

# SUBMITTAL - 24KPAS1

Job Name:\_\_\_\_\_

Date:\_\_\_\_\_

Location:\_\_\_\_\_

**R32**

Indoor Unit: **ASUH24KPAS**

Outdoor Unit: **AOUH24KPAS1**



## FEATURES

### INDOOR UNIT:

- Compact wall-mounted indoor unit delivering superior comfort and energy-efficient performance
- Indoor unit with ProCore™ (High Corrosion Resistant Copper) coils for long-lasting protection against corrosion
- Whisper-quiet operation with sound levels as low as 31dB
- Multiple fan speed options; Auto, High, Med-High, Med, Med-Low, Low, and Quiet.
- Special Operation modes available:
  - Economy Mode / Energy Saving Mode / Powerful Mode / Minimum Heat Mode / Automatic defrosting operation / Auto-restart function
- Enhanced controls platform for seamless, intuitive operation:
  - Backlit wireless remote controller with luminous buttons for easy visibility, included with the indoor unit
  - Wi-Fi connectivity with Airstage Mobile App monitoring via compatible USB WLAN adapter
  - Extended connectivity with support for third-party interface options
  - Compatible with BACnet and Modbus protocols for seamless integration with building management and Home Automation Systems
- Advanced scheduling and timer options offer greater control over unit operation:
  - Weekly Timer / 24-hr Timer / Sleep Function
- Dual-action Filtration: Apple-Catechin Filter & Ion Deodorizing Filter
- Additional premium features include, but are not limited to:
  - Built-in external input and output for interlocking systems with 3<sup>rd</sup> party devices (Ex: Fire Alarm, Door Switch, Humidifier, Aux. Heat & more)
  - Multiple Auxiliary Heat logic for optimized heating performance
  - Service monitoring functionality via compatible accessories (UTY-RVRU & UTY-RNRUZ-series)

### OUTDOOR UNIT:

- Low GWP R-32 systems for reduced environmental impact
- INVERTER-driven compressor that offers superior performance, comfort, and energy savings
- Special Cooling Operation extends cooling operation down to -4°F (-20°C)
- Compact outdoor unit with extended line set lengths up to 98ft (30m)
- Low-noise outdoor unit operation mode
- Hydro Fin-coated heat exchanger for improved corrosion resistance and coil durability



7 Year Compressor, 5 Year Parts out-of-the-box Warranty.



10 Year Compressor, 10 Year Parts Warranty when registered within 60 days of installation in a residence.



12 Year Compressor, 12 Year Parts Warranty when registered within 60 days of installation in a residence and installed by a Fujitsu Elite contractor.



Due to continuous product improvements, specifications are subject to change without notice. Please log in to the Fujitsu Portal for the most up-to-date documentation <https://connect.fujitsugeneral.com>

Version: 20250409A

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### SPECIFICATIONS:

|                                            |              |                         |                                     |               |                   |                                                 |                   |              |
|--------------------------------------------|--------------|-------------------------|-------------------------------------|---------------|-------------------|-------------------------------------------------|-------------------|--------------|
| Indoor Unit                                |              |                         |                                     |               | ASUH24KPAS        |                                                 |                   |              |
| Outdoor Unit                               |              |                         |                                     |               | AOUH24KPAS1       |                                                 |                   |              |
| System Name                                |              |                         |                                     |               | 24KPAS1           |                                                 |                   |              |
| AHRI Number                                |              |                         |                                     |               | 215441047         |                                                 |                   |              |
| SEER2                                      |              | Cooling                 |                                     |               | Btu/hW            | 21.5                                            |                   |              |
| EER2                                       |              |                         |                                     |               |                   | 11.7                                            |                   |              |
| HSPF 2 (IV) / HSPF 2 (V)                   |              | Heating                 |                                     |               | kW/kW             | 10 / 7.7                                        |                   |              |
| COP2                                       |              |                         |                                     |               |                   | 3.8                                             |                   |              |
| Outdoor Operation Range                    |              | Cooling                 |                                     |               | °F (°C)           | 14 to 122*8 (-10 to 50*8)                       |                   |              |
|                                            |              | Heating                 |                                     |               |                   | 5 to 75 (-15 to 24)                             |                   |              |
| Indoor Capacity                            |              | Cooling                 |                                     | Rated         | Btu/h             | 22000                                           |                   |              |
|                                            |              |                         |                                     | Min.—Max.     |                   | 4,000—24,400                                    |                   |              |
|                                            |              | Heating                 | 47°FDB (Outdoor temp.)              | Rated         |                   | 24000                                           |                   |              |
|                                            |              |                         | 17°FDB (Outdoor temp.) <sup>1</sup> | Min.—Max.     |                   | 4,150—29,000                                    |                   |              |
|                                            |              |                         |                                     | Rated         |                   | 14800                                           |                   |              |
|                                            |              |                         | 5°FDB (Outdoor temp.) <sup>2</sup>  | Max.          |                   | 24300                                           |                   |              |
|                                            |              | Rated                   |                                     |               |                   |                                                 |                   |              |
|                                            |              | Outdoor Connection pipe | Size                                | Liquid        |                   |                                                 | in (mm)           | Ø1/4 (Ø6.35) |
| Gas                                        |              |                         |                                     | Ø1/2 (Ø12.70) |                   |                                                 |                   |              |
| Method                                     |              |                         |                                     |               | FLARE             |                                                 |                   |              |
| Pre-charge length                          |              |                         |                                     | ft (m)        | 49 (15)           |                                                 |                   |              |
| Min. length                                |              |                         |                                     |               | 10 (3)            |                                                 |                   |              |
| Max. length                                |              |                         |                                     |               | 98 (30)           |                                                 |                   |              |
| Max. height difference                     |              |                         |                                     |               | 82 (25)           |                                                 |                   |              |
| Indoor Dimensions (H × W × D)              |              | Net                     |                                     |               | in (mm)           | 11 × 38-9/16 × 9-7/16 (280 × 980 × 240)         |                   |              |
|                                            |              | Gross                   |                                     |               |                   | 12-11/16 × 42-7/16 × 13-5/8 (322 × 1,078 × 346) |                   |              |
| Indoor Weight                              |              | Net                     |                                     |               | lb (kg)           | 28 (12.5)                                       |                   |              |
|                                            |              | Gross                   |                                     |               |                   | 36 (16.5)                                       |                   |              |
| Outdoor Dimensions (H × W × D)             |              | Net                     |                                     |               | in (mm)           | 24-7/8 × 31-7/16 × 11-7/16 (632 × 799 × 290)    |                   |              |
|                                            |              | Gross                   |                                     |               |                   | 27-1/4 × 37 × 14-3/4 (692 × 940 × 375)          |                   |              |
| Outdoor Weight                             |              | Net                     |                                     |               | lb (kg)           | 86 (39)                                         |                   |              |
|                                            |              | Gross                   |                                     |               |                   | 93 (42)                                         |                   |              |
| Indoor Fan                                 | Airflow rate | Cooling                 | High                                | CFM (m³/h)    | 689 (1,170)       |                                                 |                   |              |
|                                            |              |                         | Med—High                            |               | 583 (990)         |                                                 |                   |              |
|                                            |              |                         | Med                                 |               | 483 (820)         |                                                 |                   |              |
|                                            |              |                         | Med—Low                             |               | 430 (730)         |                                                 |                   |              |
|                                            |              |                         | Low                                 |               | 377 (640)         |                                                 |                   |              |
|                                            |              |                         | Quiet                               |               | 312 (530)         |                                                 |                   |              |
|                                            |              | Heating                 | High                                |               | 600 (1,020)       |                                                 |                   |              |
|                                            |              |                         | Med—High                            |               | 553 (940)         |                                                 |                   |              |
|                                            |              |                         | Med                                 |               | 506 (860)         |                                                 |                   |              |
|                                            |              |                         | Med—Low                             |               | 441 (750)         |                                                 |                   |              |
|                                            |              |                         | Low                                 |               | 377 (640)         |                                                 |                   |              |
|                                            |              |                         | Quiet                               |               | 318 (540)         |                                                 |                   |              |
|                                            |              | Type × Qty              |                                     |               |                   |                                                 | CROSSFLOW FAN × 1 |              |
|                                            |              | Outdoor Fan             | Airflow rate                        |               | Motor output      |                                                 |                   | W            |
|                                            | Cooling      |                         |                                     | CFM (m³/h)    | 1,719 (2,920)     |                                                 |                   |              |
|                                            | Heating      |                         |                                     |               | 1,560 (2,650)     |                                                 |                   |              |
| Type × Qty                                 |              |                         |                                     |               | PROPELLER FAN × 1 |                                                 |                   |              |
| Indoor Sound Pressure Level <sup>14</sup>  |              | Motor output            |                                     |               | W                 | 49                                              |                   |              |
|                                            |              |                         |                                     |               |                   |                                                 |                   |              |
|                                            |              | Cooling                 | High                                | dB (A)        | 51                |                                                 |                   |              |
|                                            |              |                         | Med—High                            |               | 48                |                                                 |                   |              |
|                                            |              |                         | Med                                 |               | 43                |                                                 |                   |              |
|                                            |              |                         | Med—Low                             |               | 40                |                                                 |                   |              |
|                                            |              |                         | Low                                 |               | 37                |                                                 |                   |              |
|                                            |              |                         | Quiet                               |               | 31                |                                                 |                   |              |
|                                            |              | Heating                 | High                                |               | 47                |                                                 |                   |              |
|                                            |              |                         | Med—High                            |               | 45                |                                                 |                   |              |
|                                            |              |                         | Med                                 |               | 43                |                                                 |                   |              |
|                                            |              |                         | Med—Low                             |               | 40                |                                                 |                   |              |
|                                            |              |                         | Low                                 |               | 36                |                                                 |                   |              |
|                                            |              |                         | Quiet                               |               | 32                |                                                 |                   |              |
| Outdoor Sound Pressure Level <sup>14</sup> |              | Cooling                 |                                     |               |                   | 55                                              |                   |              |
|                                            |              | Heating                 |                                     |               |                   | 54                                              |                   |              |

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### SPECIFICATIONS:

|                                         |         |                         |                                    |                                                             |
|-----------------------------------------|---------|-------------------------|------------------------------------|-------------------------------------------------------------|
| Outdoor Refrigerant                     |         | Type                    |                                    | R32                                                         |
|                                         |         | Charge                  | lb oz                              | 2 lb 10 oz                                                  |
| g                                       | 1200    |                         |                                    |                                                             |
| oz/ft                                   | 0.22    |                         |                                    |                                                             |
| Additional Charge Calculation           |         |                         | g/m                                | 20                                                          |
| Outdoor Refrigerant Oil                 |         | Type                    |                                    | RMM68AF                                                     |
|                                         |         | Amount                  | in <sup>3</sup> (cm <sup>3</sup> ) | 24.4 (400)                                                  |
| Indoor Moisture removal                 |         |                         | pints/h (L/h)                      | 6.3 (3.0)                                                   |
| Indoor Drain hose                       |         | Material                |                                    | POLYPROPYLENE + HIGH-DENSITY POLYETHYLENE                   |
|                                         |         | Tip Diameter            | in (mm)                            | Ø17/32 (Ø13.8) (I.D.), Ø19/32 to 21/32 (Ø15 to 16.8) (O.D.) |
| Indoor Operation range                  |         | Cooling                 | °F (°C)                            | 64 to 90 (18 to 32)                                         |
|                                         |         |                         | %RH                                | 80 or less                                                  |
|                                         |         | Heating                 | °F (°C)                            | 60 to 86 (16 to 30)                                         |
| Power Supply                            |         |                         |                                    | 208/230 V~ 60 Hz                                            |
| Available Voltage Range                 |         |                         |                                    | 187—253                                                     |
| System power supply                     |         | Voltage                 |                                    | 208/230                                                     |
|                                         |         | Frequency               |                                    | 60                                                          |
|                                         |         | Available voltage range |                                    | 187—253                                                     |
| Indoor Current                          | Cooling |                         | A                                  | 8.2                                                         |
|                                         | Heating |                         |                                    | 8.1                                                         |
| Maximum Operating Current* <sup>3</sup> |         | Cooling                 |                                    | 14.4                                                        |
|                                         |         | Heating                 |                                    | 13.9                                                        |
| Outdoor Starting Current                |         |                         |                                    | 5.6                                                         |
| MCA* <sup>5</sup>                       |         |                         |                                    | 14.4                                                        |
| Wiring spec.* <sup>6</sup>              |         |                         | 20                                 |                                                             |
| Indoor Input Power                      | Cooling |                         | Rated                              | 1.88                                                        |
|                                         |         |                         | Min.—Max.                          | 0.20—3.20                                                   |
|                                         | Heating | Rated                   | 1.85                               |                                                             |
|                                         |         | Min.—Max.               | 0.21—3.10                          |                                                             |
|                                         |         | Rated                   | 1.43                               |                                                             |
|                                         |         | Max.                    | 2.85                               |                                                             |
|                                         |         | Rated                   | 2.75                               |                                                             |
|                                         |         | Max.                    |                                    |                                                             |
| Indoor Power Factor                     | Cooling |                         | %                                  | 99.2                                                        |
|                                         | Heating |                         |                                    | 98.9                                                        |
| Energy Star* <sup>9</sup>               |         |                         |                                    | ES, ESCC, ESME                                              |

#### NOTES

- Cooling: Indoor temperature of 80°F (26.67°CDB)/67°FWB (19.44°CWB), and outdoor temperature of 95°FDB (35°CDB)/75°FWB (23.9°CWB).
- Heating: Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 47°FDB (8.33°CDB)/43°FWB (6.11°CWB).
- 17°FDB (Outdoor temp.), —\*1: Heating (17°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB)/15°FWB (-9.44°CWB).
- 5°FDB (Outdoor temp.), —\*2: Heating (5°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 5°FDB (-15.0°CDB)/4°FWB (-15.56°CWB).
- Test conditions are based on AHRI 210/240 2023.
- \*4: Indoor Sound Pressure Level, —Measured values in manufacturer's anechoic chamber.
- Outdoor Sound Pressure Level, —Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
- \*3: Maximum Operating Current, —Maximum current is maximum value when operated within the operation range.
- The total current of indoor unit and outdoor unit.
- MCA—\*5: Minimum Circuit Ampacity (Calculation based on UL60335-2-40)
- Wiring spec., —\*6: Selected sample based on Japan Electrotechnical Standards and Codes Committee E0005.
- As the regulations of wire size and circuit breaker differ in each country or region, select appropriate devices complied to the regional standard.
- MAX. CKT. BKR—\*7: Maximum Circuit Breaker
- Operation Range—\*8: Suction temperature of the outdoor unit.
- Energy Star<sup>®</sup> \*9: ES = Energy Star, ESCC = Energy Star Cold Climate, ESME = Energy Star Most Efficient.

System continues to operate below rated outdoor operation temperature range, subject to varying conditions. System has no low temperature cut out. Capacity is not tested outside of the rated temperature range.

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### ACCESSORIES:

| Model Number                | Description                                                                |
|-----------------------------|----------------------------------------------------------------------------|
| UTY-RVRU <sup>*1</sup>      | KAGAMI - Touch Panel Wired Controller                                      |
| UTY-RNRUZ5 <sup>*1</sup>    | Touch Panel Wired Remote Controller                                        |
| UTY-RHRY <sup>*1</sup>      | Simple Wired Remote (Without Mode Function) - Hospitality                  |
| UTY-RSRY <sup>*1</sup>      | Simple Wired Remote (With Mode Function)                                   |
| UTY-TWRXZ2                  | Communication Kit - Wall Mount                                             |
| UTY-TFSXH4                  | Wi-Fi Adapter (WiFi Interface Module USB Type)                             |
| FJ-AC-WIFI-1                | Intesis Wi-Fi Device: Wired Module                                         |
| FJ-IR-WIFI-1NA              | Intesis IR Wireless AC Cloud Control Interface (Intesis Home app)          |
| BM101WA                     | Cielo - Breez Max IR Controller w/ WiFi (Black)                            |
| BM102WA                     | Cielo - Breez Max IR Controller w/ WiFi (White)                            |
| UTY-VMSX                    | Modbus Converter                                                           |
| UTY-VTGX <sup>*1</sup>      | Network Converter - Convert H-Series Comm. Protocol to V/J-Series Comm.    |
| FJ-AC-485-1                 | Intesis - BACnet MSTP & Modbus RTU Gateway                                 |
| UTY-TERX <sup>*1</sup>      | External Switch Controller                                                 |
| UTY-TTRXZ1 <sup>*1, 2</sup> | 24V Thermostat Interface                                                   |
| TTRXZ1-KIT <sup>*1, 2</sup> | 24V Thermostat Interface Kit (UTY-TTRXZ1, UTY-WIFI Plug & 24V Transformer) |
| UTY-XCSXZ2                  | External input and output PCB                                              |
| UTY-XWZX                    | External Wire Kit                                                          |
| UTY-XWZXZ5                  | External Connect Kit                                                       |
| UTY-DSGYZ2 <sup>*3</sup>    | Airstage Edge Controller                                                   |
| UTZ-DUHGG3A                 | Hail Guard                                                                 |
| UTZ-DUSHG3A                 | Snowhood                                                                   |
| UTZ-DUWBG3A                 | Wind Baffle                                                                |

NOTES:

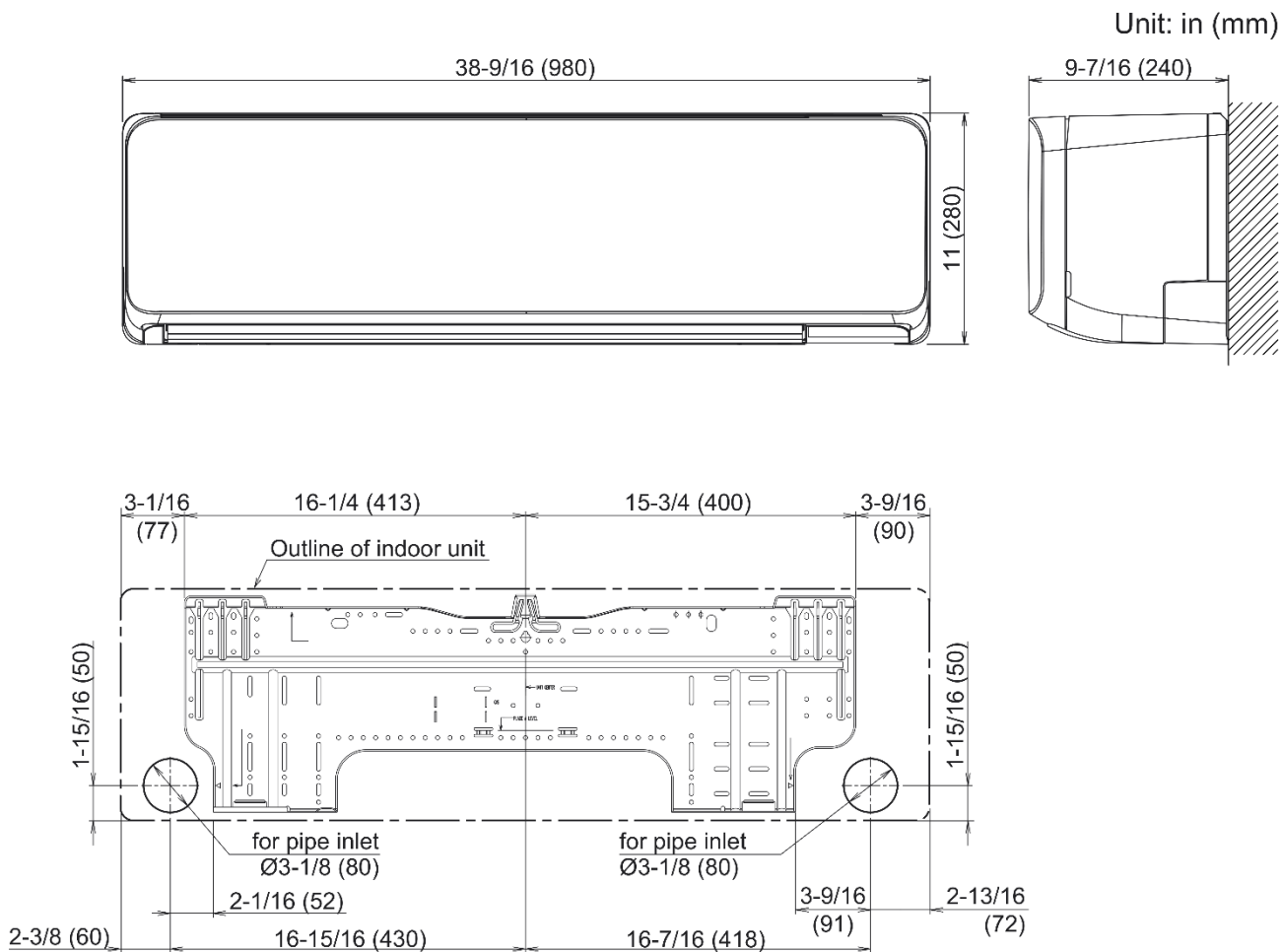
\*1 -Requires Communication kit UTY-TWRXZ2 to connect this device to IDU.

\*2 -This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

\*3 -Connection to AIRSTAGE Cloud requires a compatible AIRSTAGE Mobile adapter connected to the IDU.

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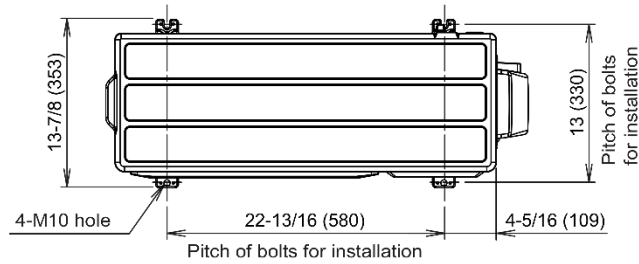
### INDOOR UNIT DIMENSIONS:



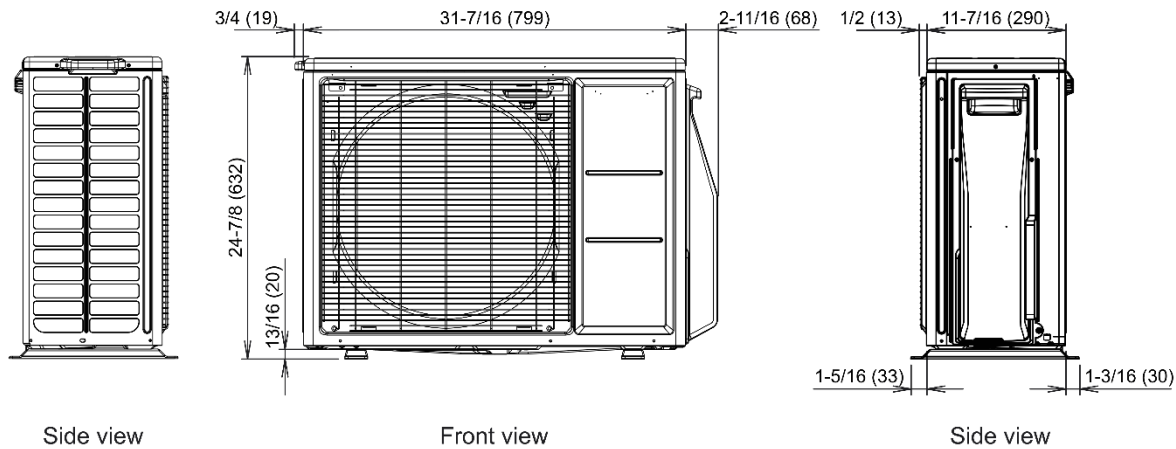
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## OUTDOOR UNIT DIMENSIONS:

Unit: in (mm)



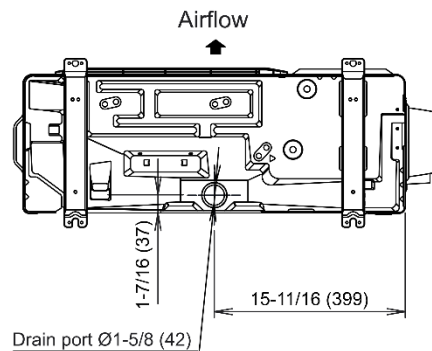
Top view



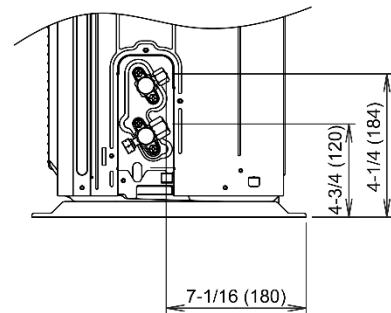
Side view

Front view

Side view



Bottom view



Side view (Valve part)

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