

Job Name:

System Reference:

Date:

Indoor Unit:

PKA-A36KA7



Outdoor Unit:

 PUZ-A36NKA7 PUZ-A36NKA7-BS**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

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- Suction accumulator pre-charged with refrigerant volume for piping length up to 100 ft (70 ft. for A12/18/24/30)
- 24-hour continuous operation (cooling mode)
- High pressure protection
- Fast restart due to bypass valve make it ideal for equipment cooling applications, such as data centers
- Superior energy and operational efficiency

SPECIFICATIONS: PKA-A36KA7 & PUZ-A36NKA7(-BS)

| Model number | Indoor unit | | PKA-A36KA7 |
|---------------------|------------------------------------------|---------|----------------------------|
| | Outdoor unit | | PUZ-A36NKA7 |
| | | | PUZ-A36NKA7-BS |
| Cooling*1 | Maximum Capacity | Btu/h | 36,000 |
| | Rated Capacity | Btu/h | 36,000 |
| | Minimum Capacity | Btu/h | 16,000 |
| | Maximum Power Input | W | 3,330 |
| | Rated Power Input | W | 3,330 |
| | Moisture Removal | Pints/h | 9.70 |
| | Sensible Heat Factor | | 0.70 |
| | Power factor | % | 96.50 |
| Heating at 47° F*2 | Maximum Capacity | Btu/h | 40,000 |
| | Rated Capacity | Btu/h | 38,000 |
| | Minimum Capacity | Btu/h | 18,200 |
| | Maximum Power Input | W | 3,700 |
| | Rated Power Input | W | 2,460 |
| | Power factor | % | 95.50 |
| Heating at 17° F *3 | Maximum Capacity | Btu/h | 25,900 |
| | Rated Capacity | Btu/h | 22,400 |
| | Maximum Power Input | W | 2,670 |
| | Rated Power Input | W | 2,610 |
| Efficiency | SEER | | 18.80 |
| | EER *1 | | 10.80 |
| | HSPF (IV) | | 9.20 |
| | COP at 47° F *2 | | 4.52 |
| | COP at 17° F *3 | | 2.51 |
| Electrical | Voltage, Phase, Frequency | | 208 / 230V, 1-phase, 60 Hz |
| | Guaranteed Voltage Range | V AC | 187 - 253 |
| | Voltage: Indoor - Outdoor, S1-S2 | V AC | 208V / 230 |
| | Voltage: Indoor - Outdoor, S2-S3 | V DC | 24 |
| | Voltage: Indoor - Remote controller | V DC | 12 |
| | Recommended Fuse/Breaker Size | A | 30 |
| | Recommended Wire Size (Indoor - Outdoor) | AWG | 14 |
| Indoor unit | MCA | A | 1.00 |
| | Fan Motor Full Load Amperage | A | 0.57 |
| | Fan Motor Output | W | 56 |

SPECIFICATIONS: PKA-A36KA7 & PUZ-A36NKA7(-BS)

| Model number | Indoor unit | | PKA-A36KA7 | |
|-----------------------------------------|---------------------------------------------|-------------|-----------------------------|--|
| | Outdoor unit | | PUZ-A36NKA7 | |
| | | | PUZ-A36NKA7-BS | |
| | Airflow Rate, Dry | CFM | 705-810-920 | |
| | Airflow Rate, Wet | CFM | 635-730-830 | |
| | Sound Pressure Level | dB(A) | 43-46-49 | |
| | Drain Pipe Size | In. (mm) | 5/8 (16) | |
| | Heat Exchanger Type | | Plate fin coil | |
| | External finish color | | White Munsell 1.0Y 9.2/0.2 | |
| | Unit Dimensions | W: In. (mm) | 46-1/16 (1170) | |
| | | D: In. (mm) | 11-5/8 (295) | |
| | | H: In. (mm) | 14-3/8 (365) | |
| | Package Dimensions | W: In. | 51 | |
| | | D: In. | 18-8/16 | |
| | | H: In. | 14-4/16 | |
| | Unit Weight | Lbs. (kg) | 46 (21) | |
| | Package Weight | Lbs. | 53 | |
| Indoor unit operating temperature range | Cooling Intake Air Temp (Maximum / Minimum) | ° F | 90 DB, 73 WB / 66 DB, 59 WB | |
| | Heating Intake Air Temp (Maximum / Minimum) | ° F | 82 DB / 50 DB | |
| Outdoor unit | MCA | A | 25 | |
| | MOCP | A | 31 | |
| | Fan Motor Full Load Amperage | A | 0.5 + 0.5 | |
| | Fan Motor Output | W | 74 | |
| | Airflow Rate | CFM | 3,880 | |
| | Refrigerant Control | | Electronic Expansion Valve | |
| | Defrost Method | | Reverse Cycle | |
| | Heat Exchanger Type | | Cross fin | |
| | Sound Pressure Level, Cooling*1 | dB(A) | 52 | |
| | Sound Pressure Level, Heating*2 | dB(A) | 53 | |
| | Compressor Type | | INVERTER-driven twin rotary | |
| | Compressor Model | | MNB33FBRMC-L | |
| | Compressor Rated Load Amps | A | 8 | |
| | Compressor Locked Rotor Amps | A | 13 | |
| | Compressor Oil Type // Charge | oz. | FV50S // 45 | |
| | External finish color | | Ivory Munsell 3Y 7.8/1.1 | |

SPECIFICATIONS: PKA-A36KA7 & PUZ-A36NKA7(-BS)

| Model number | Indoor unit | | PKA-A36KA7 |
|------------------------------------------|---------------------------------------------|-------------|-----------------------------|
| | Outdoor unit | | PUZ-A36NKA7 |
| | | | PUZ-A36NKA7-BS |
| | Base pan heater | | n/a |
| | Unit Dimensions | W: In. (mm) | 1050 [41-5/16] |
| | | D: In. (mm) | 330 + 30 [13+1-3/16] |
| | | H: In. (mm) | 1338 [52-11/16] |
| | Package Dimensions | W: In. | 42-15/16 |
| | | D: In. | 17-11/16 |
| | | H: In. | 56-4/16 |
| | Unit Weight | Lbs. | 214 (97) |
| | Package Weight | Lbs. | 243 (110) |
| Outdoor unit operating temperature range | Cooling Intake Air Temp (Maximum / Minimum) | °F | 115 DB / 0* DB |
| | Heating Intake Air Temp (Maximum / Minimum) | °F | 70 DB, 59 WB / -4 DB, -4 WB |
| | Thermal Lock-out / Re-start Temperatures** | °F | -8 / -4 DB |
| Refrigerant | Type | | R410A |
| | Charge | Lbs, oz | 10 lbs, 6 oz |
| 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) | 165 (50) |
| | Maximum Height Difference | Ft. (m) | 100 (30) |
| | Maximum Number of Bends | | 15 |

| | | | |
|------------------------------------------------------------------------------|----------------------------------------|----|--------------------------------------|
| AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) | *1 Cooling (Indoor // Outdoor) | °F | 80°F DB, 67°F WB // 95°F DB, 75°F WB |
| | *2 Heating at 47°F (Indoor // Outdoor) | °F | 70°F DB, 60°F WB // 47°F DB, 43°F WB |
| | *3 Heating at 17°F (Indoor // Outdoor) | °F | 70°F DB, 60°F WB // 17°F DB, 15°F WB |
| Conditions | *4 Heating at 5°F (Indoor // Outdoor) | °F | 70°F DB, 60°F WB // -4°F DB, -5°F WB |

Notes

*Wind baffles required to operate below 23°F DB in cooling mode. PUZ with wind baffle: 0°F - 115°F.

**System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures

SPECIFICATIONS: PKA-A36KA7 & PUZ-A36NKA7(-BS)

SEACOAST PROTECTION

External Outer Panel: Phosphate coating + Acrylic-Enamel coating

Fan Motor Support: Epoxy resin coating (at edge face)

Separator Assembly; Valve Bed: Epoxy resin coating (at edge face)

“Blue Fin” treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants.

Notes:

ACCESSORIES: PKA-A36KA7 & PUZ-A36NKA7(-BS)

| PKA-A36KA7 | |
|-----------------------------------------------------------------------------------------|--------------------------------------------|
| 3-Pole Disconnect Switch (30A/600V/UL) [fits 2" X 4" utility box] | <input type="checkbox"/> TAZ-MS303 |
| Drain Pan Level Sensor (Control for indoor unit shut off to prevent drain pan overflow) | <input type="checkbox"/> DPLS2 |
| Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (110V) | <input type="checkbox"/> X87-711 - 110 |
| Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (208/230V) | <input type="checkbox"/> X87-721 - 208/230 |
| Extension Cord for Blue Diamond Pump | <input type="checkbox"/> C13-103 |
| MegaBlue Blue Diamond Condensate Pump (110-230V) | <input type="checkbox"/> X87-835 |
| Remote Sensor (extensible) | <input type="checkbox"/> PAC-SE41TS-E |
| Connector for CN32 (remote ON/OFF) | <input type="checkbox"/> PAC-SE55RA-E |
| External fan / Heater control relay adapter | <input type="checkbox"/> CN24RELAY-KIT-CM3 |
| Backlit, wall-mounted, wireless | <input type="checkbox"/> MHK1 |
| Wireless Remote Controller | <input type="checkbox"/> MRCH1 |
| Wireless Receiver | <input type="checkbox"/> MFH1 |
| Portable Central Controller | <input type="checkbox"/> MCCH1 |
| Outside Air Sensor | <input type="checkbox"/> MOS1 |
| Wireless adapter | <input type="checkbox"/> PAC-USWHS002-WF-1 |
| BACnet® and Modbus Interface | <input type="checkbox"/> PAC-UKPRC001-CN-1 |
| Wall-mounted, Wired | <input type="checkbox"/> PAC-YT53CRAU-J |
| Wired remote controller | <input type="checkbox"/> PAR-32MAA-J |
| T-STAT Interface | <input type="checkbox"/> PAC-US444CN-1 |
| Wired remote controller | <input type="checkbox"/> PAR-32MAA |
| Simple remote controller | <input type="checkbox"/> PAC-YT53CRAU |
| Wireless Remote Controller | <input type="checkbox"/> PAR-FL32MA-E |
| Wire for Remote ON/OFF with CN32 connector | <input type="checkbox"/> PAC-715AD |
| Lockdown Bracket for wireless, hand-held, remote controllers | <input type="checkbox"/> RCMKP1CB |

| PUZ-A36NKA7(-BS) | |
|----------------------------------------------------|---------------------------------------|
| Twinning Distribution Pipe (50:50) | <input type="checkbox"/> MSDD-50TR-E |
| Air Outlet Guide (two pieces are required) | <input type="checkbox"/> PAC-SH96SG-E |
| Front Wind Baffle (two pieces are required) | <input type="checkbox"/> WB-PA3 |
| Drain socket | <input type="checkbox"/> PAC-SG61DS-E |
| Centralized Drain Pan | <input type="checkbox"/> PAC-SH97DP-E |
| M-NET Converter | <input type="checkbox"/> PAC-SF83MA-E |
| Control/Service Tool | <input type="checkbox"/> PAC-SK52ST |
| Wall mounting bracket (Powder-coated Steel) | <input type="checkbox"/> QCWB2000M-1 |
| Wall mounting bracket (316 Series Stainless Steel) | <input type="checkbox"/> QCWBSS |

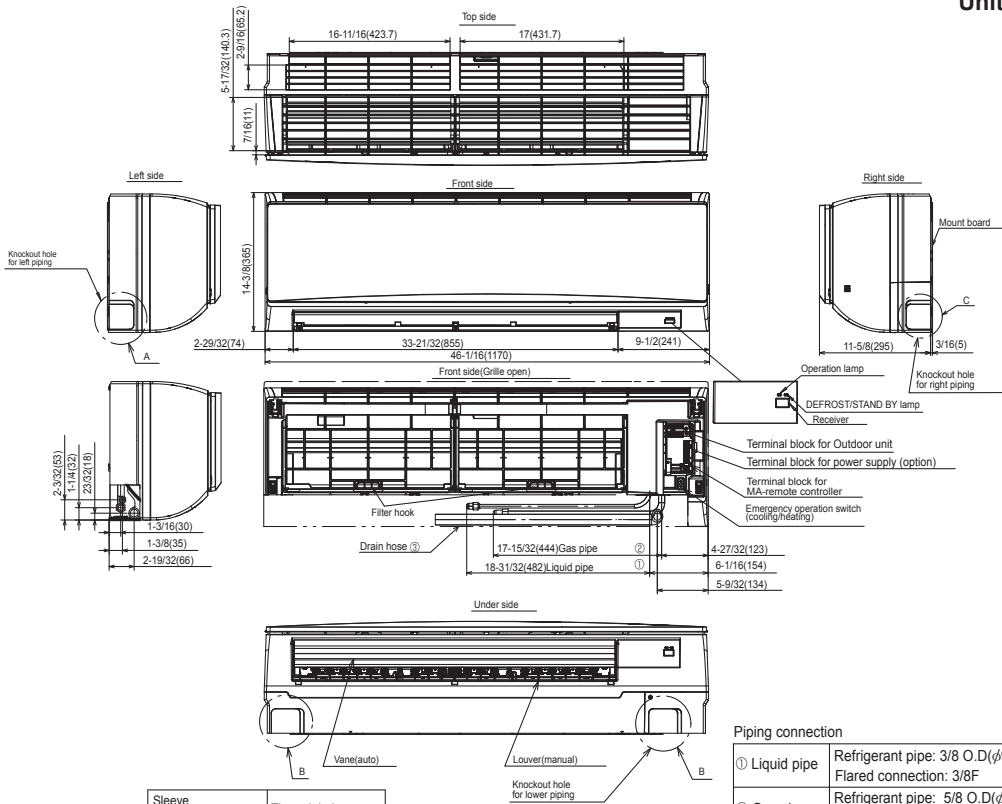
ACCESSORIES: PKA-A36KA7 & PUZ-A36NKA7(-BS)

| PUZ-A36NKA7(-BS) | |
|--------------------------------------------------------|------------------------------------------|
| M-NET control adapter for Building Management System | <input type="checkbox"/> PAC-SF83MA-E |
| Outdoor Unit Mounting Pad 24" x 42" x 3" | <input type="checkbox"/> ULTRILITE2 |
| Outdoor Unit 3-1/4 inch Mounting Base - Pair (Plastic) | <input type="checkbox"/> DSD-400N |
| MiniSplit Mounting Stand-Dual Fan models - 12" | <input type="checkbox"/> QSMS1202M |
| MiniSplit Mounting Stand-Dual Fan models - 18" | <input type="checkbox"/> QSMS1802M |
| MiniSplit Mounting Stand-Dual Fan models - 24" | <input type="checkbox"/> QSMS2402M |
| 3/8 x 5/8 x 10' / 1/2" Lineset (Twin-Tube Insulation) | <input type="checkbox"/> MPLS385812T-10 |
| 3/8 x 5/8 x 15' / 1/2" Lineset (Twin-Tube Insulation) | <input type="checkbox"/> MPLS385812T-15 |
| 3/8 x 5/8 x 30' / 1/2" Lineset (Twin-Tube Insulation) | <input type="checkbox"/> MPLS385812T-30 |
| 3/8 x 5/8 x 50' / 1/2" Lineset (Twin-Tube Insulation) | <input type="checkbox"/> MPLS385812T-50 |
| 3/8 x 5/8 x 65' / 1/2" Lineset (Twin-Tube Insulation) | <input type="checkbox"/> MPLS385812T-65 |
| 3/8 x 5/8 x 100' / 1/2" Lineset (Twin-Tube Insulation) | <input type="checkbox"/> MPLS385812T-100 |

DIMENSIONS: PKA-A36KA7 & PUZ-A36NKA7 (-BS)

PKA-A36KA7

Unit: inch (mm)



| Sleeve (purchased locally) | Through hole |
|----------------------------|----------------------------|
| φ2-15/16 (φ75) | φ2-15/16~φ3-5/32 (φ75~φ80) |

Piping connection

| | |
|---------------|---------------------------------------------------------------|
| ① Liquid pipe | Refrigerant pipe: 3/8 O.D.(φ9.52) Flared connection: 3/8F |
| ② Gas pipe | Refrigerant pipe: 5/8 O.D.(φ15.88) Flared connection: 5/8F |
| ③ Drain hose | 5/8(φ16) O.D. Effective length: 23-1/32 (585) |

