TOSOT

R32 HEAT / COOL

MORE THAN COOLING & HEATING, ZENO

18,000 BTU / H WALL MOUNTED HEAT- PUMP SYSTEM

SUBMITTAL DATA: TWH18ZD32AI & TWH18ZD32AO

Job Name	**Location**		**Date**	
Purchaser	**Engineer**			
Submitted To	**For**	☐ **Reference**	☐ **Approval**	☐ **Construction**
Unit Designation	**Schedule No.**			





XE72-44/E (Optional) XE71-00/E (Optional) YAY1FF (Standard) YAW1F9 (Optional)



- ❑ Easy installation and cleaning
- ❑ Fast cooling with meticulous care
- ❑ WIFI included
- ❑ Wired controller (Optional)
- ❑ 7 indoor fan speeds
- ❑ Copper tube/Aluminum fins Acrylic resin
- ❑ Anti-corrosion both inside and outside
- ❑ Room/Outdoor temperature display
- ❑ 24Vac Signal 3rd party Backup Control (Optional with XE71-00/E)

SYSTEM RATINGS		INDOOR UNIT DATA	
Cooling		**Fan Motor**	
Rated Capacity @ 95° F	18,000 BTU/H	Type	Cross-flow
Capacity Range	3,753-1,9790 BTU/H	Output Power	45 W
Power Input	1,758 W	FLA	0.70 A
Power Input (Min/Max)	350 / 2,200 W	Fan Speeds	7
SEER2 / EER2	18.0 / 10.25	Air flow (Min/Max)	282/589 CFM
Heating		**Sound Pressure Level**	
Rated Capacity @ 47° F	18,000 BTU/H	Cooling (Low/High)	33 / 51 dB(A)
Capacity Range	4,100-19,107 BTU/H	Heating (Low/High)	42 / 51 dB(A)
Rated Capacity @ 17°F	11,200 BTU/H	**Dehumidification**	3.80 pt/hr
Rated Capacity @ 5°F	10,000 BTU/H	**OUTDOOR UNIT DATA**	
Power Input	1,465 W	**Compressor**	
Power Input (Min/Max)	220 / 1,950 W	Type	DC Inverter Rotary
HSPF2 (Region IV)	8.2	RLA	8.1 A
COP @47°F / @5°F	3.6 / 1.75	**Fan Motor**	
Operating Range		Output Power	30 W
Cooling	0°F ~ 118°F	RLA	1.20 A
	-18°C ~ 48°C	**Sound Pressure Level**	54 dB(A)
Heating	-13°F ~ 75°F	**Refrigerant Piping Data**	
	-25°C ~ 24°C	Liquid Pipe Size (OD)	1/4-in
Power Supply		Gas Pipe Size (OD)	1/2-in
Rated	208/230 V, 1 Phase, 60 Hz	Connection Method	Flared
Voltage Range	187 - 253 V	Pre-Charged R32 Amount	29.3 oz
Main Power Wire Size	Per Local Code	Additional Charge	0.2 oz/ft
Wire Size between IDU & ODU	14-4 AWG	Pre-Charge Length	25-ft
MCA	13 A	MAX Refrigerant Pipe Length	82-ft
MOCP/Max Breaker Size	15 A	MIN Refrigerant Pipe Length	10-ft
Moisture Protection	IPX4	MAX Refrigerant Pipe Height Difference	33-ft

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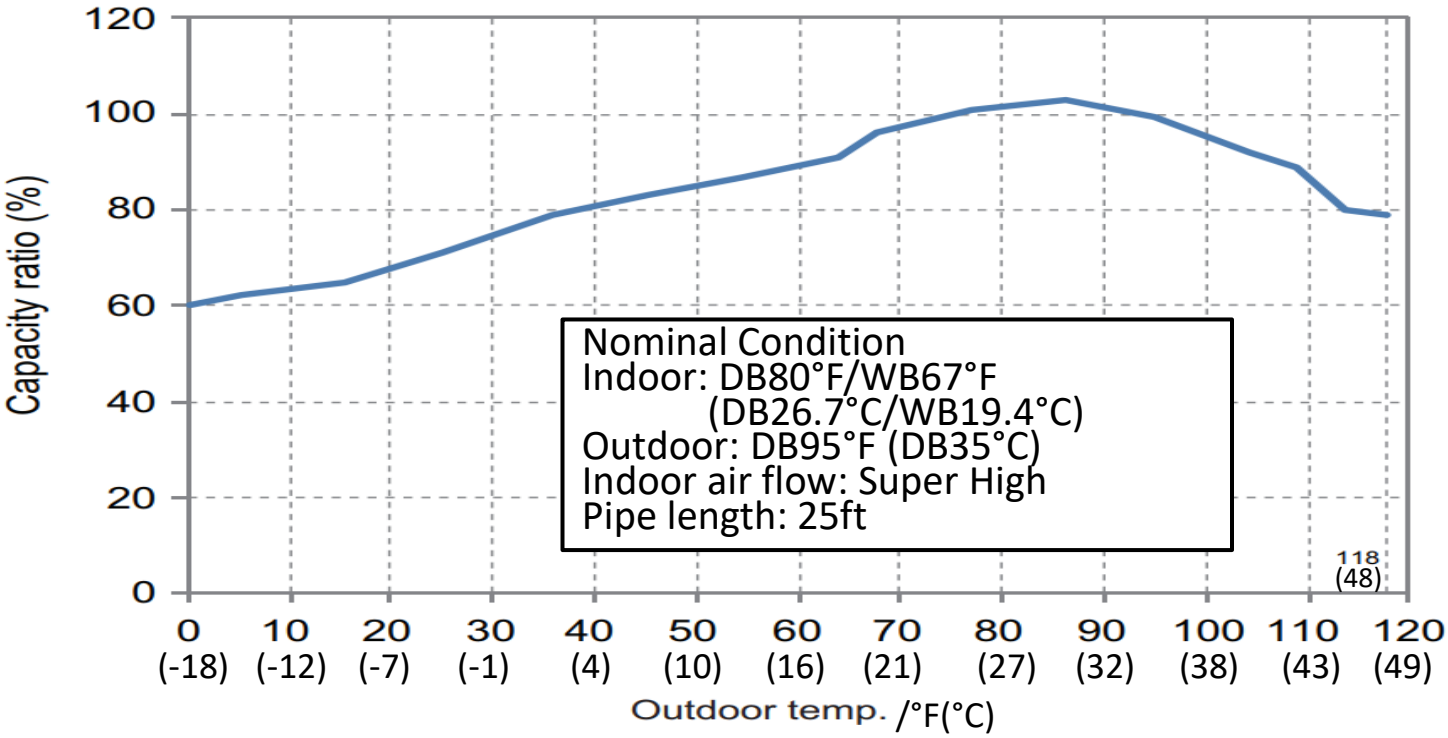
R32 neep INVERTER ETL Intertek AHRI CERTIFIED www.ahridirectory.org

FEATURES & FUNCTION: TWH18ZD32AI & TWH18ZD32AO

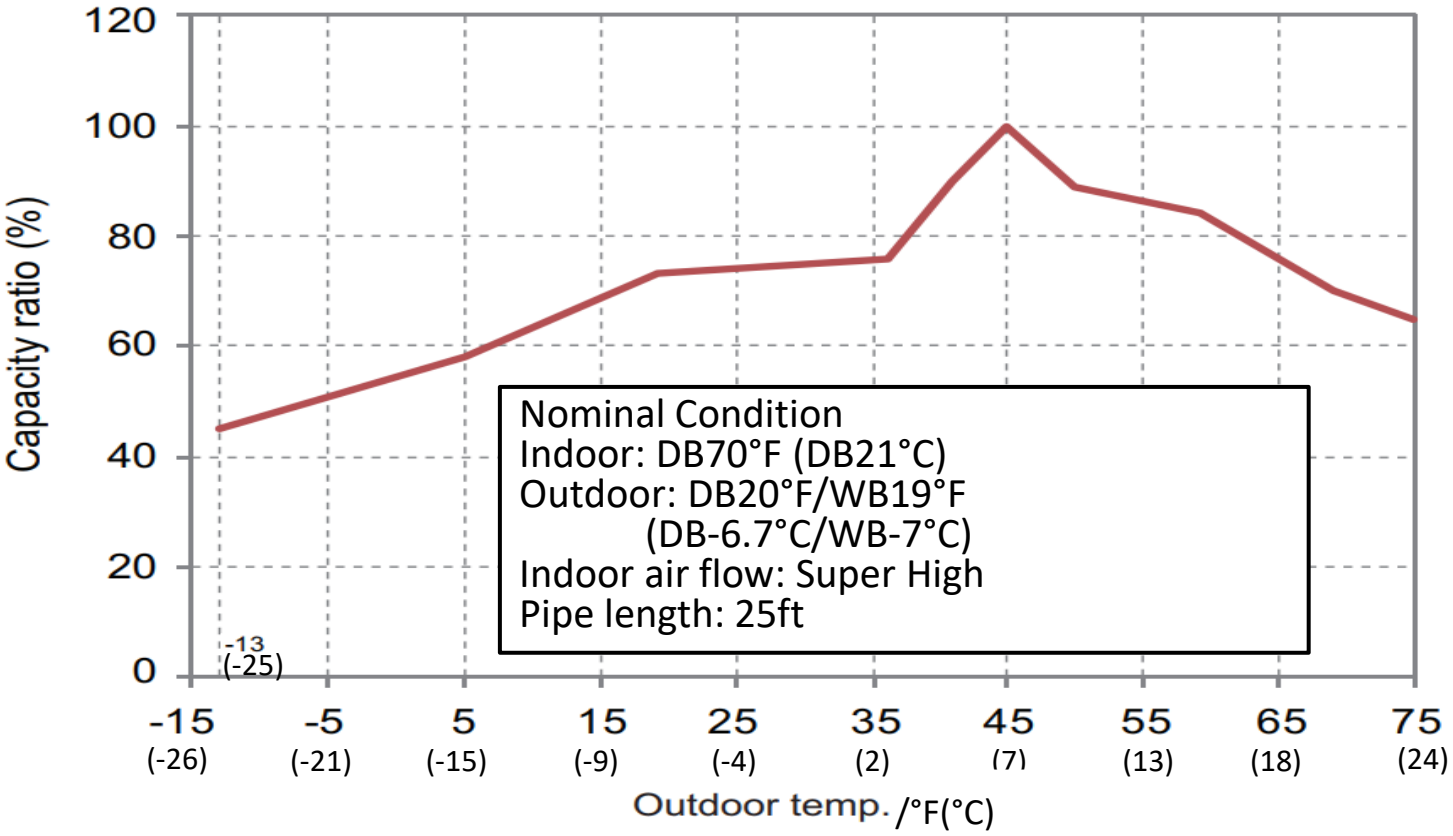
SYSTEM FEATURES	
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Outdoor Unit Drain Pan / Chassis Electric Heater	YES
Indoor & Outdoor Fin Coating (Blue)	Acrylic Resin / Anti-Corrosion
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
WIFI Included	YES
Indoor Fan Type	Cross-flow
Multi Fan Speeds	7 Speeds
Indoor Unit Display	YES
Auxiliary Electrical Heater	NO
Auto Mode	YES
Auto Fan	YES
Dry Mode	YES
Dry Anti-Mildew Mode / X-Fan	YES
Energy Saving Mode / I-demand	YES
Dirty Filter Alert	YES
I Feel Function	NO
Child Lock on Remote Controller	YES
Quiet Mode	YES
Sleep Mode	YES
Artificial Intelligence for Saving Energy	Version 1.0
Turbo Mode	YES
Freeze Guard Mode	YES
R32 Leakage Detector	YES
Low Temperature Cooling / Heating	YES
24Vac Signal 3rd party Backup Heater Output	XE71-00/E
Auto Swing	Vertical
Intelligent Defrosting	YES
Thin Frost Rapid Removing	NO
Intelligent Dehumidify	NO
Power Gear	NO
ODU Self-Cleaning	NO
Auto Brightness for Panel Display	NO
Buzz Volume Adjustable	NO

EXTENDED RATINGS: TWH18ZD32AI & TWH18ZD32AO

Cooling capacity correction curve



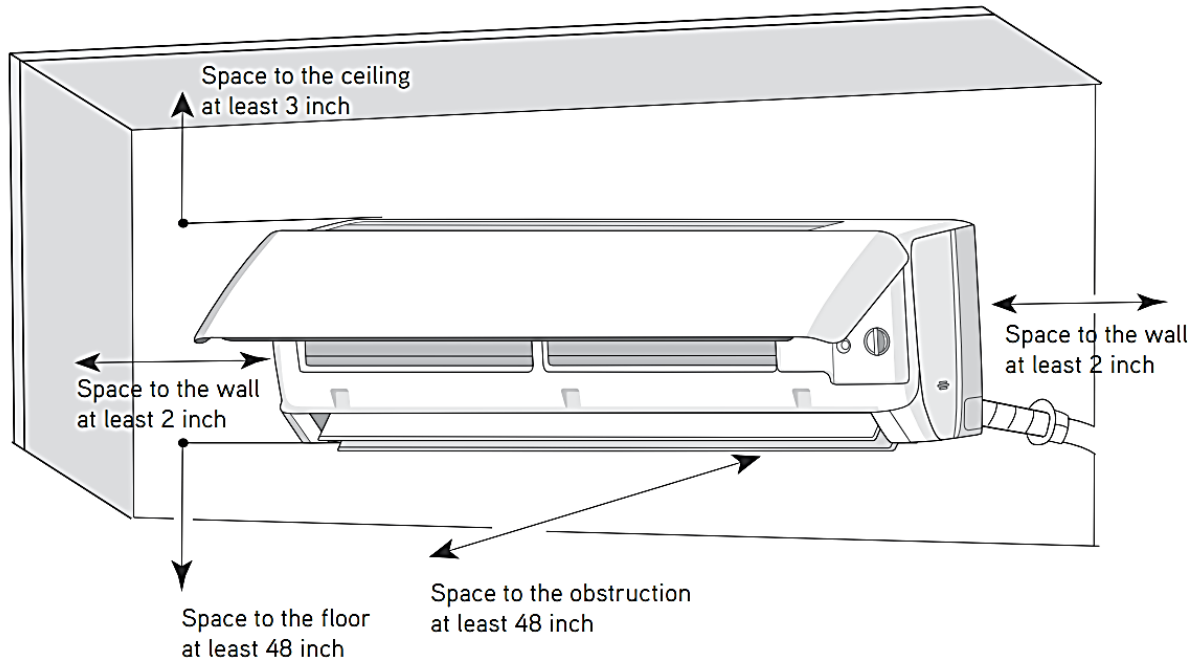
Heating capacity correction curve



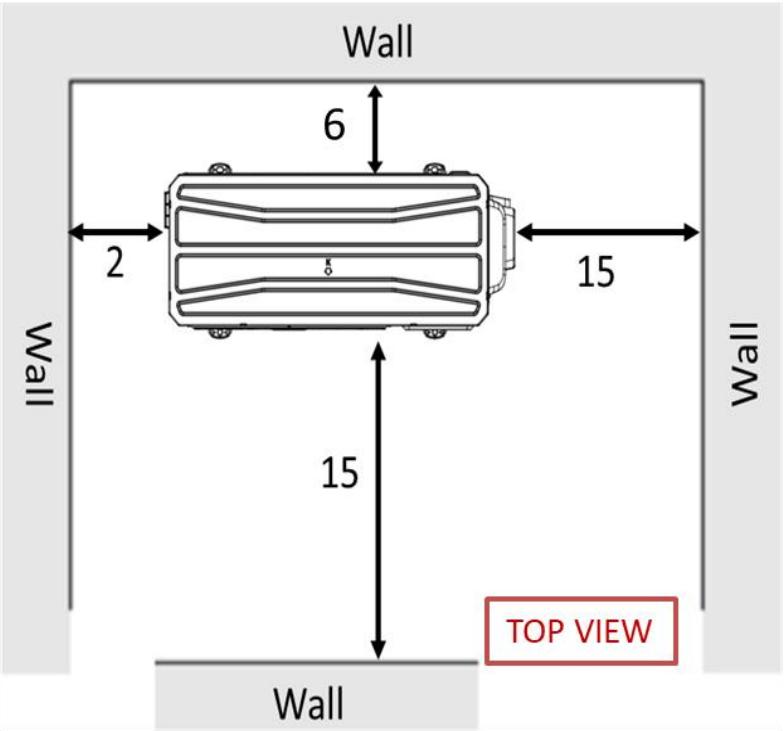
SPACING REQUIREMENT: TWH18ZD32AI & TWH18ZD32AO

INDOOR UNIT

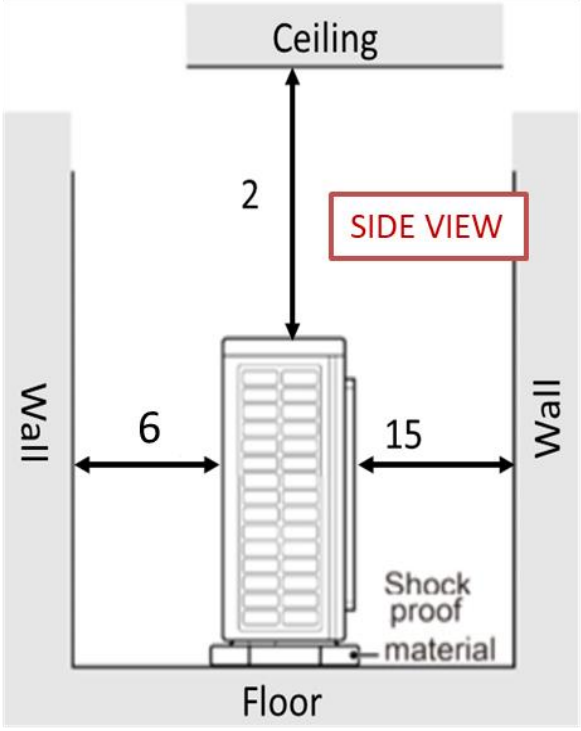
Unit: inch



OUTDOOR UNIT



The ceiling should be open



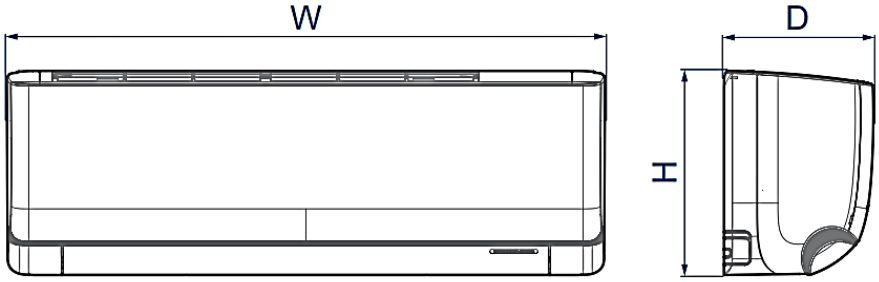
Either left or right side should be open

Note:

1. Apply the value in the brackets to achieve best performance
2. Wall height on air outlet side ≤ 50inch

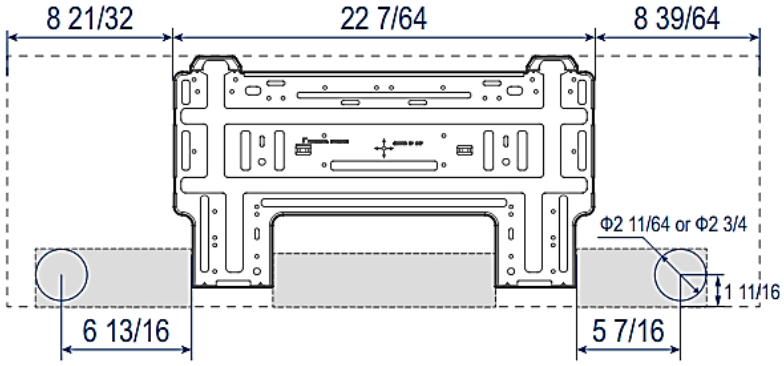
DIMENSIONAL : TWH18ZD32AI & TWH18ZD32AO

INDOOR UNIT



Unit: inch

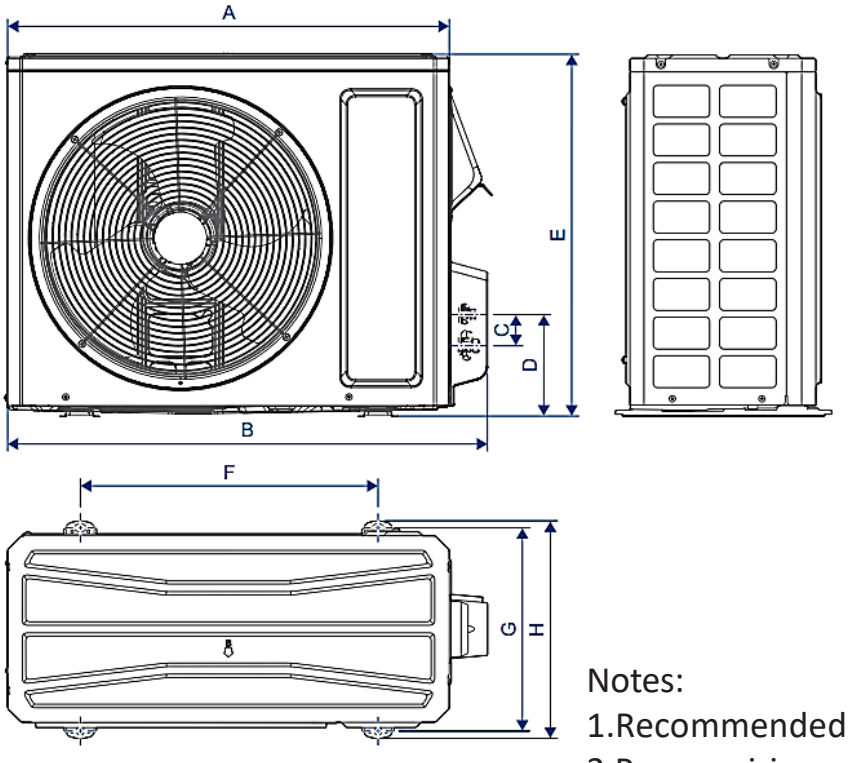
Dimensions	
D	9 51/64
H	13 7/64
W	39 3/8



Weight (Net/Shipping)
36 / 42 LBS

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT



NOTE: The appearance of outdoor unit is for reference only.

Dimensions	
A	29 21/64
B	31 37/64
C	2 9/16
D	6 27/64
E	21 27/32
F	20 13/64
G	13 1/32
H	13 25/32

Weight (Net/Shipping)
63 / 69 LBS

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared

Notes:
1.Recommended Interconnecting Cable Type AWG 14/4
2.Power wiring cable size must comply with applicable national and local codes
3.Test conditions are based on AHRI 210/240