

# PAA-A24AA1 intelli-HEAT™ CASED COIL, 14.5" WIDTH, 24,000 BTU/H



Job Name:

System Reference:

Date:



### GENERAL FEATURES

- Compatible with any thermostatically controlled (24VAC) natural gas or LP furnace\*
- Intelligent Comfort Control Function (automatic switchover between heat pump and furnace\*)
- Includes cased coil and control box
- Available in 14.5", 17.5", and 21" widths
- Optimized heat exchanger design for increased efficiency and longevity
- Flared piping connection
- High quality drain pan material with high heat tolerance and low moisture absorption
- Multi-position installation: horizontal (left or right), vertical (up or down)
  - Drain pans for all multi-position configurations are included for easy installation
- Optional humidifier control and ERV control
- Oxygen free copper coils
- Multiple control options available:
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers

\*Mitsubishi Electric air conditioner and heat pump systems should only be connected with ANSI-Z21.47/CSA2.3 certified furnaces.

| Specifications                  |   | System              |  |
|---------------------------------|---|---------------------|--|
| Unit Type                       |   | PAA-A24AA1          |  |
| Cooling Capacity <sup>1,3</sup> |   | BTU/H               | 24,000                                     |
| Heating Capacity <sup>2,3</sup> |   | BTU/H               | 26,000                                     |
| 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  |
| Indoor Unit                     | MCA                                     | A                   | 0.2  |
|                                 | Rated Airflow, Dry                      | CFM                 | 700  |
|                                 | Maximum Airflow, Dry                    | CFM                 | 830  |
|                                 | Minimum Airflow, Dry                    | CFM                 | 551  |
|                                 | Internal Static Pressure [at Rated CFM] | in.WG               | 0.18                                       |
|                                 | Drain Pipe Size                         | In. [mm]            | 3/4 [19.05]                                |
|                                 | Coating on Heat Exchanger               |                     | —  |
|                                 | External Finish Color                   |                     | Galvanized Steel                           |
|                                 | Unit Dimensions                         | W x D x H: In. [mm] | 14.5 x 21.7 x 27.4 [368.3 x 551.2 x 696.0] |
|                                 | Package Dimensions                      | W x D x H: In. [mm] | 22.5 x 28.8 x 31.1 [572 x 732 x 790]       |
|                                 | Unit Weight [Cased Coil Only]           | Lbs. [kg]           | 48 [22.0]                                  |
|                                 | Control Box Weight                      | Lbs. [kg]           | 11.00 [4.99]                               |
|                                 | Package Weight                          | Lbs. [kg]           | 80 [36.4]                                  |
| Refrigerant                     | Type                                    |                     | R410A                                      |
| 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]                                 |

**NOTES:**

Conditions

<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>Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.

## INDOOR UNIT ACCESSORIES: PAA-A24AA1

|                            |  |                    |
|----------------------------|--|--------------------|
| Control Interface          | BACnet® and Modbus® Interface                            | PAC-UKPRC001-CN-1  |
|                            | Connector and wire for Operation status/error using CN51 | PAC-725AD          |
|                            | IT Extender  | PAC-WHS01IE-E      |
|                            | kumo station® for kumo cloud®                            | PAC-WHS01HC-E      |
|                            | Remote Operation Adapter†                                | PAC-SF40RM-E       |
|                            | 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-USSEEN002-FM-1 |
|                            | Flush Mount Temperature Sensor                           | PAC-USSEEN001-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                 | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H  | COMBI              |
| 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     |

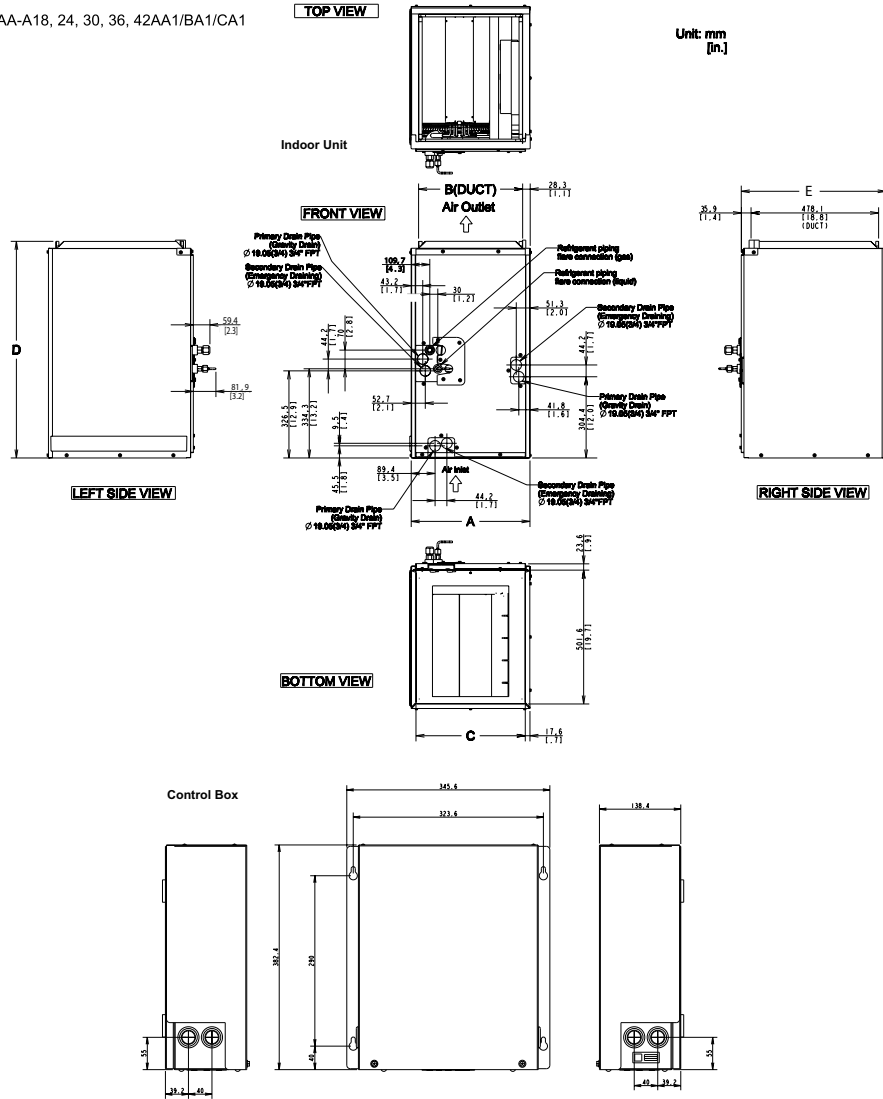
**NOTES:**

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

# INDOOR UNIT DIMENSIONS: PAA-A24AA1

PAA-A18, 24, 30, 36, 42AA1/BA1/CA1

Unit: mm  
[in.]



| Model      | A<br>mm [in.]  | B<br>mm [in.]   | C<br>mm [in.]   | D<br>mm [in.]  | E<br>mm [in.] |
|------------|----------------|-----------------|-----------------|----------------|---------------|
| PAA-A18AA1 | 368.3 [14-1/2] | 313.1 [12-5/16] | 332.7 [13-1/16] | 670.2 [26-3/8] | 543 [21-3/8]  |
| PAA-A18BA1 | 445 [17-1/2]   | 390 [15-5/16]   | 409.6 [16-1/8]  | 670.2 [26-3/8] | 543 [21-3/8]  |
| PAA-A24AA1 | 368.3 [14-1/2] | 313.1 [12-5/16] | 332.7 [13-1/16] | 670.2 [26-3/8] | 543 [21-3/8]  |
| PAA-A30AA1 | 368.3 [14-1/2] | 313.1 [12-5/16] | 332.7 [13-1/16] | 670.2 [26-3/8] | 543 [21-3/8]  |
| PAA-A24BA1 | 445 [17-1/2]   | 390 [15-5/16]   | 409.6 [16-1/8]  | 670.2 [26-3/8] | 543 [21-3/8]  |
| PAA-A30BA1 | 445 [17-1/2]   | 390 [15-5/16]   | 409.6 [16-1/8]  | 670.2 [26-3/8] | 543 [21-3/8]  |
| PAA-A36BA1 | 445 [17-1/2]   | 390 [15-5/16]   | 409.6 [16-1/8]  | 785.2 [31]     | 543 [21-3/8]  |
| PAA-A42BA1 | 445 [17-1/2]   | 390 [15-5/16]   | 409.6 [16-1/8]  | 785.2 [31]     | 543 [21-3/8]  |
| PAA-A36CA1 | 534.6 [21]     | 479.4 [18-7/8]  | 499 [19-5/8]    | 785.2 [31]     | 543 [21-3/8]  |
| PAA-A42CA1 | 534.6 [21]     | 479.4 [18-7/8]  | 499 [19-5/8]    | 785.2 [31]     | 543 [21-3/8]  |

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