

Project Name: **454B Stock**

Unit Model #: **GL180C00D2BAA1**

Quantity: **1**

System: **KC180C00A2AAA1, GL180C00D2BAA1**

Supply Air Blower Performance

Supply air	6000 cfm
Ext. static pressure	0.6 IWG
Addl. Unit Losses (Options/Accessories)	0.05 IWG
Blower speed	663 rpm
Max BHP of Motor (including service factor)	3.45 HP
Duct location	Upflow
Motor rating	3.00 HP
Actual required BHP	1.75 HP
Power input	1.50 kW
Elevation	0 ft
Drive type	BELT

Indoor Electrical Data

Power supply	208-3-60
Unit min circuit ampacity	16.50 A
Unit max over-current protection	20 A

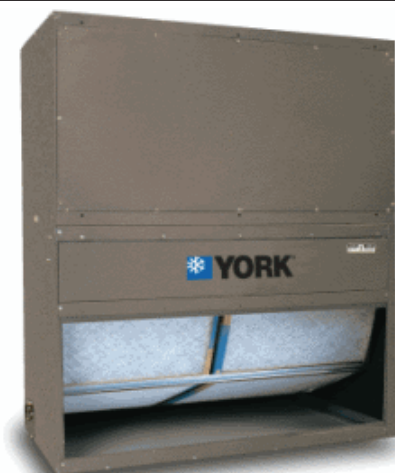
Indoor Dimensions & Weight

Hgt	75 in	Len	33 in	Wth	75 in
Weight with factory installed options	794 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



15 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
- 3.0 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



YORK®

ID Split System
Split-System Indoor

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Additional Electrical Data	
Power supply	208-3-60
Unit min circuit ampacity	16.5 A
Unit max over-current protection	20 A
Min Voltage	187 V
Max Voltage	252 V
Indoor Mtr Voltage	208-3-60
Indoor Mtr FLA	13.2



ID Split System

Split-System Indoor

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Factory Installed Options

GL180C00D2BAA1

Equipment Options		Option(s) Selected
Product Category:	G	Split System R-454B Air Handler
Product Identifier:	L	2-pipe w/Intellispeed
Nominal Cooling Capacity:	180	15 Ton
Heat Type and Nominal Heat Capacity:	C00	
Airflow:	D	3.0 HP Motor
Voltage:	2	208/230-3-60
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.

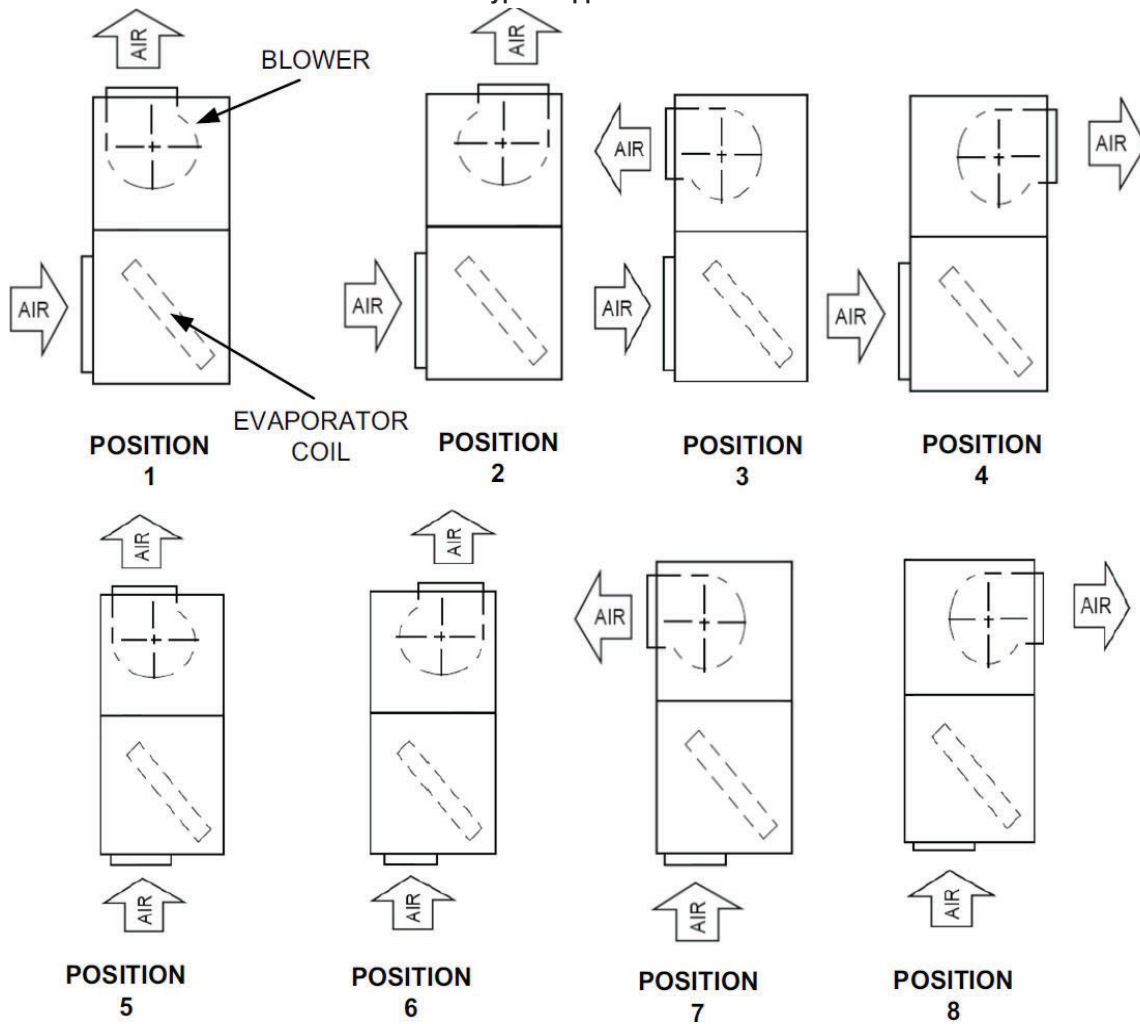
Note: If the coil has to be removed, the blower section can be unbolted and set aside and the coil can be lifted out the top of the evaporator section.

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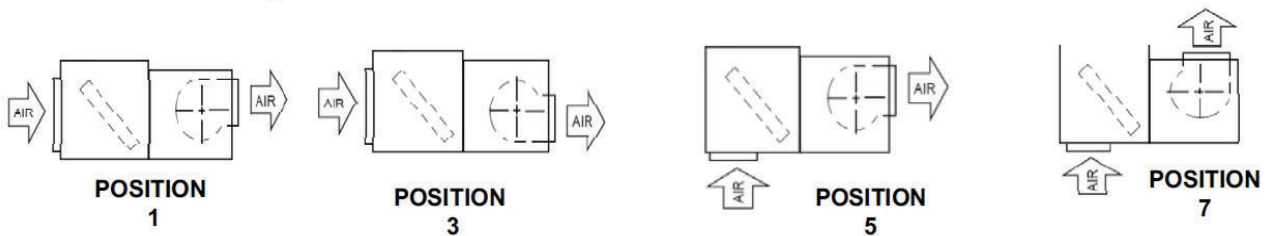
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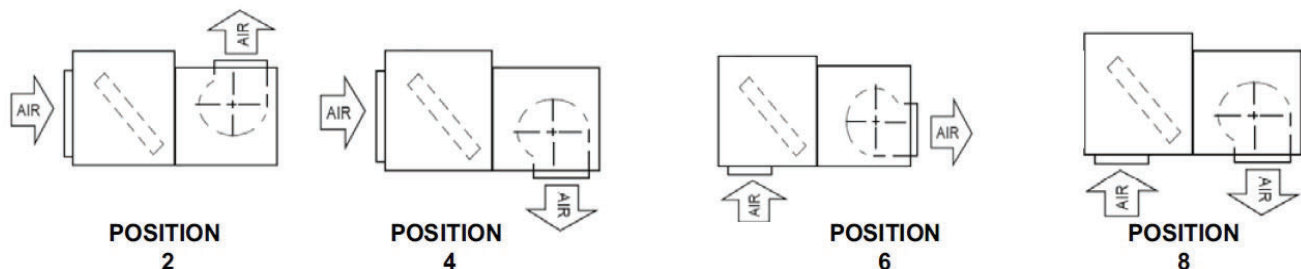
Typical Applications



Vertical Airflow Arrangements



Horizontal Airflow Arrangements

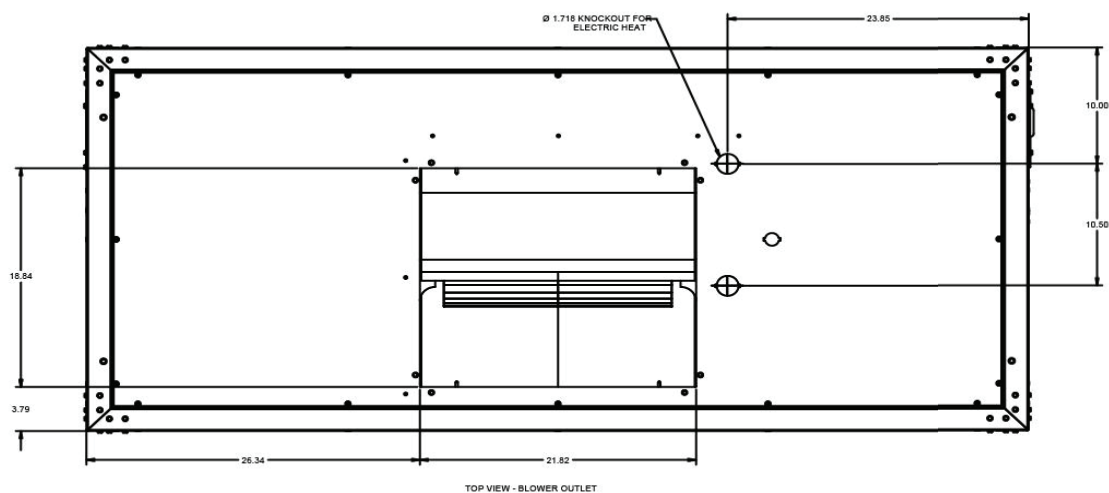


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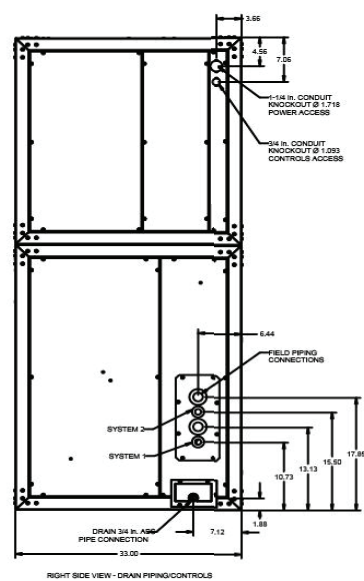
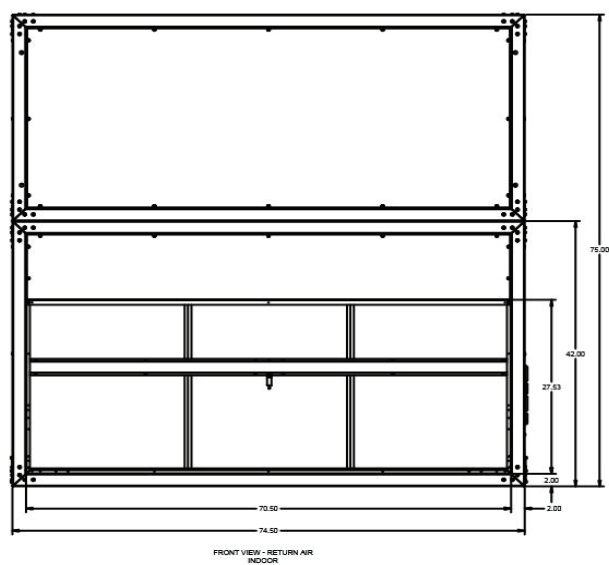
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Commercial Split Unit Dimensions

TOP VIEW



FRONT AND SIDE VIEW



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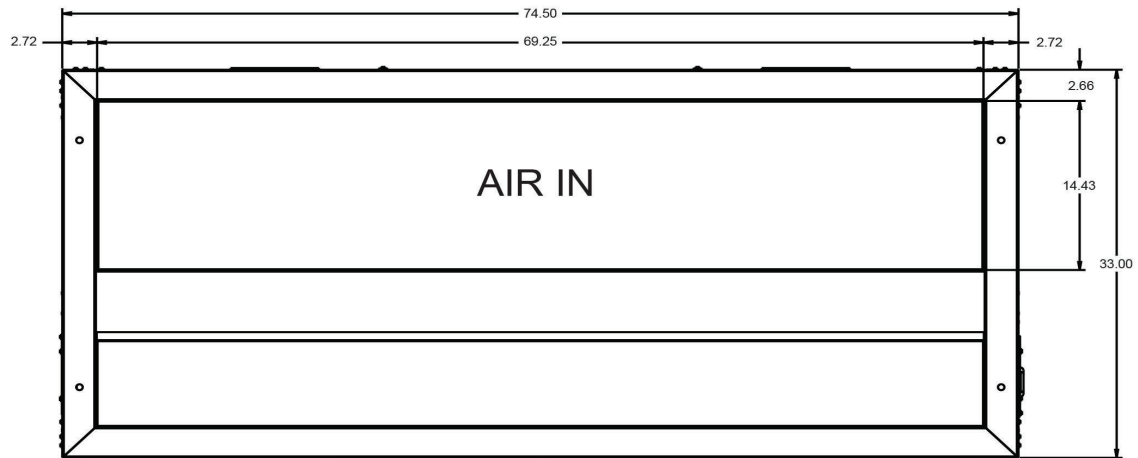
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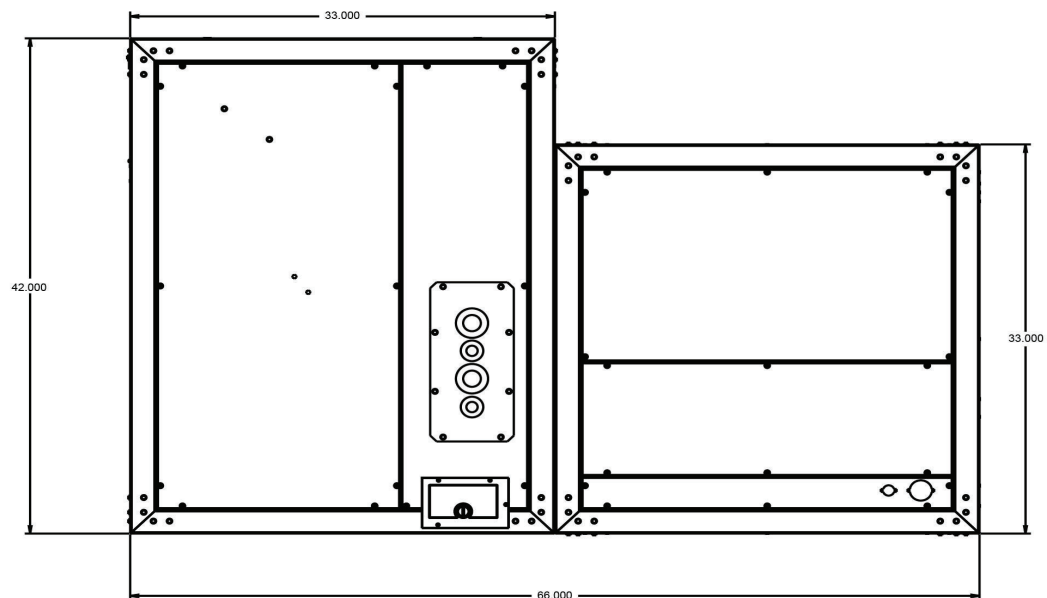
Dimensions 15 Ton P2

Unit Dimensions (NS)(NW)-15(NL)(NM)180/J15(NS)(NW)T15

BOTTOM VIEW



HORIZONTAL CONFIGURATION



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		
(GL/GM) 120 - 180 C00D (INTELLISPEED)								
3.0	208-3-60	13.2	None	---	---	---	16.5	20
			10 KW	7.5	1	20.8	42.5	45
			16 KW	12	2	33.4	58.1	60
			26 KW	19.5	2	54.2	84.1	90
			36 KW	27	2	75.1	110.1	125
			50 KW ⁴	37.6	2	104.2	147.0	150
	230-3-60	13.2	None	---	---	---	16.5	20
			10 KW	10	1	24.1	46.6	50
			16 KW	16	2	38.5	64.6	70
			26 KW	26	2	62.5	94.6	100
			36 KW	36	2	86.6	124.8	125
			50 KW ⁴	50	2	120.3	136.8	150
	460-3-60	6.1	None	---	---	---	7.6	15
			10 KW	10	1	12	22.6	25
			16 KW	16	2	19.2	31.6	35
			26 KW	26	2	31.3	46.7	50
			36 KW	36	2	43.3	61.7	70
			50 KW ⁴	50	2	60.1	67.7	70