

Project Name: **454B Stock**

Unit Model #: **KC180C00A2AAA1**

Quantity: **1**

System: **KC180C00A2AAA1, GL180C00D2BAA1**

### Cooling Performance

|                            |            |
|----------------------------|------------|
| Total gross capacity       | 188.3 MBH  |
| Sensible gross capacity    | 134.7 MBH  |
| Efficiency (at ARI)        | 11.00 EER  |
| Integrated eff. (at ARI)   | 14.40 IEER |
| Ambient DB temp.           | 95.0 °F    |
| Entering DB temp.          | 80.0 °F    |
| Entering WB temp.          | 67.0 °F    |
| Evap Coil Leaving DB temp. | 59.2 °F    |
| Evap Coil Leaving WB temp. | 57.0 °F    |
| Unit Leaving DB temp.      | 60.0 °F    |
| Unit Leaving WB temp.      | 57.4 °F    |
| Leaving air temp dew point | 55.60 °F   |
| Power input (w/o blower)   | 14.30 kW   |
| Sound power                | 89 dB(a)   |

### Refrigerant

|                  |        |
|------------------|--------|
| Refrigerant type | R-454B |
|------------------|--------|

### Electrical Data

|                                  |          |
|----------------------------------|----------|
| Power supply                     | 208-3-60 |
| Unit min circuit ampacity        | 68.9 A   |
| Unit max over-current protection | 90 A     |

### Dimensions & Weight

|                                       |           |           |
|---------------------------------------|-----------|-----------|
| Hgt 45 in                             | Len 59 in | Wth 64 in |
| Weight with factory installed options | 818 lb    |           |

### Clearances

|       |        |        |       |      |       |
|-------|--------|--------|-------|------|-------|
| Right | 30 in  | Front  | 36 in | Rear | 24 in |
| Top   | 120 in | Bottom | 0 in  | Left | 30 in |

Note: Please refer to the tech guide for listed maximum static pressures



### 15 Ton

- Split System Units are Manufactured at an ISO 9001 Registered Facility.

### Unit Features

- Two Stage Cooling
- Unit is designed for R454B refrigerant and is shipped with a small Nitrogen holding charge.
- Unit Cabinet Constructed of Powder Painted Steel, Certified At 750 Hours Salt Spray Test (ASTM B-117 Standards)
- Full Perimeter Base Rails with Built in Rigging Capabilities
- Scroll Compressors with Crankcase Heater
- Single Refrigeration Circuit (2 Pipe)
- Liquid Line Driers (Supplied for Field Installation)
- Aluminum Tube/ Aluminum Fin Microchannel Coils
- Back Seating Suction and Liquid Line Service Valves
- Inherently Protected Fan Motors
- Low Ambient to 40°F
- Side or Bottom Single Point Power Connections
- Short Circuit Current: 5kA RMS Symmetrical

### Standard Unit Controller: Smart Equipment Control Board

- Anti-Short Cycle Protection, Lead-Lag, Low Voltage Protection, On-Board Diagnostic and Fault Code Display
- Safety Monitoring - Monitors the High and Low-Pressure Switches. The Unit Control Board will Alarm on Compressor Lockouts and Repeated Limit Switch Trips.

### BAS Controller

- Smart Equipment Controller

### Warranty

- One (1) Year Limited Warranty on All Other Parts
- Five (5) Year Limited Warranty on Compressors



# OD Split System

Split-System Outdoor

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## Additional Electrical Data

|                                  |          |
|----------------------------------|----------|
| Power supply                     | 208-3-60 |
| Unit min circuit ampacity        | 68.9 A   |
| Unit max over-current protection | 90 A     |
| Min Voltage                      | 187 V    |
| Max Voltage                      | 252 V    |
| Comp #1 RLA                      | 27.7     |
| Comp #1 LRA                      | 178.5    |
| Comp #2 RLA                      | 27.7     |
| Comp #2 LRA                      | 178.5    |
| Outdoor Mtr Qty                  | 4        |
| Outdoor Fan Voltage              | 208-1-60 |
| OD Fan Mtr FLA (ea.)             | 1.65     |



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## Factory Installed Options

### KC180C00A2AAA1

| Equipment Options                    |     | Option(s) Selected                  |
|--------------------------------------|-----|-------------------------------------|
| Product Category:                    | K   | Split System R-454B Air Conditioner |
| Product Identifier:                  | C   | 2-Pipe                              |
| Nominal Cooling Capacity:            | 180 | 15 Ton                              |
| Heat Type and Nominal Heat Capacity: | C00 |                                     |
| Airflow:                             | A   | Standard Motor                      |
| Voltage:                             | 2   | 208/230-3-60                        |
| Installation Options:                | A   | Smart Equipment Controller          |
| Additional Options:                  | AA  |                                     |
| Product Generation:                  | 1   |                                     |

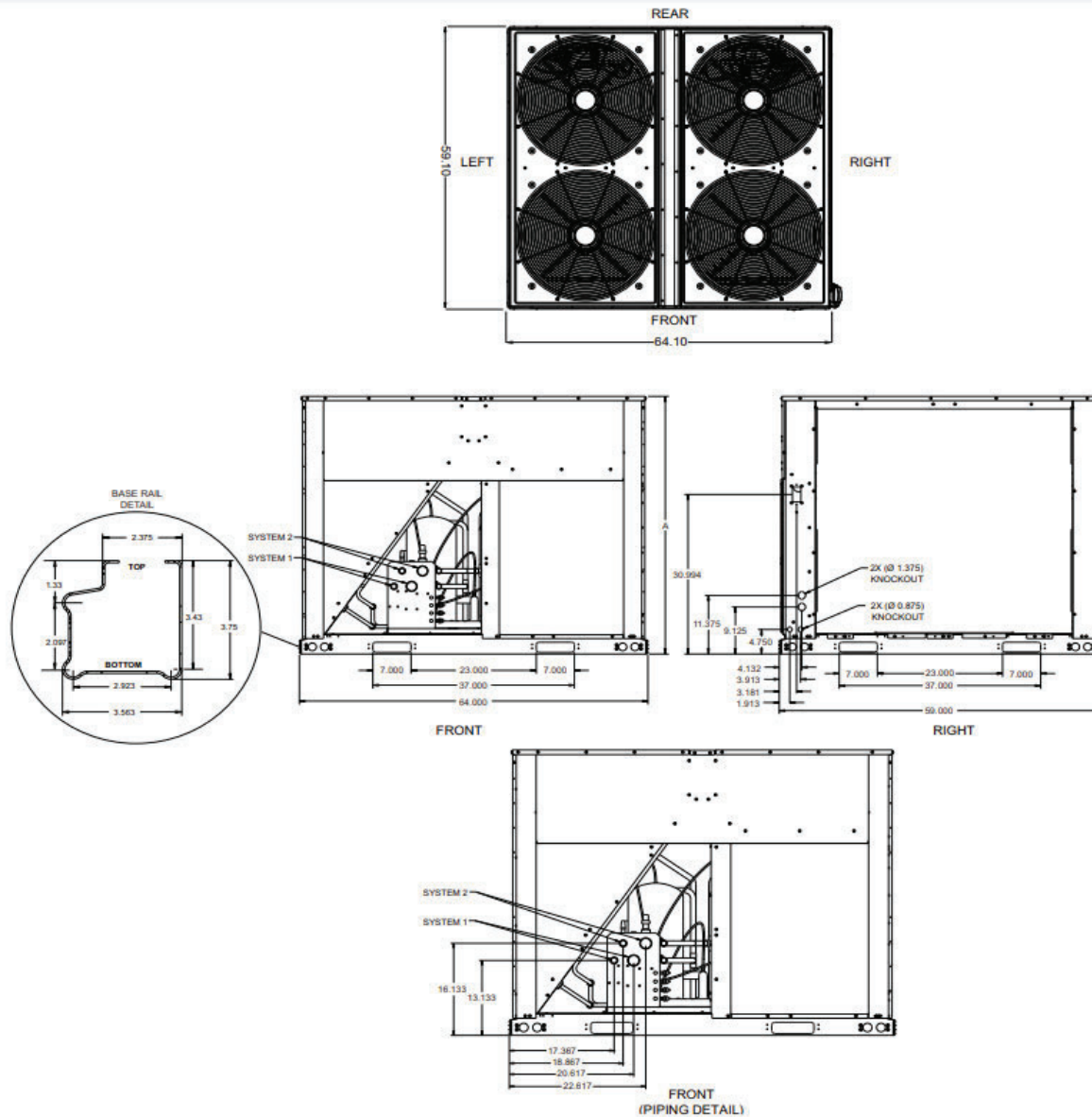


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## Dimensions



## Unit dimensions WC180, KC180, KC240

| Model                      | WC180 | KC180 | KC240 |
|----------------------------|-------|-------|-------|
| No. refrigeration circuits | 1     | 1     | 1     |
| Suction line OD (in.)      | 1 5/8 | 1 5/8 | 1 5/8 |
| Liquid line OD (in.)       | 7/8   | 7/8   | 7/8   |
| Power wiring knockout      | 1 3/8 | 1 3/8 | 1 3/8 |
| Control wiring knockout    | 7/8   | 7/8   | 7/8   |

## Unit height dimensions

| Model  | A    |
|--------|------|
| 15 Ton | 44.5 |
| 20 Ton | 50.0 |