



# Sugar Beet Piler

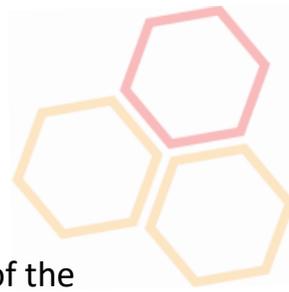


Increase Productivity    Reduce Spoilage    Eliminate Downtime  
Accelerated Offloading    Safe and Efficient



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This “super” piler is built to pile the competition under. Stacking at a rate of 1,000 tons per hour it incorporates a mobile track system, nearly eliminating down time. Side and end dump configurations are built in to accommodate most trailers. A strategically placed cab provides optimal line of sight for the operator of the crew and end dump conveyor, improving safety and piling efficiency.



### **Increase Productivity**

Designed with a four part conveyor system giving the efficiency and ability to stack at a rate of 1,000 tons per hour. The main conveyor has been designed to reduce the amount of mud and provide beet metering. All belts are equipped with variable frequency drive, that allows increased control of feed rates.

### **Reduce Spoilage**

Dirt belt conveyor captures the dirt from the main belt and discharges it into the screener. This cuts down on the dirt and debris, increasing the air flow within the pile and reducing spoilage. With a redesigned 140 degree reach the piler can create a wider and more uniform pile increasing the efficiency of the unloading process.

### **Eliminate Downtime**

Built on tracks the conveyor system is fully suspended to allow for operation while in motion. The piler can move up to three feet every fifteen minutes, eliminating required down time to reposition the piler for unloading. Grease banks are strategically placed on easy access points on the piler to make preventative maintenance simple.

### **Accelerated Offloading**

Designed to accommodate side-dump and end dump configured trailers, it also has increased hopper and conveyor capacity. This provides the ability to unload trucks from both configurations simultaneously. The ramps for the platforms have been lowered and extended by 5 feet to accommodate trucks of all sizes. A Red-light/ Green-light system is used to direct trucks that are unloading.

### **Safety = Efficiency**

To increase the efficiency of the machine the cab is perched on the top of the screener providing a clear line of sight between the operator and the ground crew. This increases both consistency in the piling stacks, preventing unstable piles and increasing the communication between operator and crew. In addition lights and cameras are placed throughout the machine preventing potential blind spots. Track safety guards have been installed to prevent outside obstruction and increase the safety of the ground crew.





# Product Specifications



Gearbox	Polaris 85 / 50 HP
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## Dimensions

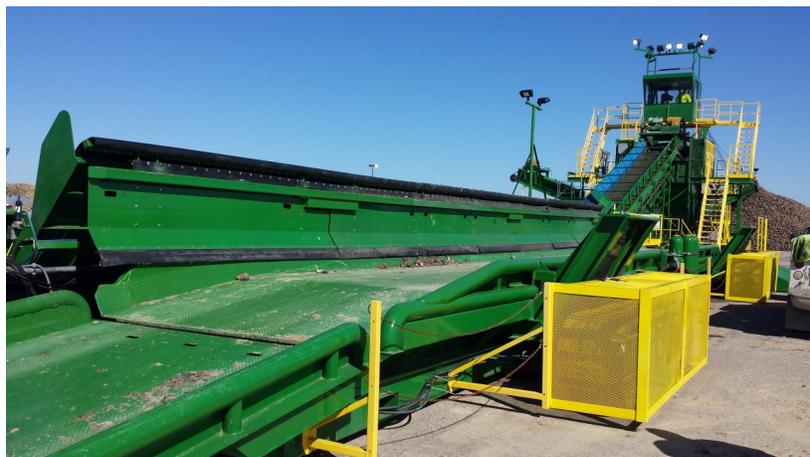
Overall Machine Length (with Conveyor)	259 ft 11 in
Overall Machine Width	51 ft 6.5 in
Overall Machine Height	27 ft 9.5 in
End Dump Conveyor Belt	6 x 4 ft
Boom Conveyor Belt	110 x 4 ft
Main Dump Conveyor Belt (L x W)	50 x 4 ft
Main Incline Conveyor Belt (L x W)	80 x 4 ft
Side Dump Platform (L x W)	840 x 102
Ramp Angle (On & Off)	7 degrees
Tipping Angle	50 degrees
Front Main Frame (L x W)	760.5 x 302 ft
Ground Clearance	10.5 ft
Rear Main Frame (L x W)	1036 x 129.5 ft
Ground Clearance	8.25 ft

## Capabilities

Boom Swing Radius	140 degrees
Main Conveyor Motor	60 HP
Main Incline Conveyor Motor	50 HP
Boom Conveyor Motor	60 HP
End Dump Conveyor Motor	40 HP
Front Main Frame Speed	3 ft per 15 minutes
Rear Main Frame Turning Rate	3 in per 15 ft

## Capacities

Piling Speed	1,000 tons per hour
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# Sugar Beet Piler



Mobile track system engineered to eliminate down time

Elevated cab provides optimal view for piling & communication with crew

Multi-conveyor system keeps up with high volume operations

Designed, engineered & proven to out perform standard pilers,  
our system piles 1,000 tons per hour.

