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A5-SERIES

A5-SERIES ROLL OFF TRAILERS

MODELS: A5-200 & 250

RAIL TYPES: OR, IO, HH, EH, EX, OX

TANDEM AXLE: 68,000 - 72,500 lb. GVWR

18' to 30' recommended container lengths

A5-Series Roll Off Trailers are the work horses of the scrap and recycling industries. The trailer frames are high strength manufactured I-beam construction. Tough and durable, the Galbreath A5 roll off trailers will last for a long time and retain their value. They can be made in the industry standard (OR-outside rail), (IO-inside/outside rail), (HH-deadlift narrow rail), (EH-deadlift, extendable narrow rail), (EX-outside rail extendable tail) & or (OX-outside rail, long extendable tail).



Standard Features

FEATURES	A5-SERIES TRAILERS
Hoist Main Frame	8" x 4" A500 grade C tubing
Cross Members	8" x 4" A500 grade C tubing
Trailer Frame	36 lb. W.F. - 16" I-Beam A36 Steel & C-Channel Cross Members
Cross Members	A36 Steel 10.5" Formed C-Channel Cross Members
Hydraulic valve	2 OR 3 spool / 45 GPM w/ safety bypass
Lift cylinders	2-Stage (-200 models) & 3-stage DAT Telescopic (-250 models)
Winch cylinders	(2) DA Rod Type
Hinge shaft	2 1/2" Solid Steel C1018
Cable	7/8" EXIWRC (Domestic) Steel Cable
Cable Ends	Swivel Eye cable end (OR, IO, EX, OX) - Knuckle (HH, EH)
Cable sheaves	10" Grease Grooved w/ Bronze Bushings
Cable anchors	(4) 7/8" Cable Clamps
Front stops	1 1/2" Steel Plate
Front safety lock	Automatic Spring Loaded Pass Over Front Container Safety Lock
Rear hold downs	1" Steel Plate Stationary Rear Container Hold Downs
Outside rollers	4" O.D. w/ Bronze Bushings
Inside Rail	3/4" - 2" Steel Bar (IO models only); 3/8" T1 Wear Strips on all ext. tail models
Tail	Fixed tail (OR, IO, HH models); 60" ext. tail (EX, EH & OX models)
ICC bumper	Auto Fold Mechanical w/ Energy Absorbtion (N/A on EX & HH models)
Suspension	Hutch Single Point Spring Ride w/ 25k lb. axles and Drum Brakes
Wheels & Tires	10-Hole Hub Piloted Steel Rims w/ 11R/22.5 16 Ply Tires w/ Wheel Check Indicators
Brakes	Drum Brake Axles and Equipped w/ Spring Loaded Brake Controler
Landing Gear	Twin Leg Holland Manual Landing Gear 50k lb. lift capacity
Operating pressure	1,850 PSI Minimum
*Hydraulic pump	37.5 GPM @ 1,500 RPM (required) Minimum
*Oil reservoir	50 gallons (required) Minimum

*Item Not Included - specification requirement for proper operation



Automatic Spring Loaded Pass Over Front Container Safety Lock



Forward Mount Telescopic Lift Cylinders



4" O.D. side rollers w/ bronze bushings



HD rear hinge with full length ICC bumper complete w/ LED lighting



Auto folding mechanical ICC bumper with rear impact energy absorbtion



Manual controls mounted to front fender on driver's side



Dual Safety/Maintenance Props



Mid-Body LED Turn Signals & ABS Brake Indicator Light on Driver's Side



7-Wire Electric Trailer Plug Connection; 5-Wire Electric Pig Tail Connection; Turn Lock Quick Disconnect Air Lines; 1 1/4" Return Line w/ Quick Disconnect Threaded Male End; 1" Pressure Line w/ Quick Disconnect Threaded Female End



50k lb. Lift / 140k lb. vertical load twin leg manual landing gear



HH & EH model rear tail roller assembly



Dual winch cylinder reeving system with rod protectors



10-Hole Hub Piloted Steel Rims w/ 11R/22.5 Tires - 16 Ply & Wheel Check Indicators

A5-SERIES

Optional Features

- Pioneer® tarping systems
- Air Ride Suspension
- Upgrade to Disc Brakes on all axles
- Auxiliary hydraulic hook ups (single or dual acting to the rear)
- Outside Rail Skid Plates; Full Length or Rear Wing
- Outboard Supported Side Rollers
- Tarp Boxes/Toolboxes in various types and sizes (poly, steel, aluminum)
- Fenders in various types and configurations (poly, steel, aluminum)
- Lift Axles or Fixed Tri-Axle Suspension (250 models only)
- Side or Under Body Mount spare tire carriers
- Auxiliary Container Stops and Rear Hold Downs
- Various Cable Ends
- Scale Systems
- Additional LED Work Lighting for Front and Rear of Trailer
- Longer Trailer Models capable of up to 39' containers



Pioneer® tarping systems



Auxiliary Front Stops



Outside Rail Skid Plates; Full Length or Rear Wing



Spare Tire Carriers: Side mount or Under Body Mount



Lift Axles



Toolbox styles and sizes (steel, aluminum & poly)



Rear Ratchet Container Hold Downs



Air Ride Suspension



Fenders in various types and configurations (poly, steel, aluminum)



Additional LED Work Lighting (front and rear)

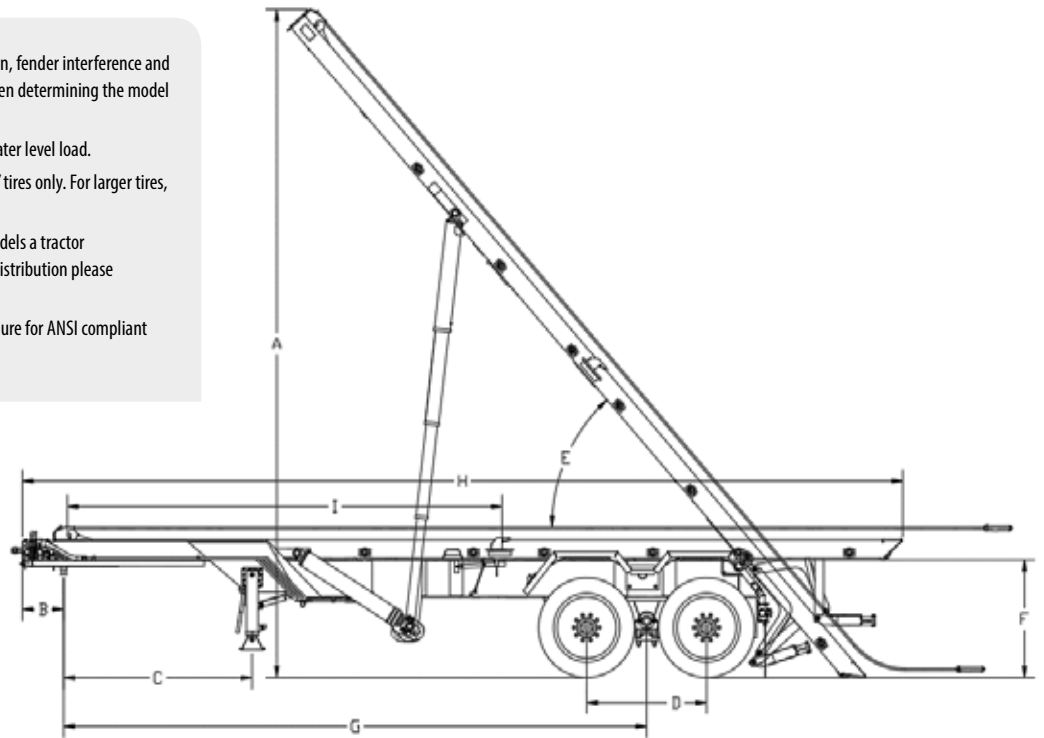


A5-OR-250 shown with a Pioneer tarp system, Under body mount tire carrier, Steel contoured fenders, and Ratchet hold down options

A5-SERIES

Notes for chart:

- 1) When recommending container lengths, weight distribution, fender interference and overhang are factors. Please consult your local ordinances when determining the model of hoist needed to suit your container needs.
- 2) Factory tested with recommended container length and water level load.
- 3) Frame Height = top of trailer frame to ground. Using 22.5" tires only. For larger tires, consult engineering for clearance.
- 4) GVWR can vary based on Tractor wheel base - For these models a tractor with a 205"WB was used. For optimum payload and weight distribution please consult engineering.
- 5) Reference "Container Understructure" sheet at rear of brochure for ANSI compliant fixed hold down location specifications.



Models

	A5-OR-200	A5-IO-200	A5-HH-200	A5-EX-200	A5-OR-250
FEATURE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE
Recommended Container Size ¹	18' to 26'	18' to 26'	18' to 24'	18' to 24'	22' to 30'
Gross Vehicle Weight Restricted (GVWR) ⁴	68,000 lbs.	68,000 lbs.	68,000 lbs.	68,000 lbs.	72,500 lbs.
Rated Hoist Capacity ²	60,000 lbs.	60,000 lbs.	50,000 lbs.	60,000 lbs.	60,000 lbs.
Overall Trailer Length (tail retracted)	334 1/2"	333 1/4"	280 1/4"	283 3/4"	389"
A – Raised Hoist Height from Ground ³	240 1/2"	240 1/2"	244 1/4"	240 1/2"	283 1/8"
B – King Pin setting	18"	18"	18"	18"	18"
C – King Pin to Jack Leg	78 1/4"	78 1/4"	78 1/4"	78 1/4"	78 1/4"
D – Axle spread	53"	53"	53"	53"	53"
E – Raised Dump Angle ³	50°	50°	50°	50°	49°
E1 – Load Angle ³	-	-	-	33°	-
F – Trailer Frame Height from Ground ³	49"	49"	49"	49"	49"
G – King Pin to Trunnion	201"	201"	199 3/4"	199 3/4"	251 1/2"
H – Hoist Length	311"	311"	258"	261 3/4"	373 3/4"
Hoist Length w/ Tail Extended	-	-	-	341"	-
I – Front Stop to Rear Hold Down ⁵	192"	192"	192"	192"	192"
Lift Cylinders (forward mount)	6-5 x 79"	6-5 x 79"	6-5 x 79"	6-5 x 79"	6-5-4 x 118"
Winch Cylinders (dual reaving)	7"x 3"x 90"	7"x 3"x 90"	7"x 3"x 90"	7"x 3"x 90"	7"x 3"x 108"
Extendable Tail Cylinder	-	-	-	(1) 3.5" x 2.5" x 80"	-
Approximate weight with standard features	14,140 lbs.	14,750 lbs.	13,650 lbs.	14,731 lbs.	16,520 lbs.

* Containers that overhang the rear of the trailer's bumper (Fixed ICC or Folding ICC) by more than 24" will require the appropriate flagging to meet DOT requirements *

Models Continued

	A5-IO-250	A5-HH-250	A5-EH-250	A5-EX-250	A5-OX-250
FEATURE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE
Recommended Container Size ¹	22' to 30'	22' to 26'	22' to 26'	22' to 26'	22' to 30'
Gross Vehicle Weight Restricted (GVWR) ⁴	72,500 lbs.	72,500 lbs.	72,500 lbs.	72,500 lbs.	72,500 lbs.
Rated Hoist Capacity ²	60,000 lbs.	50,000 lbs.	50,000 lbs.	60,000 lbs.	60,000 lbs.
Overall Trailer Length (tail retracted)	389"	334 ½"	335"	338"	389"
A – Raised Hoist Height from Ground ³	283 ⅛"	287"	287"	283 ⅛"	283 ⅛"
B – King Pin setting	18"	18"	18"	18"	18"
C – King Pin to Jack Leg	78 ¼"	78 ¼"	78 ¼"	78 ¼"	78 ¼"
D – Axle spread	53"	53"	53"	53"	53"
E – Raised Dump Angle ³	49°	49°	49°	49°	49°
E1 – Load Angle ³	-	-	33°	33°	24°
F – Trailer Frame Height from Ground ³	49"	49"	49"	49"	49"
G – King Pin to Trunnion	251 ½"	251 ½"	251 ½"	251 ½"	251 ½"
H – Hoist Length	373 ¾"	320 ½"	321"	324"	373 ¾"
Hoist Length w/ Tail Extended	-	-	400"	403"	453"
I – Front Stop to Rear Hold Down ⁵	192"	192"	192"	192"	192"
Lift Cylinders (forward mount)	6-5-4 x 118"	6-5-4 x 118"	6-5-4 x 118"	6-5-4 x 118"	6-5-4 x 118"
Winch Cylinders (dual reaving)	7"x 3"x 108"	7"x 3"x 108"	7"x 3"x 108"	7"x 3"x 108"	7"x 3"x 108"
Extendable Tail Cylinder	-	-	(1) 3.5" x 2.5" x 80"	(1) 3.5" x 2.5" x 80"	(1) 3.5" x 2.5" x 80"
Approximate weight with standard features	17,160 lbs.	16,030 lbs.	16,922 lbs.	17,111 lbs.	17,362 lbs.

* Containers that overhang the rear of the trailer's bumper (Fixed ICC or Folding ICC) by more than 24" will require the appropriate flagging to meet DOT requirements *

Cycle Times @ 1,850 PSI & 37.5 GPM @ 1,500 RPM Minimum	37.5 GPM
Hoist Up -	41 sec.
Hoist Down -	36 sec.
Winch On -	50 sec.
Winch Off -	34 sec

*A5-OR-250 theoretical times shown. Dash 200 hoist models will be slightly faster in both Hoist & Winch functions dependent upon hoist length, cylinder stroke and pump flow.

Minimum Truck Requirements (200 & 250 Models)

Axle Rating: 12,000 Front / 44,000 Rear

Transmission Torque: 261 ft. lbs.

Chassis Frame Section Modulus: 20 cu.in.

Pump: 37.5 GPM @ 1,500 RPM, 2,200 PSI or greater Wet Kit capable

Hydraulic Reservoir: 50 Gallon Reservoir - M6-200/250

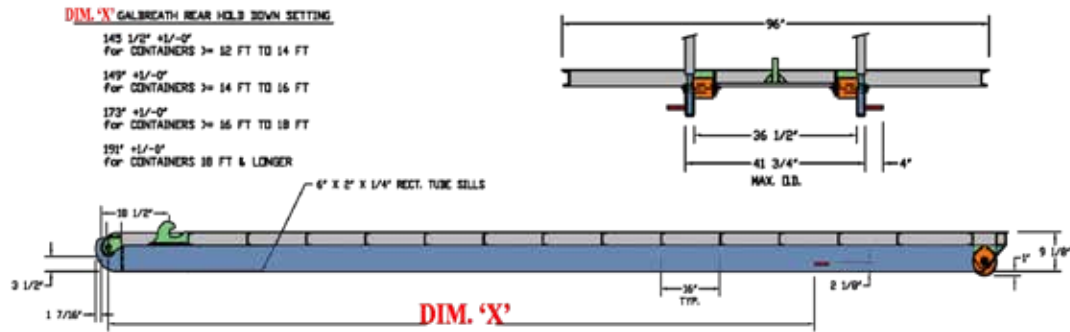
Hoses: Recommended use with similar hoses or larger to match system.

Hoses from truck/tractor need to support the following hose ends:

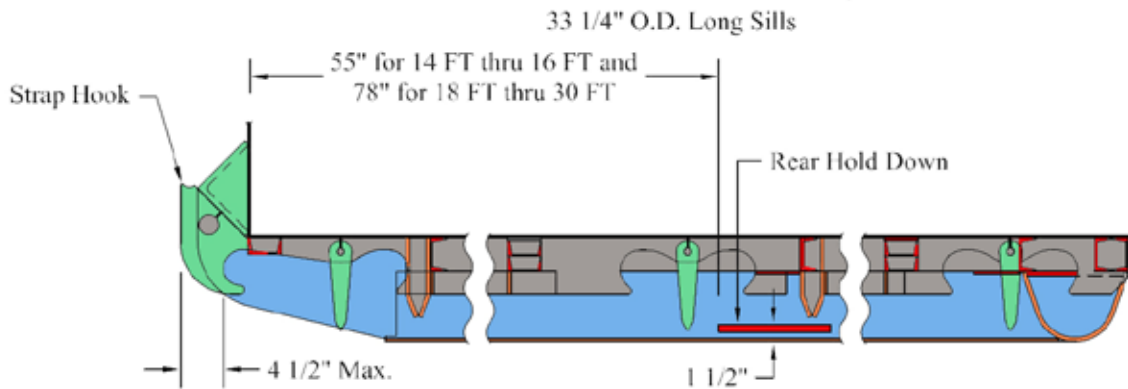
1" female quick disconnect (pressure line) connections must be screw type

1 ¼" male quick disconnect (return line) connections must be screw type

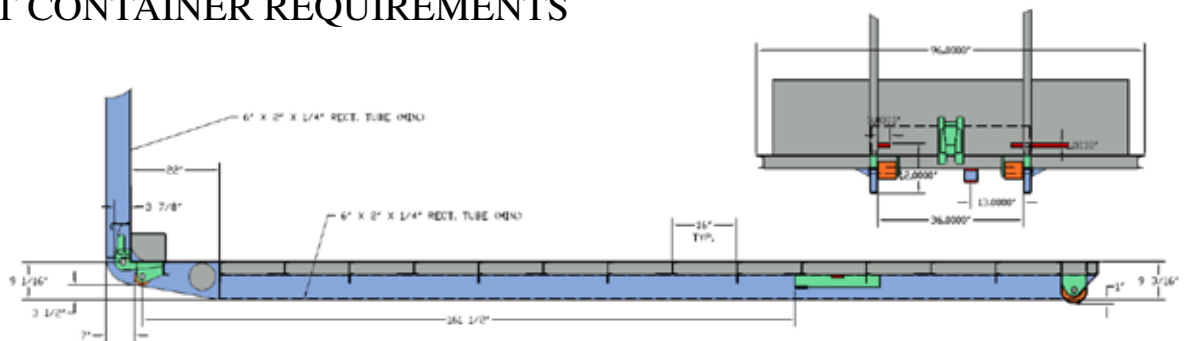
OUTSIDE RAIL CONTAINER REQUIREMENTS



INSIDE RAIL CONTAINER REQUIREMENTS



DEADLIFT CONTAINER REQUIREMENTS



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