

Project Name: **454B Stock**

Unit Model #: **KE090C00A2AAA1**

Quantity: **1**

System: **KE090C00A2AAA1, GL090C00B2BAA1**

Cooling Performance

Total gross capacity	94.8 MBH
Sensible gross capacity	67.4 MBH
Efficiency (at ARI)	11.20 EER
Integrated eff. (at ARI)	16.00 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.	60.4 °F
Unit Leaving WB temp.	57.4 °F
Leaving air temp dew point	55.60 °F
Power input (w/o blower)	6.80 kW
Sound power	89 dB(a)

Refrigerant

Refrigerant type	R-454B
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Electrical Data

Power supply	208-3-60
Unit min circuit ampacity	36.2 A
Unit max over-current protection	50 A

Dimensions & Weight

Hgt 45 in	Len 59 in	Wth 32 in
Weight with factory installed options	387 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



7.5 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	36.2 A
Unit max over-current protection	50 A
Min Voltage	187 V
Max Voltage	252 V
Comp #1 RLA	26.3
Comp #1 LRA	178.5
Outdoor Mtr Qty	2
Outdoor Fan Voltage	208-1-60
OD Fan Mtr FLA (ea.)	1.65



OD Split System

Split-System Outdoor

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Factory Installed Options

KE090C00A2AAA1

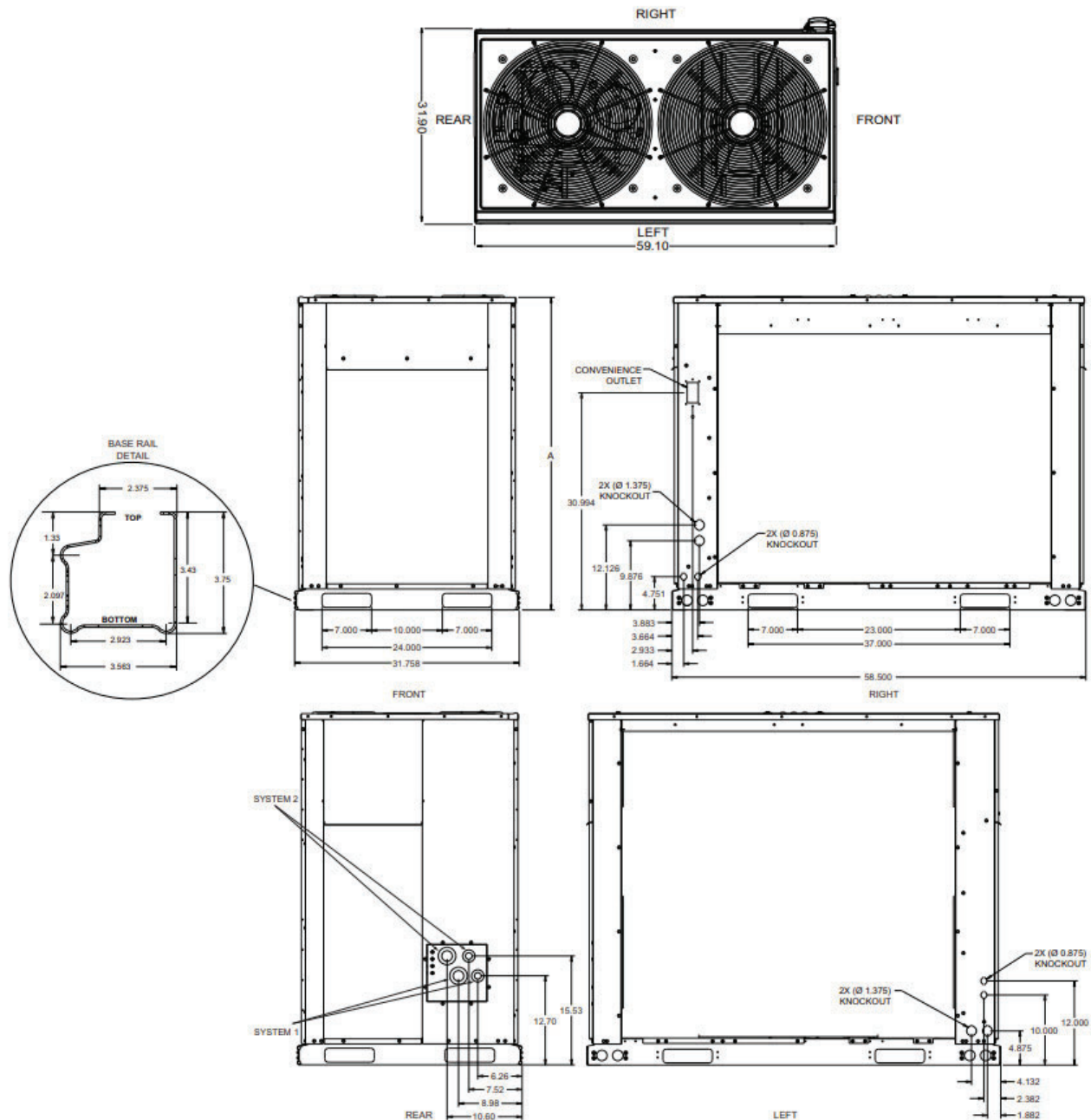
Equipment Options		Option(s) Selected
Product Category:	K	Split System R-454B Air Conditioner
Product Identifier:	E	High Eff 2-Pipe
Nominal Cooling Capacity:	090	7.5 Ton
Heat Type and Nominal Heat Capacity:	C00	
Airflow:	A	Standard Motor
Voltage:	2	208/230-3-60
Installation Options:	A	Smart Equipment Controller
Additional Options:	AA	
Product Generation:	1	

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Dimensions



Unit dimensions WE090, WC120, KE090, KC120, KC150

Unit height dimensions

MODEL	A
WE090	44.5
WC120	50.0
KE090	44.5
KC120	50.0
KC150	50.0

Piping and electrical connection sizes (in.)

Model	WE090	WC120	KE090	KC120	KC150
No. refrigeration circuits	1	1	1	1	1
Suction line OD (in.)	1 1/8	1 3/8	1 1/8	1 3/8	1 3/8
Liquid line OD (in.)	5/8	7/8	5/8	7/8	7/8
Power wiring knockout	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
Control wiring knockout	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8