# R32 SINGLE/MULTI- ZONE
# 1-Way Cassette SYSTEM

**12,000 BTU / H 1-Way Cassette**

## SUBMITTAL DATA: TLH12D32AI + TWH12PD32AO

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

| | |
|---|---|
| **AHRI CERTIFIED REF** | **218001430** |
| **ENERGY STAR No.** | **4528949** |





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 | Cross |
| Capacity Range | 2,700-15,500 BTU/H | Panel Dimension L x D x H (inch) | 47-1/4 × 18-7/64 × 2-11/64 |
| Power Input | 980 W | Output Power | 30 W |
| Power Input (Min/Max) | 180 / 1,450 W | FLA | 0.5 A |
| SEER2 / EER2 | 21.5 / 12.3 | Drainage Hose Size | 1” |
| **Heating** | | Air flow (Min/Max) | 230/353 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 | 34 / 41 dB(A) |
| Rated Capacity @ 5°F | 10,000 BTU/H | **OUTDOOR UNIT DATA** | |
| Power Input | 950 W | **Compressor** | |
| Power Input (Min/Max) | 170 / 1,150 W | Type | DC Inverter Rotary |
| HSPF2 (Region IV / V) | 9.5 / 8.0 | RLA | 7.0 A |
| COP @47°F / @5°F | 3.70 / 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: TLH12D32AI + TWH12PD32AO

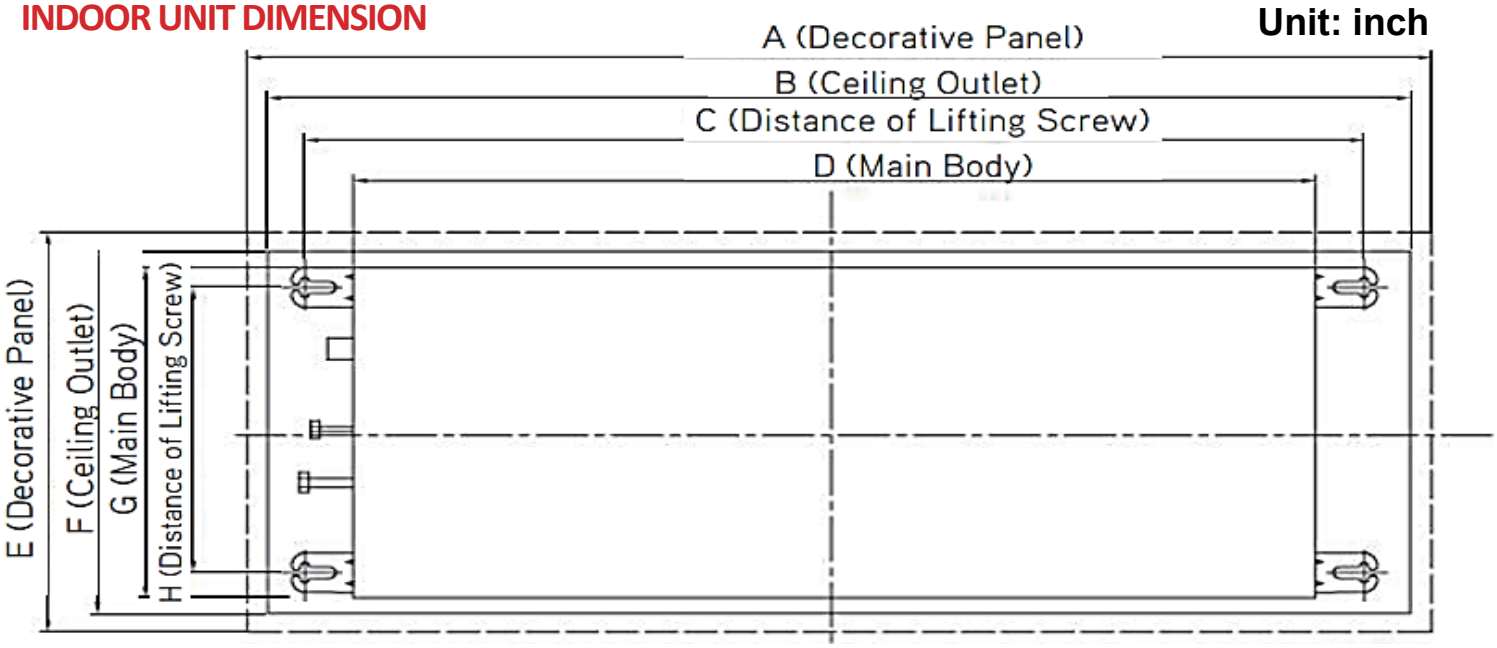
| SYSTEM FEATURES | |
|---|---|
| Multi Fan Speeds | 7 Speeds |
| Indoor Fan Type | Cross |
| Artificial Intelligence for Saving Energy | Version 1.0 |
| Wired Controller Interface | YES |
| Auxiliary Electrical Heater | Optional with XE71-00/E |
| Ventilation (Outdoor Air) | NO |
| Condensate Pump | 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: TLH12D32AI

## INDOOR UNIT DIMENSION

Unit: inch




| Item | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| Value | 47-1/4 | 43-57/64 | 40-7-16 | 38-55/64 | 18-7/64 | 16-11/32 | 15-5/32 | 10-9/32 |

**Net Weight: 43 LBS**

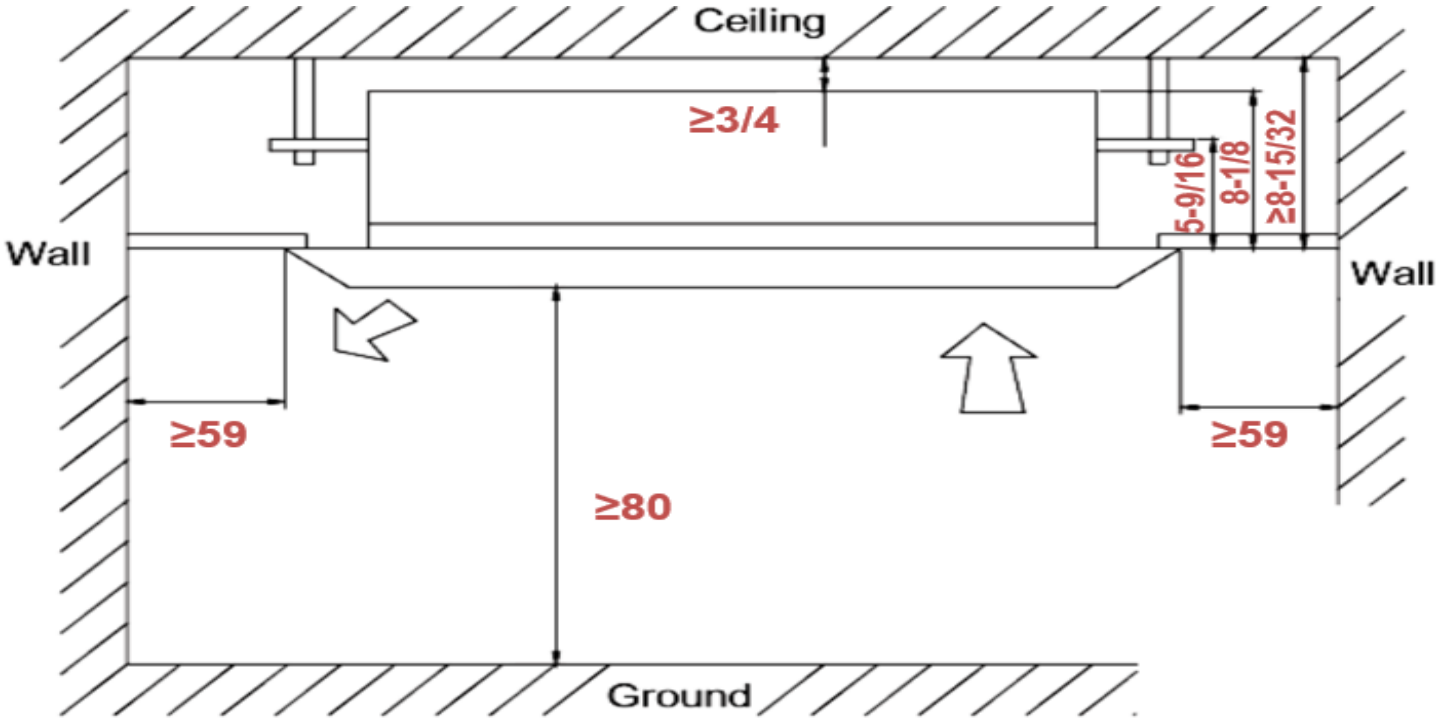
**Gross Weight: 59 LBS**

Factory Supplied Piping Adapters

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

## INDOOR CLEARANCE

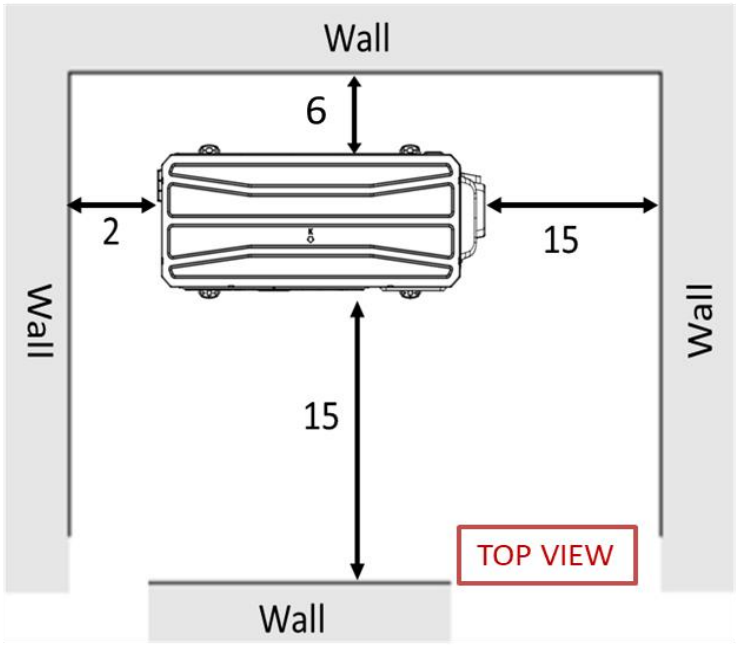
Unit: inch



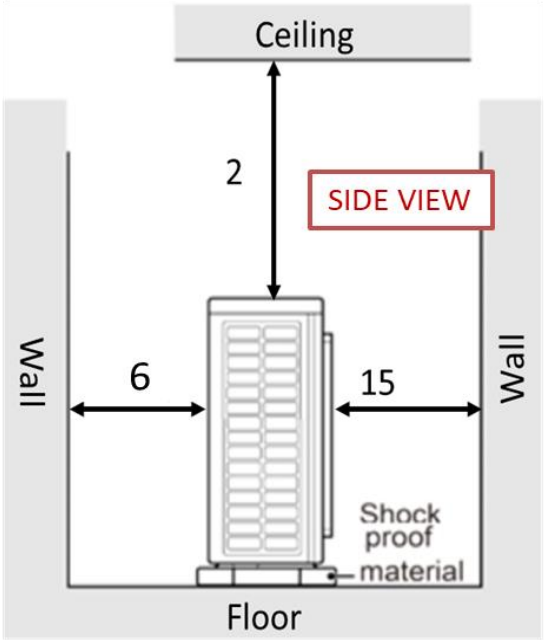
# DIMENSIONAL SPECIFICATIONS: TWH12PD32AO

## MINIMUM SPACING REQUIREMENTS

**Unit: inch**



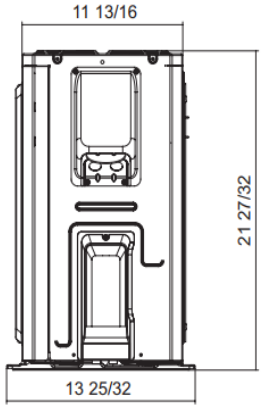

The ceiling should be open

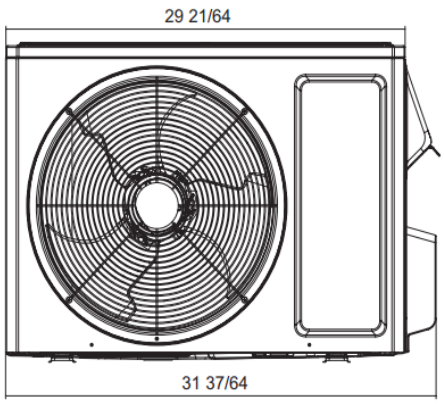


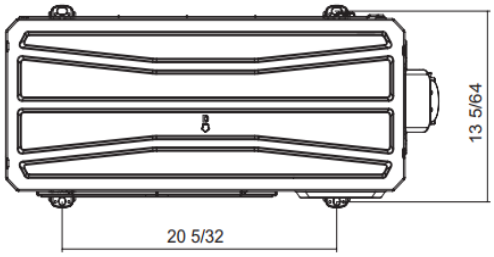

Either left or right side should be open

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.