

Model SAT800 Series

8 yard Satellite Dump Body Attachment

Body Construction

- ☐ Main Frame 2 x 6 x 3/16" wall steel structural tube.
- ☐ Other Frame 2 x 2 x 3/16" wall steel structural tube.
- ☐ Bottom & Front Panels 12 ga HRS.
- ☐ All Other Body Panels 14 ga HRS.
- ☐ Dump Body contains 1 x 2 x 1/8" wall steel structural tube around edges.
- ☐ Dump Body is fully welded water-tight.
- ☐ Composite self-lubricated bearings are used on all major pivot points, requiring no regular maintenance / greasing except as desired.

Hydraulic Specifications

- ☐ 12v DC, 1.7 gpm pump producing 1500 psi at 225 amp draw.
- ☐ 4.8 liter capacity tank, using standard hydraulic oil.
- ☐ 3 1/2" cylinders 1 1/2" Chromed shaft
- ☐ Operating temperatures -20 degrees F to 130 degrees F.
- ☐ Water-Proof Double toggle switch control with 10' loose pendant for hand-held operation (Holding bracket for pendant also provided on both sides)
- ☐ Heavy duty 2/0 awg gauge wiring is used for power which connects directly to the battery.
- ☐ The electrical connection may be disconnected via a plug, for easy removal.

Mounting Specifications

- ☐ Front mounting brackets (x4 pieces) secured by 8 total 3/8" diameter bolts.
- ☐ Rear mounting brackets (2 pieces) secured by 4 total 3/8" diameter bolts.

Mounting continued:

- ☐ The entire unit fits all standard 8' foot bed pickup trucks with 33" minimum, 36" maximum height and 1 ton minimum capacity.
- ☐ The 8-yard unit (empty) weighs 1900 lbs. (with D6071 series lifter).
- ☐ The SAT has built in forklift points for easy and safe installation and removal.
- ☐ The SAT unit is secured to the mounting brackets by two quick release pins, requiring no tools.

Performance

- ☐ Time to dump the body is approximately 23 seconds.
- ☐ Time to return the body back down is approximately 20 seconds.
- ☐ The body has a 8 cubic yard capacity.
- ☐ The dump body has a capacity to dump 4,000 lbs. (Please be sure the truck you select is capable of handling the combined load of dumper and contents, for a total of 5,900 lbs).
- ☐ The cycle time for the cart lifter is approximate 6 to 8 seconds.
- ☐ The dump body ejects the contents at a 45 degree dump angle.
- ☐ Rearward heavy duty truck-style rubber bumpers protect the cart lifter during dumping operations.
- ☐ Rubber stops cushion the dump body on way up and way down, reducing noise and impact.
- ☐ Rubber stops under the tarp arms reduce noise and impact.
- ☐ Locking pin secures side access doors in open or closed positions.
- ☐ Dual locking side access doors with hinge from the side (42 x 34 in size).

Dimensions

- ☐ SAT body & frame is 112" long overall, 89 ¼" overall width.
- ☐ Overhead clearance of the SAT is 88, above the truck bed floor.
- ☐ Ground clearance of the SAT with a cart lifter is 17 ½".
- ☐ The inside width of the body at the widest point is 80 ¾".
- ☐ The inside height of the body at the tallest point is 72 3/8".
- ☐ Throw-over height of the rear opening is 33 7/8" above the truck bed floor.
- ☐ Throw-over height of the side access door is 38 ½" above the truck bed floor.

Finish

- ☐ Frame, Body, and Lifter are all powder coated.
- ☐ All hardware is zinc-plated.
- ☐ Hydraulic cylinders have black finish body, hardened chrome rods.

Options

- ☐ Split-body 30/70 or 40/60 is available.
- ☐ Self-retracting Mesh or vinyl Tarps are available. The tarp uses a set of deployment arms which carry the tarp high over the debris inside the container so that the tarp does not drag across or catch on debris, making using the tarp easier and greatly reducing wear and tear on the tarp.
- ☐ Hydraulic Steel Lid with electrical hand controls available. The steel lid adds approximately 395lbs to the SAT unit.
- ☐ Cart Lifter for standard US-style ANSI Type B carts having 2-bars, 36-96 gallon in size, 400 lb. lifting capacity, has 3 year limited warranty.
- ☐ Cart Lifter with folding grabber arms which do not block access to hand loading and do not become tripping/safety hazards, since they fold out of the way. The gripper arms grab typical ANSI carts, as well as 55 gallon drums and other various sized/shaped containers having a diameter not exceeding

Perkins Cart Lifter Specifications (Optional)

- ☐ Lifter is based upon powerful 27k split-body helical rotary actuator for smooth, dependable lifting action with 400 lb lift capacity and a 6-8 second cycle time.
- ☐ Finish is powder-coated yellow for high visibility and long lasting protection.
- ☐ Lifter features adjustable length arms to easily adapt to different sized pick-up trucks without the need to switch lifters.
- ☐ Heavy-duty UHMW upper saddle secures your carts upper bar.
- ☐ Lower latch is spring-loaded for reduced cart wear and tear.
- ☐ Lifter dumps high over debris within hopper, for maximum hopper loading.
- ☐ All pivot points with convenient grease-zerks for simple maintenance.

Warranty

- ☐ 1-year limited warranty.