# NTXAMT36A112AA & NTXSKH36A112AA
## 36,000 BTU/H MULTI-POSITION AIR HANDLER
## 36,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR UNIT

Job Name:

System Reference: Date:

Indoor Unit ..... NTXAMT36A112AA

Outdoor Unit ..... NTXSKH36A112AA

INDOOR UNIT FEATURES

- Ducted air handler provides a solution to cool and heat large zones
- Highly efficient totally enclosed ECM motor
- Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Positive pressure cabinet with air leakage of less than 2.0% at 1.0 In.WG (Tested per ASHRAE Standard 193)
- Unique blow through design allows simple coil cleaning when the blower is removed
- Multi-position installation: horizontal (left or right), vertical (up or down)
- Optional electric heat kit for additional heat capacity
- Optional humidifier control and ERV control
- Built-in humidifier control, ERV control and auxiliary heat control
- Optional downflow kit
- Multiple control options available:
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Hyper-heating performance offers 100% heating capacity at 5° F
- Hot-Start Technology: no cold air rush at equipment startup or when restarting after Defrost Cycle
- Quiet operation
- Built-in base pan heater
- Innovative Joint Lap DC Motor leads to high efficiency and reliability
- Pulse Amplitude Modulation technology

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# SPECIFICATIONS: NTXAMT36A112AA & NTXSKH36A112AA

| | | | |
|---|---|---|---|
| Cooling at 95°F[1] | Maximum Capacity | BTU/H | 36,000 |
| | Rated Capacity | BTU/H | 36,000 |
| | Minimum Capacity | BTU/H | 14,200 |
| | Maximum Power Input | W | 3,760 |
| | Rated Power Input | W | 3,760 |
| | Moisture Removal | Pints/h | 8.4 |
| | Sensible Heat Factor | | 0.74 |
| | Power Factor [208V / 230V] | % | 97.0 / 97.0 |
| Heating at 47°F[2] | Maximum Capacity | BTU/H | 40,000 |
| | Rated Capacity | BTU/H | 37,000 |
| | Minimum Capacity | BTU/H | 13,800 |
| | Maximum Power Input | W | 4,160 |
| | Rated Power Input | W | 3,280 |
| | Power Factor [208V / 230V] | % | 98.0 / 98.0 |
| Heating at 17°F[3] | Maximum Capacity | BTU/H | 37,000 |
| | Rated Capacity | BTU/H | 32,800 |
| | Maximum Power Input | W | 5,800 |
| | Rated Power Input | W | 4,230 |
| Heating at 5°F[4] | Maximum Capacity | BTU/H | 37,000 |
| | Maximum Power Input | W | 6,590 |
| Heating at -13°F[7] | Maximum Capacity | BTU/H | 29,600 |
| Efficiency | SEER \| SEER2 | | 16.0 \| 16.0 |
| | EER[1] \| EER2[1] | | 9.5 \| 9.5 |
| | HSPF [IV] \| HSPF2 [IV] | | 9.0 \| 9.0 |
| | COP at 47°F[2] | | 3.3 |
| | COP at 17°F at Maximum Capacity[3] | | 1.8 |
| | COP at 5°F at Maximum Capacity[4] | | 1.6 |
| | ENERGY STAR® Certified | | No |
| Electrical | Voltage, Phase, Frequency | | 208/230, 1, 60 |
| | Guaranteed Voltage Range | V AC | 187 - 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 | 4.13 |
| | Fan Motor Full Load Amperage | A | 3.3 |
| | Fan Motor Type | | DC Motor |
| | Airflow Rate at Cooling, Dry | CFM | 767–910–910 |
| | Airflow Rate at Heating, Dry | CFM | 767–910–910 |
| | Sound Pressure Level [Cooling] | dB[A] | 35–40–42 |
| | Sound Pressure Level [Heating] | dB[A] | 35–40–42 |
| | External Static Pressure | in.WG | 0.30–0.5–0.8 |
| | Drain Pipe Size | In. [mm] | 3/4 [19.05] |
| | Coating on Heat Exchanger | | — |
| | External Finish Color | | Hot-dip coated steel (ZAM) |
| | Unit Dimensions | W x D x H: In. [mm] | 21 x 21-5/8 x 43-3/4 [533 x 549 x 1,111] |
| | Package Dimensions | W x D x H: In. [mm] | 21 x 28-3/4 x 48-3/8 [558 x 730 x 1,228] |
| | Unit Weight | Lbs. [kg] | 119 [54] |
| | Package Weight | Lbs. [kg] | 141 [64] |
| Indoor Unit Operating Temperature Range | Cooling Intake Air Temp [Maximum / Minimum]* | °F | 90 DB, 72 WB / 68 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]):
- Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

**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: NTXAMT36A112AA & NTXSKH36A112AA

| | | | |
|---|---|---|---|
| Outdoor Unit | MCA | A | 26.0 |
| | MOCP | A | 42 |
| | Fan Motor Output | W | 74 |
| | Airflow Rate [Cooling / Heating] | CFM | 590 / 680 |
| | 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 | 75 DB, 65 WB / -13 DB, -14 WB |
| | Heating Thermal Lock-out / Re-start Temperatures** | °F | -22 / -13 |
| Refrigerant | Type | | R410A |
| | Maximum Charge Quantity | Lbs, oz | 11.0, 7.0 |
| | Initial Charge Quantity | Ft. [m] | 100.0 [30.0] |
| | Additional Refrigerant Charge Per Additional Piping Length | oz./Ft. [g/m] | 0 [0] |
| 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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| 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]):
- Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

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# INDOOR UNIT ACCESSORIES: NTXAMT36A112AA

| | | |
|---|---|---|
| Control Interface | 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 |
| | BACnet® and Modbus® Interface | PAC-UKPRC001-CN-1 |
| | CN24 Relay Kit | CN24RELAY-KIT-CM3 |
| | Connector cable for remote display | PAC-SA88HA-EP |
| | IT Extender | PAC-WHS01IE-E |
| | kumo station® for kumo cloud® | TAC-WHS01HC-E |
| | Remote Operation Adapter‡ | PAC-SF40RM-E |
| | 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 humitity sensor for kumo cloud® | PAC-USWHS003-TH-1 |
| Wired Remote Controller | Deluxe Wired MA Remote Controller† | TAR-40MAAU |
| | Simple MA Remote Controller† | TAC-YT53CRAU-J |
| | Touch MA Controller† | TAR-CT01MAU-SB |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller | MHK2 |
| | Wireless MA Receiver | PAR-SR32MA-E |
| | Wireless MA Remote Controller | TAR-FL32MA-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 |
| Control Wire | 20/2PR, 1PR shielded + 1PR plenum wire for Airzone, 100 ft reel | CW2042S2-100 |
| | 20/2PR, shielded + 1PR plenum wire for Airzone, 500 ft reel | CW2042S2-500 |
| 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 |
| Downflow Kit | Downflow Kit | DFK-M |
| Electric Heat Lockout | Electric Heat Lockout | ETC-211020-MIT |
| Electric Kit Heats | 10kW Electric Heater | EH10-SVZ-M |
| | 5kW Electric Heater | EH05-SVZ-M |
| | 8kW Electric Heater | EH08-SVZ-M |
| 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 |
| Terminal Block | Separate Terminal Power Block | SPTB1 |

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


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# OUTDOOR UNIT ACCESSORIES: NTXSKH36A112AA

| | | |
|---|---|---|
| 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 | M- & P-Series Maintenance Tool Cable Set | M21EC0397 |
| | USB/UART Conversion Cable (Required for all laptop connection) | M21EC1397 |
| Drain Socket | Drain Socket | PAC-SH71DS-E |
| Hail Guards | Hail Guard | HG-A2 |
| Mini-Split Wire | 14 Gauge, 4 wire MiniSplit Cable—250 ft. roll | S144-250 |
| | 14 Gauge, 4 wire MiniSplit Cable—50 ft. roll | S144-50 |
| | 16 Gauge, 4 wire MiniSplit Cable—250 ft. roll | S164-250 |
| | 16 Gauge, 4 wire MiniSplit Cable—50 ft. roll | S164-50 |
| Mounting Pad | Condensing Unit Mounting Pad: 24” x 42” x 3” | ULTRILITE2 |
| Stand | 18” Dual Fan Stand | QSMS1802M |
| | 24” Dual Fan Stand | QSMS2402M |
| | Outdoor Unit Stand — 12” High | QSMS1202M |


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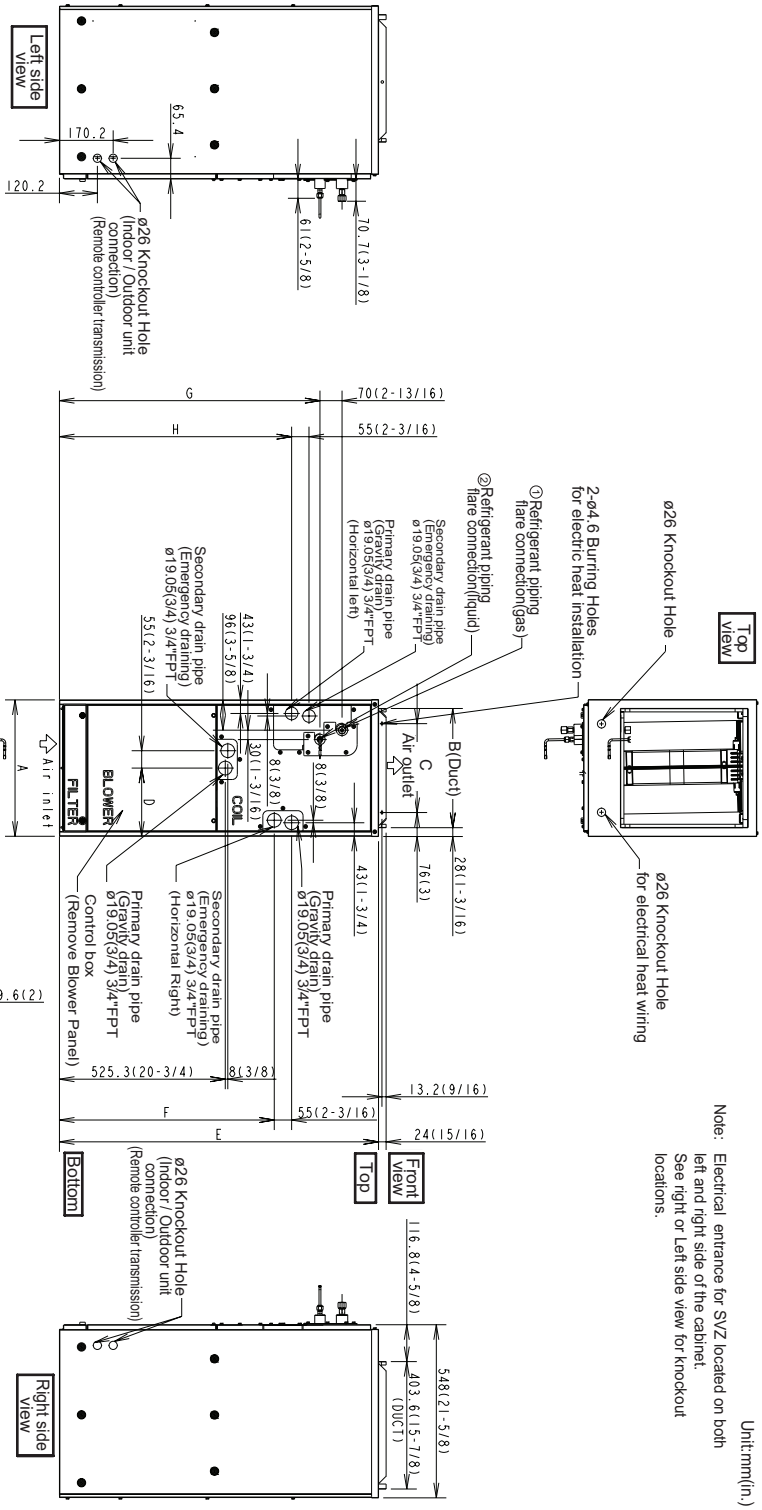
# INDOOR UNIT DIMENSIONS: NTXAMT36A112AA




Unit:mm(in.)

| Model | Nominal Filter Size | Duct Connection |
|---|---|---|
| NTXAMT12A112A* | 508 x 406.4 x 25.4 (20 x 16 x 1) | 376 x 402 (14-13/16 x 15-7/8) |
| NTXAMT18A112A* | | |
| NTXAMT24A112A* | | |
| NTXAMT30A112A* | 508 x 508 x 25.4 (20 x 20 x 1) | 477 x 402 (18-13/16 x 15-7/8) |
| NTXAMT36A112A* | | |

| Model | A | B | C | D | E | F | G | H | J | Gas Pipe | Liquid pipe |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NTXAMT12A112A* | 432 (17) | 376 (14-13/16) | 281 (11-1/8) | 224 (8-7/8) | 1,010.8 (39-13/16) | 680 (26-13/16) | 823 (32-7/16) | 735.5 (29) | 360 (14-3/16) | ø 9.52 (3/8) | ø 6.35 (1/4) |
| NTXAMT18A112A* | | | | | | | | | | ø 12.7 (1/2) | |
| NTXAMT24A112A* | | | | | | | | | | | |
| NTXAMT30A112A* | 534 (21) | 477 (18-13/16) | 382.6 (15-1/8) | 266.5 (10-1/2) | 1,113.8 (43-7/8) | 737 (29-1/16) | 953.5 (37-9/16) | 792 (31-3/16) | 461 (18-3/16) | ø 15.88 (5/8) | ø 9.52 (3/8) |
| NTXAMT36A112A* | | | | | | | | | | | |



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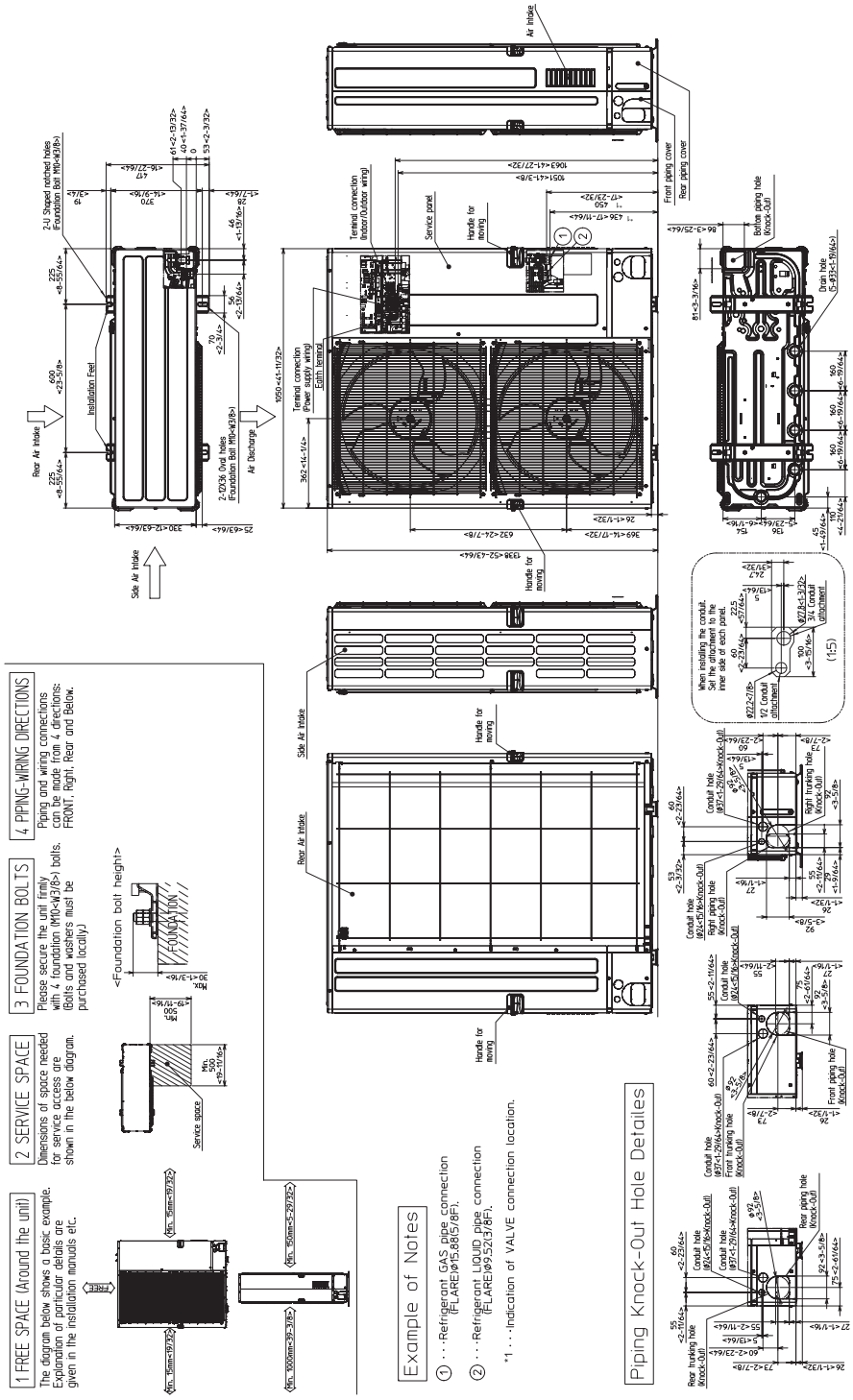
# OUTDOOR UNIT DIMENSIONS: NTXSKH36A112AA

**Unit: mm<in>**




FORM# NTXAMT36A112AA & NTXSKH36A112AA - 202303

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