R32 SINGLE/MULTI- ZONE HIGH STATIC DUCTED SYSTEM

30,000 BTU / H HIGH STATIC DUCTED

SUBMITTAL DATA: TFH30D32AI + TWH30CD32AO

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

AHRI CERTIFIED REF	218001417
ENERGY STAR NUMBER	4515425





XE72-44/E (Standard)



YAW1F9 Cool-only (Optional)



XE71-00/E (Optional)



YBE1FB1F (Optional)



SYSTEM RATINGS		INDOOR UNIT DATA	
Cooling		**Fan Motor**	
Rated Capacity at 95° F	30,000 BTU/H	Type	Centrifugal
Capacity Range	10,360-37,500 BTU/H	Ext. Static Pressure (max/std)	0.6/0.2 inwc
Power Input		Output Power	80 W
Power Input (Min/Max)	3500 / 4,100 W	FLA	1.60 A
SEER2 / EER2	18.5 / 11.25	Fan Speeds	7
Heating		Air flow (Min/Max)	647/883 CFM
Rated Capacity at 47° F	30,000 BTU/H	Dehumidification	7.40 pt/hr
Capacity Range	14,405-35,140 BTU/H	**Sound Pressure Level**	
Rated Capacity @ 17°F	24,000 BTU/H	Min / Max	37 / 44 dB(A)
Rated Capacity @ 5°F	20,400 BTU/H	**OUTDOOR UNIT DATA**	
Power Input	1,759 W	**Compressor**	
Power Input (Min/Max)	380 / 5,000 W	Type	DC Inverter Rotary
HSPF2 (Region IV / V)	8.5 / 8.0	RLA	18.5 A
COP @47°F / @5°F	4.02 / 1.80	**Fan Motor**	
Operating Range		Output Power	90 W
Cooling	-4°F ~ 122°F	RLA	1.7 A
	-20°C ~ 50°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)	5/8-in
Rated	208/230 V, 1 Phase, 60 Hz	Connection Method	Flared
Voltage Range	187 - 253 V	Pre-Charged R32 Amount	56.4 oz
Main Power Wire Size	Per Local Code	Additional Charge	0.4 oz/ft
Wire Size between IDU & ODU	14-4 AWG	Pre-Charge Length	25-ft
MCA	26 A	MAX Refrigerant Pipe Length	131-ft
MOCP/Max Breaker Size	30 A	MIN Refrigerant Pipe Length	10-ft
Moisture Protection	IPX4	MAX Refrigerant Pipe Height Difference	82-ft

FEATURES & FUNCTION SUMMARY: TFH30D32AI + TWH30CD32AO

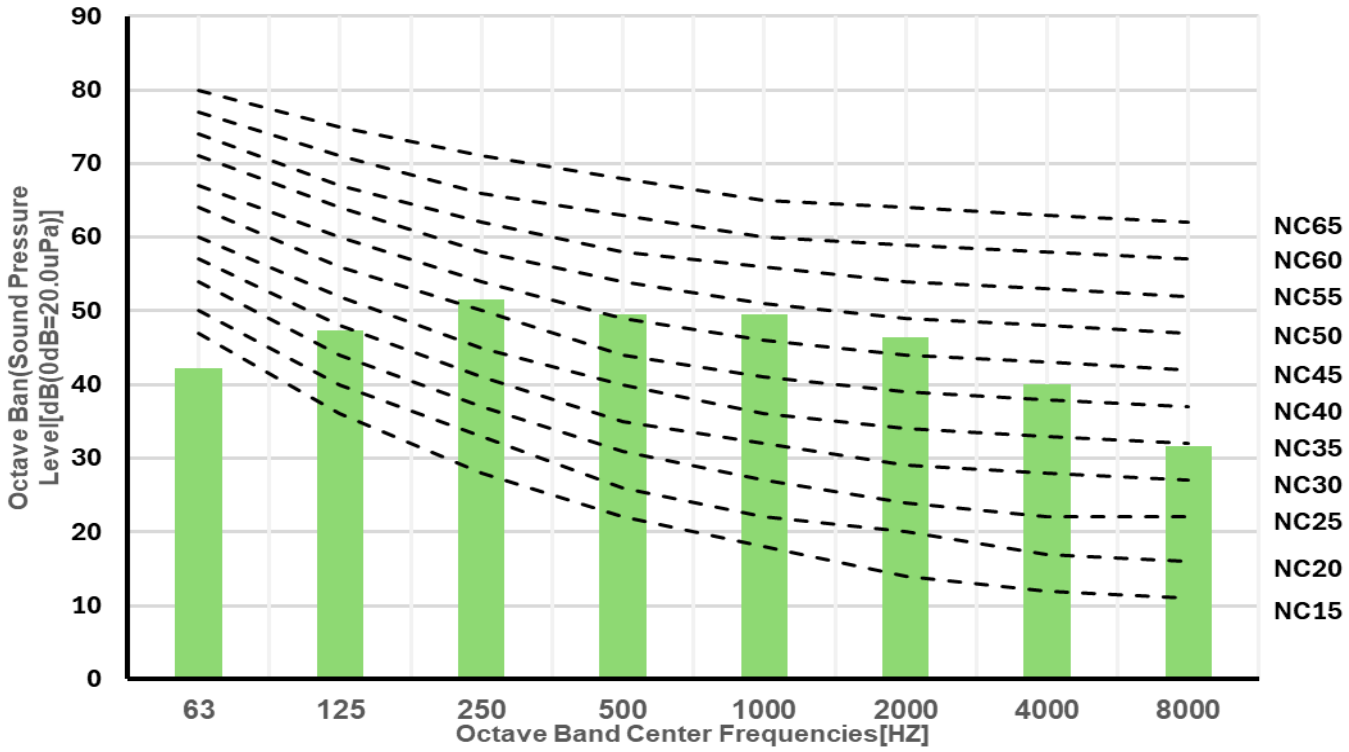
SYSTEM FEATURES	
Selectible External Satic Pressure	8 Selections
Multi Fan Speeds	7 Speeds
Indoor Fan Type	Centrifugal
Artificial Intelligence for Saving Energy	Version 1.0
Wired Controller Interface	YES
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	YES
Condensate Pump	YES
Overflow Cut-off Switch	YES
Electronic Expansion Valve	In Outdoor Unit
Coil Construction	Copper Tube-Aluminum Fin
Indoor Fin Coating (Blue)	Acrylic Resin/Anti-Corrosion
A2L Refrigerant Leakage Detector	Optional
WIRED CONTROLLER & REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Turbo Cooling	YES
Auto Swing (Horizontal/Vertical Auto Swing)	NO
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	YES
I Feel Function	NO
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display ※	YES
Normal Sleep Mode	YES
Timer Mode	YES
LCD Back Light on Remote Controller	YES
Turbo Mode	YES
Cooling Only Controller	Optional with Remote YAW1F9
Freeze Guard/Holiday Mode (46°F/8°C)	YES
24Vac Signal 3rd party Backup Heater Output	Optional with XE71-00/E
Wifi Control	Standard with XE72-44/E

※ Available on XE72-44/E with [Mode]+[▲] during OFF status

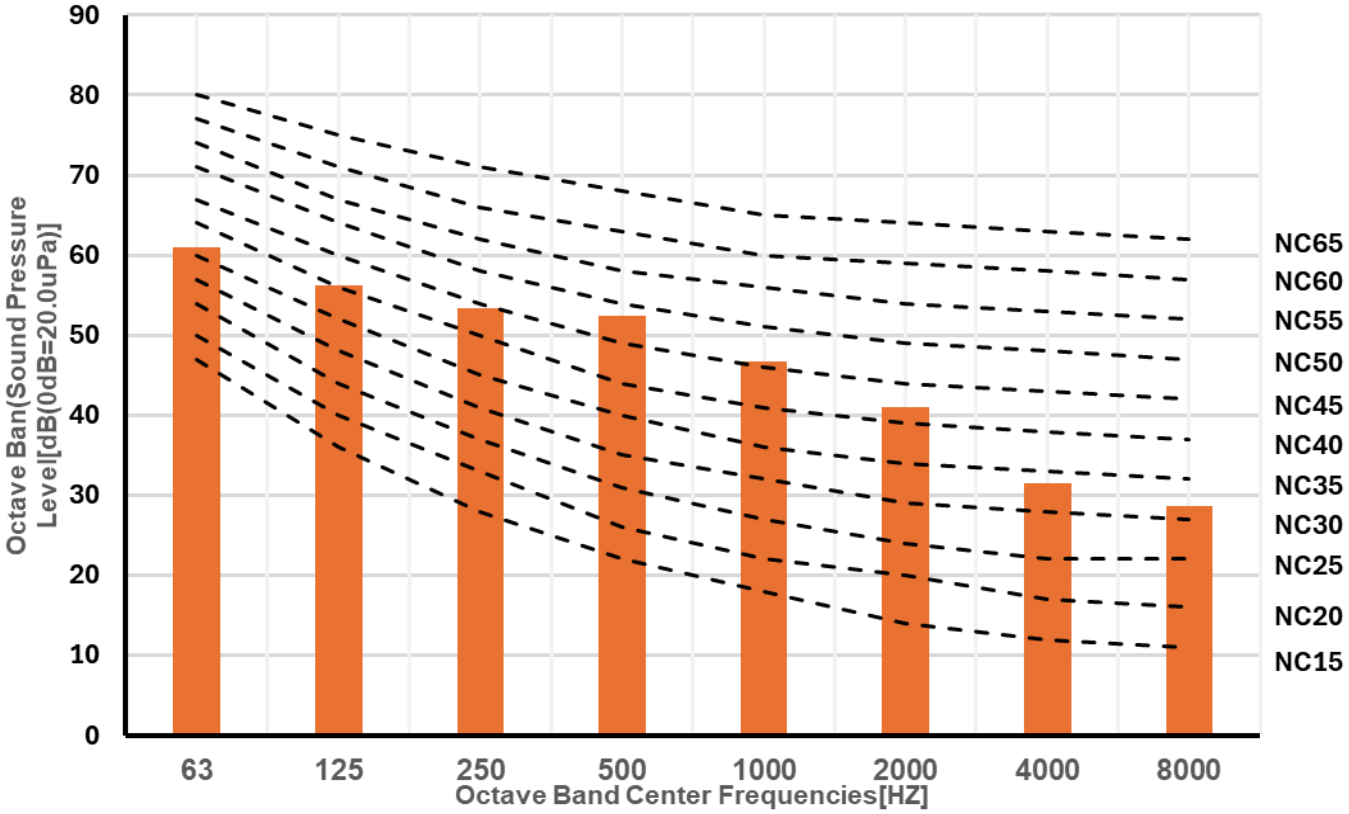
SOUND DATA: TFH30D32AI + TWH30CD32AO

ACOUSTIC OCTAVE-BAND SOUND POWER DATA

Indoor Unit

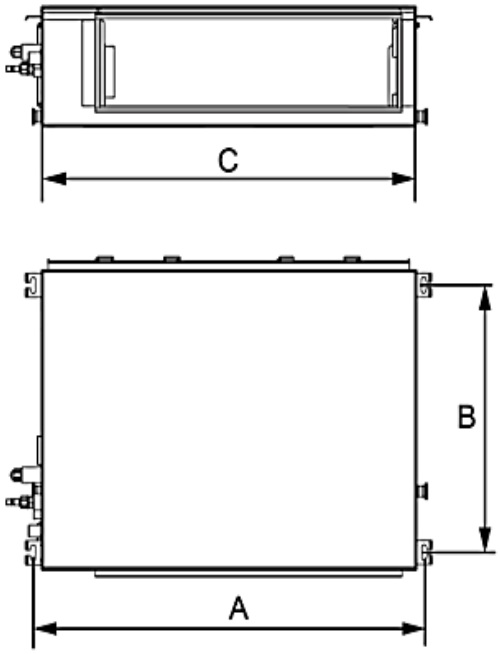


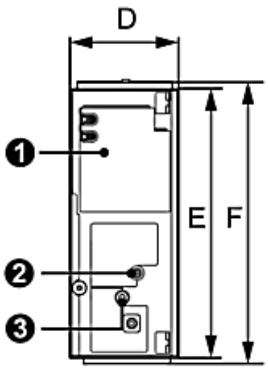
Outdoor Unit



DIMENSIONAL SPECIFICATIONS: TFH30D32AI

UNIT DIMENSION





1. Electric Box
2. Gas pipe
3. Liquid pipe

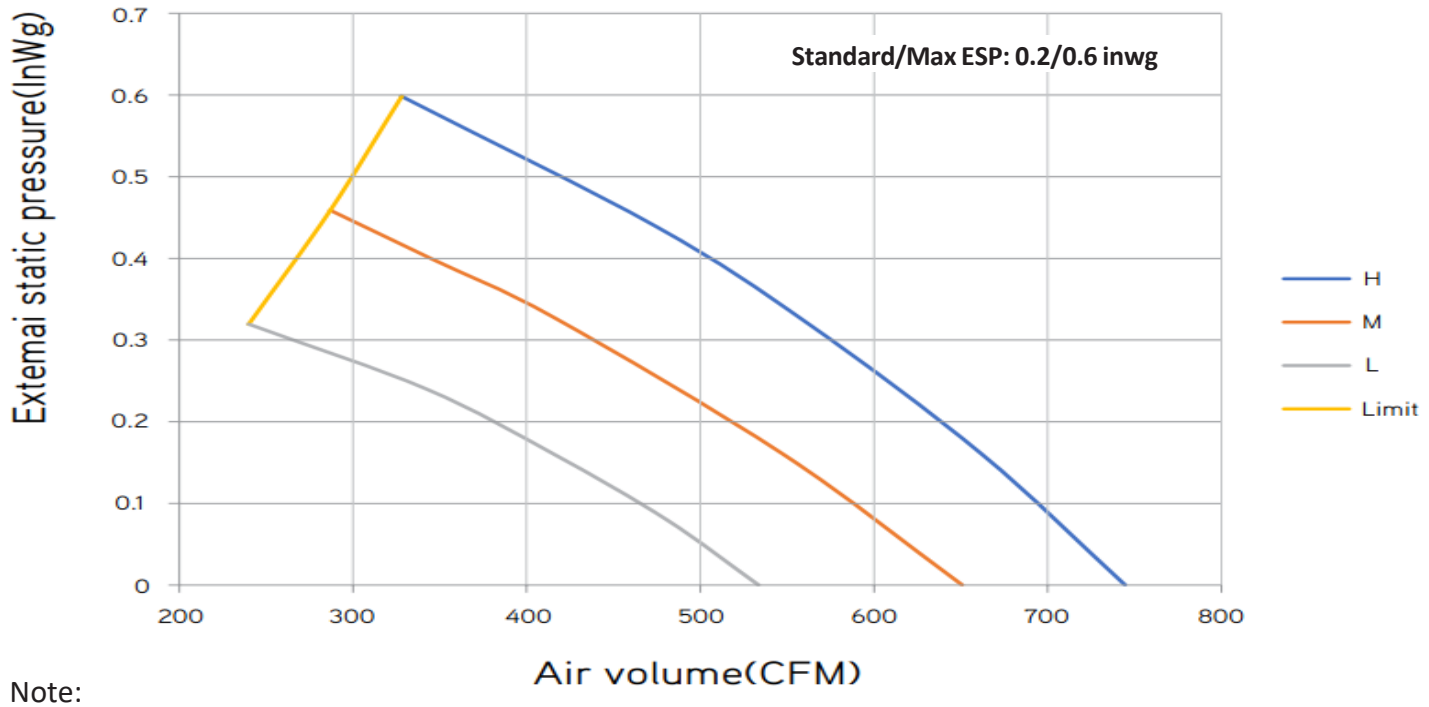
Weight (Net/Gross) 67/78 lbs

Note:
Size refrigerant lines based on evaporator port sizes

Dimensions (inch)						
	A	B	C	D	E	F
30K	37 3/32	23 15/64	35 7/16	10 15/64	25 25/32	27 1/4
36K	54 3/8	23 1/32	52 3/4	10 15/64	25 25/32	27 7/16

Supply & Return Air Opening (inch)				
	Size of Supply Air Outlet		Size of Return Air	
30K	8 1/2	29 1/8	34 5/16	9 3/16
36K	8 1/2	45 7/16	46 3/8	8 11/16

INDOOR FAN PEFORMANCE DATA

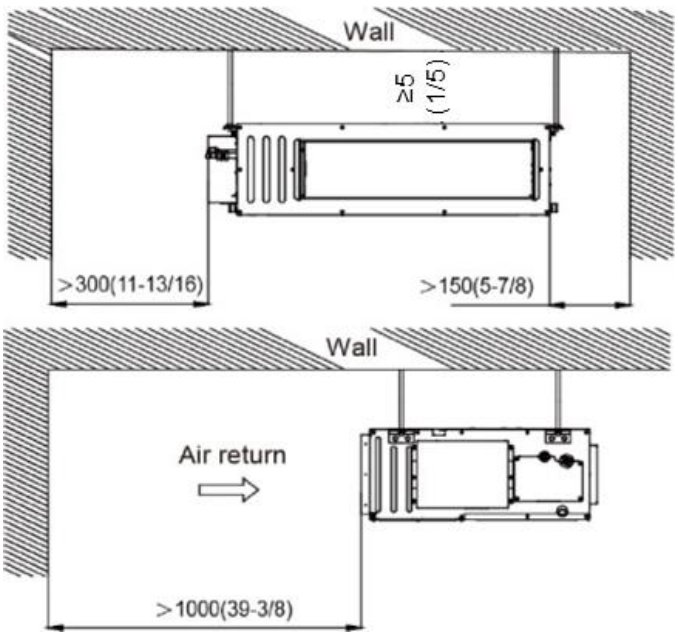


Note:
ESP adjusted by the wired controller.

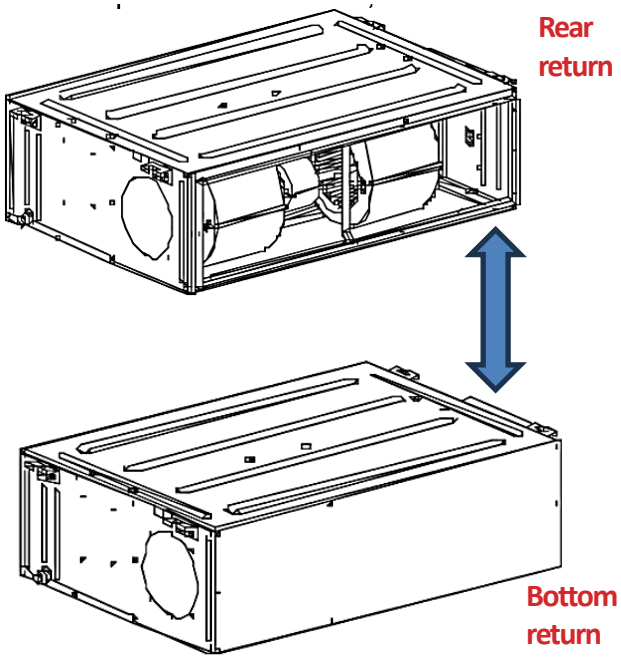
DIMENSIONAL SPECIFICATIONS: : TFH30D32AI

MINIMUM SPACING REQUIREMENTS

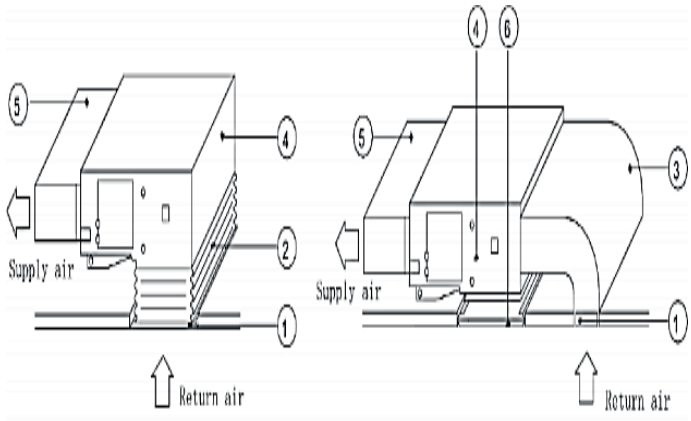
Units: mm(inch)



FLEXIBLE AIR RETURN ADJUSTABLE



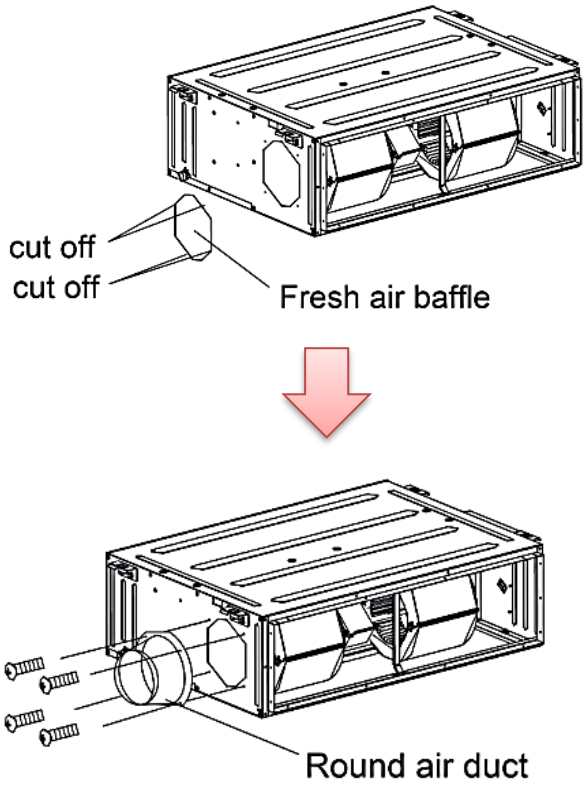
RETURN AIR CONFIGURATIONS



No.	Name
1	Return Air Inlet(with filter)
2	Canvas
3	Return Air Duct

No.	Name
4	Indoor unit
5	Supply Air Duct
6	Grille

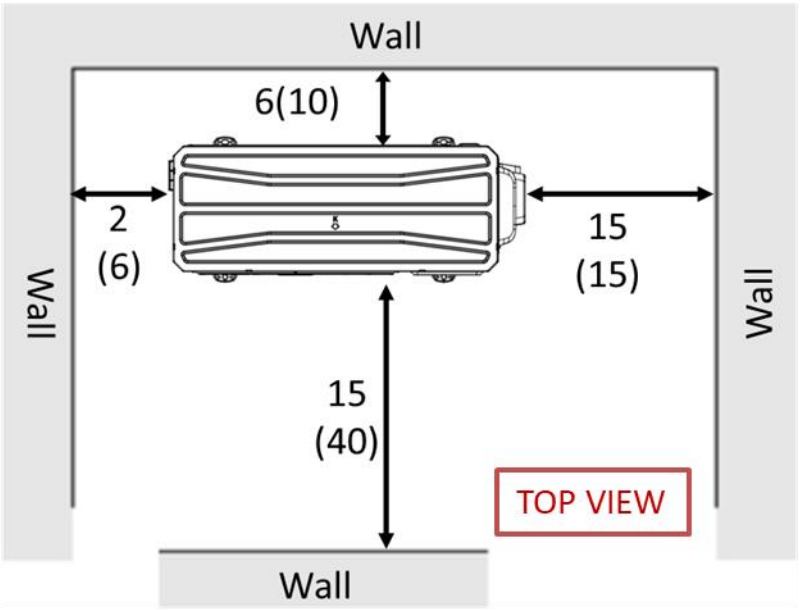
FRESH AIR PIPE INSTALLATION



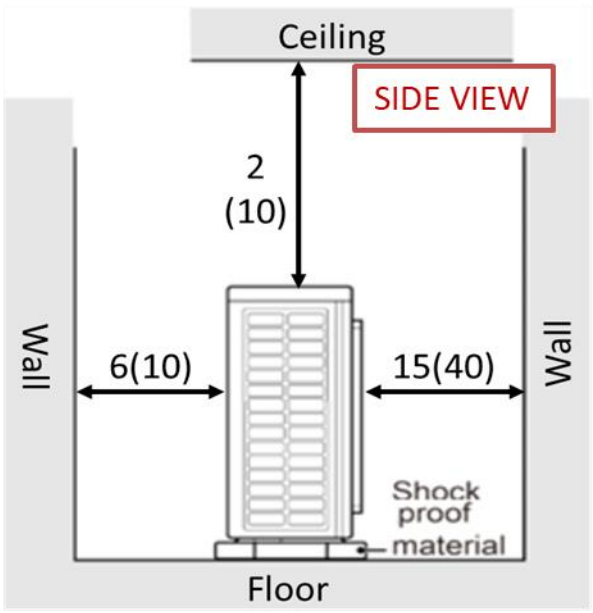
DIMENSIONAL SPECIFICATIONS: : TWH30CD32AO

MINIMUM SPACING REQUIREMENTS

Unit: inch



The ceiling should be open



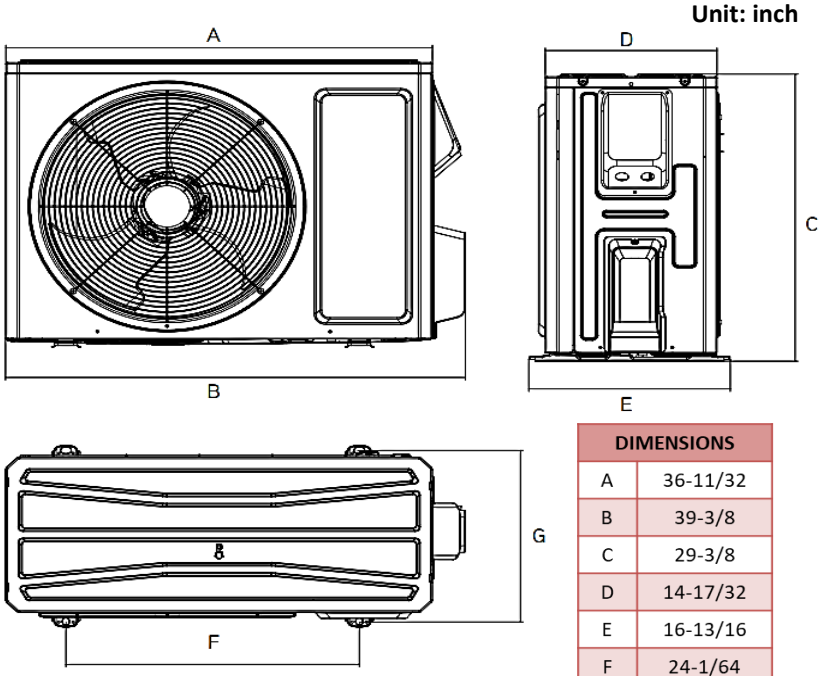
Either left or right side should be open

Note:

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

OUTDOOR UNIT DIMENSIONS

Unit: inch



DIMENSIONS	
A	36-11/32
B	39-3/8
C	29-3/8
D	14-17/32
E	16-13/16
F	24-1/64
G	15-35/64

Weight (Net/Gross) 117 /128 LBS

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

Notes:

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