

**PKA-A30KA8 & PUZ-HA30NKA**  
**30,000 BTU/H WALL-MOUNTED INDOOR UNIT**  
**30,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR**



Job Name:

System Reference:

Date:



Indoor Unit.....PKA-A30KA8

Outdoor Unit.....PUZ-HA30NKA



**INDOOR UNIT FEATURES**

- Sleek, compact design
- Simple installation
- Vane setting for air flow direction control
- Auto fan speed mode
- Ideal for spaces such as server rooms, daycare centers, classrooms, churches, small offices, 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

# SPECIFICATIONS: PKA-A30KA8 & PUZ-HA30NKA

|                                         |                                              |                     |                                                 |
|-----------------------------------------|----------------------------------------------|---------------------|-------------------------------------------------|
| Cooling at 95°F <sup>1</sup>            | Maximum Capacity                             | BTU/H               | 30,000                                          |
|                                         | Rated Capacity                               | BTU/H               | 30,000                                          |
|                                         | Minimum Capacity                             | BTU/H               | 14,600                                          |
|                                         | Maximum Power Input                          | W                   | 2,330                                           |
|                                         | Rated Power Input                            | W                   | 2,330                                           |
|                                         | Moisture Removal                             | Pints/h             | 7.5                                             |
|                                         | Sensible Heat Factor                         |                     | 0.72                                            |
| Heating at 47°F <sup>2</sup>            | Power Factor [208V / 230V]                   | %                   | 95.0 / 95.0                                     |
|                                         | Maximum Capacity                             | BTU/H               | 34,000                                          |
|                                         | Rated Capacity                               | BTU/H               | 32,000                                          |
|                                         | Minimum Capacity                             | BTU/H               | 14,600                                          |
|                                         | Maximum Power Input                          | W                   | 3,080                                           |
|                                         | Rated Power Input                            | W                   | 2,770                                           |
| Heating at 17°F <sup>3</sup>            | Power Factor [208V / 230V]                   | %                   | 95.0 / 95.0                                     |
|                                         | Maximum Capacity                             | BTU/H               | 32,000                                          |
|                                         | Rated Capacity                               | BTU/H               | 21,300                                          |
|                                         | Maximum Power Input                          | W                   | 4,535                                           |
| Heating at 5°F <sup>4</sup>             | Rated Power Input                            | W                   | 2,625                                           |
|                                         | Maximum Capacity                             | BTU/H               | 32,000                                          |
| Heating at -13°F <sup>7</sup>           | Maximum Power Input                          | W                   | 4,975                                           |
|                                         | Maximum Capacity                             | BTU/H               | 25,600                                          |
| Efficiency                              | SEER <sup>2</sup>                            |                     | 18.5                                            |
|                                         | EER <sup>2</sup> <sup>1</sup>                |                     | 12.8                                            |
|                                         | HSPF <sup>2</sup> [IV]                       |                     | 8.5                                             |
|                                         | COP at 47°F <sup>2</sup>                     |                     | 3.38                                            |
|                                         | COP at 17°F at Maximum Capacity <sup>3</sup> |                     | 2.0                                             |
|                                         | COP at 5°F at Maximum Capacity <sup>4</sup>  |                     | 1.8                                             |
|                                         | ENERGY STAR® Certified                       |                     | Yes                                             |
| 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 (Outdoor)      | 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                   | 0.265                                           |
|                                         | Fan Motor Output                             | W                   | 69                                              |
|                                         | Fan Motor Type                               |                     | DC Motor                                        |
|                                         | Airflow Rate at Cooling, Dry                 | CFM                 | 635–705–775                                     |
|                                         | Airflow Rate at Cooling, Wet                 | CFM                 | 635–705–775                                     |
|                                         | Airflow Rate at Heating, Dry                 | CFM                 | 635–705–775                                     |
|                                         | Sound Pressure Level [Cooling]               | dB[A]               | 39–42–45                                        |
|                                         | Sound Pressure Level [Heating]               | dB[A]               | 39–42–45                                        |
|                                         | Drain Pipe Size                              | In. [mm]            | 5/8 [16]                                        |
|                                         | Coating on Heat Exchanger                    |                     | —                                               |
|                                         | External Finish Color                        |                     | White Munsell 1.0Y 9.2/0.2                      |
|                                         | Unit Dimensions                              | W x D x H: In. [mm] | 46-1/16 x 11-5/8 x 14-3/8 [1,170 x 295 x 365]   |
|                                         | Package Dimensions                           | W x D x H: In. [mm] | 51-3/16 x 14-11/64 x 18-1/2 [1,300 x 360 x 470] |
| Indoor Unit Operating Temperature Range | Unit Weight                                  | Lbs. [kg]           | 46 [21]                                         |
|                                         | Package Weight                               | Lbs. [kg]           | 51 [23.2]                                       |
|                                         | Cooling Intake Air Temp [Maximum / Minimum]* | °F                  | 90 DB, 73 WB / 66 DB, 59 WB                     |
|                                         | Heating Intake Air Temp [Maximum / Minimum]  | °F                  | 82 DB / 59 DB                                   |

## NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

<sup>1</sup>Cooling (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

<sup>2</sup>Heating at 47°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 47 DB, 43 WB

<sup>3</sup>Heating at 17°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

<sup>4</sup>Heating at 5°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 5 DB, 4 WB

<sup>7</sup>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.

# SPECIFICATIONS: PKA-A30KA8 & PUZ-HA30NKA

|                                          |                                                            |                     |                                                  |
|------------------------------------------|------------------------------------------------------------|---------------------|--------------------------------------------------|
| 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 <sup>1</sup>                 | dB(A)               | 52                                               |
|                                          | Sound Pressure Level, Heating <sup>2</sup>                 | 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]                 |
| Outdoor Unit Operating Temperature Range | Unit Weight                                                | Lbs. [kg]           | 261 [118]                                        |
|                                          | Package Weight                                             | Lbs. [kg]           | 285 [129]                                        |
|                                          | Cooling Air Temp [Maximum / Minimum]*                      | °F                  | 115 DB / 0 DB                                    |
| Refrigerant                              | Heating Air Temp [Maximum / Minimum]                       | °F                  | 70 DB, 59 WB / -13 DB, -13 WB                    |
|                                          | Heating Thermal Lock-out / Re-start Temperatures**         | °F                  | -22 / -13                                        |
|                                          | Type                                                       |                     | R410A                                            |
|                                          | Pre-Charged Refrigerant Amount                             | Lbs, oz             | 11.0, 7.0                                        |
| Piping                                   | Maximum Pre-Charged Piping Length                          | Ft. [m]             | 100.0 [30.0]                                     |
|                                          | Additional Refrigerant Charge Per Additional Piping Length | oz./Ft. [g/m]       | .7 [56]                                          |
|                                          | 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                                               |

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AHRI Rated Conditions

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<sup>2</sup>Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

<sup>3</sup>Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

<sup>4</sup>Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

<sup>7</sup>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: PKA-A30KA8

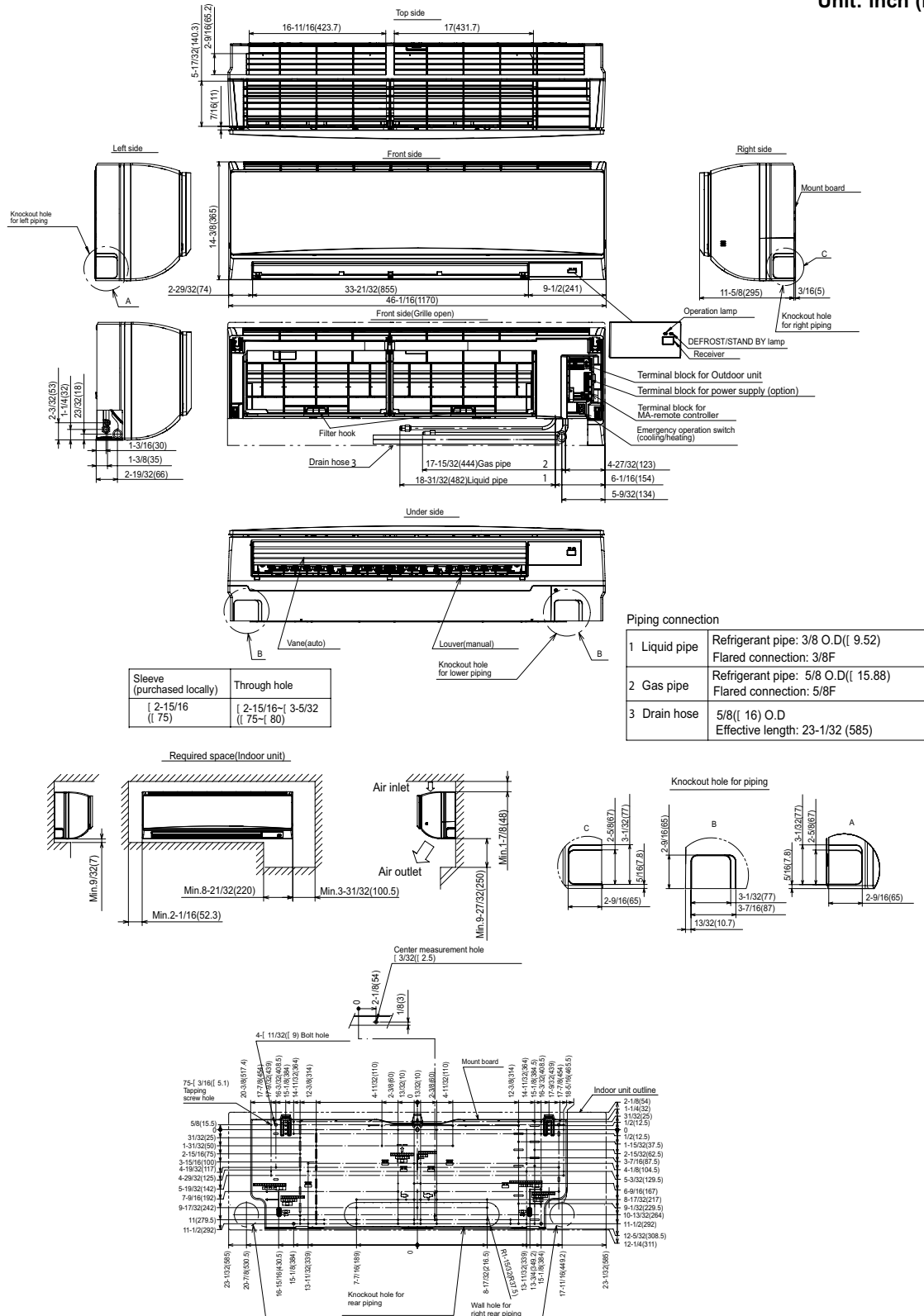
|                            |                                                                                             |                                            |
|----------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------|
| Control Interface          | 3-Pin Connector                                                                             | <input type="checkbox"/> PAC-715AD         |
|                            | IT Extender                                                                                 | <input type="checkbox"/> PAC-WHS01IE-E     |
|                            | kumo station® for kumo cloud®                                                               | <input type="checkbox"/> PAC-WHS01HC-E     |
|                            | Procon BACnet® and Modbus® Interface                                                        | <input type="checkbox"/> PAC-UKPRC001-CN-1 |
|                            | Thermostat Interface                                                                        | <input type="checkbox"/> PAC-US445CN-1     |
|                            | USNAP Adapter                                                                               | <input type="checkbox"/> PAC-WHS01UP-E     |
|                            | Wireless Interface for kumo cloud®                                                          | <input type="checkbox"/> PAC-USWHS002-WF-2 |
| Remote Sensor              | Flush Mount Remote Temperature Sensor                                                       | <input type="checkbox"/> PAC-USSEN002-FM-1 |
|                            | Flush Mount Temperature Sensor                                                              | <input type="checkbox"/> PAC-USSEN001-FM-1 |
|                            | Remote Temperature Sensor                                                                   | <input type="checkbox"/> PAC-SE41TS-E      |
|                            | Wireless temperature and humidity sensor for kumo cloud®                                    | <input type="checkbox"/> PAC-USWHS003-TH-1 |
| Wired Remote Controller    | Deluxe Wired MA Remote Controller†                                                          | <input type="checkbox"/> PAR-40MAAU        |
|                            | Simple Ductless Wired Remote Controller                                                     | <input type="checkbox"/> PAC-SDW01RC-1     |
|                            | Simple MA Remote Controller†                                                                | <input type="checkbox"/> PAC-YT53CRAU-J    |
|                            | Touch MA Controller†                                                                        | <input type="checkbox"/> PAR-CT01MAU-SB    |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller                                                    | <input type="checkbox"/> MHK2              |
|                            | Lockdown bracket for remote controller                                                      | <input type="checkbox"/> RCMKP1CB          |
|                            | Wireless MA Receiver                                                                        | <input type="checkbox"/> PAR-FA32MA-W      |
|                            | Wireless MA Remote Controller                                                               | <input type="checkbox"/> PAR-FL32MA-E      |
| Condensate                 | Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended] | <input type="checkbox"/> X87-721           |
|                            | Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor                      | <input type="checkbox"/> X87-835           |
|                            | Drain Pan Level Sensor/Control                                                              | <input type="checkbox"/> SS610E            |
|                            | Refco Condensate Pump (100-240 VAC)                                                         | <input type="checkbox"/> GOBI-II           |
|                            | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H                                     | <input type="checkbox"/> COMBI             |
| Disconnect Switch          | (30A/600V/UL) [fits 2" X 4" utility box] - Black                                            | <input type="checkbox"/> TAZ-MS303         |
| Lineset                    | 10' x 3/8" x 10' x 5/8" Lineset (Twin-Tube Insulation)                                      | <input type="checkbox"/> MPLS385812T-10    |
|                            | 100' x 3/8" x 100' x 5/8" Lineset (Twin-Tube Insulation)                                    | <input type="checkbox"/> MPLS385812T-100   |
|                            | 15' x 3/8" x 15' x 5/8" Lineset (Twin-Tube Insulation)                                      | <input type="checkbox"/> MPLS385812T-15    |
|                            | 30' x 3/8" x 30' x 5/8" Lineset (Twin-Tube Insulation)                                      | <input type="checkbox"/> MPLS385812T-30    |
|                            | 50' x 3/8" x 50' x 5/8" Lineset (Twin-Tube Insulation)                                      | <input type="checkbox"/> MPLS385812T-50    |
|                            | 65' x 3/8" x 65' x 5/8" Lineset (Twin-Tube Insulation)                                      | <input type="checkbox"/> MPLS385812T-65    |
| Mini-Split Wire            | 14 Gauge, 4 wire MiniSplit Cable—250 ft. roll                                               | <input type="checkbox"/> SW144-250         |
|                            | 14 Gauge, 4 wire MiniSplit Cable—50 ft. roll                                                | <input type="checkbox"/> SW144-50          |
|                            | 16 Gauge, 4 wire MiniSplit Cable—250 ft. roll                                               | <input type="checkbox"/> SW164-250         |
|                            | 16 Gauge, 4 wire MiniSplit Cable—50 ft. roll                                                | <input type="checkbox"/> SW164-50          |

## OUTDOOR UNIT ACCESSORIES: PUZ-HA30NKA

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

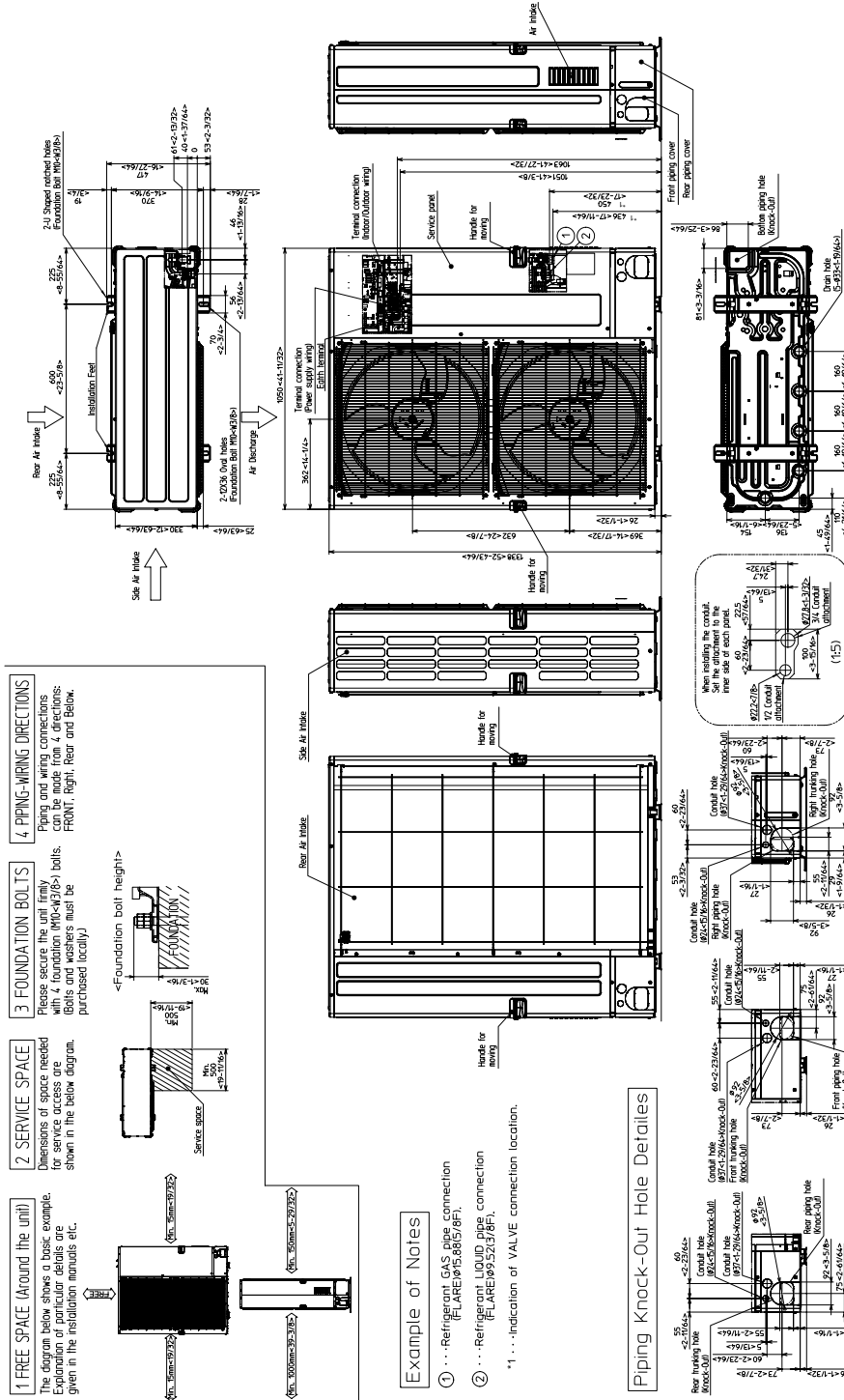
# INDOOR UNIT DIMENSIONS: PKA-A30KA8

Unit: inch (mm)



# OUTDOOR UNIT DIMENSIONS: PUZ-HA30NKA

Unit: mm<in>



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