



Submittal Data Sheet

Indoor Unit Model#: ACiQ-K12W-W-32-HP230B (White)
 ACiQ-K12W-BL-32-HP230B (Black)
 Outdoor Unit Model#: ACiQ-K12Z-32-HP230B

| ACiQ Essentials 9K (230V) R32 20 SEER2 Single-Zone Mini-Split System | |
|--|---------------|
| Location: | Approval: |
| Engineer: | Date: |
| Submitted to: | Construction: |
| Submitted by: | Unit #: |
| Reference: | Drawing #: |



| INDOOR UNIT SPECIFICATIONS | | |
|---|-----------|-----------------------------|
| Indoor Airflow (Turbo/Hi/Med/Lo/Mute) | CFM | 342 / 270 / 235 / 200 / 152 |
| Indoor Noise Level (cooling) (Turbo/Hi/Med/Lo/Mute) | dB(A) | 45 / 42 / 35 / 30 / 28 |
| Suitable Room Coverage Area | sq. ft. | Up to 280 |
| Moisture Removal/Dehumidification | Liters/hr | 1.6 |
| Controller | Type | Remote |
| Unit Dimensions (W×D×H) | in | 31.93 x 7.80 x 11.50 |
| | mm | 811 x 198 x 292 |
| Packing Dimensions (W×D×H) | inch | 34.84 x 10.83 x 14.41 |
| | mm | 885 x 275 x 366 |
| Net Weight | lbs | 18.7 |
| | kg | 8.5 |
| Gross Weight | lbs | 24.3 |
| | kg | 11.0 |

| OUTDOOR UNIT SPECIFICATIONS | | |
|--|-------|-----------------------|
| Outdoor Noise Level | dB(A) | 55 |
| Unit Dimensions (with Valve cover) (W×D×H) | in | 31.50 x 12.01 x 21.69 |
| | mm | 805 x 305 x 551 |
| Packing Dimensions (W×D×H) | in | 33.54 x 14.09 x 23.62 |
| | mm | 852 x 358 x 600 |
| Net Weight | lbs | 51.8 |
| | kg | 23.5 |
| Gross Weight | lbs | 62.8 |
| | kg | 28.5 |

| SYSTEM PERFORMANCE | | | |
|---------------------------------------|---------|--|--------------|
| Cooling Performance | | | |
| Rated Cooling Capacity at 95°F (35°C) | Btu/h | | 12000 |
| Cooling Capacity Range | Btu/h | | 2000 ~ 13900 |
| EER2 at 95°F (35°C) | Btu/W.h | | 9.5 |
| SEER2 at 95°F (35°C) | Btu/W.h | | 20.0 |
| Rated Input Consumption | W | | 1240 |
| Rated Current | A | | 5.4 |

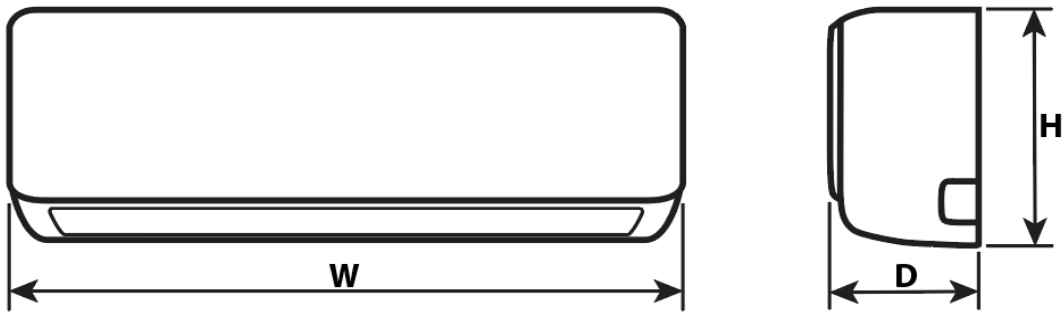
| Heating Performance | | | |
|---|---------|--|--------------|
| Rated Heating Capacity at 47°F (8.3°C) | Btu/h | | 12000 |
| Rated Heating Capacity at 17°F (-8.3°C) | Btu/h | | 10000 |
| Max. Heating Capacity at 5°F (-15°C) | Btu/h | | 8800 |
| Max. Heating Capacity at -4°F (-20°C) | Btu/h | | 7200 |
| Heating Capacity Range | Btu/h | | 2000 ~ 13900 |
| HSPF2-Region IV | Btu/W.h | | 10 |
| HSPF2-Region V | Btu/W.h | | 8.5 |
| COP2 at 47°F (8.3°C) | W/W | | 3.3 |
| COP2 at 5°F (-15°C) | W/W | | 1.8 |
| Rated Input Consumption | W | | 1125 |
| Rated Current | A | | 4.9 |

| OPERATING & AMBIENT TEMPERATURE RANGE | | | |
|---|----|--|--------------|
| Operating Temperature Range | °F | | 60.8 ~ 87.8 |
| | °C | | 16 ~ 31 |
| Ambient Temperature Range (Cooling Operation) | | | |
| Indoor Unit | °F | | 63°F ~ 90°F |
| | °C | | 17°C ~ 32°C |
| Outdoor Unit | °F | | 5°F ~ 127°F |
| | °C | | -15°C ~ 53°C |
| Ambient Temperature Range (Heating Operation) | | | |
| Indoor Unit | °F | | 32°F ~ 81°F |
| | °C | | 0°C ~ 27°C |
| Outdoor Unit | °F | | -4°F ~ 75°F |
| | °C | | -20°C ~ 24°C |

| 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. | 3 x 14 AWG |

| REFRIGERANT PIPING SPECIFICATIONS | | |
|---|-------|----------------|
| Refrigerant | Type | R32 |
| Refrigerant Charge Amount | oz | 20.46 |
| | g | 580 |
| 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 (not pre-charged w/ refrigerant) | ft | 16 |
| | m | 4.88 |
| Max. Piping Length | ft | 50 |
| | m | 15 |
| Max. Height Difference | ft | 33 |
| | m | 10 |
| Connection Method | Type | Flared Fitting |

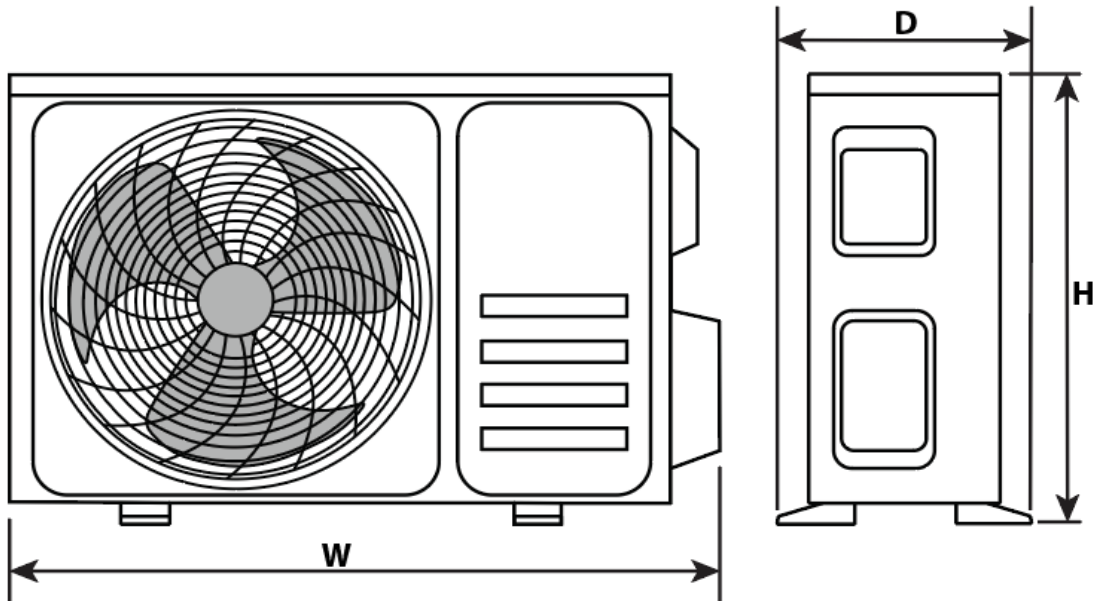
Indoor Unit Dimensions



| Capacity | W (Width) | D (Depth) | H (Height) |
|----------|--------------------|-------------------|-------------------|
| 9K | 31.93 in (811 mm) | 7.99 in (203 mm) | 11.50 in (292 mm) |
| 12K | 31.93 in (811 mm) | 7.80 in (198 mm) | 11.50 in (292 mm) |
| 18K | 35.83 in (910 mm) | 8.11 in (206 mm) | 11.57 in (294 mm) |
| 24K | 39.76 in (1010 mm) | 8.66 in (220 mm) | 12.40 in (315 mm) |
| 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 | 30.98 in (787 mm) | 11.42 in (290 mm) | 19.61 in (498 mm) |
| 12K | 31.50 in (800 mm) | 12.01 in (305 mm) | 21.69 in (551 mm) |
| 18K | 33.54 in (852 mm) | 13.74 in (349 mm) | 23.70 in (602 mm) |
| 24K | 36.10 in (917 mm) | 14.76 in (375 mm) | 27.56 in (700 mm) |
| 36K | 38.50 in (978 mm) | 16.57 in (421 mm) | 31.61 in (803 mm) |

Units: Inch (Millimeter)