

**PLA-A36EA7 & PUZ-HA36NKA**  
**36,000 BTU/H 3' X 3' CEILING CASSETTE**  
**36,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR**



Job Name:

System Reference:

Date:



Indoor Unit.....PLA-A36EA7

Outdoor Unit.....PUZ-HA36NKA

**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
- High heating capacity: flash injection circuit maintains 100% heating capacity at 5°F outdoor temperature
- 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
- Suction accumulator pre-charged with refrigerant volume for piping length up to 100 ft.
- Twinning of two indoor units possible with the 36 KBTU/H model
- High pressure/temperature protection
- Built-in base pan heater
- Flash injection circuit provides efficient high heating capacities at low ambient temperatures

# SPECIFICATIONS: PLA-A36EA7 & PUZ-HA36NKA

|   |   |  |  |
|---|---|--|--|
| Cooling at 95°F <sup>1</sup>            | Maximum Capacity                              | BTU/H                                      | 36,000   |
|   | Rated Capacity                                | BTU/H                                      | 36,000   |
|   | Minimum Capacity                              | BTU/H                                      | 14,800   |
|   | Maximum Power Input                           | W  | 2,750  |
|   | Rated Power Input                             | W  | 2,750  |
|   | Moisture Removal                              | Pints/h                                    | 5.5  |
|   | Sensible Heat Factor                          |  | 0.83   |
| Heating at 47°F <sup>2</sup>            | Maximum Capacity                              | BTU/H                                      | 40,000   |
|   | Rated Capacity                                | BTU/H                                      | 38,000   |
|   | Minimum Capacity                              | BTU/H                                      | 16,700   |
|   | Maximum Power Input                           | W  | 2,880  |
|   | Rated Power Input                             | W  | 2,650  |
|   | Power Factor                                  | %  | 98.0/98.0  |
| Heating at 17°F <sup>3</sup>            | Maximum Capacity                              | BTU/H                                      | 38,000   |
|   | Rated Capacity                                | BTU/H                                      | 24,200   |
|   | Maximum Power Input                           | W  | 4,785  |
|   | Rated Power Input                             | W  | 2,715  |
| Heating at 5°F <sup>4</sup>             | Maximum Capacity                              | BTU/H                                      | 38,000   |
| Maximum Power Input                     | W   | 5,465                                      |  |
| Heating at -13°F <sup>7</sup>           | Maximum Capacity                              | BTU/H                                      | 30,400   |
| Efficiency                              | SEER  |  | 20.0   |
|   | EER <sup>1</sup>                              |  | 13.0   |
|   | HSPF [IV]                                     |  | 10.4   |
|   | COP at 47°F <sup>2</sup>                      |  | 4.2  |
|   | COP at 17°F at Maximum Capacity <sup>3</sup>  |  | 2.3  |
|   | COP at 5°F at Maximum Capacity <sup>4</sup>   |  | 2.0  |
|   | COP at -13°F at Maximum Capacity <sup>7</sup> |  | 1.5  |
| ENERGY STAR <sup>®</sup> 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  | 2.0  |
|   | Fan Motor Full Load Amperage                  | A  | 0.95   |
|   | Fan Motor Output                              | W  | 120  |
|   | Fan Motor Type                                |  | DC Motor   |
|   | Airflow Rate at Cooling, Dry                  | CFM  | 670-850-1020-1200  |
|   | Airflow Rate at Cooling, Wet                  | CFM  | 630-810-980-1160   |
|   | Airflow Rate at Heating, Dry                  | CFM  | 670-850-1020-1200  |
|   | Sound Pressure Level [Cooling]                | dB[A]                                      | 32-37-41-44  |
|   | Sound Pressure Level [Heating]                | dB[A]                                      | 32-37-41-44  |
|   | 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 // 1000 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)

|  |    |                              |
|--|----|------------------------------|
| <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>5</sup> Heating at -4°F (Indoor // Outdoor)  | °F | 70 DB, 60 WB // -4 DB, -5 WB   |
| <sup>6</sup> Heating at -5°F (Indoor // Outdoor)  | °F | 70 DB, 60 WB // -5 DB, -6 WB   |
| <sup>7</sup> Heating at -13°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // -13 DB, -14 WB |

\*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: PLA-A36EA7 & PUZ-HA36NKA

|  |  |                                       |  |
|--|--|---------------------------------------|--|
| Outdoor Unit                                       | MCA  | A                                     | 24.0   |
|  | MOCP   | A                                     | 40   |
|  | Fan Motor Output   | W                                     | 74   |
|  | Airflow Rate   | 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]                 |
|  | Unit Weight  | Lbs. [kg]                             | 261 [118]  |
|  | Package Weight   | Lbs. [kg]                             | 285 [129]  |
|  | Outdoor Unit Operating Temperature Range                   | Cooling Air Temp [Maximum / Minimum]* | °F   |
| 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  |
|  | Charge   | Lbs, oz                               | 11, 7.0  |
|  | Chargeless Piping Length                                   | Ft. [m]                               | 0.0 [30.0]                                       |
|  | Additional Refrigerant Charge Per Additional Piping Length | oz./Ft. [g/m]                         | 0.6 [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:**

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

<sup>6</sup>Heating at -5°F (Indoor // Outdoor) °F 70 DB, 60 WB // -5 DB, -6 WB

<sup>7</sup>Heating at -13°F (Indoor // Outdoor) °F 70 DB, 60 WB // -13 DB, -14 WB

\*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.

## INDOOR UNIT ACCESSORIES: PLA-A36EA7

|                            |   |                   |
|----------------------------|---|-------------------|
| Control Interface          | 3-Pin Connector   | PAC-715AD         |
|                            | BACnet® and Modbus® Interface   | PAC-UKPRC001-CN-1 |
|                            | CN24 Relay Kit  | CN24RELAY-KIT-CM3 |
|                            | IT Extender   | PAC-WHS01IE-E     |
|                            | kumo station® for kumo cloud®   | PAC-WHS01HC-E     |
|                            | Lockdown bracket for remote controller  | RCMKP1CB          |
|                            | Remote Operation Adapter†   | PAC-SF40RM-E      |
|                            | Thermostat Interface  | PAC-US444CN-1     |
|                            | USNAP Adapter   | PAC-WHS01UP-E     |
| Remote Sensor              | Wireless Interface for kumo cloud®  | PAC-USWHS002-WF-2 |
|                            | Flush Mount Temperature Sensor  | PAC-USSEN001-FM-1 |
|                            | Remote Temperature Sensor   | PAC-SE41TS-E      |
| Wired Remote Controller    | Wireless temperature and humidity sensor for kumo cloud®                                    | PAC-USWHS003-TH-1 |
|                            | Deluxe Wired MA Remote Controller†  | PAR-40MAAU        |
|                            | Simple MA Remote Controller†  | PAC-YT53CRAU-J    |
|                            | Touch MA Controller†  | PAR-CT01MAU-SB    |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller  | MHK2              |
|                            | Wireless Remote Controller  | PAR-SL100A-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           |
| 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)   | PLP-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                | Architectural Surround for Ceiling Recessed Units   | PLFY-ITP1         |
|                            | Space Panel   | PAC-SJ38AS-E      |

**NOTES:**

†PAC-SF40RM-E (Unable to use with wireless remote controller)

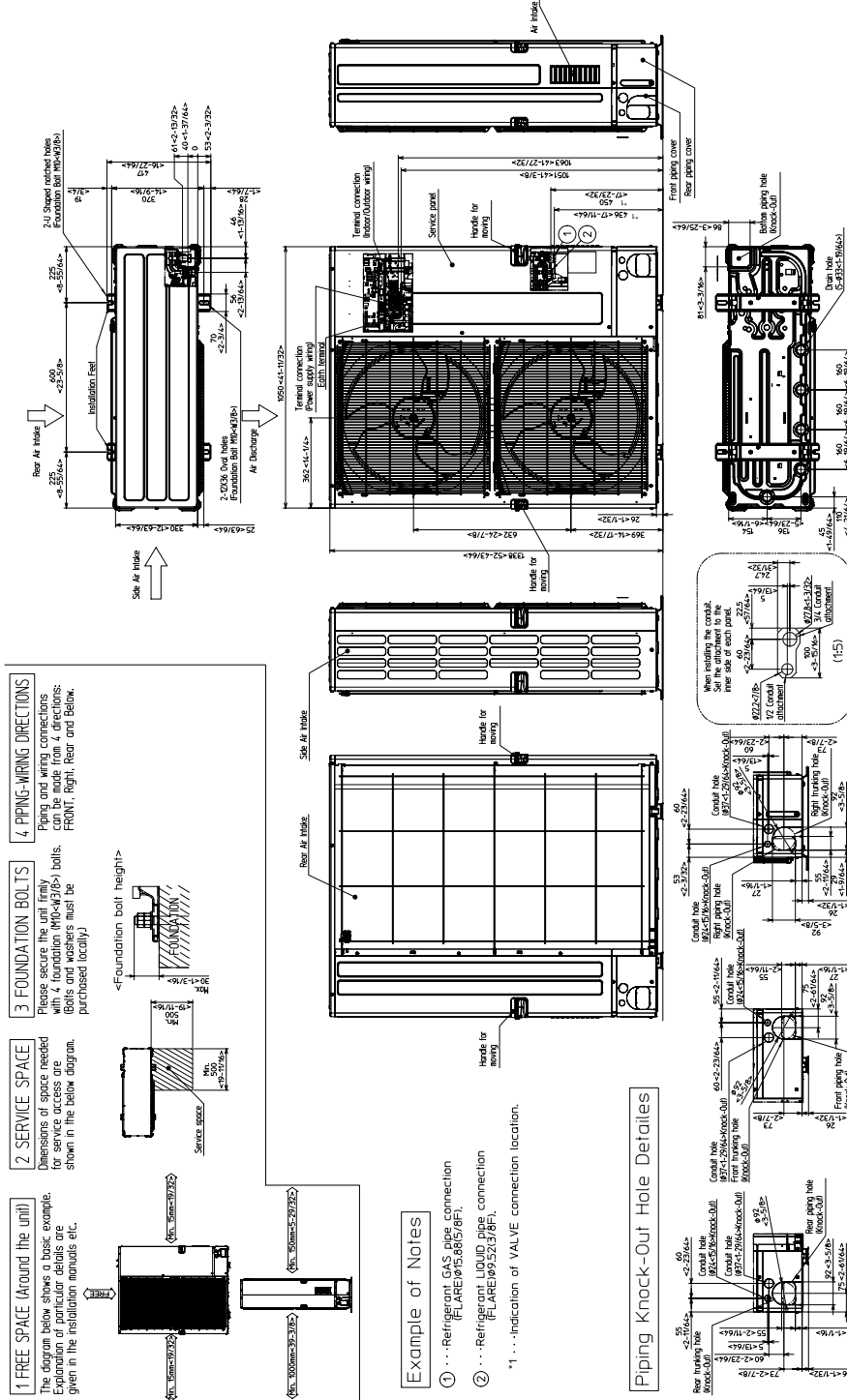
## OUTDOOR UNIT ACCESSORIES: PUZ-HA36NKA

|                         |  |  |
|-------------------------|--|--|
| 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                             |
| Distribution pipe       | Twinning Distribution Pipe (50:50) <sup>††</sup>                       | MSDD-50TR-E                            |
| Drain Socket            | Drain Socket   | PAC-SG61DS-E                           |
| Hail Guards             | Hail Guard   | HG-A2                                  |
| Lineset                 | 10' x 3/8" x 10' x 5/8" Lineset (Twin-Tube Insulation) <sup>††</sup>   | MPLS385812T-10                         |
|                         | 100' x 3/8" x 100' x 5/8" Lineset (Twin-Tube Insulation) <sup>††</sup> | MPLS385812T-100                        |
|                         | 15' x 3/8" x 15' x 5/8" Lineset (Twin-Tube Insulation) <sup>††</sup>   | MPLS385812T-15                         |
|                         | 30' x 3/8" x 30' x 5/8" Lineset (Twin-Tube Insulation) <sup>††</sup>   | MPLS385812T-30                         |
|                         | 50' x 3/8" x 50' x 5/8" Lineset (Twin-Tube Insulation) <sup>††</sup>   | MPLS385812T-50                         |
|                         | 65' x 3/8" x 65' x 5/8" Lineset (Twin-Tube Insulation) <sup>††</sup>   | MPLS385812T-65                         |
| 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)       |



# OUTDOOR UNIT DIMENSIONS: PUZ-HA36NKA

Unit: mm<in>

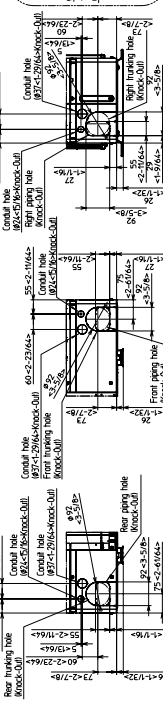


- 1 FREE SPACE (Around the unit)**  
The diagram below shows a basic example. Expansion of unit details are given in the installation manuals etc.
- 2 SERVICE SPACE**  
Dimensions of spaces needed for service are shown in the below diagram.
- 3 FOUNDATION BOLTS**  
Please ensure the unit firmly sits on foundation with 4 foundation bolts. Bolts and washers must be purchased locally!
- 4 PIPING-WIRING DIRECTIONS**  
Piping and wiring connections can be made from 4 directions: FRONT, Right, Rear and Below.

**Example of Notes**

- ① ...Refrigerant GAS pipe connection (FLARE) 9/16" (15.88) 5/8" (15.88)
- ② ...Refrigerant LIQUID pipe connection (FLARE) 9/16" (15.88) 5/8" (15.88)
- \*1 ...Indication of VALVE connection location.

### Piping Knock-Out Hole Details



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

