# R32 SINGLE/MULTI- ZONE Floor Standing SYSTEM

**36,000 BTU / H Floor Standing**

## SUBMITTAL DATA: TVH36D32AI + TWH36CD32AO

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

**AHRI CERTIFIED REF** 218001458

**ENERGY STAR No.** 4515463





YBE1FB1F
(Standard)



YAW1F9
Cool-only
(Optional)



XE72-44/E
(Optional)



XE71-00/E
(Optional)




### SYSTEM RATINGS

| | |
|---|---|
| **Cooling** | |
| Rated Capacity @ 95° F | 33,600 BTU/H |
| Capacity Range | 7,850-41,000 BTU/H |
| Power Input | 2,800 W |
| Power Input (Min/Max) | 640 / 4,000 W |
| SEER2 / EER2 | 20.0 / 12.00 |
| **Heating** | |
| Rated Capacity @ 47° F | 34,000 BTU/H |
| Capacity Range | 10,000-37,500 BTU/H |
| Rated Capacity @ 17°F | 27,200 BTU/H |
| Rated Capacity @ 5°F | 24,400 BTU/H |
| Power Input | 2,680 W |
| Power Input (Min/Max) | 650 / 4,000 W |
| HSPF2 (Region IV / V) | 8.5 / 7.5 |
| COP @47°F / @5°F | 3.72 / 2.00 |
| **Operating Range** | |
| Cooling | -4°F ~ 122°F<br>-20°C ~ 50°C |
| Heating | -13°F ~ 75°F<br>-25°C ~ 24°C |
| **Power Supply** | |
| Rated | 208/230 V, 1 Phase, 60 Hz |
| Voltage Range | 187 - 253 V |
| Main Power Wire Size | Per Local Code |
| Wire Size between IDU & ODU | 14-4 AWG Unshielded |
| MCA | 23 A |
| MOCP/Max Breaker Size | 35 A |
| Moisture Protection | IPX4 |

### INDOOR UNIT DATA

| | |
|---|---|
| **Fan Motor** | |
| Type | Centrifugal |
| Dimension L x D x H (inch) | 23-7/64 × 15-33/64 × 74-6/64 |
| Output Power | 220 W |
| FLA | 1.7 A |
| Air flow (Min/Max) | 883/1,148 CFM |
| Dehumidification | 7.82 pt/hr |
| **Sound Pressure Level** | |
| Min / Max | 48 / 54 dB(A) |

### OUTDOOR UNIT DATA

| | |
|---|---|
| **Compressor** | |
| Type | DC Inverter Rotary |
| RLA | 16.0 A |
| **Fan Motor** | |
| Output Power | 90 W |
| FLA | 1.7 A |
| Sound Pressure Level | 54 dB(A) |
| **Refrigerant Piping Data** | |
| Liquid Pipe Size (OD) | 1/4-in |
| Gas Pipe Size (OD) | 5/8-in |
| Connection Method | Flared |
| Pre-Charged R32 Amount | 56.4 oz |
| Additional Charge | 0.4 oz/ft |
| Pre-Charge Length | 25-ft |
| MAX Refrigerant Pipe Length | 131-ft |
| MIN Refrigerant Pipe Length | 10-ft |
| MAX Refrigerant Pipe Height Difference | 82-ft |

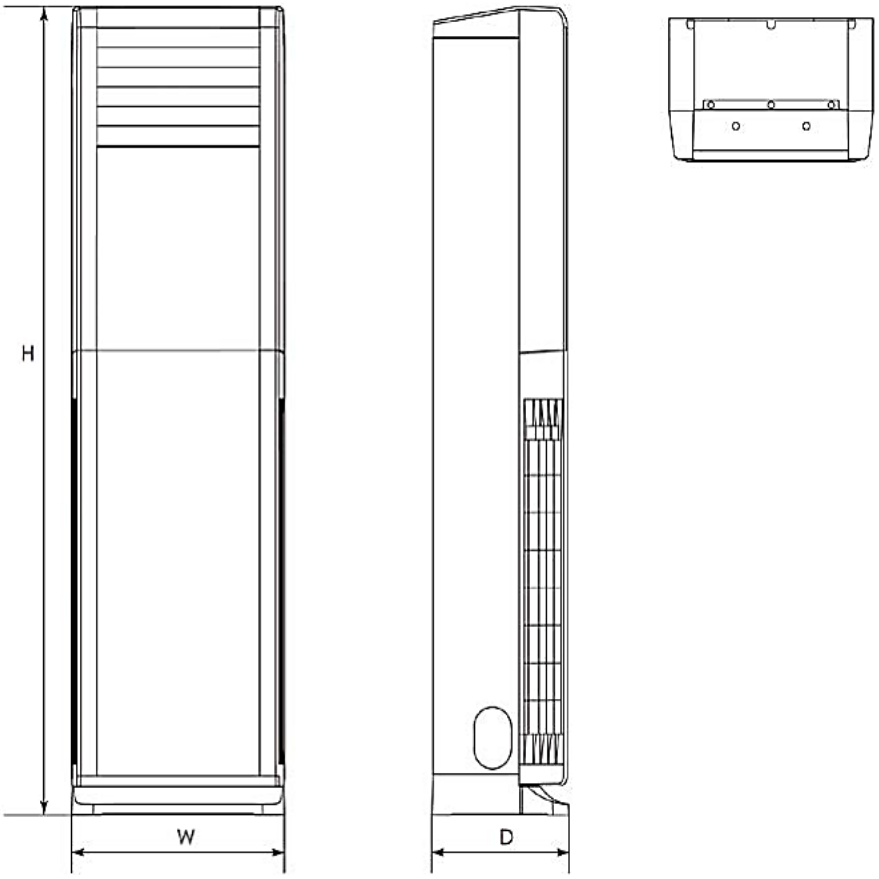
# FEATURES & FUNCTION SUMMARY: TVH36D32AI + TWH36CD32AO

| 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: TVH36D32AI

## INDOOR UNIT DIMENSION

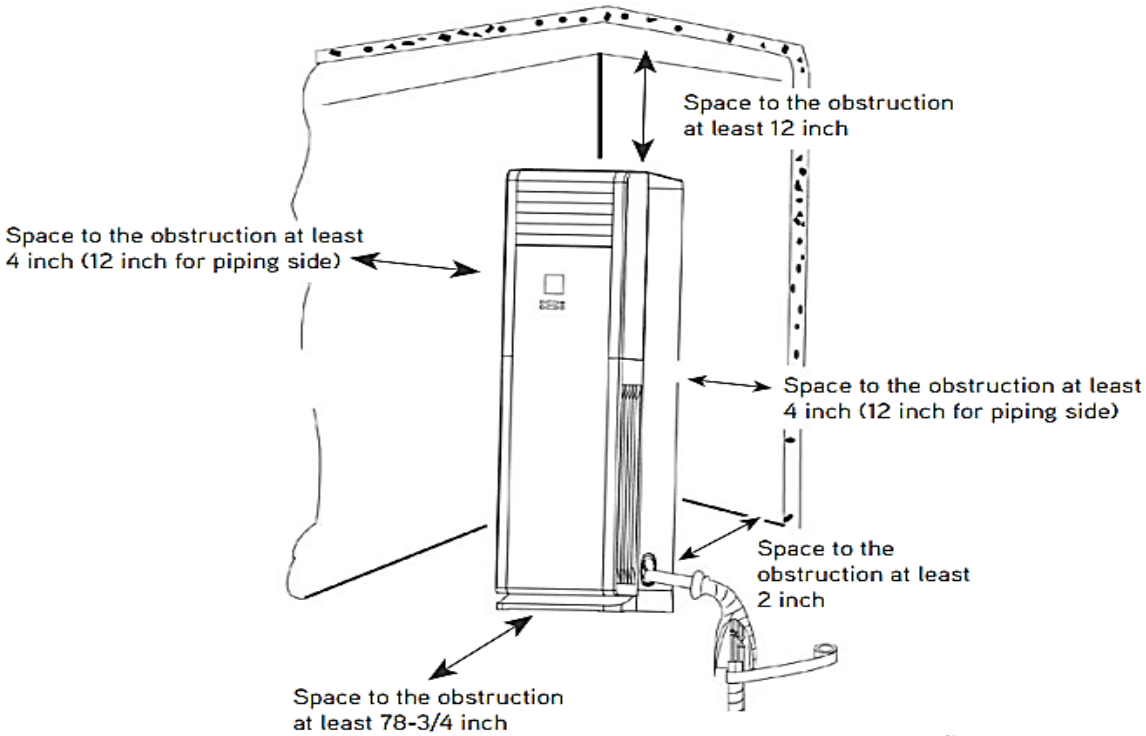



**Unit: inch**

| Item | Value |
|---|---|
| W | 23-7/64 |
| H | 74-3/32 |
| D | 15-33/64 |

**Net Weight: 131 LBS**
**Gross Weight: 157 LBS**

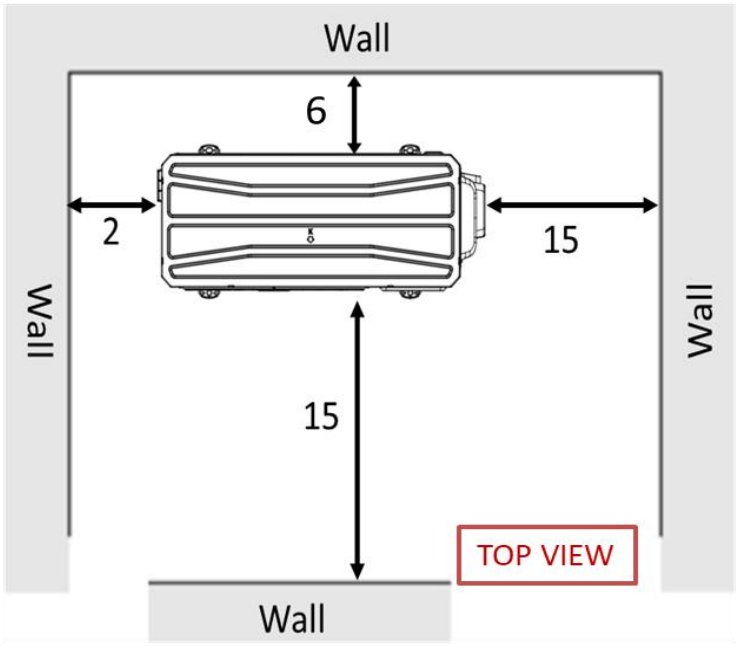
## INDOOR CLEARANCE



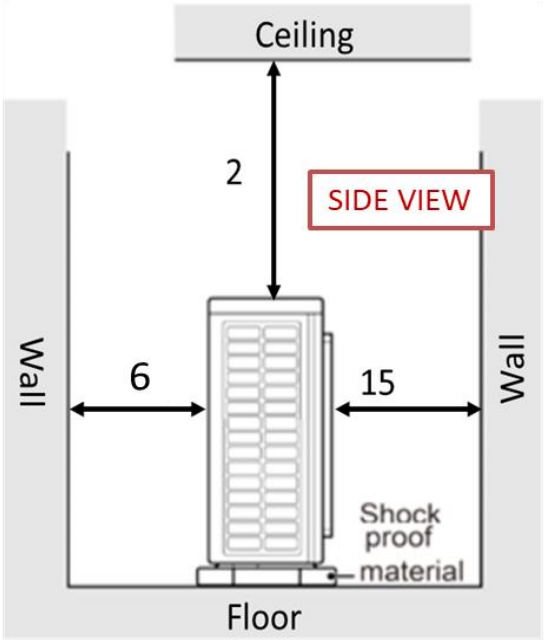
# DIMENSIONAL SPECIFICATIONS: : TWH36CD32AO

## MINIMUM SPACING REQUIREMENTS

**Unit: inch**



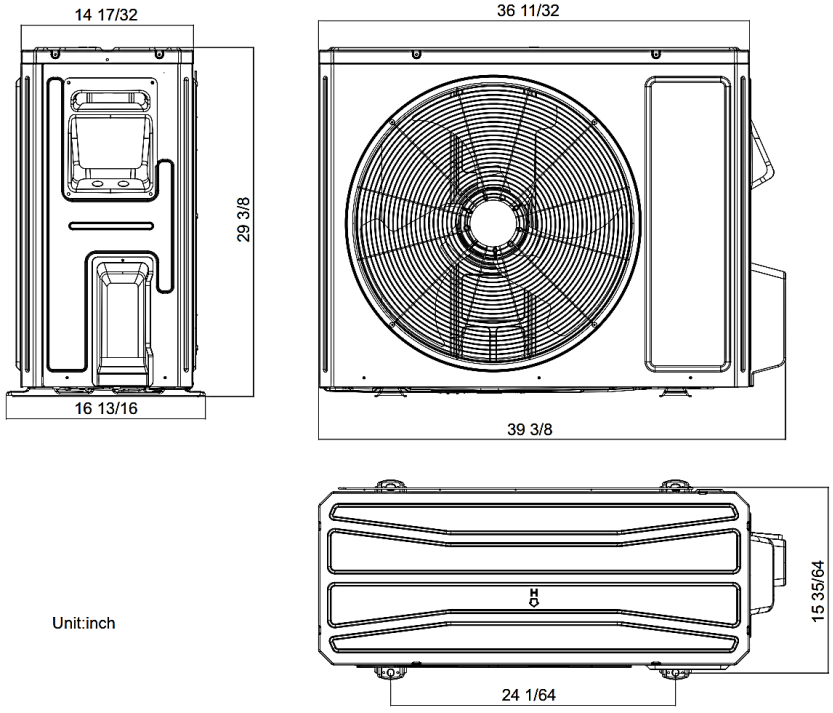

The ceiling should be open




Either left or right side should be open

Note: Wall height on air outlet side ≤ 50inch

## OUTDOOR UNIT DIMENSIONS




Unit:inch

**Weight (Net/Gross) 123 /134 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.