



Top Fill Sand Loading System

Application

Provides a new, faster alternative to sand loading at the wellsite. With increased payload and faster unloading, Solaris' Top Fill Sand Loading System increases truck utilization, turn rate and supply-chain reliability through multiple trucking options, resulting in lower cost per ton, reduced carbon footprint and higher logistics efficiency.

Features and Benefits

- All-electric design powered by system provided generator, or alternate source used for an electric fleet
- Vertical design and flexible placement, it can be positioned along the sides or at the end of the silos based on wellsite dimensions
- Fewer drivers required
- Higher truck utilization
- Truck offload rate: 400 tons/hour (13,300 lbs./min)
- Unloads 54,000 lbs. truck in less than 5 minutes
- Allows use of belly dump and pneumatic trucks individually or simultaneously
- Requires same permit load dimensions as our silo transport trailer



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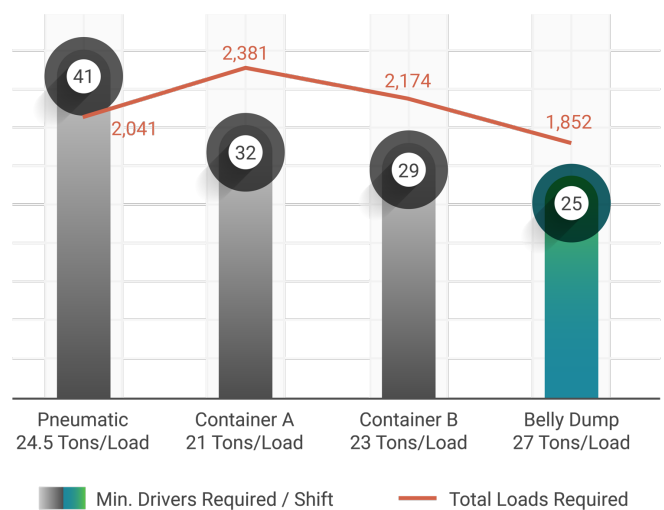


Top Fill Sand Loading System

Top Fill By the Numbers

	PNEUMATIC	BOXES	BELLY DUMP
TOP FILL VS OTHER SYSTEMS			
Load Time (hrs.)	0.25	0.25	0.25
Total Travel Time (hrs.)	3.00	3.00	3.00
Offload Time (hrs.)	1.00	0.25	0.25
Cycle Time (hrs.)	4.25	3.50	3.50
Max Cycles / 12 Hr. Shift	2.0	3.0	3.0
Tons / Load	24.5	22.0	27.0
Max Tons Deliverable / 12 Hr. Shift	49.0	66.0	81.0
Loads Required / Day	81.6	90.9	74.1
Min Drivers Required / Day	41.0	30.0	25.0
# of Truck Loads / Job	2,041	2,273	1,852

Assumptions: Mileage: 60; Pumping Days: 25;
Tons/Day: 2,000; Total Job: 50,000



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Up to
39%
Reduction of
Drivers Required

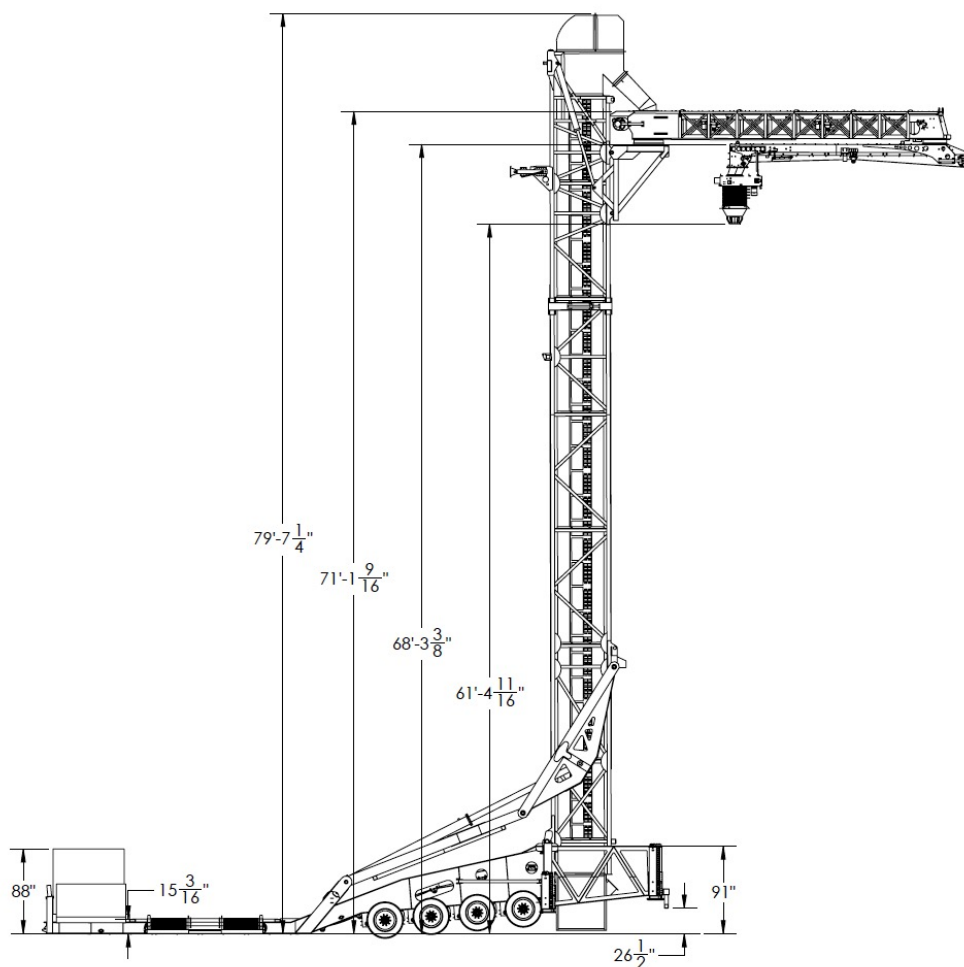
Up to
22%
Reduction of
Loads Required





Top Fill Sand Loading System

Dimensions



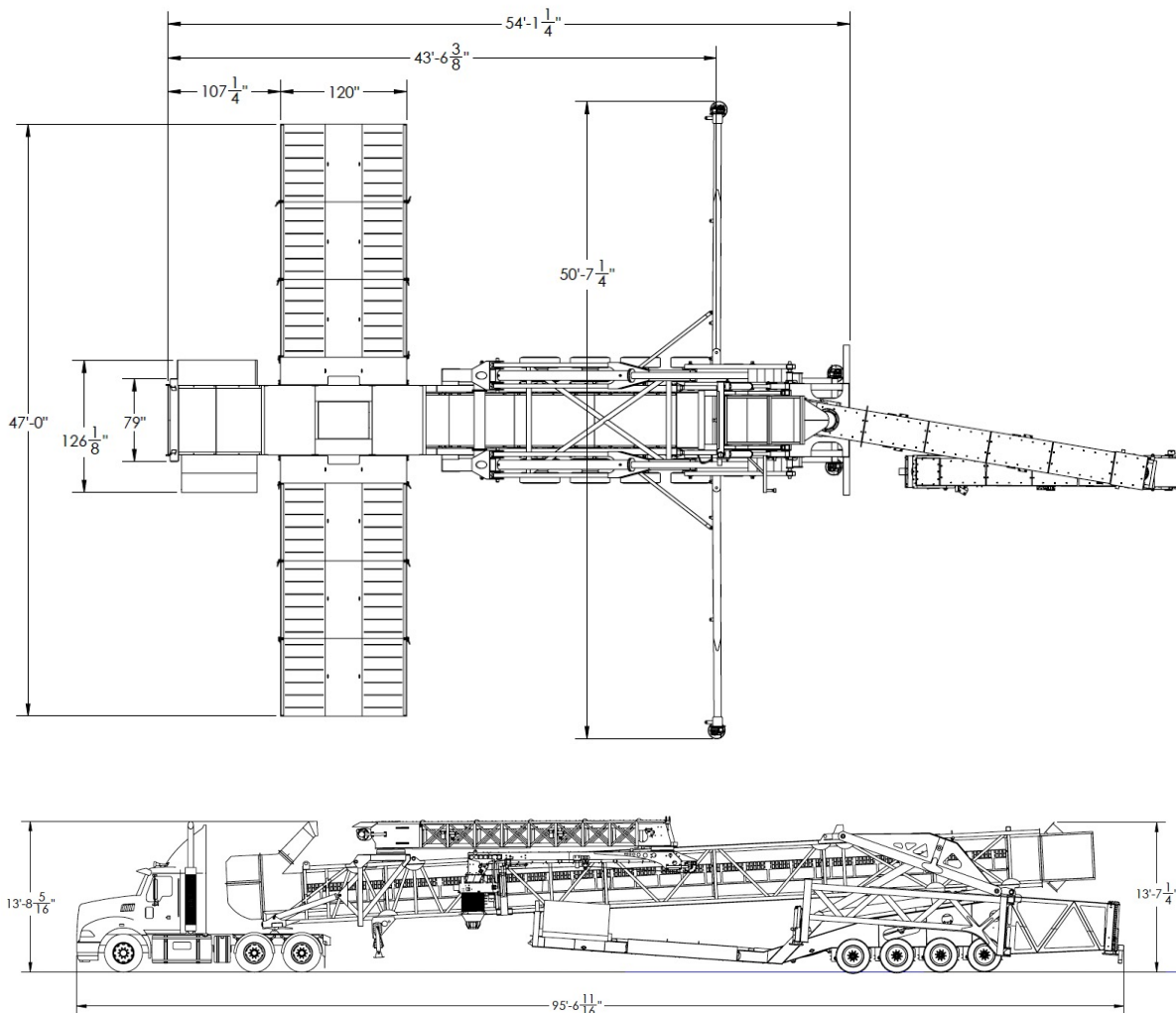
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Top Fill Sand Loading System

Dimensions



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