

PAA-CA36NL & PUY-AK36NL  
32,000 BTU/H CASD COIL INDOOR UNIT  
32,000 BTU/H COOLING ONLY OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... PAA-CA36NL  
OUTDOOR Unit ... PUY-AK36NL

#### INDOOR UNIT FEATURES

- **Furnace Compatible:** Compatible with most gas furnaces, intelli-HEAT® allows for Intelligent Switchover between the furnace and heat pump operation.  
\*Mitsubishi Electric air-conditioner and heat pump systems should only be connected with ANSI-Z21.47/CSA2.3 certified furnaces
- **Intelligent Switchover:** Intelligent Switchover from electric heat pump to gas furnace operation in extreme cold for consistent comfort. The system can also be set to switch based optimal energy efficiency and to reduce your carbon footprint.
- **High Quality Drain Pan:** High quality drain pan material with high heat tolerance and low moisture absorption
- **Multi-Position Installation:** Versatile installation options, including horizontal (left or right) and vertical (up or down) orientations, with included drain pans to facilitate easy setup for any configuration.
- **Available Widths:** Available in 14.5", 17.5", and 21" widths

#### OUTDOOR UNIT FEATURES

- **Inverter Driven Compressor:** Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- **Blue Fin Coating:** Anti-corrosion coating that protects the outdoor heat exchanger against salt, sulfur, and other airborne contaminants that impact the efficiency and performance of the outdoor units.
- **Seacoast Protection:** Designed to protect against the corrosive effects of environments that are in close proximity to the sea.

**SPECIFICATIONS: PAA-CA36NL & PUY-AK36NL**

|                             |  |                                     |   |
|-----------------------------|--|-------------------------------------|---|
| Cooling at 95F <sup>1</sup> | Maximum Capacity   | Btu/h                               | 36000   |
|                             | Rated Capacity   | Btu/h                               | 32000   |
|                             | Minimum Capacity   | Btu/h                               | 16200   |
|                             | Rated Power Input  | W                                   | 2720  |
|                             | Moisture Removal   | Pints/h                             | 6.80  |
|                             | Sensible Heat Factor                                       |                                     | 0.78  |
| Efficiency                  | SEER2  |                                     | 18.10   |
|                             | EER2 <sup>1</sup>  |                                     | 11.70   |
|                             | ENERGY STAR® Certified                                     |                                     | No  |
| Electrical                  | Voltage, Phase, Frequency                                  | V AC / V AC , ø , Hz                | 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                                | 12-24   |
|                             | Short-circuit Current Rating [SCCR]                        | kA                                  | 5   |
|                             | Recommended Fuse/Breaker Size (Outdoor)                    | A                                   | 35  |
|                             | Recommended Wire Size [Indoor - Outdoor]                   | AWG                                 | 14  |
| Indoor Unit                 | MCA  | A                                   | 0.2   |
|                             | Rated Airflow, Dry   | CFM                                 | 1050  |
|                             | Maximum Airflow, Dry                                       | CFM                                 | 1201  |
|                             | Minimum Airflow, Dry                                       | CFM                                 | 800   |
|                             | Internal Static Pressure [at Rated CFM]                    | in.WG                               | 0.2   |
|                             | Drain Pipe Size O.D.                                       | inch [ mm ]                         | 3/4 [ 19.05 ]                                     |
|                             | Unit Dimensions (W x D x H)                                | inch x inch x inch [ mm x mm x mm ] | 21-1/8 x 21-7/16 x 32 [ 535 x 543 x 812 ]         |
|                             | Package Dimensions (W x D x H)                             | inch x inch x inch [ mm x mm x mm ] | 22-14/16 x 25-5/16 x 37-8/16 [ 580 x 695 x 953 ]  |
|                             | Unit Weight [Cased Coil Only]                              | lbs [ kg ]                          | 79.4 [ 36.0 ]                                     |
|                             | Control Box Weight   | lbs [ kg ]                          | 5.1 [ 2.3 ]                                       |
| Package Weight              | lbs [ kg ]   | 105.8 [ 48 ]                        |   |
| IDU Operating Temp. Range   | Cooling Intake Air Temp [Maximum / Minimum]                | deg F , deg F / deg F , deg F       | 90 , 73 / 66 , 59                                 |
| Outdoor Unit                | MCA  | A                                   | 34  |
|                             | MOCP   | A                                   | 56  |
|                             | Fan Motor Output   | W                                   | 74+74   |
|                             | Airflow Rate Cooling                                       | CFM                                 | 3910  |
|                             | Coating on Heat Exchanger (Bluefin, Sea Coast)             |                                     | Yes , Yes   |
|                             | Sound Pressure Level, Cooling <sup>1</sup>                 | dB (A)                              | 52  |
|                             | Compressor Type  |                                     | Twin Rotary                                       |
|                             | Compressor Model   |                                     | MRB36FEGMC  |
|                             | Compressor Oil [Type // Charge]                            | // oz                               | RM68EH // 45                                      |
|                             | External Finish Color                                      |                                     | Munsell 3Y 7.8/1.1                                |
|                             | Unit Dimensions (W x D x H)                                | inch x inch x inch [ mm x mm x mm ] | 41-11/32 x 14 x 52-43/64 [ 1050 x 355 x 1338 ]    |
|                             | Package Dimensions (W x D x H)                             | inch x inch x inch [ mm x mm x mm ] | 42-15/16 x 17-3/4 x 58-5/16 [ 1090 x 450 x 1480 ] |
|                             | Unit Weight  | lbs [ kg ]                          | 224 [ 102 ]                                       |
| Package Weight              | lbs [ kg ]   | 251 [ 114 ]                         |   |
| ODU Operating Temp. Range   | Cooling Intake Air Temp [Maximum / Minimum*]               | F                                   | 115 / 23  |
| Refrigerant                 | Type   |                                     | R454B   |
|                             | Pre-Charged Refrigerant Amount                             | lbs , oz                            | 9 , 14  |
|                             | Maximum Pre-Charged Piping Length                          | ft [ m ]                            | 100 [ 30 ]  |
|                             | Additional Refrigerant Charge Per Additional Piping Length | oz/ft                               | 0.6   |
| Piping                      | Gas Pipe Size O.D. [Flared]                                | inch [ mm ]                         | 5/8 [ 15.88 ]                                     |
|                             | Liquid Pipe Size O.D. [Flared]                             | inch [ mm ]                         | 3/8 [ 9.52 ]                                      |
|                             | Maximum Piping Length                                      | ft [ m ]                            | 100 [ 30 ]  |
|                             | Maximum Height Difference                                  | ft [ m ]                            | 100 [ 30 ]  |
|                             | Maximum Number of Bends                                    |                                     | 15  |
| <b>Notes</b>                |  |                                     |   |

## INDOOR UNIT ACCESSORIES: PAA-CA36NL

|                                       |   |  |
|---------------------------------------|---|--|
| Condensate                            | Refco Condensate Pump 100-240V up to 120k BTU/h   | <input type="checkbox"/> COMBI             |
|                                       | Blue Diamond Sensor Extension Cable 15 Ft   | <input type="checkbox"/> C13-103           |
|                                       | Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended] | <input type="checkbox"/> X87-711           |
|                                       | Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h                                | <input type="checkbox"/> X88-721           |
|                                       | Sauermann Condensate Pump 120-230V up to 60k BTU/h  | <input type="checkbox"/> SI30-230          |
|                                       | Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h                               | <input type="checkbox"/> X87-835           |
| Control Interface                     | Operation and Error Status Output Adapter <sup>1</sup>  | <input type="checkbox"/> PAC-SF40RM-E      |
|                                       | Thermostat Interface  | <input type="checkbox"/> PAC-US446CN-1     |
|                                       | Wireless Interface 2 for Comfrot app  | <input type="checkbox"/> PAC-USWHS002-WF-2 |
|                                       | IT Extender   | <input type="checkbox"/> PAC-WHS01IE-E     |
|                                       | kumo station® for Comfort app   | <input type="checkbox"/> PAC-WHS01HC-E     |
|                                       | Procon BACnet® and Modbus® Interface  | <input type="checkbox"/> PAC-UKPRC001-CN-1 |
| Disconnect Switch                     | 30A600VUL fits 2 X 4 utility box - Black  | <input type="checkbox"/> TAZ-MS303         |
|                                       | (30A/600V/UL) [fits 2" X 4" utility box] - White  | <input type="checkbox"/> TAZ-MS303W        |
| Lineset                               | 3/8 x 5/8 Lineset Twin-Tube Insulation - 50 feet  | <input type="checkbox"/> MPLS385812T-50    |
|                                       | 3/8 x 5/8 Lineset Twin-Tube Insulation - 10 feet  | <input type="checkbox"/> MPLS385812T-10    |
|                                       | 3/8 x 5/8 Lineset Twin-Tube Insulation - 15 feet  | <input type="checkbox"/> MPLS385812T-15    |
|                                       | 3/8 x 5/8 Lineset Twin-Tube Insulation - 65 feet  | <input type="checkbox"/> MPLS385812T-65    |
|                                       | 3/8 x 5/8 Lineset Twin-Tube Insulation - 100 feet   | <input type="checkbox"/> MPLS385812T-100   |
|                                       | 3/8 x 5/8 Lineset Twin-Tube Insulation - 30 feet  | <input type="checkbox"/> MPLS385812T-30    |
| N/A                                   |   | <input type="checkbox"/> Unknown           |
| Power Supplies & Auxiliary Components | ERV On/Off Input Adapter for CNER on SVZ PEAD and PVA models  | <input type="checkbox"/> PAC-740           |
| Remote Sensor                         | Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models                                       | <input type="checkbox"/> PAC-USSEN002-FM-1 |
|                                       | Wall Mounted Remote Temperature Sensor  | <input type="checkbox"/> PAC-SE41TS-E      |
|                                       | Wireless temperature and humidity sensor for Comfort app  | <input type="checkbox"/> PAC-USWHS003-TH-1 |
| Terminal Signal Adapter               | 3-Pin Wiring Harness  | <input type="checkbox"/> PAC-715AD         |
|                                       | 5-Pin Wiring Harness  | <input type="checkbox"/> PAC-725AD         |
|                                       | Backup Heat Relay Kit   | <input type="checkbox"/> CN24RELAY-KIT-CM3 |
| Wired Remote Controller               | Simple MA Remote Controller   | <input type="checkbox"/> PAC-YT53CRAU-J    |
|                                       | Touch MA Remote Controller  | <input type="checkbox"/> PAR-CT01MAU-SB    |
|                                       | Deluxe MA Wired Remote Controller   | <input type="checkbox"/> PAR-42MAAUB       |
|                                       | Simple Direct Wired Remote Controller   | <input type="checkbox"/> PAC-SDW01RC-1     |
| Wireless Remote Controller            | Wireless RedLINK™ Remote Controller   | <input type="checkbox"/> MHK2              |
|                                       | Wireless Remote Controller  | <input type="checkbox"/> PAR-SL101A-E      |
|                                       | Universal Wireless Receiver for PAR-FL32MA-E  | <input type="checkbox"/> PAR-FA32MA-W      |
|                                       | Universal Wireless Receiver for PAR-FL32MA-E  | <input type="checkbox"/> PAR-FA32MA-E      |
|                                       | Lockdown Bracket for Wireless Handheld Remote Controllers   | <input type="checkbox"/> RCMKP1CB          |
| <b>Notes</b>                          |   |  |

## OUTDOOR UNIT ACCESSORIES: PUY-AK36NL

|                         |   |                          |                                    |
|-------------------------|---|--------------------------|------------------------------------|
| Air Outlet Guide        | Air Outlet Guide 1 Piece                            | <input type="checkbox"/> | PAC-SH96SG-E (two pieces required) |
| Control/Service Tool    | Control/Service Tool                                | <input type="checkbox"/> | PAC-SK52ST                         |
|                         | Maintenance Tool Interface                          | <input type="checkbox"/> | PAC-USCMS-MN-1                     |
|                         | M- & P-Series Maintenance Tool Cable Set            | <input type="checkbox"/> | M21EC0397                          |
| Drain Socket            | Drain Socket  | <input type="checkbox"/> | PAC-SG61DS-E                       |
| Hail Guards             | Hail Guard  | <input type="checkbox"/> | HG-A2                              |
| M-NET Converter         | M-Net Interface for P-Series                        | <input type="checkbox"/> | PAC-SJ95MA-E                       |
| Mini-Split Wire         | 14 Gauge 4 wire Armored MiniSplit Cable250 ft roll  | <input type="checkbox"/> | SW144-250                          |
|                         | 14 Gauge 4 wire MiniSplit Cable50 ft roll           | <input type="checkbox"/> | S144-50                            |
|                         | 14 Gauge 4 wire MiniSplit Cable250 ft roll          | <input type="checkbox"/> | S144-250                           |
|                         | 14 Gauge 4 wire Armored MiniSplit Cable50 ft roll   | <input type="checkbox"/> | SW144-50                           |
| Mounting Pad            | Condensing Unit Mounting Pad 24 x 42 x 3            | <input type="checkbox"/> | ULTRILITE2                         |
| Snow/Rain Diverter      | SnowRain Diverter                                   | <input type="checkbox"/> | SRD-5                              |
| Stand                   | 24 Dual Fan Stand                                   | <input type="checkbox"/> | QSMS2402M                          |
|                         | Outdoor Unit Stand 12 High                          | <input type="checkbox"/> | QSMS1202M                          |
|                         | 18 Dual Fan Stand                                   | <input type="checkbox"/> | QSMS1802M                          |
|                         | Outdoor Unit 3-14 inch Mounting Base Pair - Plastic | <input type="checkbox"/> | DSD-400P                           |
| Terminal Signal Adapter | 5-Pin Wiring Harness                                | <input type="checkbox"/> | PAC-725AD                          |
|                         | 3-Pin Wiring Harness                                | <input type="checkbox"/> | PAC-715AD                          |
| Wind Baffle             | Rear Wind Baffle                                    | <input type="checkbox"/> | WB-RE6                             |
|                         | Front Wind Baffle                                   | <input type="checkbox"/> | WB-PA3 (two pieces required)       |
|                         | Side Advanced Wind Baffle                           | <input type="checkbox"/> | WB-SD6                             |
| <b>Notes</b>            |   |                          |                                    |

# INDOOR UNIT DIMENSIONS: PAA-CA36NL



