

Project Name: **454B Stock**

Unit Model #: **GL090C00B4BAA1**

Quantity: **1**

System: **KE090C00A4AAA1, GL090C00B4BAA1**

Supply Air Blower Performance

Supply air	3000 cfm
Ext. static pressure	0.6 IWG
Addl. Unit Losses (Options/Accessories)	0.02 IWG
Blower speed	844 rpm
Max BHP of Motor (including service factor)	1.73 HP
Duct location	Upflow
Motor rating	1.50 HP
Actual required BHP	1.24 HP
Power input	1.13 kW
Elevation	0 ft
Drive type	BELT

Indoor Electrical Data

Power supply	460-3-60
Unit min circuit ampacity	5.80 A
Unit max over-current protection	15 A

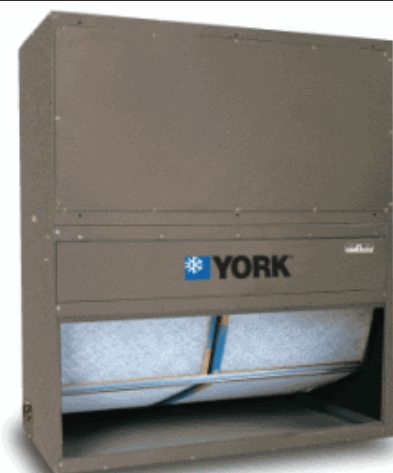
Indoor Dimensions & Weight

Hgt	65 in	Len	30 in	Wth	56 in
Weight with factory installed options	542 lb				

Indoor Clearances

Side w/Piping	24 in
Side Opposite Piping	24 in
Side w/ Return Air	24 in
Side w/ Supply Air	24 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

- Unit is designed for R454B refrigerant and is shipped with a small Nitrogen holding charge.
- Refrigerant Detection System is Factory Installed
- Unit Cabinet Constructed of Powder Painted Steel, Certified At 750 Hours Salt Spray Test (ASTM B-117 Standards).
- Easily converted in the field from vertical to horizontal configuration.
- Slide-out Composite Drain Pan
- Single Circuit Refrigeration
- Adjustable balanced port TXV's
- 1.5 HP Motor and Adjustable Sheave Belt Drive
- Unit ships with 2" Throwaway filters with a standard filter rack that will accept up to 4" filters.
- Short Circuit Current: 5kA RMS Symmetrical
- Intellispeed VFD w/o Bypass

Warranty

- One (1) Year Limited Warranty on all Other Parts
- Five (5) Year limited Warranty on Electric Heating Elements



ID Split System

Split-System Indoor

Page: 143

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Additional Electrical Data

Power supply	460-3-60
Unit min circuit ampacity	5.8 A
Unit max over-current protection	15 A
Min Voltage	432 V
Max Voltage	504 V
Indoor Mtr Voltage	460-3-60
Indoor Mtr FLA	4.6



ID Split System

Split-System Indoor

Page: 144

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Factory Installed Options

GL090C00B4BAA1

Equipment Options		Option(s) Selected
Product Category:	G	Split System R-454B Air Handler
Product Identifier:	L	2-pipe w/Intellispeed
Nominal Cooling Capacity:	090	7.5 Ton
Heat Type and Nominal Heat Capacity:	C00	
Airflow:	B	1.5 HP Motor
Voltage:	4	460-3-60
Installation Options:	B	Intellispeed VFD w/o Bypass
Additional Options:	AA	Composite Drain Pan
Product Generation:	1	

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Piping, Electrical & Duct Opening Connections

Piping, electrical and duct opening connection sizes

Model	GL090	GL120	GL180	GL240
System data				
No. Refrigeration Circuits	1	1	1	1
Suction Line OD (in.)	1 1/8	1 3/8	1 5/8	1 5/8
Liquid Line OD (in.)	5/8	7/8	7/8	7/8
Power Wiring Knockout	1 3/4	1 3/4	1 3/4	1 3/4
Control Wiring Knockout	1 1/8	1 1/8	1 1/8	1 1/8
Electric Heat Wiring Knockout	1 3/4	1 3/4	1 3/4	1 3/4
Drain Line Fitting PVC Stub	3/4	3/4	3/4	3/4
Blower outlet				
Number	1	1	1	2
Width	13.4	15.9	18.9	15.9
Length	15.6	18.6	21.6	18.6
Return air inlet				
Width	20.5	20.5	27.3	19.2
Length	52.0	52.0	71.9	93.4

Minimum clearances

Minimum Clearances	
Top with Supply Air Opening ¹	24 in.
Front with Return Air Opening	24 in.
Right Side with access for Piping, Power & Control Wiring Connections ²	36 in.
Left Side	24 in.
Rear ³	N/A
Bottom ⁴	N/A

¹ This dimension will vary if an electric heater, a supply air plenum or a base is used.

² This dimension is required for normal installation and service.

³ Although no clearance is required for service and operation, some clearance may be required for routing the power and control wiring.

⁴ Allow enough clearance to trap the condensate drain line.

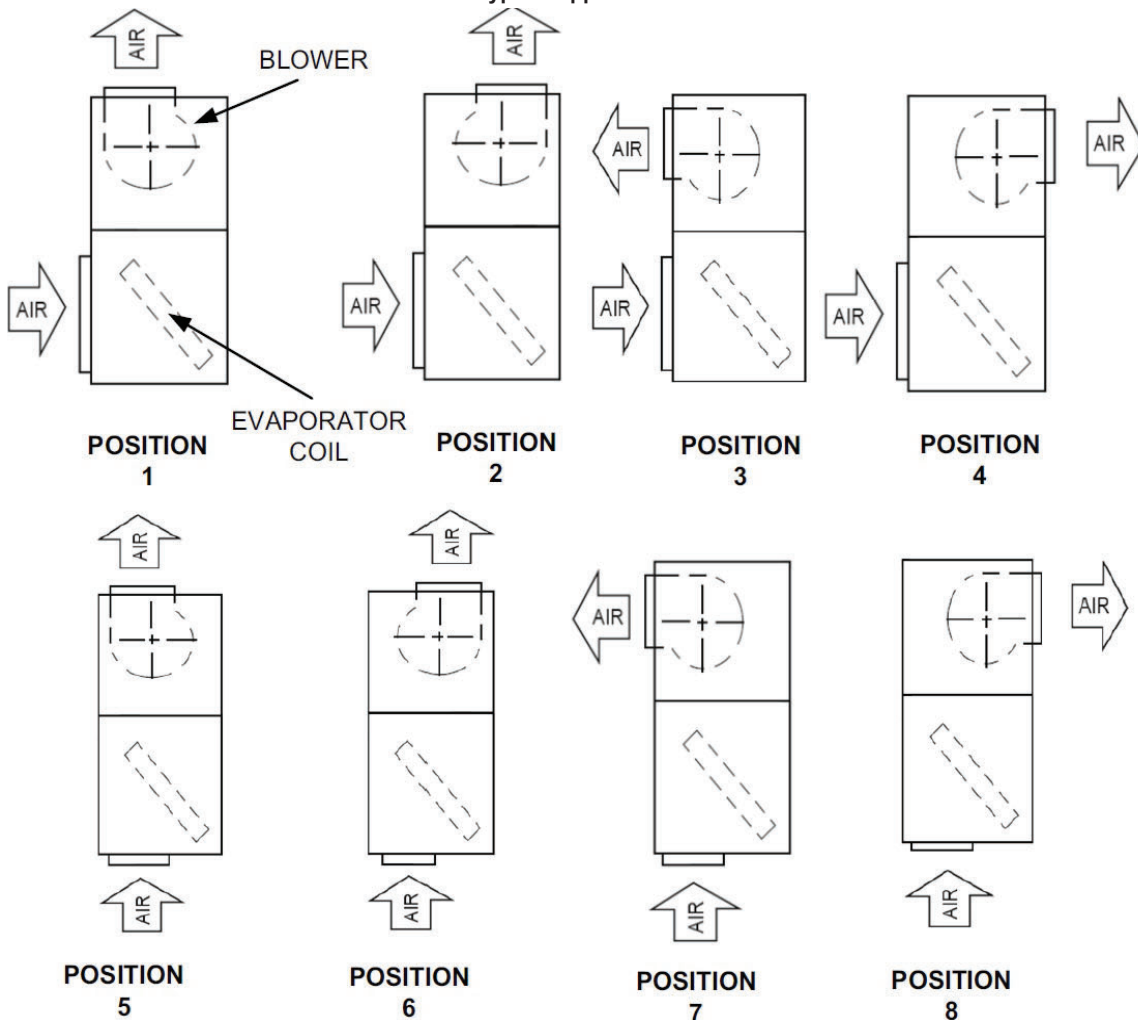
Note: If the coil has to be removed, the blower section can be unbolted and set aside and the coil can be lifted out the top of the evaporator section.

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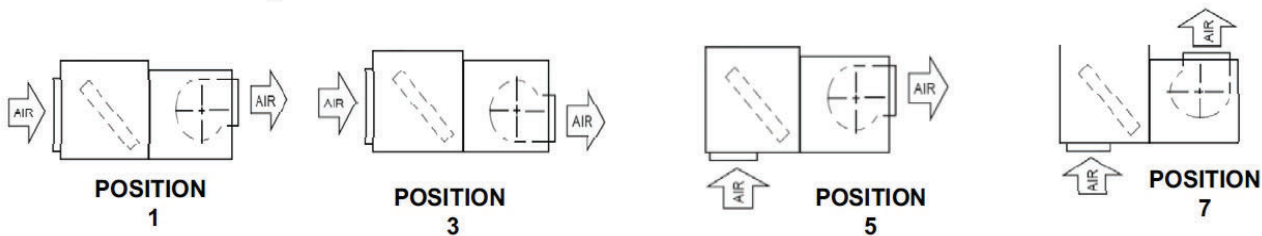
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Quantity: 1

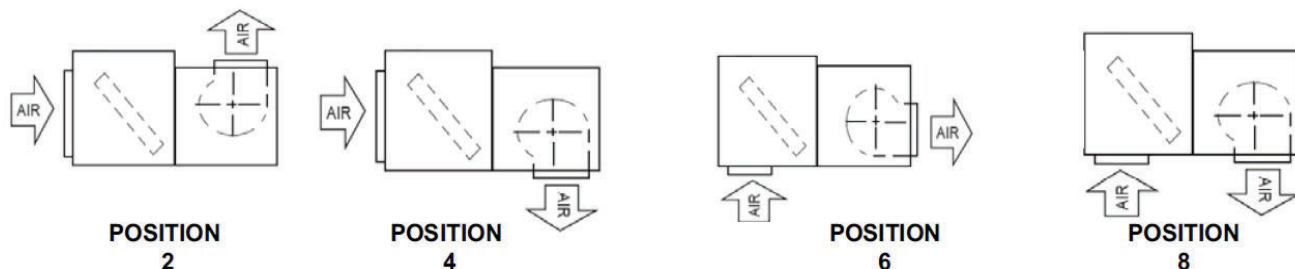
Typical Applications



Vertical Airflow Arrangements



Horizontal Airflow Arrangements

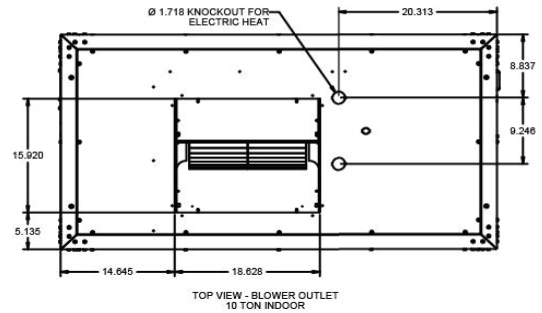
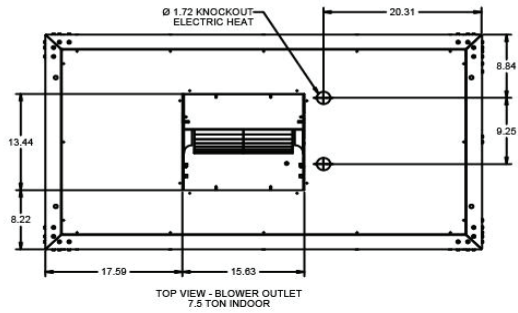


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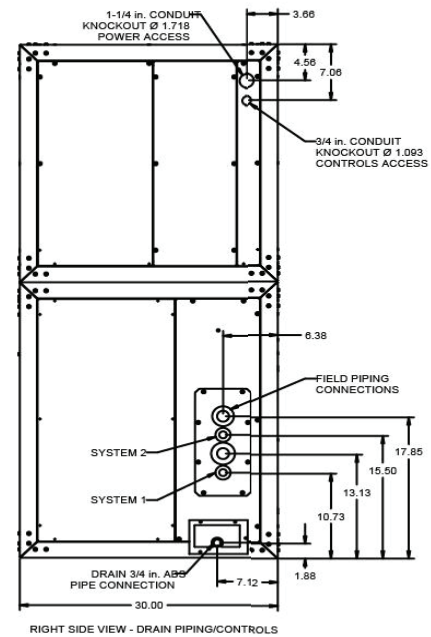
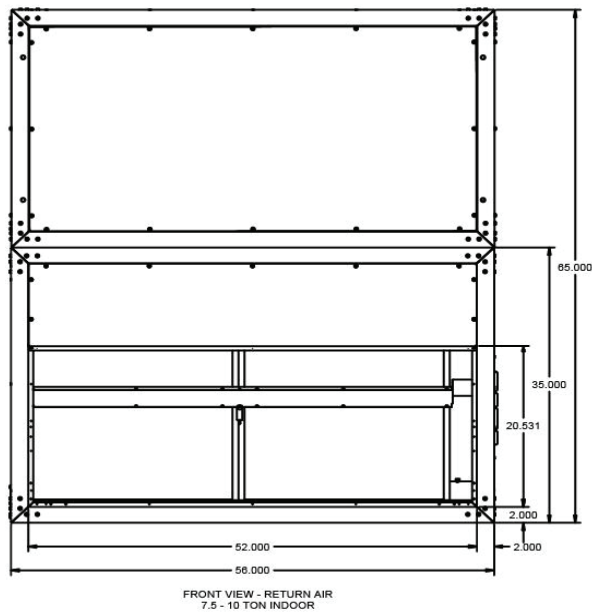
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Commercial Split Unit Dimensions



FRONT AND SIDE VIEW



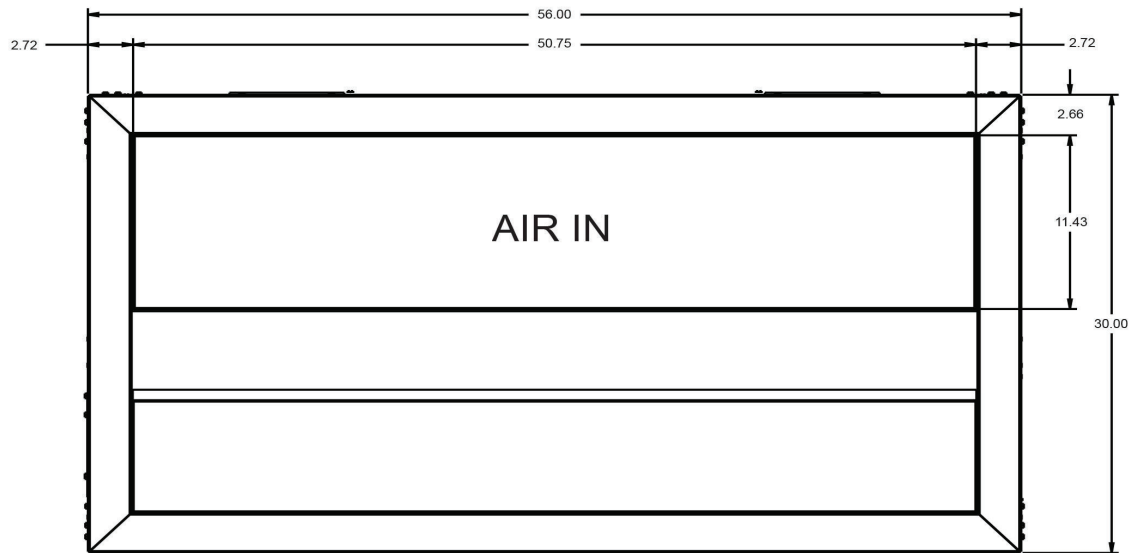
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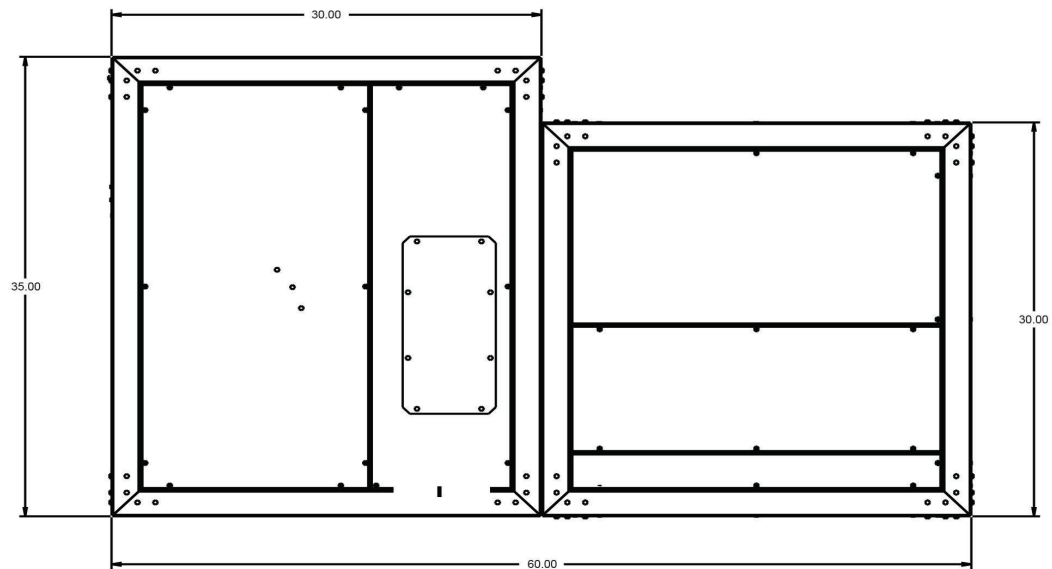
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Dimensions 7.5 to 10 Ton P2

BOTTOM VIEW



HORIZONTAL CONFIGURATION



Electrical data for indoor models

Electrical data - evaporator units

Motor HP	Power Supply	Supply Blower Motor	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		FLA	Model	KW	Stages	Amps		
GL090 C00B (INTELLISPEED)								
1.5	208-3-60	9.0	None	---	---	---	11.3	15
			10 KW	7.5	1	20.8	37.3	40
			16 KW	12	2	33.4	52.9	60
			26 KW	19.5	2	54.2	78.9	80
			36 KW	27	2	75.1	104.9	110
	230-3-60	9.0	None	---	---	---	11.3	15
			10 KW	10	1	24.1	41.4	45
			16 KW	16	2	38.5	59.4	60
			26 KW	26	2	62.5	89.4	90
			36 KW	36	2	86.6	119.6	125
	460-3-60	4.6	None	---	---	---	5.8	15
			10 KW	10	1	12.0	20.8	25
			16 KW	16	2	19.2	29.8	30
			26 KW	26	2	31.3	44.9	45
			36 KW	36	2	43.3	59.9	60