



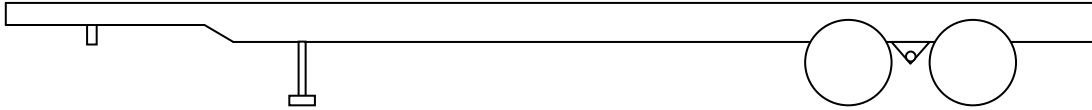
Princeton Delivery Systems

8020C Dove Parkway
Canal Winchester, Ohio 43110
Phone: 1-800-331-5851 Web: www.piggy-back.com



TRAILER MOUNTING APPLICATION ANALYSIS

Fax Forms to: 614-834-5001



Step 1. Input Customer and General Analysis Information.

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

Step 2. Select axle type:

Tandem Single Other

☐ ☐ ☐

If Other Specify: _____

Step 3. Select bed type:

Flat Box Curtainside Other

☐ ☐ ☐ ☐

If Other Specify: _____
Box & curtainside beds may require 5" bed extension for mast clearance

Step 4. Select bed construction

All Steel Composite Steel & Aluminum All Aluminum Other

☐ ☐ ☐ ☐

If Other Specify: _____

If bed construction is composite or all aluminum check with Princeton for special instructions.

Step 5. Select Piggyback Model:

D45	PB45	PB50	PB55	PB70	PB80	PBX	Z UNITS	E2-3RVX
<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"/>
PB45MM	PB45STM	PB55.3	PB55.3X	PB55.4	PB70.3	PB80.3	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 6. Select Mast Height Option:

D45, PB40, PB45, PB50, PB55, PBX, PBL (Class II Mast)

PB65, PB70, PB80 (Class III Mast)

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

Z Series

E Series

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

Step 7. Select Additional Options:

Forklift without load arms ☐ Forklift with load arms ☐ Fork positioners ☐

Load arms are used to stabilize wide loads.

Step 8. Specify Additional Weight and Weight Center-Of-Gravity:

Additional weight: lb Weight C. G. distance from trailer end: in

(Positive center-of-gravity value indicates aft of trailer end and negative value indicates forward of trailer end)



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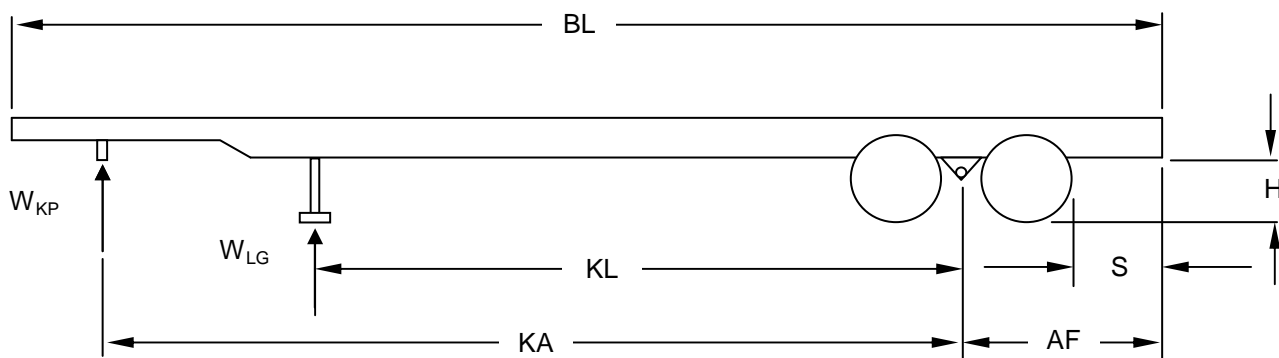
www.piggy-back.com



TRAILER MOUNTING APPLICATION ANALYSIS (CONTINUED)

Customer and General Analysis Information

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



Step 8. Input Trailer Geometry Information:

(Dimensions in inches)

Horizontal Distance Rear Tire to Trailer End (S):

Distance Bottom of Cross Members to Ground (H):

Trailer Length (BL):

Centerline rear axle or center of axles to end of bed (AF):

Distance kingpin to rear axle or center rear axles (KA):

Distance landing gear to rear axle(s) center (KL):

	in	(36" Min. to 48 Max")
	in	48" Minimum Required
	in	
	in	
	in	
	in	

Note: If H is less than 48 inches must use Princeton Top Mount or High Mount. If S is less than 36" contact Princeton for options.

Step 9. Input Trailer Weight Information:

(Specify weight on kingpin or landing gear. Note only one weight is required, not both. Weights are without forklift mounted.)

Trailer kingpin weight (weight before modifications)(W_{KP}):

Trailer landing gear weight (weight before modifications)(W_{LG}):

Weight on rear axle or rear axles (weight before modifications)(W_{RA}):

Rear axle(s) rated weight capacity (RAC):

	lb
	lb
	lb
	lb

Note: The kingpin and tandem weights in Step 9 are necessary in order to calculate the minimum counterweight required based on retaining a safe percentage on the kingpin. Neglect in providing the required weights can result in a much larger counterweight estimate than would actually be required.

Comment or special instructions: _____

