# TPLA0A0301EA70B & TRUZH0301KA00NA
## 30,000 BTU/H 3' X 3' CEILING CASSETTE
## 30,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR

Job Name:

System Reference: Date:

Indoor Unit.....TPLA0A0301EA70B

Outdoor Unit.....TRUZH0301KA00NA

INDOOR UNIT FEATURES

- Space-efficient ductless installation
- Equipped with 3D i-see Sensor® for enhanced comfort and energy efficiency
- Airflow settings for high and low ceiling applications
- Individual vane settings for direct/indirect airflow control or variable airflow patterns
- Knockouts for outside-air intake and branch-duct run
- Filter indicator signal
- Easy-to-clean, washable filter (optional high-efficiency filter available - requires multi-function casement)
- Built-in condensate lift mechanism
- Ideal for retail shops, classrooms, office spaces, conference centers, building lobbies, and more
- Multiple control options available:
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- Wide heating range: heating performance down to -13°F (average of 80% heating capacity)
- High speed heating at start up: Hyper-Heating INVERTER® reduces the time for heating at start up by about half compared to standard models
- Pre-charged with refrigerant volume for piping length up to 70 ft.
- High pressure/temperature protection
- Built-in base pan heater
- Flash injection circuit provides efficient high heating capacities at low ambient temperatures

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# SPECIFICATIONS: TPLA0A0301EA70B & TRUZH0301KA00NA

| | | | |
|---|---|---|---|
| Cooling at 95°F[1] | Maximum Capacity | BTU/H | 30,000 |
| | Rated Capacity | BTU/H | 30,000 |
| | Minimum Capacity | BTU/H | 14,600 |
| | Maximum Power Input | W | 2,120 |
| | Rated Power Input | W | 2,120 |
| | Moisture Removal | Pints/h | 5.4 |
| | Sensible Heat Factor | | 0.80 |
| | Power Factor [208V / 230V] | % | 98.0 / 98.0 |
| Heating at 47°F[2] | Maximum Capacity | BTU/H | 34,000 |
| | Rated Capacity | BTU/H | 32,000 |
| | Minimum Capacity | BTU/H | 14,200 |
| | Maximum Power Input | W | 2,510 |
| | Rated Power Input | W | 2,260 |
| | Power Factor [208V / 230V] | % | 98.0 / 98.0 |
| Heating at 17°F[3] | Maximum Capacity | BTU/H | 32,000 |
| | Rated Capacity | BTU/H | 20,600 |
| | Maximum Power Input | W | 3,935 |
| | Rated Power Input | W | 2,365 |
| Heating at 5°F[4] | Maximum Capacity | BTU/H | 32,000 |
| | Maximum Power Input | W | 4,645 |
| Heating at -13°F[7] | Maximum Capacity | BTU/H | 25,600 |
| Efficiency | SEER2 | | 20.2 |
| | EER2[1] | | 14.1 |
| | HSPF2 [IV] | | 8.8 |
| | COP at 47°F[2] | | 4.1 |
| | COP at 17°F at Maximum Capacity[3] | | 2.3 |
| | COP at 5°F at Maximum Capacity[4] | | 2.0 |
| Electrical | Voltage, Phase, Frequency | | 208/230, 1, 60 |
| | Guaranteed Voltage Range | V AC | 198 - 253 |
| | Voltage: Indoor - Outdoor, S1-S2 | V AC | 208/230 |
| | Voltage: Indoor - Outdoor, S2-S3 | V DC | 24 |
| | Short-circuit Current Rating [SCCR] | kA | 5 |
| | Recommended Fuse/Breaker Size (Oudoor) | A | 35 |
| | Recommended Wire Size [Indoor - Outdoor] | AWG | 14 |
| | Power Supply | | Indoor unit is powered by the outdoor unit |
| Indoor Unit | MCA | A | 1.0 |
| | Fan Motor Full Load Amperage | A | 0.59 |
| | Fan Motor Type | | DC Motor |
| | Airflow Rate at Cooling, Dry | CFM | 570–670–780–880 |
| | Airflow Rate at Cooling, Wet | CFM | 530–630–740–840 |
| | Airflow Rate at Heating, Dry | CFM | 570–670–780–880 |
| | Sound Pressure Level [Cooling] | dB[A] | 28–32–35–38 |
| | Sound Pressure Level [Heating] | dB[A] | 28–32–35–38 |
| | Drain Pipe Size | In. [mm] | 1-1/4 [32] |
| | Condensate Lift Mechanism, Maximum Distance | In. [mm] | 33-7/16 [849] |
| | Coating on Heat Exchanger | | — |
| | External Finish Color | | White Munsell 6.4Y 8.9/0.4 |
| | Unit Dimensions | W x D x H: In. [mm] | 33-1/16 // 37-13/32 x 33-1/16 // 37-13/32 x 11-3/4 // 1-9/16 [840 // 950 x 840 // 950 x 298 // 40] |
| | Package Dimensions | W x D x H: In. [mm] | 35-9/16 // 39-6/16 x 34-5/16 // 38-3/16 x 16-9/16 // 4-12/16 [903 // 1,000 x 871 // 970 x 421 // 121] |
| | Unit Weight | Lbs. [kg] | 56 // 11 [25 // 5] |
| | Package Weight | Lbs. [kg] | 77 [35] |
| Indoor Unit Operating Temperature Range | Cooling Intake Air Temp [Maximum / Minimum]* | °F | 90 DB, 72 WB / 66 DB, 61 WB |
| | Heating Intake Air Temp [Maximum / Minimum] | °F | 77 DB / 59 DB |

NOTES:

| | | | |
|---|---|---|---|
| AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) | [1]Cooling (Indoor // Outdoor) | °F | 80 DB, 67 WB // 95 DB, 75 WB |
| | [2]Heating at 47°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 47 DB, 43 WB |
| | [3]Heating at 17°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 17 DB, 15 WB |
| Conditions | [4]Heating at 5°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 5 DB, 4 WB |
| | [7]Heating at -13°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // -13 DB, -14 WB |

* Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):
- Wind baffles required to operate below 23°F DB in cooling mode.
- Refer to wind baffle documentation for further information.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures):
- System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

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# SPECIFICATIONS: TPLA0A0301EA70B & TRUZH0301KA00NA

| | | | |
|---|---|---|---|
| Outdoor Unit | MCA | A | 24.0 |
| | MOCP | A | 40 |
| | Fan Motor Output | W | 74 |
| | Airflow Rate [Cooling / Heating] | CFM | 3880 / 3880 |
| | Refrigerant Control | | LEV |
| | Defrost Method | | Reverse Cycle |
| | Sound Pressure Level, Cooling[1] | dB(A) | 52 |
| | Sound Pressure Level, Heating[2] | dB(A) | 53 |
| | Compressor Type | | Scroll |
| | Compressor Model | | ANB33FJMMT |
| | Compressor Rated Load Amps | A | 18 |
| | Compressor Locked Rotor Amps | A | 27.5 |
| | Compressor Oil [Type // Charge] | oz. | FV50S // 1.4,47 |
| | External Finish Color | | Ivory Munsell 3Y 7.8/1.1 |
| | Base Pan Heater | | Built-in |
| | Unit Dimensions | W x D x H: In. [mm] | 41-5/16 x 14-3/16 x 52-11/16 [1050 x 360 x 1338] |
| | Package Dimensions | W x D x H: In. [mm] | 43 x 18 x 57 [1110 x 480 x 1440] |
| | Unit Weight | Lbs. [kg] | 261 [118] |
| | Package Weight | Lbs. [kg] | 285 [129] |
| Outdoor Unit Operating Temperature Range | Cooling Air Temp [Maximum / Minimum]* | °F | 115 DB / 0 DB |
| | Heating Air Temp [Maximum / Minimum] | °F | 70 DB, 59 WB / -13 DB, -13 WB |
| | Heating Thermal Lock-out / Re-start Temperatures** | °F | -22 / -13 |
| Refrigerant | Type | | R410A |
| | Pre-Charged Refrigerant Amount | Lbs, oz | 11.0, 7.0 |
| | Maximum Pre-Charged Piping Length | Ft. [m] | 100.0 [30.0] |
| | Additional Refrigerant Charge Per Additional Piping Length | oz./Ft. [g/m] | .7 [56] |
| Piping | Gas Pipe Size O.D. [Flared] | In.[mm] | 5/8 [15.88] |
| | Liquid Pipe Size O.D. [Flared] | In.[mm] | 3/8 [9.52] |
| | Maximum Piping Length | Ft. [m] | 245 [75] |
| | Maximum Height Difference | Ft. [m] | 100 [30] |
| | Maximum Number of Bends | | 15 |

NOTES:

| | | | |
|---|---|---|---|
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| | [2]Heating at 47°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 47 DB, 43 WB |
| | [3]Heating at 17°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 17 DB, 15 WB |
| Conditions | [4]Heating at 5°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 5 DB, 4 WB |
| | [7]Heating at -13°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // -13 DB, -14 WB |

* Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):
- Wind baffles required to operate below 23°F DB in cooling mode.
- Refer to wind baffle documentation for further information.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures):
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# INDOOR UNIT ACCESSORIES: TPLA0A0301EA70B

| | | |
|---|---|---|
| Control Interface | 3-Pin Connector | ☐ PAC-715AD |
| | Airzone ZBS Wired Blueface Principal Controller White | ☐ AZZBSBLUEFACECB |
| | Airzone ZBS Wired Blueface Principal Controller White | ☐ AZZBSBLUEZEROCB |
| | Airzone ZBS Wired Lite Controller White | ☐ AZZBSLITECB |
| | Airzone ZBS Wireless Lite Controller White | ☐ AZZBSLITERB |
| | Airzone ZBS Wireless Think Controller White | ☐ AZZBSTHINKRB |
| | CN24 Relay Kit | ☐ CN24RELAY-KIT-CM3 |
| | IT Extender | ☐ PAC-WHS01IE-E |
| | kumo station® for kumo cloud® | ☐ TAC-WHS01HC-E |
| | Procon BACnet® and Modbus® Interface | ☐ PAC-UKPRC001-CN-1 |
| | Remote Operation Adapter‡ | ☐ PAC-SF40RM-E |
| | Thermostat Interface | ☐ PAC-US444CN-1 |
| | Thermostat Interface | ☐ PAC-US445CN-1 |
| | USNAP Adapter | ☐ PAC-WHS01UP-E |
| | Wireless Interface for kumo cloud® | ☐ PAC-USWHS002-WF-2 |
| Remote Sensor | Flush Mount Remote Temperature Sensor | ☐ PAC-USSEN002-FM-1 |
| | Flush Mount Temperature Sensor | ☐ PAC-USSEN001-FM-1 |
| | Remote Temperature Sensor | ☐ PAC-SE41TS-E |
| | Wireless temperature and humidity sensor for kumo cloud® | ☐ PAC-USWHS003-TH-1 |
| Wired Remote Controller | Deluxe Wired MA Remote Controller† | ☐ TAR-40MAAU |
| | Simple Ductless Wired Remote Controller | ☐ PAC-SDW01RC-1 |
| | Simple MA Remote Controller† | ☐ TAC-YT53CRAU-J |
| | Touch MA Controller† | ☐ TAR-CT01MAU-SB |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller | ☐ MHK2 |
| | Lockdown bracket for remote controller | ☐ RCMKP1CB |
| | Wireless MA Receiver | ☐ PAR-SR32MA-E |
| | Wireless MA Remote Controller | ☐ TAR-FL32MA-E |
| | Wireless Remote Contoller | ☐ PAR-SL101A-E |
| | Wireless Signal Receiver Panel | ☐ PAR-SR4LU-E |
| Casement | Multi-function Casement | ☐ PAC-SJ41TM-E |
| Condensate | Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended] | ☐ X87-721 |
| | Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor | ☐ X87-835 |
| | Blue Diamond Sensor Extension Cable — 15 Ft. | ☐ C13-103 |
| | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H | ☐ COMBI |
| Disconnect Switch | (30A/600V/UL) [fits 2” X 4” utility box] - Black | ☐ TAZ-MS303 |
| | (30A/600V/UL) [fits 2” X 4” utility box] - White | ☐ TAZ-MS303W |
| Filter | High Efficiency Filter Element** | ☐ PAC-SH59KF-E |
| i-see Sensor® Panel | Grille with 3D i-see Sensor® (required) | ✔ TLP-41EAEU |
| Lineset | 10’ x 3/8” x 10’ x 5/8” Lineset (Twin-Tube Insulation) | ☐ MPLS385812T-10 |
| | 100’ x 3/8” x 100’ x 5/8” Lineset (Twin-Tube Insulation) | ☐ MPLS385812T-100 |
| | 15’ x 3/8” x 15’ x 5/8” Lineset (Twin-Tube Insulation) | ☐ MPLS385812T-15 |
| | 30’ x 3/8” x 30’ x 5/8” Lineset (Twin-Tube Insulation) | ☐ MPLS385812T-30 |
| | 50’ x 3/8” x 50’ x 5/8” Lineset (Twin-Tube Insulation) | ☐ MPLS385812T-50 |
| | 65’ x 3/8” x 65’ x 5/8” Lineset (Twin-Tube Insulation) | ☐ MPLS385812T-65 |
| Shutter Plate | Shutter Plate | ☐ PAC-SJ37SP-E |
| Space Panel | Space Panel | ☐ PAC-SJ38AS-E |

NOTES:
‡PAC-SF40RM-E (Unable to use with wireless remote controller)


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# OUTDOOR UNIT ACCESSORIES: TRUZH0301KA00NA

| | | |
|---|---|---|
| Air Outlet Guide | Air Outlet Guide (1 Piece) | ☐ PAC-SH96SG-E (two pieces are required) |
| Centralized Drain Pan | Central Drain Pan | ☐ PAC-SH97DP-E |
| Control/Service Tool | Control/Service Tool | ☐ PAC-SK52ST |
| Hail Guards | Hail Guard | ☐ HG-A2 |
| M-NET Converter | M-NET Converter | ☐ PAC-SJ85MA-E |
| | M-NET Converter | ☐ PAC-SJ95MA-E |
| Mounting Pad | Condensing Unit Mounting Pad: 24” x 42” x 3” | ☐ ULTRILITE2 |
| Optional Defrost Heater | Optional Defrost Heater | ☐ PAC-SJ20BH-E |
| Stand | 18” Dual Fan Stand | ☐ QSMS1802M |
| | 24” Dual Fan Stand | ☐ QSMS2402M |
| | Condenser Wall Bracket | ☐ QSWB2000M-1 |
| | Condenser Wall Bracket - Stainless Steel Finish | ☐ QSWBSS |
| | Outdoor Unit Stand — 12” High | ☐ QSMS1202M |
| Wind Baffle | Front Wind Baffle | ☐ WB-PA3 (two pieces are required) |


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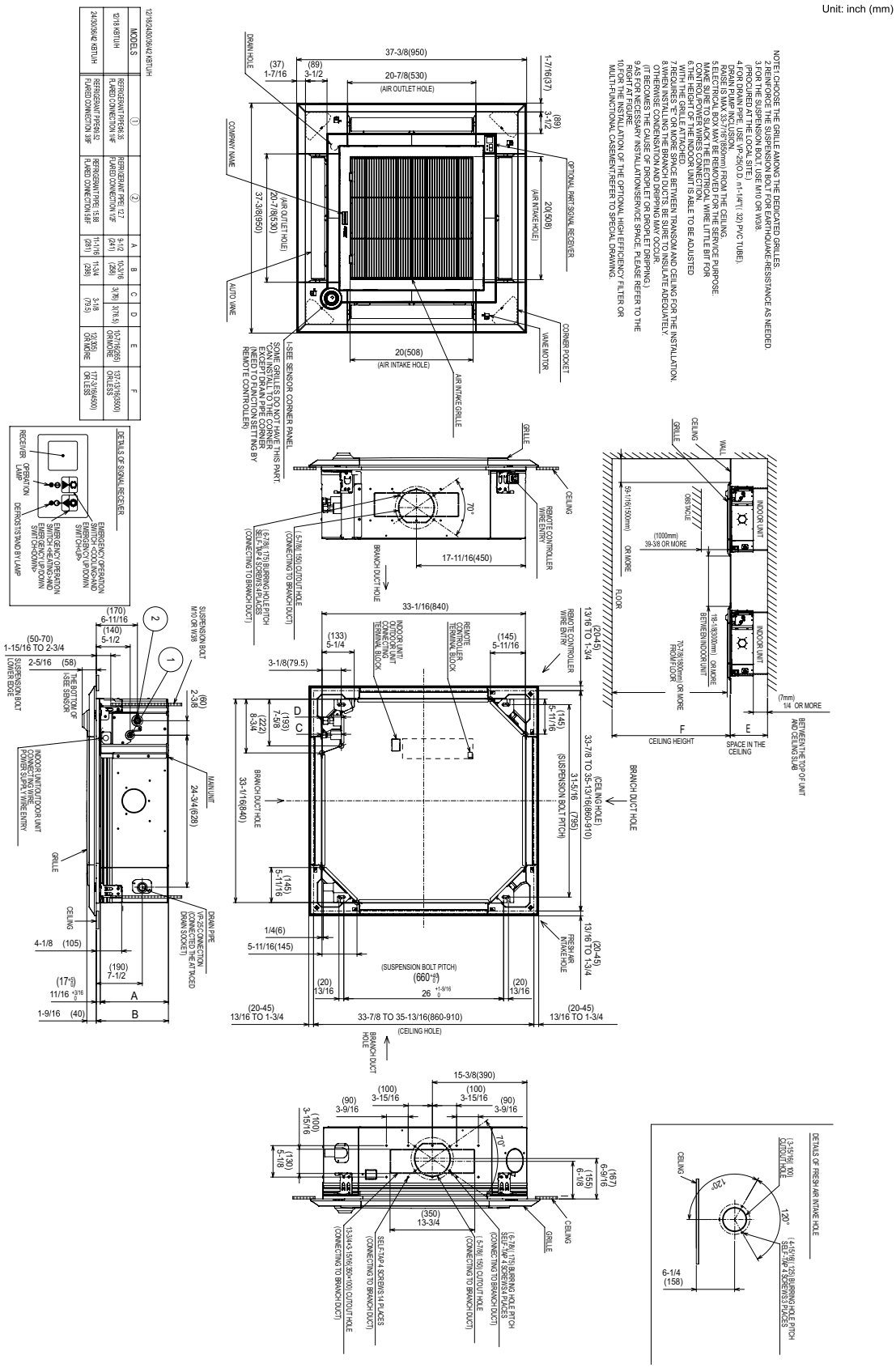
# INDOOR UNIT DIMENSIONS: TPLA0A0301EA70B




| MODELS | ① | ② | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 12/18 KBTUH | REFRIGERANT TPERR:3/8 FLARED CONNECTION :1/4F | REFRIGERANT PPE: 1/2.7 FLARED CONNECTION :1/2F | 9-1/2 (241) | 10-3/16 (258) | 3(76) | 3(75.5) | 10-7/16(265) OR MORE | 137-13/16(3500) OR LESS |
| 24/30/36/42 KBTUH | REFRIGERANT TPERR:3/8 FLARED CONNECTION :3/8F | REFRIGERANT TPPE: 5/8 FLARED CONNECTION :5/8F | 11-1/16 (281) | 11-3/4 (298) | 3-1/8 (79.5) | | 12(305) OR MORE | 177-13/16(4500) OR LESS |

12/18/24/30/36/42 KBTUH



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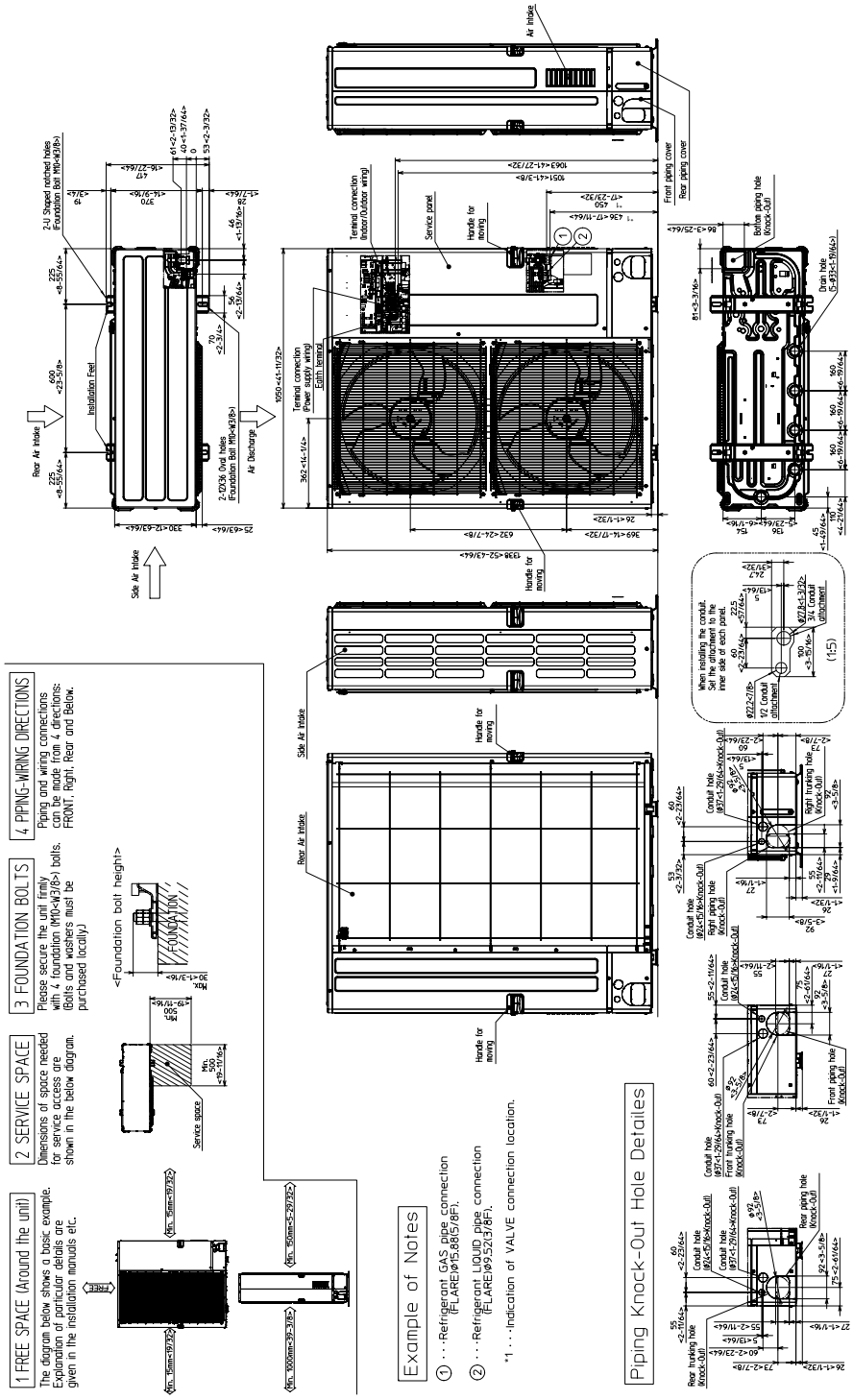
# OUTDOOR UNIT DIMENSIONS: TRUZH0301KA00NA

**Unit: mm<in>**



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