# MLZ-KX12NL
# 12,000 BTU/H CEILING-MOUNTED INDOOR UNIT

| | | | |
|---|---|---|---|
| **Job Name:** | | | |
| **System Reference:** | | **Date:** | |

## GENERAL FEATURES

- Wi-Fi Enabled: Wi-Fi enabled units pair with the Comfort app for complete control over temperature, fan speeds, modes, schedules, and more.
- Dual Barrier Coating: Dual Barrier Coating reduces the collection of contaminants like dust, fibers, smoke, and oil on the inner surface of the indoor unit.
- Smart Set: Smart Set conveniently adjusts to the preferred preset temperature by pressing a single button on the remote control.
- Auto Vane Control: Auto Vane Control allows the indoor unit vanes to be moved left, right, up, and down to provide even temperatures throughout a space.
- Econo Cool: Econo Cool is feature that temporarily adjusts the airflow to maintain comfort while using less energy.

| SPECIFICATIONS | | | SYSTEM |
|---|---|---|---|
| UNIT TYPE | | | MLZ-KX12NL |
| Cooling Capacity (Nominal)[1,3] | Cooling Capacity (Nominal) | Btu/h | 12000 |
| Heating Capacity (Nominal)[2,3] | Heating Capacity (Nominal) | Btu/h | 15400 |
| Electrical | Voltage, Phase, Frequency | V AC / V AC , ø , Hz | 208 / 230 , 1 , 60 |
| | Voltage: Indoor - Outdoor, S1-S2 | V AC | 208/230 |
| Indoor Unit | MCA | A | 1 |
| | Fan Motor Type | | DC Motor |
| | Fan Motor Output | W | 30 |
| | Airflow Rate at Cooling, Dry | CFM | 212 , 258 , 297 , 332 |
| | Airflow Rate at Heating, Dry | CFM | 212 , 272 , 311 , 350 |
| | Sound Pressure Level [Cooling] | dB (A) | 27 , 32 , 36 , 40 |
| | Sound Pressure Level [Heating] | dB (A) | 26 , 32 , 36 , 40 |
| | Dual Barrier Coating on Heat Exchanger | | No |
| | Dual Barrier Coating on Fan | | Yes |
| | Unit Dimensions (W x D x H) | inch x inch x inch [ mm x mm x mm ] | 43-3/8 x 14-3/16 x 7-5/16 [ 1102 x 360 x 185 ] |
| | Package Dimensions (W x D x H) | inch x inch x inch [ mm x mm x mm ] | 46-3/8 x 11-3/16 x 15-3/4 [ 1177 x 284 x 400 ] |
| | Unit Weight | lbs [ kg ] | 34 [ 15.50 ] |
| | Package Weight | lbs [ kg ] | 42 [ 19 ] |
| Refrigerant | Type | | R454B |
| Piping | Liquid Pipe Size O.D. | inch [ mm ] | 1/4 [ 6.35 ] |
| | Gas Pipe Size O.D. | inch [ mm ] | 3/8 [ 9.52 ] |
| Indoor Unit | Drain Pipe Size O.D. | inch [ mm ] | 1-1/16 [ 26 ] |

**Notes**

[1]Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test
[2]Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB
[3]Nominal capacity only. Actual capacity output varies based on the system specific configuration


© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

# INDOOR UNIT ACCESSORIES: MLZ-KX12NL

| | | |
|---|---|---|
| Condensate | Blue Diamond Sensor Extension Cable 15 Ft | ☐ C13-103 |
| | Blue Diamond MicroBlue Condensate Pump 115-230V up to 18k BTU/h | ☐ X86-003 |
| | Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended] | ☐ X87-711 |
| | Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h | ☐ X87-835 |
| | Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h | ☐ X88-721 |
| | Sauermann Condensate Pump 120-230V up to 60k BTU/h | ☐ SI30-230 |
| | Refco Condensate Pump 100-240V up to 120k BTU/h | ☐ COMBI |
| Control Interface | Wireless Interface 2 for Comfrot app | ☐ PAC-USWHS002-WF-2 |
| | M-Net I/O Control Interface for M-Series [2] | ☐ MAC-334IF-E |
| | Airzone Wireless Lite Controller Black | ☐ AZZBSLITERN |
| | Airzone Wireless Think Controller Black | ☐ AZZBSTHINKRN |
| | Procon BACnet® and Modbus® Interface | ☐ PAC-UKPRC001-CN-1 |
| | Airzone Wired Blueface Controller Black | ☐ AZZBSBLUEZEROCN |
| | Airzone Wireless Think Controller White | ☐ AZZBSTHINKRB |
| | Airzone Wireless Lite Controller White | ☐ AZZBSLITERB |
| | IT Extender | ☐ PAC-WHS01IE-E |
| | kumo station® for Comfort app | ☐ PAC-WHS01HC-E |
| | Thermostat Interface for 3rd Party Thermostats | ☐ PAC-US445CN-1 |
| | Airzone Wired Blueface Controller White | ☐ AZZBSBLUEZEROCB |
| Disconnect Switch | 30A600VUL fits 2 X 4 utility box - Black | ☐ TAZ-MS303 |
| | (30A/600V/UL) [fits 2” X 4” utility box] - White | ☐ TAZ-MS303W |
| Drain Hose | Flexible Mini-Split Drain Hose | ☐ DRX-16 |
| Filter | Anti-allergy Enzyme Filter | ☐ MAC-408FT-E |
| | Microparticle Filter | ☐ MAC-EMF515FT-E |
| Grille | Grille (Decoration panel) | ☑ MLP-449WU-U1 |
| Lineset | 65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation | ☐ MLS143812T-65 |
| | 50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation | ☐ MLS143812T-50 |
| | 30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation | ☐ MLS143812T-30 |
| | 15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation | ☐ MLS143812T-15 |
| N/A | | ☐ Unknown |
| Remote Sensor | Wireless temperature and humidity sensor for Comfort app | ☐ PAC-USWHS003-TH-1 |
| | Remote Temperature Sensor for MFZ MLZ and MSZ models | ☐ M21EAA307 |
| Terminal Signal Adapter | Backup Heat Relay Kit | ☐ CN24RELAY-KIT-CM3 |
| Wired Remote Controller | Simple Direct Wired Remote Controller | ☐ PAC-SDW01RC-1 |
| | Simple MA Remote Controller [1] | ☐ PAC-YT53CRAU-J |
| | Touch MA Remote Controller [1] | ☐ PAR-CT01MAU-SB |
| | Deluxe MA Wired Remote Controller [1] | ☐ PAR-42MAAUB |
| Wireless Remote Controller | Lockdown Bracket for Wireless Handheld Remote Controllers | ☐ RCMKP1CB |
| | Wireless RedLINK™ Remote Controller | ☐ MHK2 |
| **Notes** | | |

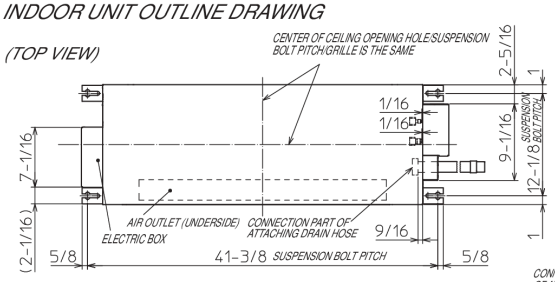

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

# INDOOR UNIT DIMENSIONS: MLZ-KX12NL

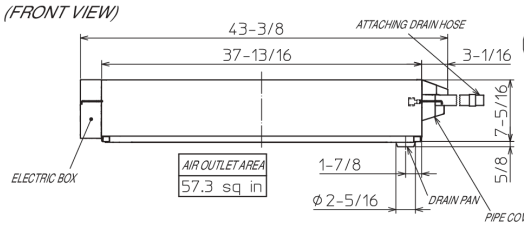
*MLZ-KX09NL - U1*
*MLZ-KX12NL - U1*
*MLZ-KX18NL - U1*

## INDOOR UNIT OUTLINE DRAWING

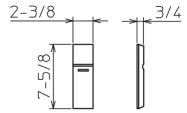
(TOP VIEW)



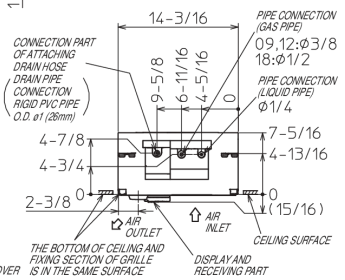

(FRONT VIEW)



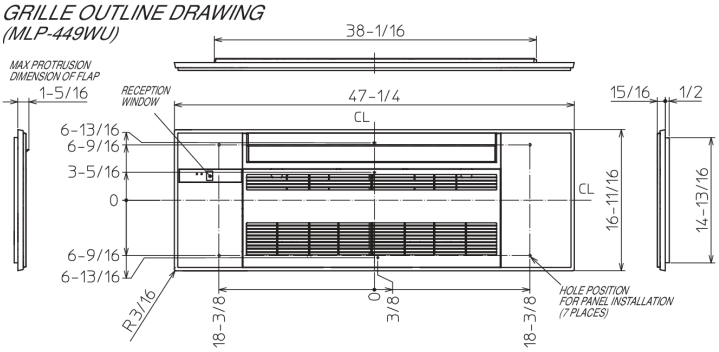

## REMOTE CONTROLLER OUTLINE DRAWING




(RIGHT SIDE VIEW)



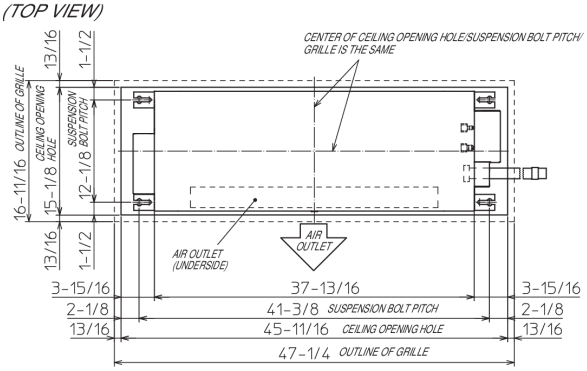

## GRILLE OUTLINE DRAWING
(MLP-449WU)



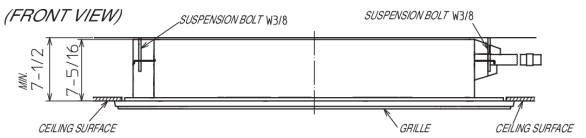

| | | KX09/12NL | KX18NL |
|---|---|---|---|
| EXTENSION PIPE | LIQUID PIPE O.D. | ø1/4 | |
| | GAS PIPE O.D. | ø3/8 | ø1/2 |
| CONNECTIONG OF PIPE | LIQUID PIPE | FLARED CONNECTION ø1/4 | |
| | GAS PIPE | FLARED CONNECTION ø3/8 | FLARED CONNECTION ø1/2 |
| DRAIN HOSE | | HEAT INSULATER O.D. ø1-1/4 / CONNECTION I.D. ø1 / EFFECTIVE LENGTH 18-7/8 | |
| DRAIN PIPE CONNECTION | | RIGID PVC PIPE O.D. ø1 (26mm) | |

NOTE 1. CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.

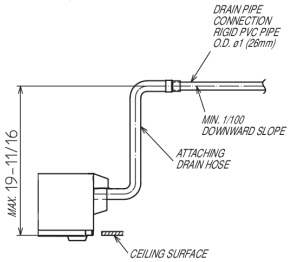
## INDOOR UNIT DETAIL VIEW
(TOP VIEW)




(FRONT VIEW)




## THE METHOD FOR STANDING DRAIN FROM INDOOR UNIT
* CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.




1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 · mitsubishicomfort.com

METUS_2026-04_PROPIN

Intertek

Specifications are subject to change without notice.

© 2025 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.