

Single Zone Heat Pump Ductless System

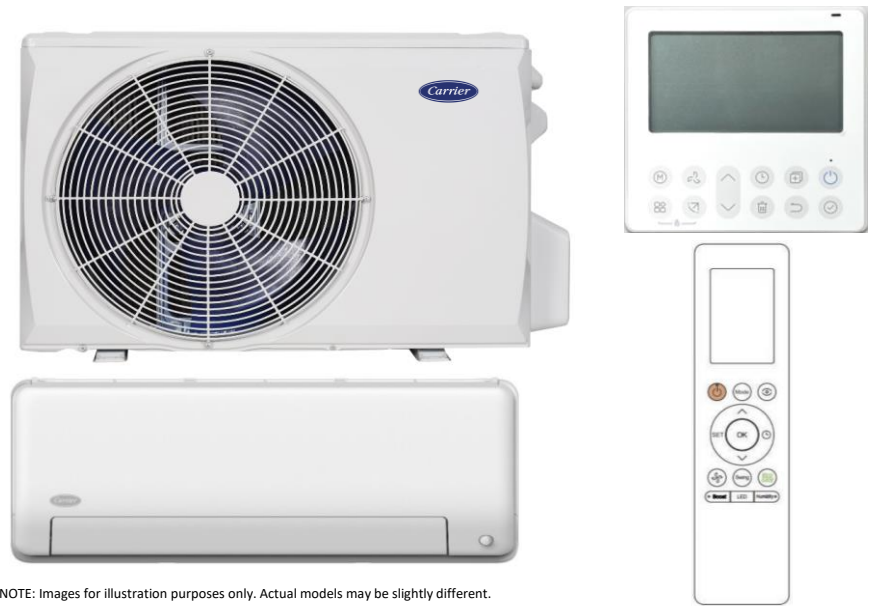
Outdoor Model: 37MPRAQ09AA3  
Indoor Model: 45MPHAQ09XA3



Turn to the experts

Job Data:   
Tag #:   
Date:

Location:   
Carrier#:



NOTE: Images for illustration purposes only. Actual models may be slightly different.

OUTDOOR STANDARD FEATURES

- Variable Speed (Inverter)
- Factory installed Base Pan Heater
- Factory installed Crankcase Heater
- Low Voltage Controls
- Auto-Restart function
- Condenser High Temp Protection
- Quiet operation
- Anti-corrosive fin coating

INDOOR STANDARD FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Four fan speeds
- Sleep Mode
- Turbo Mode
- Louver Angle Memory
- Follow Me (senses temperature at handheld remote)
- Auto-Restart function
- Condenser High Temp Protection
- Quiet indoor operation
- Anti-corrosive fin coating

RESIDENTIAL APPLICATION LIMITED WARRANTY\*

- Ten (10) years if properly registered within ninety (90) days after original installation, parts are warranted to the original purchaser for a period of ten (10) years. Otherwise, parts warranty is five (5) years.

| Outdoor - Heat Pump |                                                      |                |                  |
|---------------------|------------------------------------------------------|----------------|------------------|
| System              | Outdoor Model #                                      | 37MPRAQ09AA3   |                  |
|                     | Outdoor Size                                         | 9000           |                  |
| Electrical          | Voltage, Phase, Cycle                                | V/Ph/Hz        | 208-230V/1/60    |
|                     | MCA                                                  | A.             | 16               |
|                     | MOPA                                                 | A.             | 20               |
|                     | SCCR                                                 | kA             | 5                |
| Operating Range     | Cooling Outdoor DB Min - Max                         | *F(°C)         | -22~-122(-30~50) |
|                     | Heating Outdoor DB Min - Max                         | *F(°C)         | -22~-75(-30~24)  |
| Piping              | Min. Piping Length                                   | ft (m)         | 9.8 (3)          |
|                     | Standard Piping Length                               | ft. (m)        | 24.6 (7.5)       |
|                     | Total Piping Length                                  | ft (m)         | 82.02(25)        |
|                     | Piping Lift                                          | ft (m)         | 49.21(15)        |
|                     | Pipe Connection Size - Liquid                        | in (mm)        | 1/4in(6.35mm)    |
|                     | Pipe Connection Size - Suction                       | in (mm)        | 3/8in(9.52mm)    |
| Refrigerant         | Refrigerant Type                                     | R454B          |                  |
|                     | Charge                                               | lbs (kg)       | 2.76(1.25)       |
|                     | Add'l Refrigerant (between Std & Max Piping Lengths) | Oz/ft (g/m)    | 0.16(15)         |
| Outdoor Coil        | Face Area                                            | Sq. Ft.        | 5.9              |
|                     | No. Rows                                             |                | 1.6              |
|                     | Fins per inch                                        |                | 20               |
|                     | Circuits                                             |                | 4                |
| Compressor          | Type                                                 | ROTARY         |                  |
|                     | Model                                                | KTM110D79UFZA3 |                  |
|                     | Oil Type                                             | ESTER OIL      |                  |
|                     | Oil Charge                                           | Fl. Oz.        | 16.91            |
| Airflow & Sound     | Rated Current                                        | RLA            | 7                |
|                     | Airflow                                              | CFM            | 1472.3           |
|                     | Sound Pressure                                       | dB(A)          | 57               |
| Dimensions          | Height                                               | inch           | 26.50(673)       |
|                     | Width                                                | inch           | 35.04(890)       |
|                     | Depth                                                | inch           | 13.46(342)       |
|                     | Net Weight                                           | lbs.           | 99.65(45.2)      |
|                     | Shipping Height                                      | inch           | 29.13(740)       |
|                     | Shipping Width                                       | inch           | 39.17(995)       |
|                     | Shipping Depth                                       | inch           | 15.67(398)       |
|                     | Shipping Net Weight                                  | lbs.           | 107.80(48.9)     |

\* Condensing unit above or below indoor unit

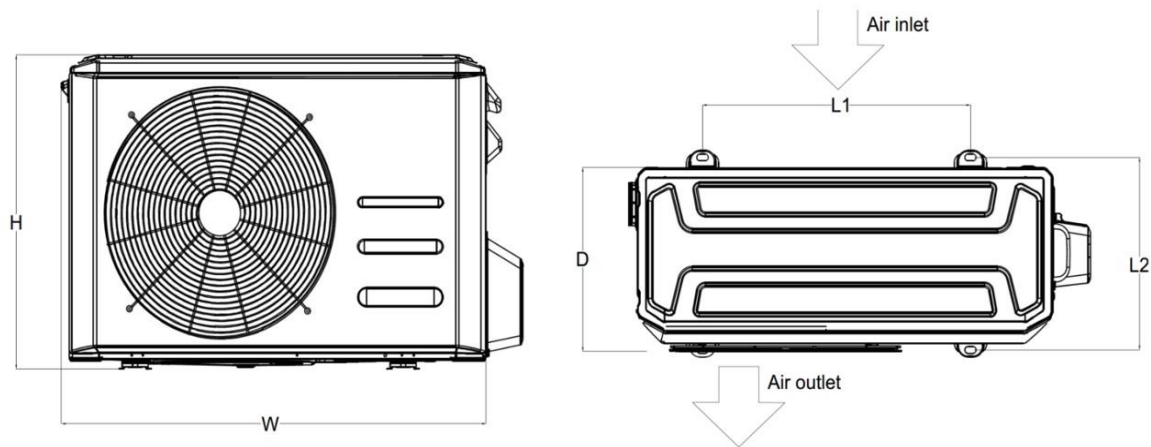
| 37MPRAQ09AA3 / 45MPHAQ09XA3 System Accessories |                                                |              |  |
|------------------------------------------------|------------------------------------------------|--------------|--|
| Standard                                       | Wireless Remote Controller (*F/°C Convertible) |              |  |
|                                                | Wi-Fi™ Kit High Wall                           | KSAIF0701AAA |  |
| Optional                                       | 24V Mini Interface                             | KSAIC0601230 |  |
|                                                | Wired Remote Control 7 Day Programmable        | KSACN1401AAA |  |
|                                                | Wired Remote Control with Timer Function       | KSACN1201AAA |  |

| Indoor - Heat Pump |                                    |                                     |                                     |
|--------------------|------------------------------------|-------------------------------------|-------------------------------------|
| System             | Indoor Model #                     | 45MPHAQ09XA3                        |                                     |
|                    | Indoor Size                        | 9000                                |                                     |
| Electrical         | Voltage, Phase, Cycle              | V/Ph/Hz                             | 208-230V/1/60                       |
|                    | Power Supply                       | Indoor unit powered by outdoor unit |                                     |
|                    | MCA                                | A.                                  | 3                                   |
| Operating Range    | Cooling Indoor DB Min - Max        | *F(°C)                              | 60~90(16~32)                        |
|                    | Heating Indoor DB Min - Max        | *F(°C)                              | 32~86(0~30)                         |
| Indoor Coil        | Face Area                          | Sq. Ft.                             | 2.75                                |
|                    | No. Rows                           |                                     | 2                                   |
|                    | Fins per inch                      |                                     | 20                                  |
|                    | Circuits                           |                                     | 4                                   |
| Indoor Unit        | Number of Fan Speeds               |                                     | 1350/1050/700                       |
|                    | Airflow (highest to lowest)        | CFM                                 | 559.2 / 423.8 / 211.9 / 153.0 / N/A |
|                    | Sound Pressure (highest to lowest) | dB(A)                               | N/A/41.5/33/23/19                   |
|                    | Moisture Removal                   | L/h                                 | 0.5                                 |
|                    | Air Throw Data                     | ft(m)                               | 26.57(8.1)                          |
| Dimensions         | Height                             | in (mm)                             | 12.56(319)                          |
|                    | Width                              | in (mm)                             | 37.99(965)                          |
|                    | Depth                              | in (mm)                             | 9.41(239)                           |
|                    | Net Weight                         | lbs (kg)                            | 28.22(12.8)                         |
|                    | Shipping Height                    | inch                                | 12.80(325)                          |
|                    | Shipping Width                     | inch                                | 41.14(1045)                         |
|                    | Shipping Depth                     | inch                                | 15.75(400)                          |
|                    | Shipping Net Weight                | lbs.                                | 36.82(16.7)                         |

| 37MPRAQ09AA3 / 45MPHAQ09XA3 System Performance |       |            |
|------------------------------------------------|-------|------------|
| Cooling Rated Capacity (DOE A2 - 95°F)         |       | 9000       |
| Cooling Capacity Range                         |       | 3100~16500 |
| SEER2                                          | Btu/h | 33.5       |
| EER2 (DOE A2 - 95°F)                           | Btu/h | 17         |
| Heating Rated Capacity (DOE H12 - 47°F)        |       | 12000      |
| Heating Capacity Range                         |       | 4100~17200 |
| COP (DOE H12 - 47°F)                           | Btu/h | 3.6        |
| HSPF2 IV                                       | Btu/h | 22         |
| HSPF2 V                                        | Btu/h | 16         |
| Cooling Rated Capacity (DOE B2 - 82°F)         |       | 9500       |
| EER2 (DOE B2 - 82°F)                           | Btu/h | 25.6       |
| Heating Rated Capacity (DOE H32 - 17°F)        |       | 11000      |
| COP (DOE H32 - 17°F)                           | W/W   | 2.4        |
| Heating Maximum Capacity (17°F)                |       | 14500      |
| Heating Rated Capacity (ODE H42 - 5°F)         |       | 13500      |
| COP (DOE H42 - 5°F)                            |       | 2          |
| Heating Maximum Capacity (5°F)                 |       | 13500      |

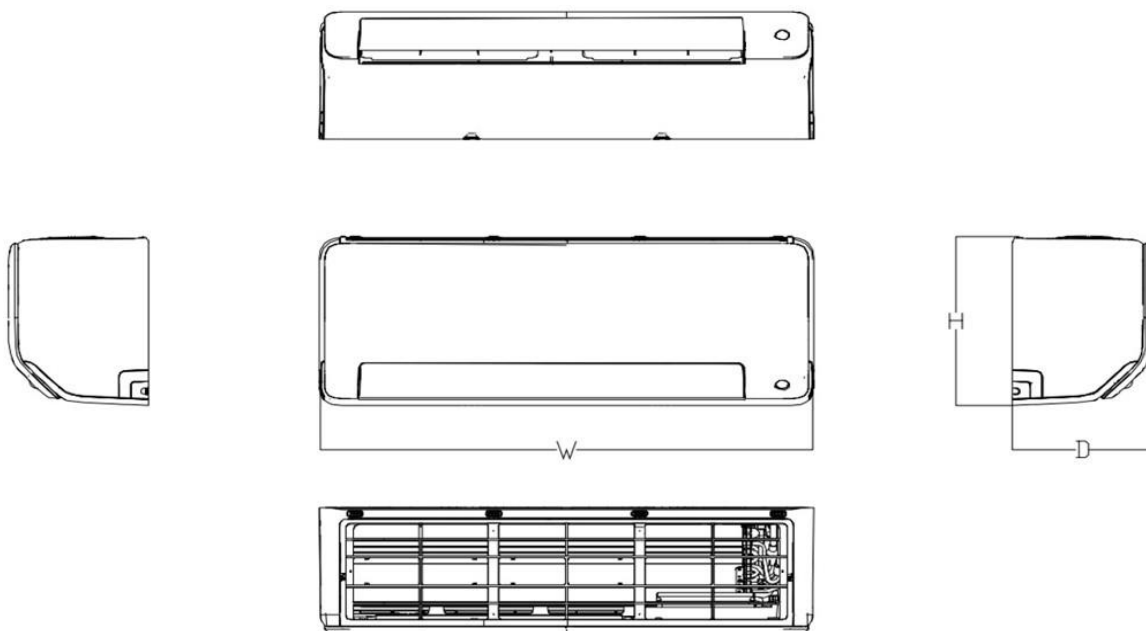


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#### OUTDOOR UNIT DIMENSIONS

| Capacity  | Unit | W     | D     | H     | L1    | L2     |
|-----------|------|-------|-------|-------|-------|--------|
| 6K/9K/12K | mm   | 890   | 342   | 673   | 663   | 379.59 |
|           | inch | 35.04 | 13.46 | 26.5  | 26.1  | 14.94  |
| 18K       | mm   | 946   | 410   | 810   | 672   | 454.8  |
|           | inch | 37.24 | 16.14 | 31.89 | 26.49 | 17.91  |



#### INDOOR UNIT DIMENSIONS

| Capacity  | Unit | W     | D     | H     |
|-----------|------|-------|-------|-------|
| 6K/9K/12K | mm   | 965   | 239   | 319   |
|           | inch | 37.99 | 9.41  | 12.56 |
| 18K       | mm   | 1140  | 275   | 370   |
|           | inch | 44.88 | 10.83 | 14.57 |