

# Submittal Data Sheet

Indoor Unit Model#: AC-I-4860ACL-24

Outdoor Unit Model#: AC-I-48HP14

## R32 4860ACL 24.5" EVAPORATOR A-COIL & 48K TOP-DISCHARGE HEAT PUMP CONDENSER

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



### EVAPORATOR A-COIL SPECIFICATIONS

|                   |      |                       |
|-------------------|------|-----------------------|
| Dimension (W×D×H) | inch | 24.49 x 21.02 x 27.80 |
|                   | mm   | 622 x 534 x 706       |
| Package (W×D×H)   | inch | 28.15 x 27.36 x 30.12 |
|                   | mm   | 715 x 695 x 765       |
| Net/Gross Weight  | lbs  | 97.0 / 115.0          |
|                   | kg   | 43.9 / 52.2           |

### OUTDOOR UNIT SPECIFICATIONS

|                               |      |                       |
|-------------------------------|------|-----------------------|
| Compressor Type               | --   | Scroll                |
| Compressor Model              | --   | SKDC041N1ULB          |
| Compressor Capacity           | W    | 14200                 |
| Compressor Rated Power Input  | W    | 3300                  |
| Compressor Rated Current RLA  | A    | 14.6                  |
| Refrigerant Oil Type          | --   | VG46                  |
| Refrigerant Oil Charge        | mL   | 1240                  |
| Outdoor Noise Level           | dBA  | 60.0                  |
| Outdoor Airflow               | CFM  | 2950                  |
| Outdoor Fan Motor Type        | --   | BLDC Motor            |
| Outdoor Fan Motor Power Input | W    | 200                   |
| Outdoor Fan Motor RLA         | A    | 0.92                  |
| Dimension (W×D×H)             | inch | 29.13 x 29.13 x 32.87 |
|                               | mm   | 740 x 740 x 835       |
| Package (W×D×H)               | inch | 30.32 x 30.32 x 34.06 |
|                               | mm   | 770 x 770 x 865       |
| Net/Gross Weight              | lbs  | 176.0 / 187.0         |
|                               | kg   | 80.0 / 85.0           |

### EFFICIENCY RATINGS

| Cooling |      | Heating |     |
|---------|------|---------|-----|
| SEER2   | 13.4 | HSPF2-4 | 7.5 |
| EER2    | 11.7 | HSPF2-5 | 7.5 |

### COOLING PERFORMANCE

| Cooling (Btu/hr) |       |
|------------------|-------|
| Rated Capacity   | 48000 |

### HEATING PERFORMANCE

| Heating (Btu/hr)           |       |
|----------------------------|-------|
| Rated Capacity             | 46000 |
| 5°F (-15°C) Rated Capacity | 25000 |

### OPERATIONAL SPECIFICATIONS

| Indoor Unit Operating Temperature Range  |    |                 |
|------------------------------------------|----|-----------------|
| Heating & Cooling                        | °F | 62.6°F ~ 89.6°F |
|                                          | °C | 17°C ~ 32°C     |
| Outdoor Unit Operating Temperature Range |    |                 |
| Cooling                                  | °F | 23°F ~ 125.6°F  |
|                                          | °C | -5°C ~ 52°C     |
| Heating                                  | °F | -4°F ~ 86°F     |
|                                          | °C | -20°C ~ 30°C    |

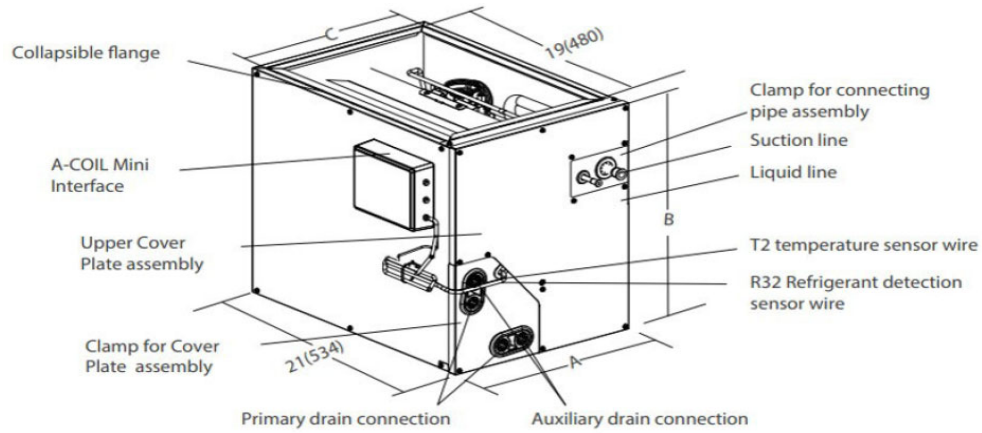
### ELECTRICAL SPECIFICATIONS

|                      |           |                      |
|----------------------|-----------|----------------------|
| Indoor Power Supply  | V, Ph, Hz | 24V, 1 Ph, 60Hz      |
| Outdoor Power Supply | V, Ph, Hz | 208/230V, 1 Ph, 60Hz |
| Outdoor MCA          | A         | 30                   |
| Outdoor MOP          | A         | 40                   |

### REFRIGERANT & PIPING SPECIFICATIONS

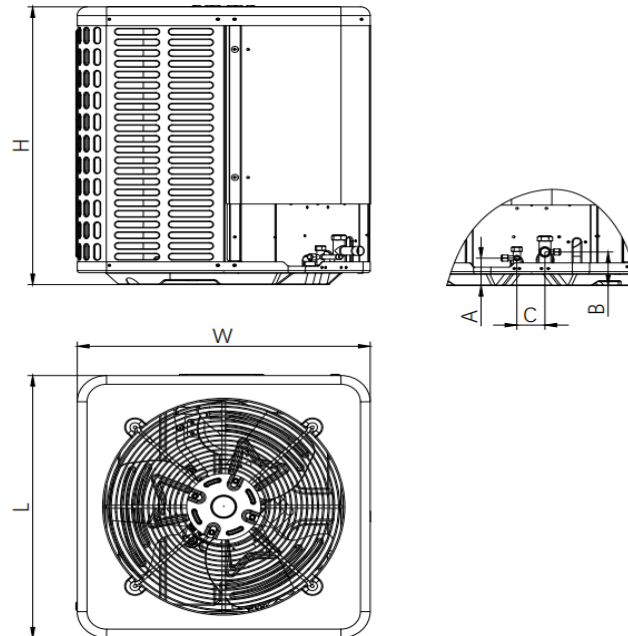
|                                           |              |                |
|-------------------------------------------|--------------|----------------|
| Throttle type (Indoor)                    | --           | TXV            |
| Refrigerant Type                          | --           | R32            |
| Refrigerant Charge                        | oz           | 91.70          |
|                                           | kg           | 2.60           |
| Design Pressure                           | PSIG         | 609 / 174      |
|                                           | mpa          | 4.20 / 1.20    |
| Liquid Side                               | in           | 3/8"           |
|                                           | mm           | 9.53           |
| Gas Side                                  | in           | 3/4"           |
|                                           | mm           | 19.05          |
| Max. Piping Length (Condenser Pre-Charge) | ft           | 24.6           |
|                                           | m            | 7.5            |
| Max. Piping Length                        | ft           | 213.0          |
|                                           | m            | 65.0           |
| Max. Height Difference                    | ft           | 98.0           |
|                                           | m            | 30.0           |
| Drainage Water Pipe Diameter (O.D.)       | in           | 3/4"           |
|                                           | mm           | 19             |
| Connection Method                         | Indoor Unit  | Braze          |
|                                           | Outdoor Unit | Flare to Braze |

## EVAPORATOR A-COIL DIMENSIONS



| Model      | AC-I-3036ACL-17 |     | AC-I-3036ACL-21 |     |
|------------|-----------------|-----|-----------------|-----|
| Dimensions | inch            | mm  | inch            | mm  |
| A          | 17-1/2          | 445 | 21              | 534 |
| B          | 23-1/2          | 599 | 23-1/2          | 599 |
| C          | 16-2/5          | 416 | 19-3/4          | 505 |
| Model      | AC-I-4860ACL-21 |     | AC-I-4860ACL-24 |     |
| Dimensions | inch            | mm  | inch            | mm  |
| A          | 21              | 534 | 24-1/2          | 622 |
| B          | 27-4/5          | 706 | 27-4/5          | 706 |
| C          | 19-3/4          | 505 | 23-2/5          | 594 |

## OUTDOOR UNIT DIMENSIONS



| Dimensions \ Model |                             | 18K/24K |     | 30K/36K |     | 42K/48K/60K |     |
|--------------------|-----------------------------|---------|-----|---------|-----|-------------|-----|
|                    |                             | inch    | mm  | inch    | mm  | inch        | mm  |
| W                  | Model width                 | 23-5/8  | 600 | 29-9/64 | 740 | 29-9/64     | 740 |
| L                  | Model length                | 23-5/8  | 600 | 29-9/64 | 740 | 29-9/64     | 740 |
| H                  | Model height                | 25      | 635 | 25      | 635 | 32-7/8      | 835 |
| A                  | Liquid side valve height    | 2-31/64 | 63  | 2-31/64 | 63  | 2-31/64     | 63  |
| B                  | Distance between two valves | 3-1/32  | 77  | 3-1/32  | 77  | 3-1/32      | 77  |
| C                  | Gas side valve height       | 2-9/32  | 58  | 2-9/32  | 58  | 2-9/32      | 58  |

OUTDOOR UNIT INSTALLATION INSTRUCTIONS & CLEARANCE REQUIREMENTS

