



## Submittal Data Sheet

Indoor Unit Model#: ACiQ-K12W-W-HP230B (White)

ACiQ-K12W-BL-HP230B (Black)

Outdoor Unit Model#: ACiQ-K12Z-HP230B

12K (230V) Single-Zone Mini-Split System

|               |               |
|---------------|---------------|
| Location:     | Approval:     |
| Engineer:     | Date:         |
| Submitted to: | Construction: |
| Submitted by: | Unit #:       |
| Reference:    | Drawing #:    |

System Product Code: 810175552170 (with white air handler)  
810175552248 (with black air handler)

Indoor Unit Product Code: 810175551968 (white air handler)  
810175552040 (black air handler)

Outdoor Unit Product Code: 810175552101



### INDOOR UNIT SPECIFICATIONS

|                                                         |           |                             |
|---------------------------------------------------------|-----------|-----------------------------|
| Indoor Airflow<br>(Turbo/Hi/Med/Low/Mute)               | CFM       | 342 / 270 / 235 / 200 / 152 |
| Indoor Noise Level (cooling)<br>(Turbo/Hi/Med/Low/Mute) | dB(A)     | 45 / 42 / 35 / 30 / 28      |
| Suitable Room Coverage Area                             | sq. ft.   | Up to 550                   |
| Moisture Removal/Dehumidification                       | Liters/hr | 1.6                         |
| Controller                                              | Type      | Remote                      |
| Unit Dimensions<br>(W×D×H)                              | in        | 31.93 x 7.99 x 11.50        |
|                                                         | mm        | 811 x 203 x 292             |
| Packing Dimensions<br>(W×D×H)                           | inch      | 34.84 x 10.83 x 14.41       |
|                                                         | mm        | 885 x 275 x 366             |
| Net Weight                                              | lbs       | 19.8                        |
|                                                         | kg        | 9.0                         |
| Gross Weight                                            | lbs       | 26.5                        |
|                                                         | kg        | 12                          |

### OUTDOOR UNIT SPECIFICATIONS

|                               |       |                       |
|-------------------------------|-------|-----------------------|
| Outdoor Noise Level           | dB(A) | 55                    |
| Unit Dimensions<br>(W×D×H)    | in    | 30.98 x 11.42 x 19.61 |
|                               | mm    | 787 x 290 x 498       |
| Packing Dimensions<br>(W×D×H) | in    | 32.99 x 13.31 x 21.26 |
|                               | mm    | 838 x 338 x 540       |
| Net Weight                    | lbs   | 55.1                  |
|                               | kg    | 25                    |
| Gross Weight                  | lbs   | 65                    |
|                               | kg    | 29.5                  |

### SYSTEM PERFORMANCE

#### Cooling Performance

|                                       |         |              |
|---------------------------------------|---------|--------------|
| Cooling Capacity Range                | Btu/h   | 3400 ~ 13000 |
| Rated Cooling Capacity at 95°F (35°C) | Btu/h   | 12000        |
| SEER2 at 95°F (35°C)                  | Btu/W.h | 20.0         |
| EER2 at 95°F (35°C)                   | Btu/W.h | 11.2         |
| Rated Input Consumption               | W       | 1050         |
| Rated Current                         | A       | 4.8          |

#### Heating Performance

|                                         |         |              |
|-----------------------------------------|---------|--------------|
| Heating Capacity Range                  | Btu/h   | 3400 ~ 13900 |
| Rated Heating Capacity at 47°F (8.3°C)  | Btu/h   | 12000        |
| Rated Heating Capacity at 17°F (-8.3°C) | Btu/h   | 7400         |
| Max. Heating Capacity at 5°F (-15°C)    | Btu/h   | 8500         |
| Max. Heating Capacity at -4°F (-20°C)   | Btu/h   | 7200         |
| HSPF2-Region IV                         | Btu/W.h | 9.5          |
| HSPF2-Region V                          | Btu/W.h | 8.2          |
| COP2 at 47°F (8.3°C)                    | W/W     | 3.41         |
| COP2 at 5°F (-15°C)                     | W/W     | 1.8          |
| Rated Input Consumption                 | W       | 1030         |
| Rated Current                           | A       | 4.7          |

### OPERATING & AMBIENT TEMPERATURE RANGE

|                                               |    |             |
|-----------------------------------------------|----|-------------|
| Operating Temperature Range                   | °F | 60.8 ~ 87.8 |
|                                               | °C | 16 ~ 31     |
| Ambient Temperature Range (Cooling Operation) |    |             |
| Indoor Unit                                   | °F | ≥ 62        |
|                                               | °C | ≥ 17        |
| Outdoor Unit                                  | °F | 5 ~ 122     |
|                                               | °C | -15 ~ 50    |
| Ambient Temperature Range (Heating Operation) |    |             |
| Indoor Unit                                   | °F | ≤ 86        |
|                                               | °C | ≤ 30        |
| Outdoor Unit                                  | °F | -4 ~ 86     |
|                                               | °C | -20 ~ 30    |

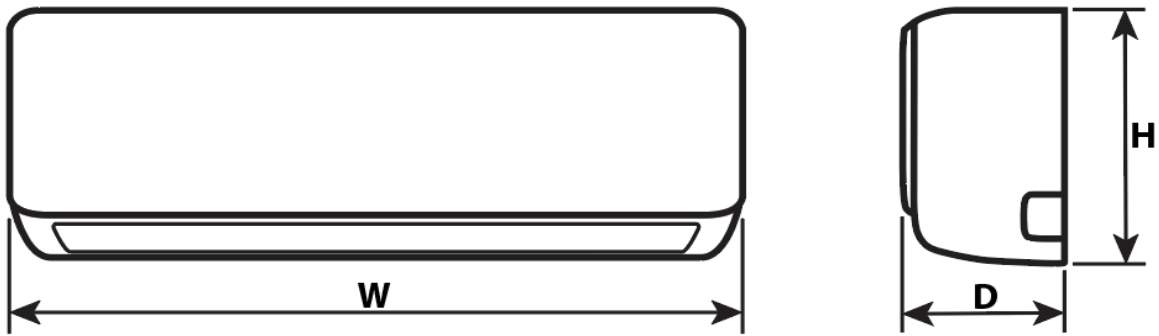
### ELECTRICAL SPECIFICATIONS

|                                |                 |                       |
|--------------------------------|-----------------|-----------------------|
| Power Supply                   | V, Ph, Hz       | 208/230V, 1 Ph, 60 Hz |
| Minimum Circuit Ampacity (MCA) | A               | 11                    |
| Max. Fuse Size                 | A               | 15                    |
| Recommended Connection Wiring  | Size x Core No. | 4 x 16 AWG            |
| Recommended Power Wiring       | Core No.        | 14 AWG                |

### REFRIGERANT PIPING SPECIFICATIONS

|                                                              |       |                |
|--------------------------------------------------------------|-------|----------------|
| Refrigerant                                                  | Type  | R454B          |
| Refrigerant Charge Amount                                    | oz    | 30.34          |
|                                                              | g     | 860            |
| Additional Charge of Refrigerant                             | oz/ft | 0.11           |
|                                                              | g/m   | 10             |
| Max. Allowable Pressure                                      | Mpa   | 5.0            |
| Liquid Piping Size                                           | in    | 1/4"           |
|                                                              | mm    | 6.35           |
| Gas Piping Size                                              | in    | 3/8"           |
|                                                              | mm    | 9.53           |
| Included Line Set Length<br>(not pre-charged w/ refrigerant) | ft    | 16             |
|                                                              | m     | 4.88           |
| Max. Piping Length                                           | ft    | 49             |
|                                                              | m     | 15             |
| Max. Height Difference                                       | ft    | 33             |
|                                                              | m     | 10             |
| Connection Method                                            | Type  | Flared Fitting |

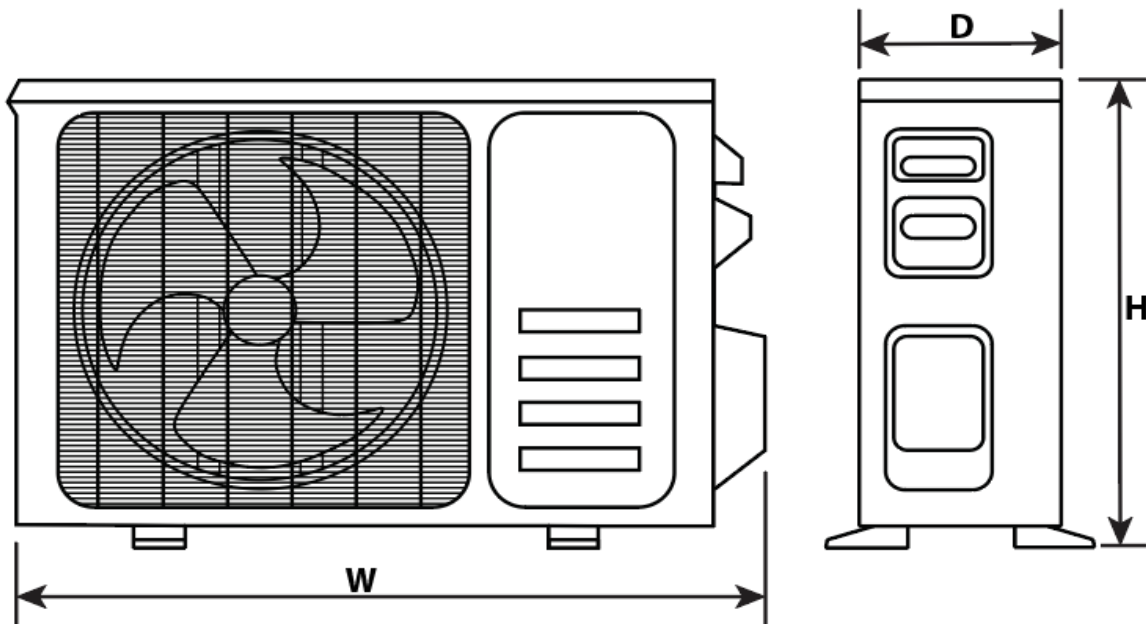
#### Indoor Unit Dimensions



| Capacity | W (Width)          | D (Depth)         | H (Height)        |
|----------|--------------------|-------------------|-------------------|
| 9K-12K   | 31.93 in (811 mm)  | 7.99 in (203 mm)  | 11.50 in (292 mm) |
| 18K      | 39.76 in (1010 mm) | 8.66 in (220 mm)  | 12.40 in (315 mm) |
| 24K-36K  | 46.89 in (1191 mm) | 10.16 in (258 mm) | 14.17 in (360 mm) |

Units: Inch (Millimeter)

#### Outdoor Unit Dimensions



| Capacity | W (Width)         | D (Depth)         | H (Height)        |
|----------|-------------------|-------------------|-------------------|
| 9K-12K   | 30.98 in (787 mm) | 11.42 in (290 mm) | 19.61 in (498 mm) |
| 18K      | 33.98 in (863 mm) | 13.74 in (349 mm) | 23.70 in (602 mm) |
| 24K      | 36.50 in (927 mm) | 14.96 in (380 mm) | 27.52 in (699 mm) |
| 36K      | 38.50 in (978 mm) | 16.57 in (421 mm) | 31.61 in (803 mm) |

Units: Inch (Millimeter)