

PKA-A36KA8 & PUY-A36NKA7
36,000 BTU/H WALL-MOUNTED INDOOR UNIT
36,000 BTU/H COOLING ONLY OUTDOOR



Job Name:

System Reference:

Date:



Indoor Unit.....PKA-A36KA8

Outdoor Unit.....PUY-A36NKA7



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
- Pre-charged with refrigerant volume for piping length up to 100 ft
- Low ambient cooling down to -40°F providing 100% capacity (with wind baffles)
- 24-hour continuous operation (cooling mode)
- High pressure protection
- Fast restart
- Superior energy and operational efficiency
- 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 Heat exchanger coil to protect it against airborne contaminants.
 - Heat exchanger coil and base panel rated for 2,000 hours in accordance with ASTM B117 testing

*Seacoast protection standard from 2022 production

SPECIFICATIONS: PKA-A36KA8 & PUY-A36NKA7

| | | | |
|--|--|---|---|
| Cooling at 95°F 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 | 9.7 |
| | Sensible Heat Factor | | 0.70 |
| | Power Factor [208V / 230V] | % | 96.5 / 96.5 |
| Efficiency | SEER2 | | 19.4 |
| | EER2 ¹ | | 10.8 |
| | HSPF2 [IV] | | — |
| 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 | 30 |
| | 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 | 705–810–920 |
| | Airflow Rate at Cooling, Wet | CFM | 705–810–920 |
| | 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] | 51-3/16 x 14-11/64 x 18-1/2 [1,300 x 360 x 470] |
| | Unit Weight | Lbs. [kg] | 46 [21] |
| | Package Weight | Lbs. [kg] | 51 [23.2] |
| Indoor Unit Operating Temperature Range | Cooling Intake Air Temp [Maximum / Minimum]* | °F | 90 DB, 73 WB / 66 DB, 59 WB |
| Outdoor Unit | MCA | A | 25.0 |
| | MOCP | A | 31 |
| | Fan Motor Full Load Amperage | A | 0.5 + 0.5 |
| | Fan Motor Output | W | 74 |
| | Airflow Rate [Cooling / Heating] | CFM | 3880 |
| | Refrigerant Control | | LEV |
| | Defrost Method | | Reverse Cycle |
| | Coating on Heat Exchanger | | Blue Fin Coating*** |
| | Sound Pressure Level, Cooling ¹ | dB(A) | 52 |
| | Compressor Type | | INVERTER-driven twin rotary |
| | Compressor Model | | MNB33FBRMC-L |
| | Compressor Rated Load Amps | A | 8 |
| | Compressor Locked Rotor Amps | A | 13.0 |
| | Compressor Oil [Type // Charge] | oz. | FV50S // 45 |
| | External Finish Color | | Ivory Munsell 3Y 7.8/1.1 |
| | Base Pan Heater | | N/A |
| Unit Dimensions | W x D x H: In. [mm] | 41-5/16 x 13 (+1-3/16) x 52-11/16 [1050 x 330 (+30) x 1338] | |
| Package Dimensions | W x D x H: In. [mm] | 42-15/16 x 17-11/16 x 56-4/16 [1091 x 450 x 1429] | |
| Unit Weight | Lbs. [kg] | 211 [96] | |
| Package Weight | Lbs. [kg] | 243 [110] | |
| Outdoor Unit Operating Temperature Range | Cooling Air Temp [Maximum / Minimum]* | °F | 115 DB / -40 DB |

NOTES:

AHRI Rated Conditions

¹Cooling (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

Select high sensible versus high latent capacity mode via function setting mode 08, "Fan speed" (accessible through Touch MA, Deluxe MA, kumo touch and kumo cloud app control options):

- "High ceiling" mode = high sensible capacity
 - » Mode 08, setting 3 (factory default)
- "Standard" mode = high latent capacity
 - » Mode 08, setting 2

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

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

***Blue Fin Coating Standard from 2022 production:

- PU(Y/Z)-A(12/18)NKA7 - Beginning with serial number 12U*****
- PU(Y/Z)-A(24/30/36/42)NKA7 - Beginning with serial number 12U*****

SPECIFICATIONS: PKA-A36KA8 & PUY-A36NKA7

| | Type | | R410A |
|-------------|--|---------------|--------------|
| Refrigerant | Pre-Charged Refrigerant Amount | Lbs, oz | 10.0, 6.0 |
| | Maximum Pre-Charged Piping Length | Ft. [m] | 100.0 [30.0] |
| | Additional Refrigerant Charge Per Additional Piping Length | oz./Ft. [g/m] | 0.3 [22.5] |
| | Gas Pipe Size O.D. [Flared] | In.[mm] | 5/8 [15.88] |
| Piping | Liquid Pipe Size O.D. [Flared] | In.[mm] | 3/8 [9.52] |
| | Maximum Piping Length | Ft. [m] | 225 [68] |
| | Maximum Height Difference | Ft. [m] | 100 [30] |
| | Maximum Number of Bends | | 15 |
| | | | |

NOTES:

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

Select high sensible versus high latent capacity mode via function setting mode 08, "Fan speed" (accessible through Touch MA, Deluxe MA, kumo touch and kumo cloud app control options):

- "High ceiling" mode = high sensible capacity
 - » Mode 08, setting 3 (factory default)
- "Standard" mode = high latent capacity
 - » Mode 08, setting 2

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

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

***Blue Fin Coating Standard from 2022 production:

- PU(Y/Z)-A(12/18)NKA7 - Beginning with serial number 12U*****
- PU(Y/Z)-A(24/30/36/42)NKA7 - Beginning with serial number 12U*****

INDOOR UNIT ACCESSORIES: PKA-A36KA8

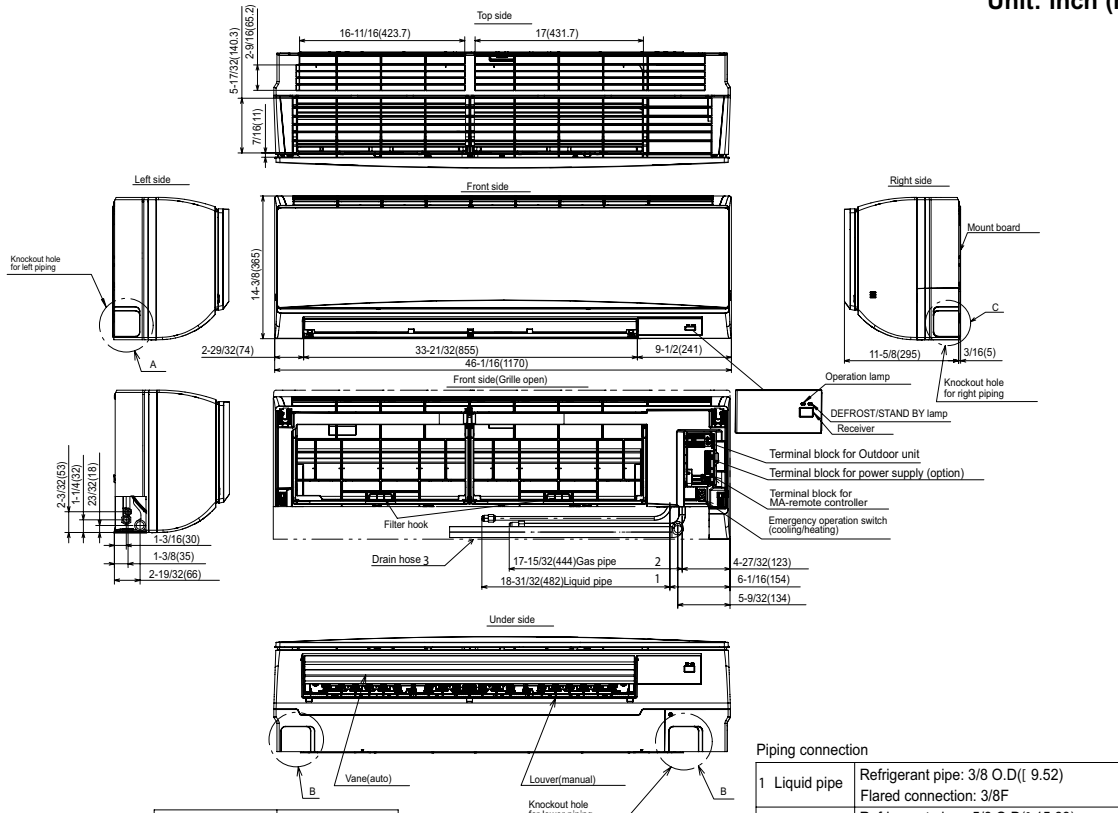
| | | |
|----------------------------|---|-------------------|
| Control Interface | 3-Pin Connector | PAC-715AD |
| | IT Extender | PAC-WHS01IE-E |
| | kumo station® for kumo cloud® | PAC-WHS01HC-E |
| | Procon BACnet® and Modbus® Interface | PAC-UKPRC001-CN-1 |
| | Thermostat Interface | PAC-US445CN-1 |
| | 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 |
| | Blue Diamond Sensor Extension Cable — 15 Ft. | C13-103 |
| | 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 |
| | Sauermann Condensate Pump | SI30-230 |
| 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 |
| 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 |
| Mini-Split Wire | 14 Gauge, 4 wire MiniSplit Cable—250 ft. roll | SW144-250 |
| | 14 Gauge, 4 wire MiniSplit Cable—50 ft. roll | SW144-50 |
| | 16 Gauge, 4 wire MiniSplit Cable—250 ft. roll | SW164-250 |
| | 16 Gauge, 4 wire MiniSplit Cable—50 ft. roll | SW164-50 |

OUTDOOR UNIT ACCESSORIES: PUY-A36NKA7

| | | |
|----------------------|--|--|
| Air Outlet Guide | Air Outlet Guide (1 Piece) | PAC-SH96SG-E (two pieces are required) |
| Control/Service Tool | Control/Service Tool | PAC-SK52ST |
| | M- & P-Series Maintenance Tool Cable Set | M21EC0397 |
| | USB/UART Conversion Cable (Required for all laptop connection) | M21EC1397 |
| M-NET Converter | M-NET Converter | PAC-SJ85MA-E |
| | M-NET Converter | PAC-SJ95MA-E |
| Mini-Split Wire | 14 Gauge, 4 wire MiniSplit Cable—250 ft. roll | S144-250 |
| | 14 Gauge, 4 wire MiniSplit Cable—50 ft. roll | S144-50 |
| | 16 Gauge, 4 wire MiniSplit Cable—250 ft. roll | S164-250 |
| | 16 Gauge, 4 wire MiniSplit Cable—50 ft. roll | S164-50 |
| Mounting Pad | Condensing Unit Mounting Pad: 24" x 42" x 3" | ULTRILITE2 |
| 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) |
| | Rear Wind Baffle | WB-RE6 |
| | Side Advanced Wind Baffle | WB-SD6 |

INDOOR UNIT DIMENSIONS: PKA-A36KA8

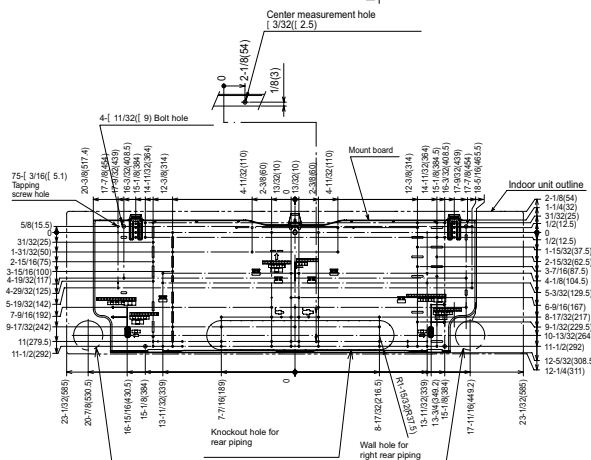
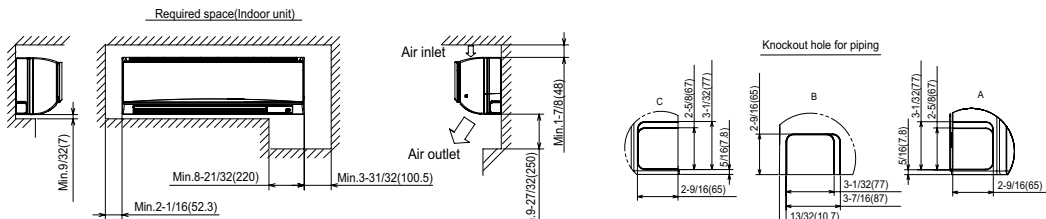
Unit: inch (mm)



| Sleeve (purchased locally) | Through hole |
|----------------------------|--------------------------------|
| { 2-15/16 (75) | { 2-15/16- 3-5/32 (75- 80) |

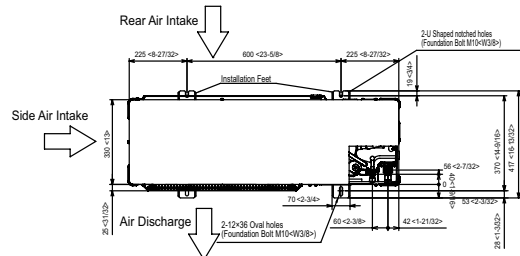
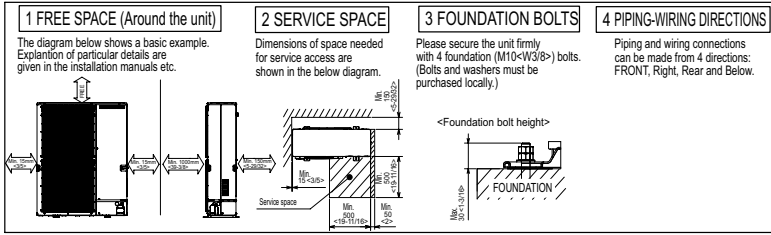
Piping connection

| | |
|---------------|---|
| 1 Liquid pipe | Refrigerant pipe: 3/8 O.D.(9.52) Flared connection: 3/8F |
| 2 Gas pipe | Refrigerant pipe: 5/8 O.D.(15.88) Flared connection: 5/8F |
| 3 Drain hose | 5/8(16) O.D Effective length: 23-1/32 (585) |



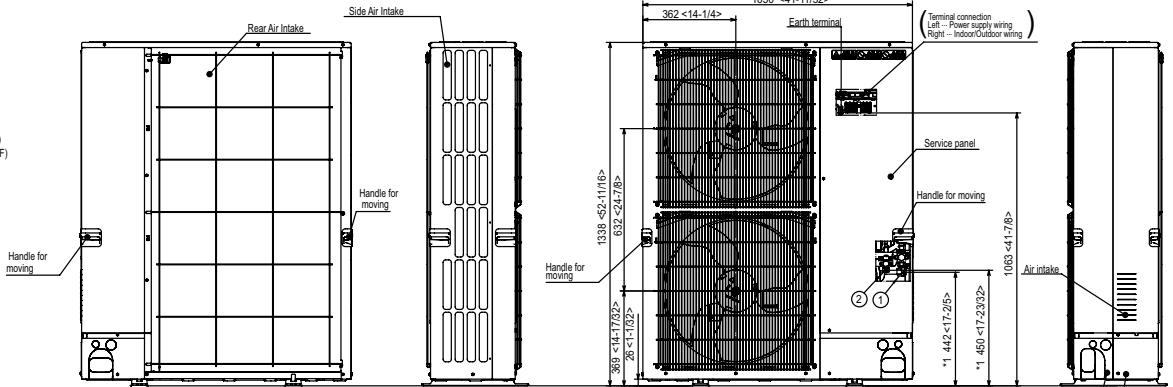
OUTDOOR UNIT DIMENSIONS: PUY-A36NKA7

Unit: mm<in>

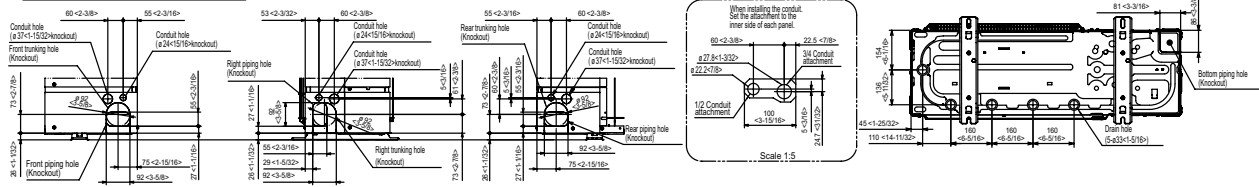


Example of Notes

- ① - Refrigerant GAS pipe connection (FLARE) ø15.88(5/8")
- ② - Refrigerant LIQUID pipe connection (FLARE) ø9.52(3/8")
- *1 ... Indication of STOP VALVE connection location.



Piping Knockout Hole Details



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

