

PKA-A36KA7 & PUZ-HA36NKA
36,000 BTU/H WALL-MOUNTED INDOOR UNIT
36,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR



Job Name:

System Reference:

Date:



Indoor Unit.....PKA-A36KA7

Outdoor Unit.....PUZ-HA36NKA



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
- 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.
- High pressure/temperature protection
- Built-in base pan heater
- Flash injection circuit provides efficient high heating capacities at low ambient temperatures

SPECIFICATIONS: PKA-A36KA7 & PUZ-HA36NKA

| | | | |
|---|--|---------------------|---|
| Cooling at 95°F ¹ | Maximum Capacity | BTU/H | 36,000 |
| | Rated Capacity | BTU/H | 33,600 |
| | Minimum Capacity | BTU/H | 14,700 |
| | Maximum Power Input | W | 3,090 |
| | Rated Power Input | W | 2,700 |
| | Moisture Removal | Pints/h | 9.3 |
| | Sensible Heat Factor | | 0.69 |
| Heating at 47°F ² | Power Factor [208V / 230V] | % | 95.0 / 95.0 |
| | Maximum Capacity | BTU/H | 40,000 |
| | Rated Capacity | BTU/H | 38,000 |
| | Minimum Capacity | BTU/H | 14,900 |
| | Maximum Power Input | W | 3,680 |
| | Rated Power Input | W | 3,340 |
| Heating at 17°F ³ | Power Factor [208V / 230V] | % | 96.0 / 96.0 |
| | Maximum Capacity | BTU/H | 38,000 |
| | Rated Capacity | BTU/H | 25,400 |
| | Maximum Power Input | W | 5,335 |
| Heating at 5°F ⁴ | Rated Power Input | W | 3,125 |
| | Maximum Capacity | BTU/H | 38,000 |
| Heating at -13°F ⁷ | Maximum Power Input | W | 6,045 |
| | Maximum Capacity | BTU/H | 30,400 |
| Efficiency | SEER SEER2 | | 18.5 18.7 |
| | EER ¹ EER2 ¹ | | 11.6 12.3 |
| | HSPF [IV] HSPF2 [IV] | | 10.0 9.0 |
| | COP at 47°F ² | | 3.33 |
| | COP at 17°F at Maximum Capacity ³ | | 2.0 |
| | COP at 5°F at Maximum Capacity ⁴ | | 1.8 |
| 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 | 0.57 |
| | Fan Motor Type | | DC Motor |
| | Airflow Rate at Cooling, Dry | CFM | 705–810–920 |
| | Airflow Rate at Cooling, Wet | CFM | 635–730–830 |
| | Airflow Rate at Heating, Dry | CFM | 705–810–920 |
| | Sound Pressure Level [Cooling] | dB[A] | 43–46–49 |
| | Sound Pressure Level [Heating] | dB[A] | 43–46–49 |
| | 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 x 14-1/4 x 18-1/2 [1,295 x 362 x 470] |
| | Unit Weight | Lbs. [kg] | 46 [21] |
| | Package Weight | Lbs. [kg] | 53 [24] |
| Indoor Unit Operating Temperature Range | Cooling Intake Air Temp [Maximum / Minimum]* | °F | 90 DB, 72 WB / 66 DB, 61 WB |
| | Heating Intake Air Temp [Maximum / Minimum] | °F | 77 DB / 59 DB |

NOTES:
 AHRI Rated Conditions
 (Rated data is determined at a fixed compressor speed)

| | | |
|---|----|--------------------------------|
| ¹ Cooling (Indoor // Outdoor) | °F | 80 DB, 67 WB // 95 DB, 75 WB |
| ² Heating at 47°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 47 DB, 43 WB |
| ³ Heating at 17°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 17 DB, 15 WB |
| 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 |

Conditions

* 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-A36KA7 & PUZ-HA36NKA

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

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

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

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

Conditions

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

⁷Heating 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.

INDOOR UNIT ACCESSORIES: PKA-A36KA7

| | | |
|----------------------------|---|-------------------|
| Control Interface | 3-Pin Connector | PAC-715AD |
| | BACnet® and Modbus® Interface | PAC-UKPRC001-CN-1 |
| | IT Extender | PAC-WHS01IE-E |
| | kumo station® for kumo cloud® | PAC-WHS01HC-E |
| | Thermostat Interface | PAC-US444CN-1 |
| | Thermostat Interface | PAC-US445CN-1 |
| | USNAP Adapter | PAC-WHS01UP-E |
| | Wireless Interface for kumo cloud® | PAC-USWHS002-WF-2 |
| Remote Sensor | Flush Mount Remote Temperature Sensor | PAC-USSEN002-FM-1 |
| | Flush Mount Temperature Sensor | PAC-USSEN001-FM-1 |
| | Remote Temperature Sensor | PAC-SE41TS-E |
| | Wireless temperature and humidity sensor for kumo cloud® | PAC-USWHS003-TH-1 |
| Wired Remote Controller | Deluxe Wired MA Remote Controller† | PAR-40MAAU |
| | Simple Ductless Wired Remote Controller | PAC-SDW01RC-1 |
| | Simple MA Remote Controller† | PAC-YT53CRAU-J |
| | Touch MA Controller† | PAR-CT01MAU-SB |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller | MHK2 |
| | Lockdown bracket for remote controller | RCMKP1CB |
| | Wireless MA Receiver | PAR-FA32MA-W |
| | Wireless MA Remote Controller | PAR-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 |
| | Drain Pan Level Sensor/Control | SS610E |
| | Refco Condensate Pump (100-240 VAC) | GOBI-II |
| | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H | COMBI |
| Disconnect Switch | (30A/600V/UL) [fits 2" X 4" utility box] - Black | TAZ-MS303 |
| 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 |

NOTES:

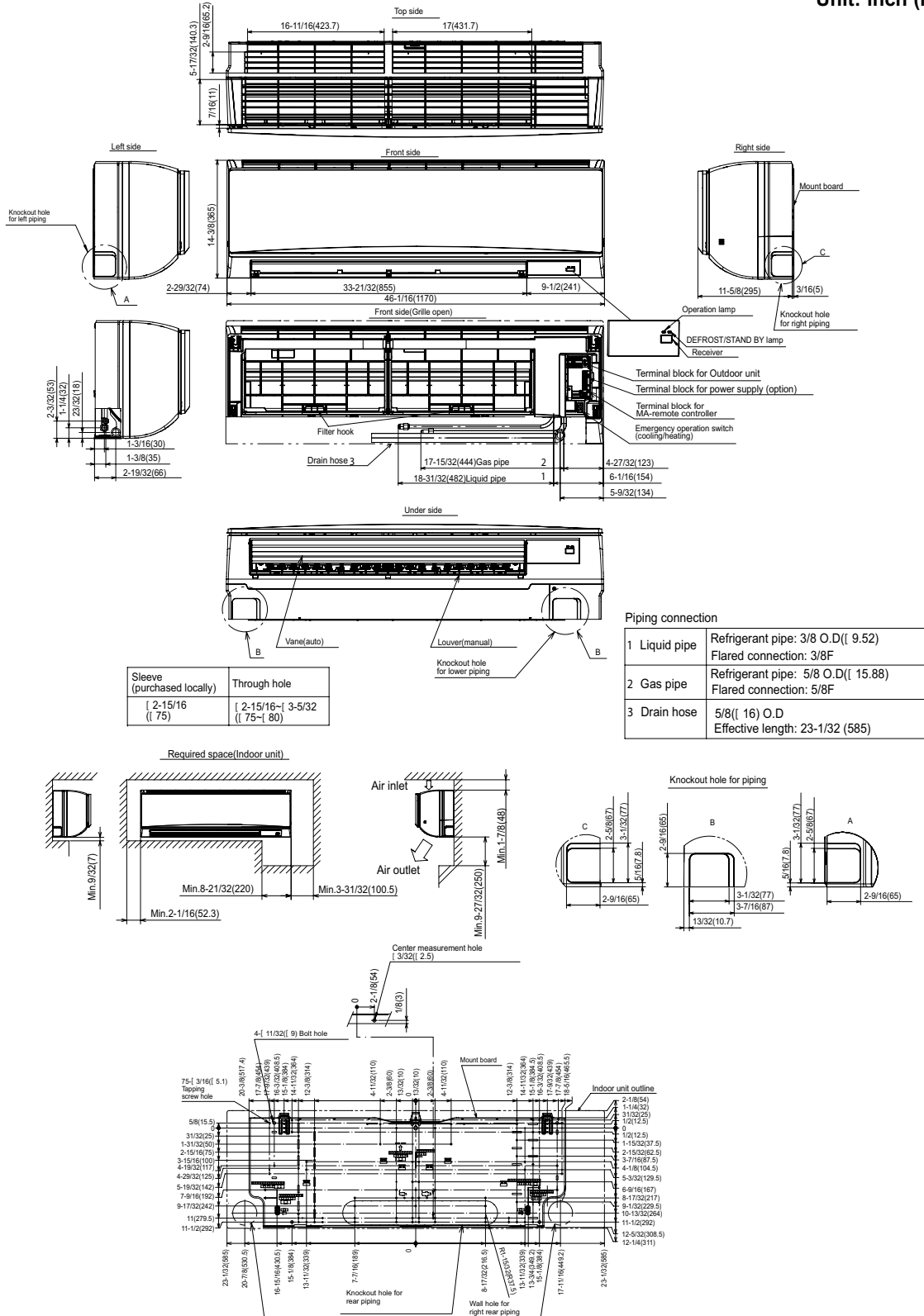
†PAC-SF40RM-E (Unable to use with wireless remote controller)

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 |
| Hail Guards | Hail Guard | HG-A2 |
| M-NET Converter | M-NET Converter | PAC-SJ85MA-E |
| | M-NET Converter | PAC-SJ95MA-E |
| Mounting Pad | Condensing Unit Mounting Pad: 24" x 42" x 3" | ULTRILITE2 |
| Optional Defrost Heater | Optional Defrost Heater | PAC-SJ20BH-E |
| Stand | 18" Dual Fan Stand | QSMS1802M |
| | 24" Dual Fan Stand | QSMS2402M |
| | Condenser Wall Bracket | QSWB2000M-1 |
| | Condenser Wall Bracket - Stainless Steel Finish | QSWBSS |
| | Outdoor Unit Stand — 12" High | QSMS1202M |
| Wind Baffle | Front Wind Baffle | WB-PA3 (two pieces are required) |

INDOOR UNIT DIMENSIONS: PKA-A36KA7

Unit: inch (mm)



Unit: mm<in>

