



Princeton Piggyback

8020 Dove Parkway, Suite C
Canal Winchester, Ohio 43110

Ph: 1.800.331.5851

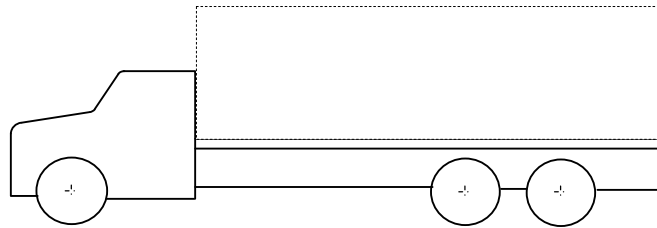
www.piggy-back.com



TRUCK MOUNTING APPLICATION ANALYSIS

Email forms to: us.princeton.mntapps@hiab.com

The requested information in this document is necessary to determine if the selected combination of truck (Unladen) and Princeton forklift (In stow), allow for the proper front axle loading requirements for safe transport.



If the front steering axle loading requirements are not achieved, steel counterweight will be required.

Step 1. Input Customer and General Analysis Information:

Customer:		Analysis Date:	
Street Address:		Phone:	
City, State & Zip:		Fax:	
Contact:		Email:	
Truck Make:		Comment:	

Input an 'X' or select the appropriate pick boxes below.

Step 2. Select Axle Type:

Single	Tandem	Tandem +Pusher	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If other specify: _____

Step 3. Select Truck Bed/Body Type:

Flat	Box	Curtainside	Flat Dump	Rolloff Dump	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If other specify: _____

Box & Curtainside Trucks May Require 5" or 6" Bed Extension to clear Mast.

Step 4. Select Piggyback Model: (Princeton models prior to 2013, use 'Other'):

D45.2	D45.2X	PB45.3P	PB50.3	PB55.3	PB55.3X	PB70.3	PB80.3		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PB50.4	PB55.4	E2-3RVX/E50S					Other	Serial # (Required)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	

Step 5. Select Mast Height Option:

Class II Mast (D45.2/D45.2X, PB45.3P, PB50.3,...)

86"	120"	144"	154"	165"
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Class III Mast (PB55.3, PB55.3X, PB70.3, PB80.3)

86"	120"	144"
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Z Series

86"	120"	138"
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

E Series

86"	120"	138"	154"
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Step 6. Select Additional Options:

Forklift without Load Arms <input type="checkbox"/>	Forklift with Load Arms <input type="checkbox"/>	Fork Positioner <input type="checkbox"/>
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(Load arms are used to stabilize wide loads)

Step 7. Specify Additional Weight and Weight Center-Of-Gravity:

Additional weight: lb

C. G. distance behind trailer end: in

(Positive center-of-gravity distance indicates forward of truck end and negative distance indicates afterwards of truck end)



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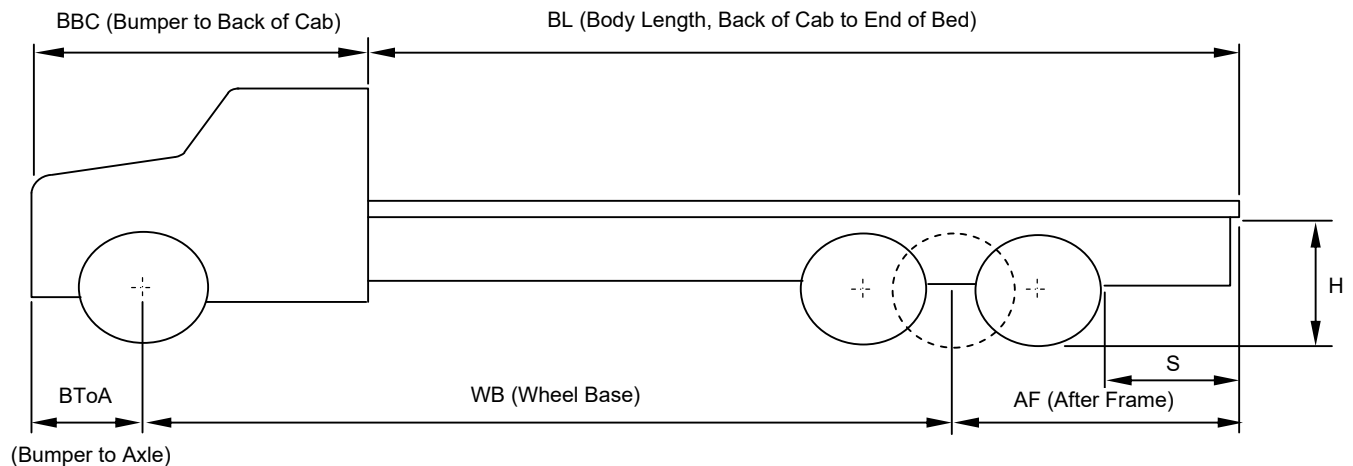
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TRUCK MOUNTING APPLICATION ANALYSIS (CONTINUED)

Customer and General Analysis Information

Customer:		Date:	
Street Address:		Phone:	
City, State & Zip:		Fax:	
Contact:		Email:	
Truck Make:		Truck Model:	



Step 8. Input Truck Geometry Information:

(All dimensions in inches)

(All dimensions & weights are req'd.)

Truck Wheel Base (WB):
Centerline Rear Axle or Center of Axles to End of Bed (AF):
Back of Rear Tire to End of Bed (S):
Bed/Body Length (BL):
Bottom Surface of Bed/Body Cross Members to Ground (H):
Truck Bumper to Centerline of Forward Axle (BTOA):
End of Bed to Centerline of Mtg. Pin (If mount kit installed):
Truck Bumper to Back of Cab (BBC):

	in	
	in	(Must be 95" or less)
	in	(33" Min. to 48" max.)
	in	
	in	(48" Minimum required)
	in	
	in	(5-1/4" Standard)
	in	

Step 9. Input Truck Weight Information:

(All weights in pounds)

Front Axle Capacity (FAC):
Rear Axle Capacity (RAC)(Single axle or multiple):
Gross Vehicle Weight Rating (GVWR):
Scaled Weight on Front Axle (FAW):
Scaled Weight on Rear Axle(s) (RAW):
Total Vehicle Weight (FAW + RAW):

	lb	
	lb	
	lb	
	lb	(Unladen, see note below)
	lb	(Unladen, see note below)
	lb	(Unladen, see note below)

**Note: All geometry & weight on front and rear axle(s) values are required for min. counterweight calculation.
Certified scaled axle weights are required for accuracy.**