R32 SINGLE/MULTI- ZONE Floor Ceiling SYSTEM

12,000 BTU / H Floor Ceiling

SUBMITTAL DATA: TTH12D32AI + TWH12PD32AO

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

AHRI CERTIFIED REF	**218001431**
ENERGY STAR No.	**4528947**





YBE1FB1F
(Standard)



YAW1F9
Cool-only
(Optional)



XE72-44/E
(Optional)



XE71-00/E
(Optional)



SYSTEM RATINGS		INDOOR UNIT DATA	
Cooling		**Fan Motor**	
Rated Capacity @ 95° F	12,000 BTU/H	Type	Centrifugal
Capacity Range	2,700-15,700 BTU/H	Dimension L x D x H (inch)	34-1/4 x 9-1/4 x 26-3/16
Power Input	920 W	Output Power	40 W
Power Input (Min/Max)	180 / 1,450 W	FLA	0.4 A
SEER2 / EER2	23.0 / 13.0	Drainage Hose Size	3/4”
Heating		Air flow (Min/Max)	247/412 CFM
Rated Capacity @ 47° F	12,000 BTU/H	Dehumidification	2.96 pt/hr
Capacity Range	3,070-14,280 BTU/H	**Sound Pressure Level**	
Rated Capacity @ 17°F	10,000 BTU/H	Min / Max	25 / 40 dB(A)
Rated Capacity @ 5°F	10,000 BTU/H	**OUTDOOR UNIT DATA**	
Power Input	930 W	**Compressor**	
Power Input (Min/Max)	180 / 1,150 W	Type	DC Inverter Rotary
HSPF2 (Region IV / V)	9.5 / 8.0	RLA	7.0 A
COP @47°F / @5°F	3.78 / 1.90	**Fan Motor**	
Operating Range		Output Power	30 W
Cooling	0°F ~ 122°F	FLA	0.7 A
	-18°C ~ 50°C	Sound Pressure Level	51 dB(A)
Heating	-22°F ~ 86°F	**Refrigerant Piping Data**	
	-30°C ~ 30°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	30.0 oz
Main Power Wire Size	Per Local Code	Additional Charge	0.2 oz/ft
Wire Size between IDU & ODU	14-4 AWG Unshielded	Pre-Charge Length	25-ft
MCA	10 A	MAX Refrigerant Pipe Length	66-ft
MOCP/Max Breaker Size	15 A	MIN Refrigerant Pipe Length	10-ft
Moisture Protection	IPX4	MAX Refrigerant Pipe Height Difference	40-ft

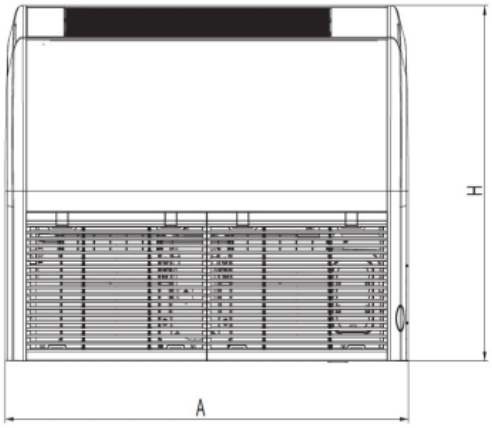
FEATURES & FUNCTION SUMMARY: TTH12D32AI + TWH12PD32AO

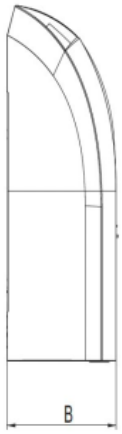
SYSTEM FEATURES	
Multi Fan Speeds	7 Speeds
Indoor Fan Type	Centrifugal
Artificial Intelligence for Saving Energy	Version 1.0
Wired Controller Interface	YES
Auxiliary Electrical Heater	Optional with XE71-00/E
Ventilation (Outdoor Air)	NO
Condensate Pump	YES
Overflow Cut-off Switch	YES
Electronic Expansion 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)	YES
Auto Swing (Vertical)	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	YES
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Long Time 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	Optional with XE72-44/E

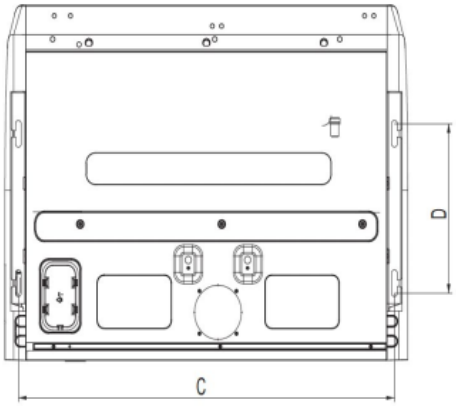
※ Available on XE72-44/E with [Mode]+[▲] during OFF status

DIMENSIONAL SPECIFICATIONS: TTH12D32AI

INDOOR UNIT DIMENSION







Unit: inch

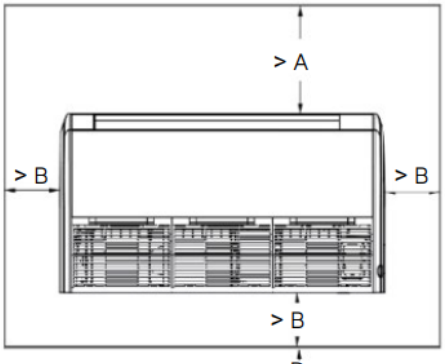
Item	Value
A	34-1/4
B	9-1/4
C	31-31/32
D	12-33/64
H	26-3/16

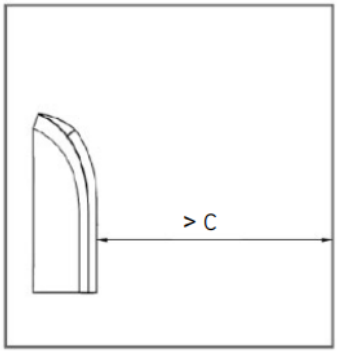
Net Weight: 56 LBS
Gross Weight: 67 LBS

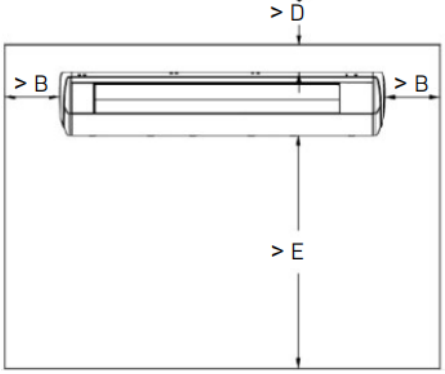
Factory Supplied
Piping Adapters

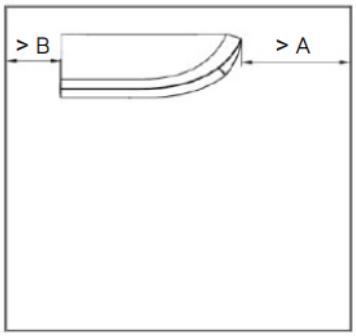
Adapter	Qty
3/8 (F) to 1/2(M)	1
1/2(F) to 3/8(M)	1

INDOOR CLEARANCE









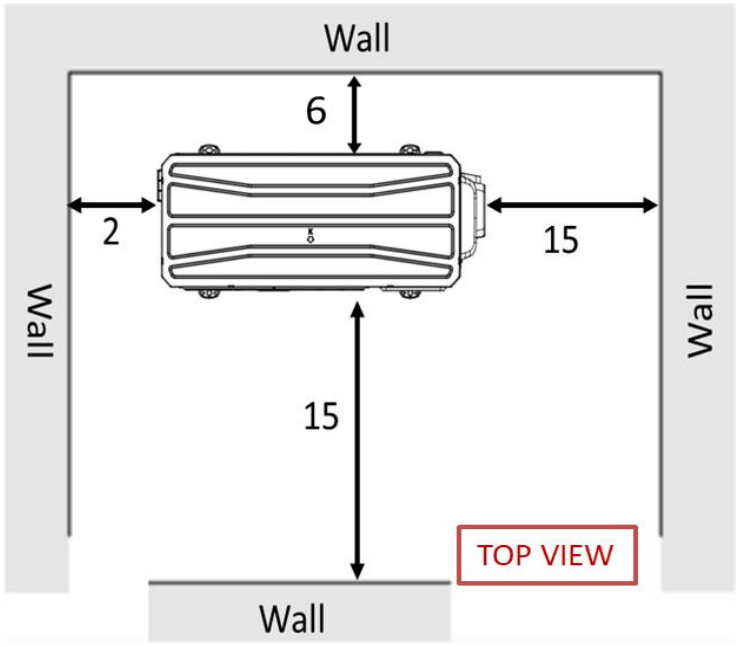
Unit: inch

Item	Value
A	60
B	12
C	39
D	6
H	90

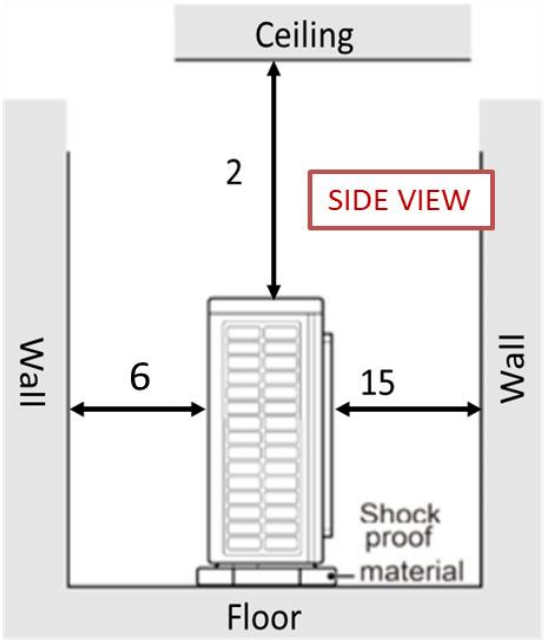
DIMENSIONAL SPECIFICATIONS: TWH12PD32AO

MINIMUM SPACING REQUIREMENTS

Unit: inch



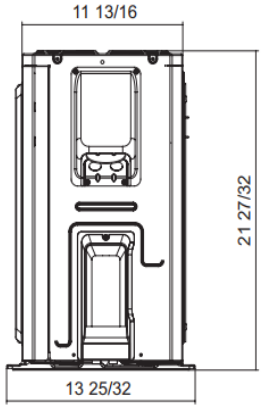
The ceiling should be open

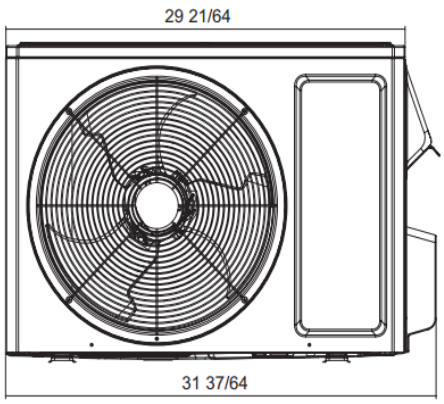


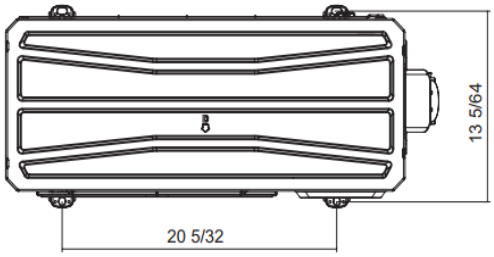
Either left or right side should be open

Note: Wall height on air outlet side ≤ 50inch

OUTDOOR UNIT DIMENSIONS







Unit: inch

Weight (Net/Shipping)
67 / 73 LBS

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