume(H-L)	CFM	1050/618/512/471/435/394/335/282
Dehumidifying Volume	Pint/h	3.8
Application Area	sq ft	248-366
Controller Model	Remote	YBE1FB1F

Indoor Unit Model		TWH18R32DSI
Fan Type	-	Cross-flow
Fan Diameter Length (D×L)	mm	Φ108x691
Cooling Speed	r/min	1350/1200/1120 /1050/980/860/750
Heating Speed	r/min	1350/1200/1120/ 1050/950/850/750
Fan Motor Power Output	W	50
Fan Motor RLA	A	0.7
Motor ratings	hp	0.067
Evaporator Form	Aluminum Fin-copper Tube	
Evaporator Pipe Diameter	mm	Φ5
Evaporator Row-fin Gap	mm	2-1.2
Evaporator Coil Length (L×D×W)	mm	700×22.8×381
Swing Motor Model	-	MP35CJ/MP24HF
Swing Motor Power Output	W	2.5/1.5
Fuse Current	A	3.15
Set Temperature Range	°F	61 ~ 86
Sound Pressure Level Cooling mode	dB (A)	53/49/46/44/42/38/34
Sound Power Level Cooling mode	dB (A)	63/59/56/54/52/48/44
Sound Pressure Level Heating mode	dB (A)	49/46/44/41/38/35/30
Sound Power Level Heating mode	dB (A)	59/56/54/51/48/45/40
Dimension (W x H x D)	inch	37 1/8x13 7/64x9 11/16
Net Weight	lb	28.7
Gross Weight	lb	34.2

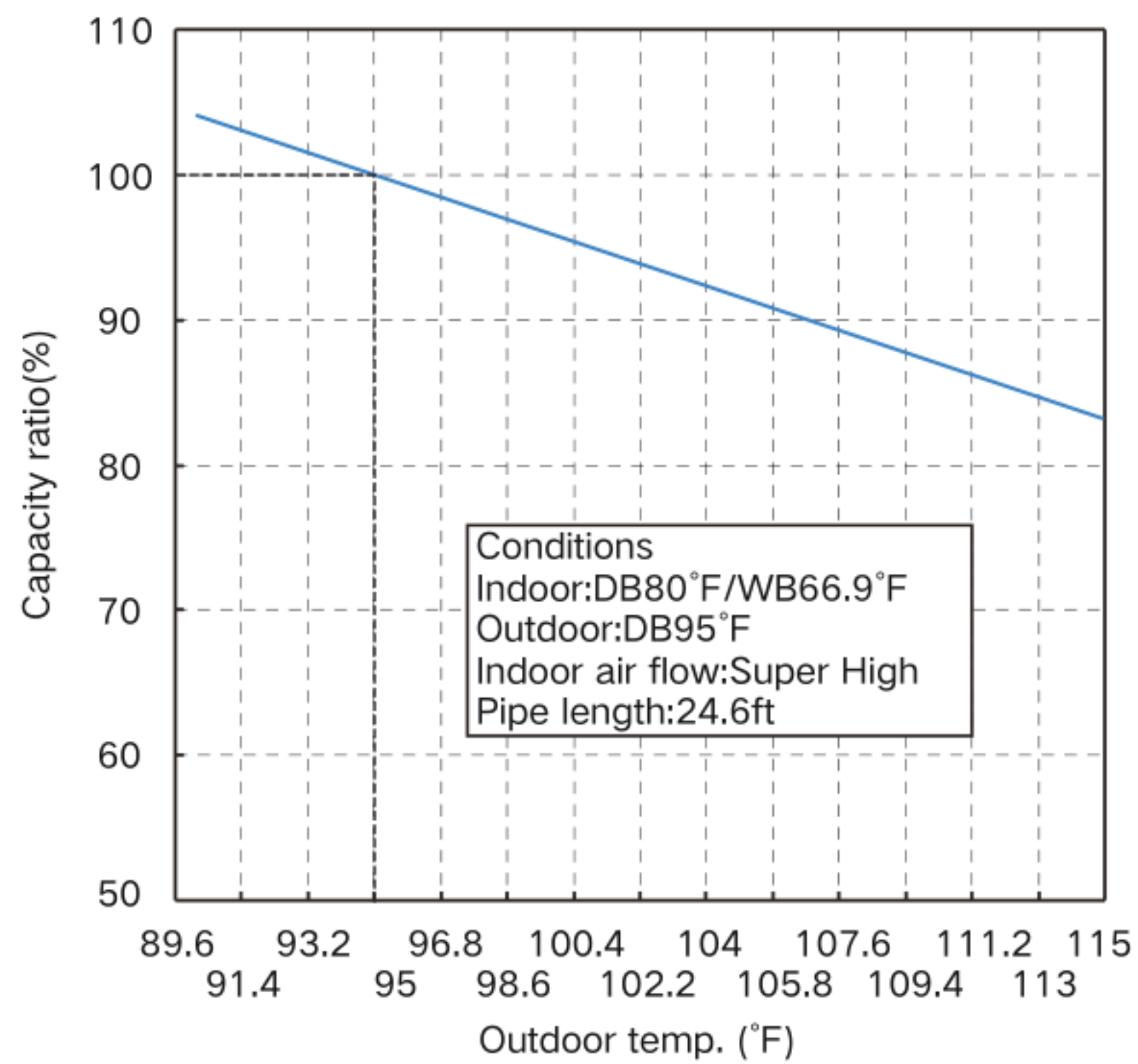
Outdoor Unit Model		TWH18R32DO
Compressor Manufacturer	-	LANDA
Compressor Model	-	QXF-A120zF170
Compressor Oil	-	ZE-GLES RB68GX
Compressor Type	-	Rotary
Compressor RLA	A	8.5
Compressor Power Input	W	953
Outdoor Unit Fan Type	-	Axial-flow
Outdoor Unit Fan Diameter	mm	420
Fan Motor Speed	rpm	940
Fan Motor Power Output	W	30
Motor ratings	hp	0.04
Fan Motor RLA	A	0.8
Air Flow Volume	CFM	1483
Condenser Form	Aluminum Fin-copper Tube	
Condenser Pipe Diameter	mm	Φ7.94
Condenser Rows-fin Gap	mm	2-1.4
Condenser Coil Length (L×D×W)	mm	761.5×38.1×528
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	0 ~ 118
Heating Operation Ambient Temperature Range	°F	-13~75
Metering Device	-	Capillary
Defrosting Method	-	Automatic Defrosting
Sound Pressure Level (H)	dB (A)	57
Sound Power Level (H)	dB (A)	67
Dimension (WxHxD)	inch	31 37/64x21 27/32x13 25/32
Outdoor Unit Net Weight	lb	70.6
Outdoor Unit Gross Weight	lb	76.1
Refrigerant	--	R32
Factory Refrigerant Charge	oz	32.5
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	32.8
Max Distance Length	ft	82

Functions				
Auto	Turbo	Auto Fan	Intelligent Defrosting	Clock
Cooling	Temperature	Quiet	Force Defrosting	Memory
Heating	Soft Start	I Feel	Energy Saving	Chassis Electric Heater Function
Dehumidify	Self-Diagnosis	Intelligent Preheating	8°C Heating Mode	WIFI
Air Flow	Lock	Dry Anti-mildew Design	Turbo Cooling	Multi Speeds
Three Kinds of Sleep Mode	LCD (Back Light)	Several Optional Filters	Low Ambient Cooling	Horizontal Auto Swing
Vertical Auto Swing	LED	Auto Clean	Low Ambient Heating	Low Voltage Startup

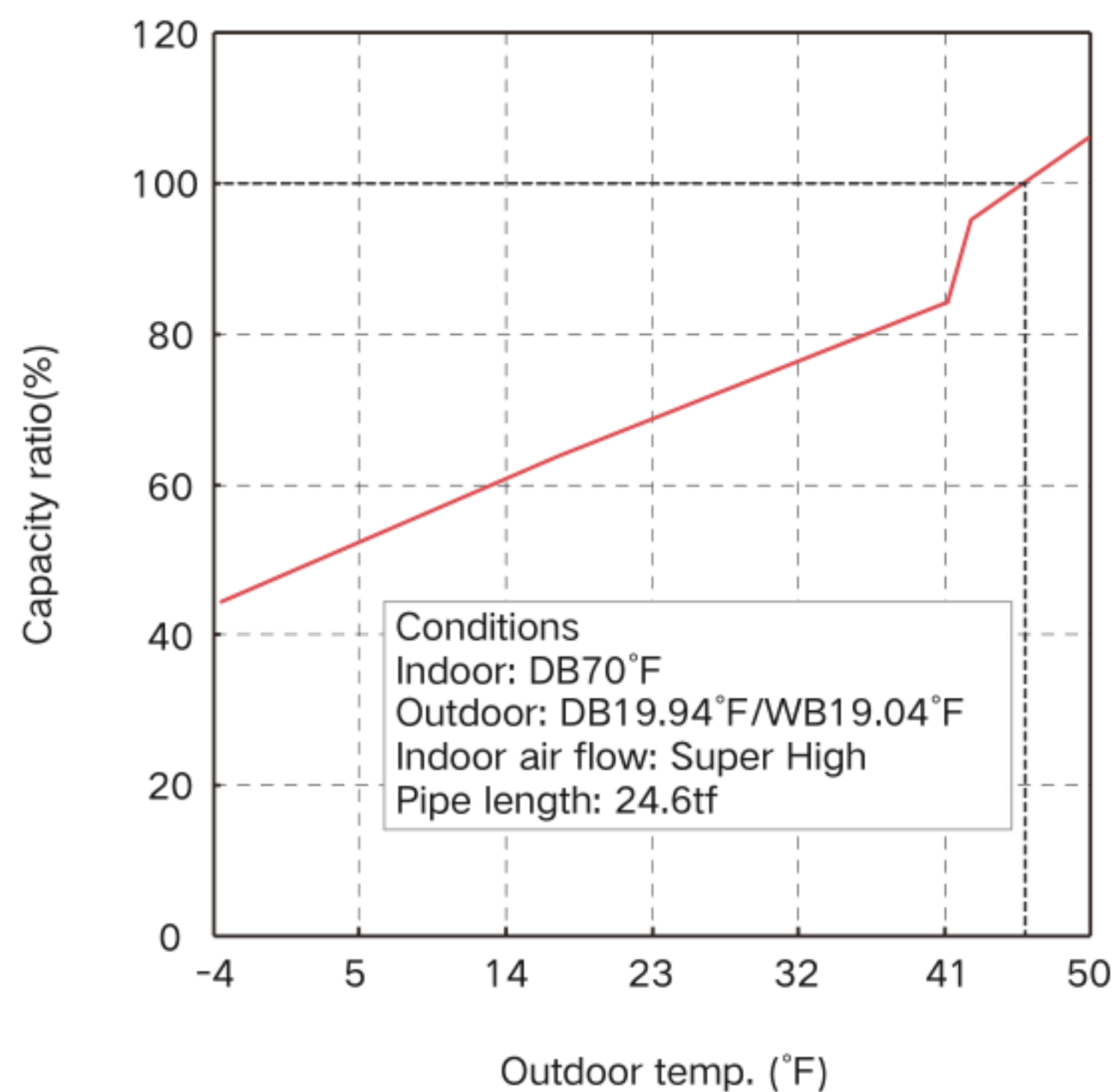


Capacity Variation Ratio According to Temperature

Cooling

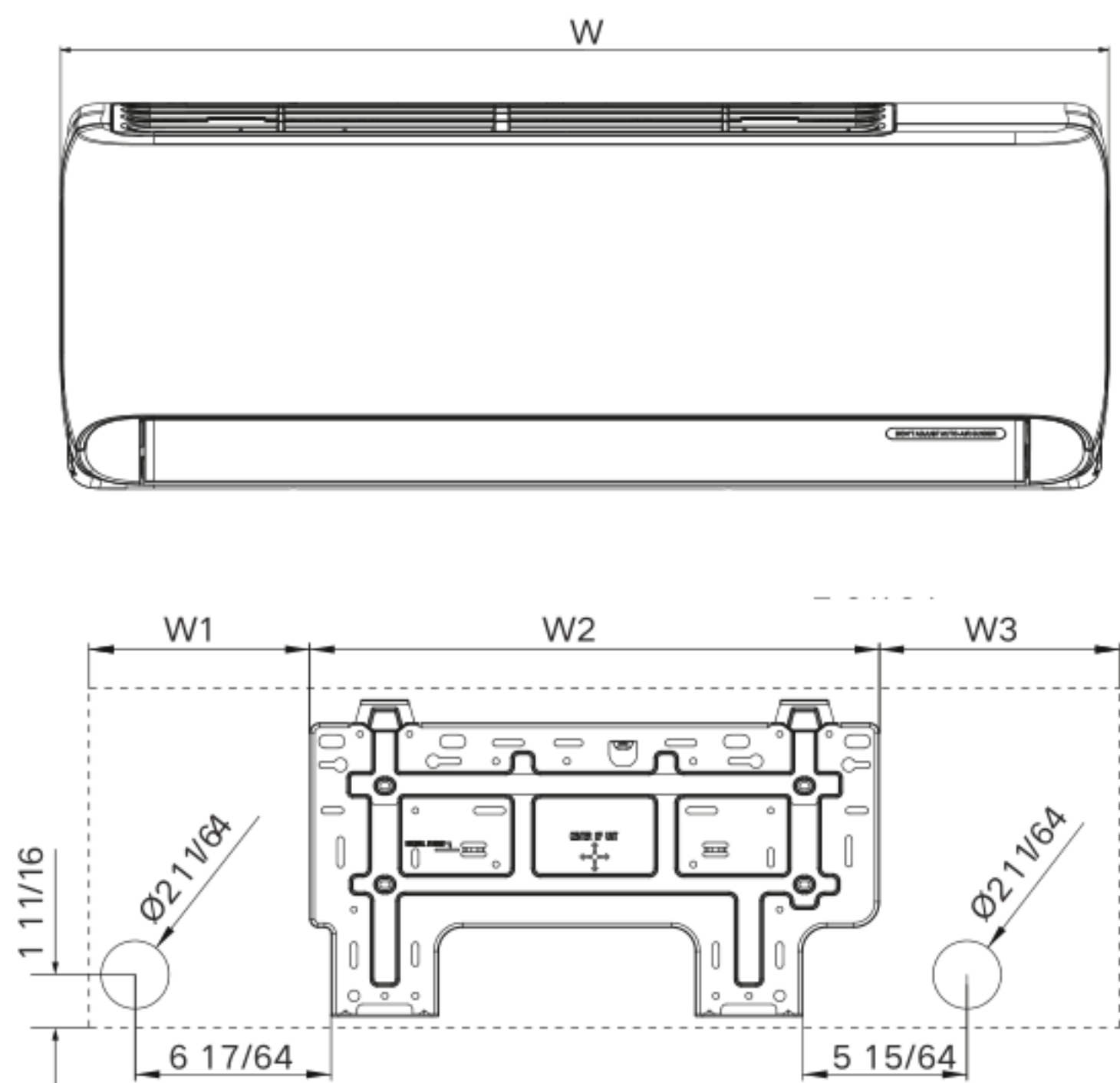


Heating



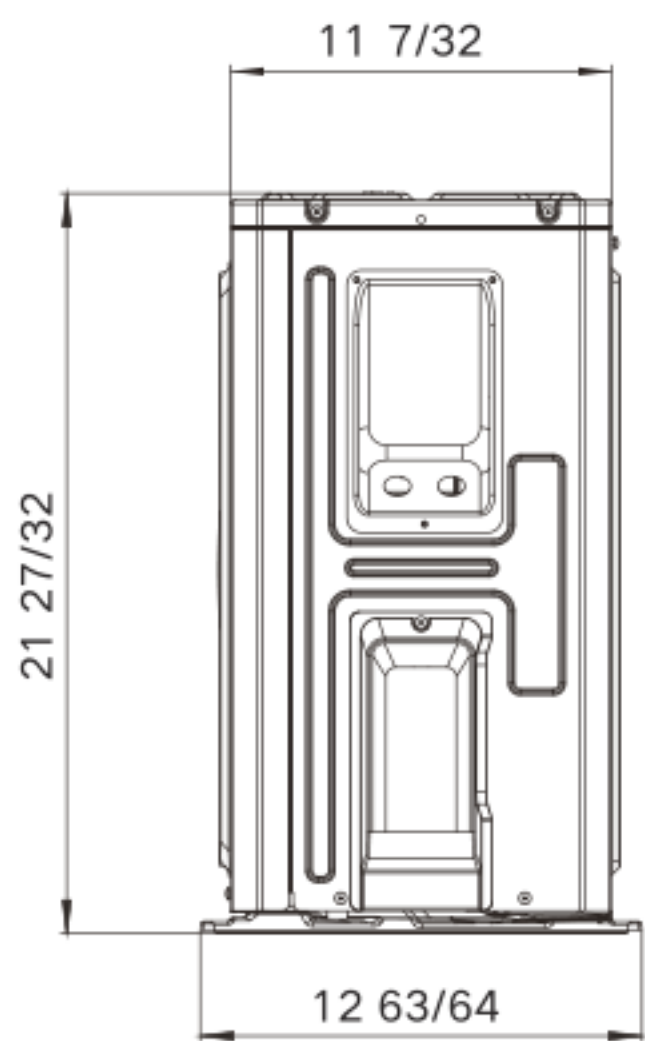


Outline Dimension Diagram

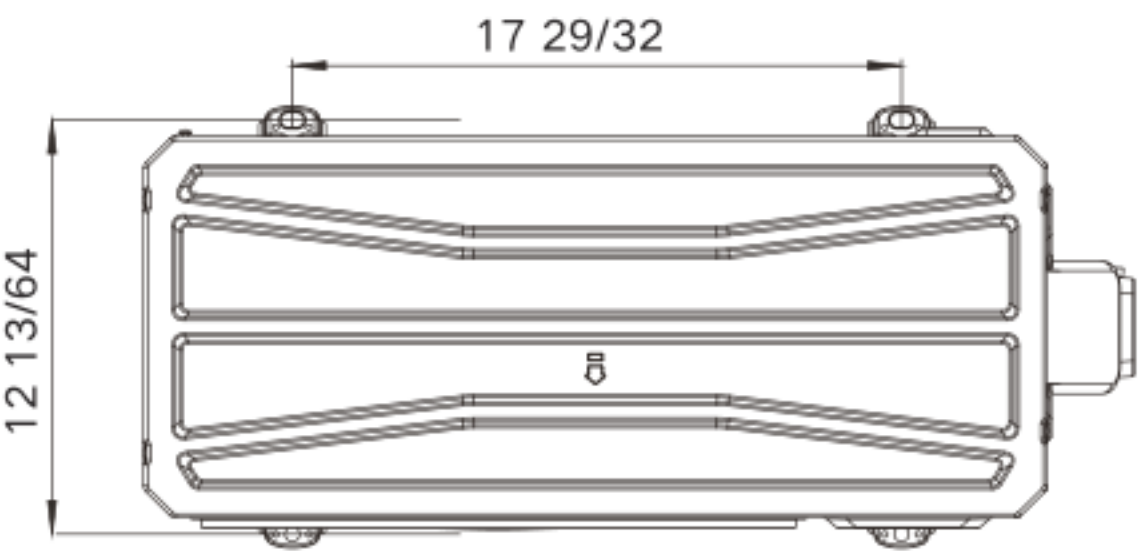
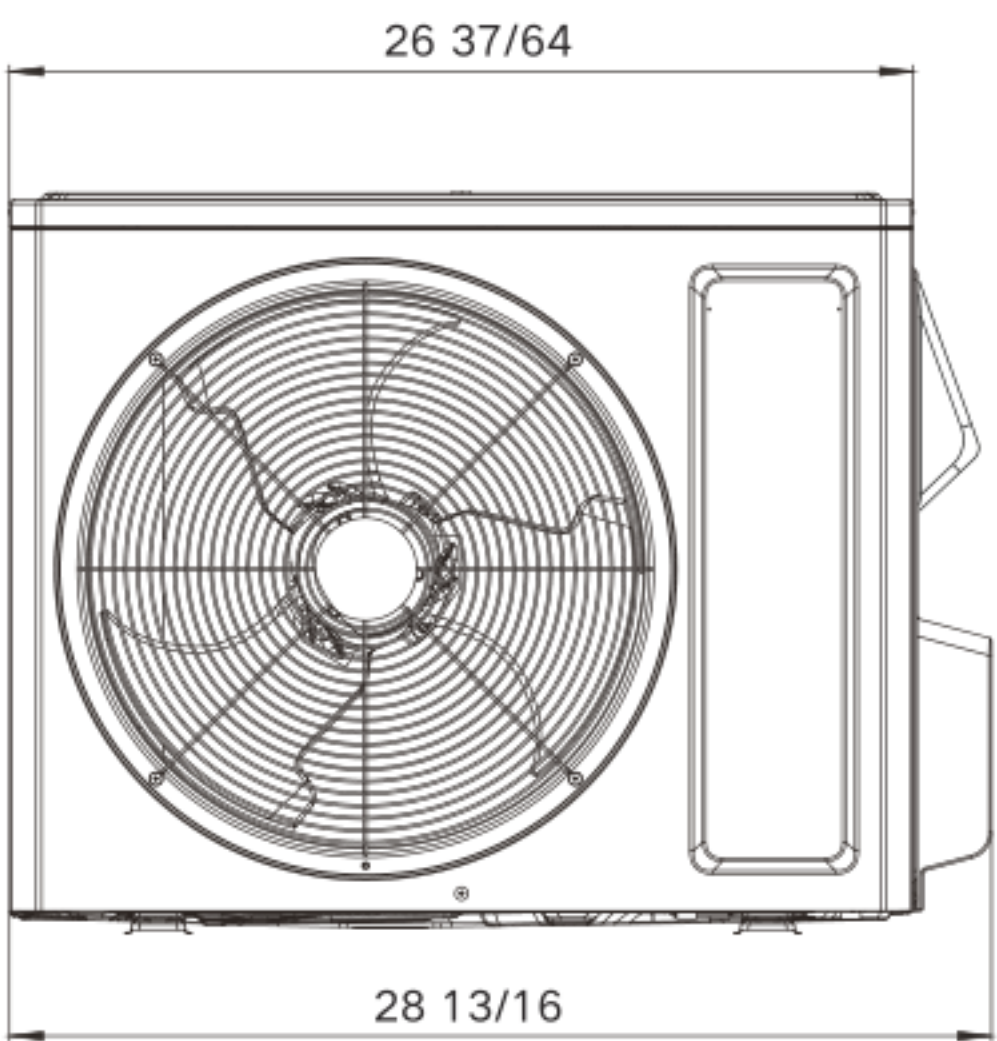


Unit: inch

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

