

500-900
Cubic Feet



SIOUX AUTOMATION CENTER



TURBO-MAX REEL MIXERS



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Turbo-Max Trailers

The 61 Series Turbo-Max reel mixers by SAC are designed to be effective in both dairy and beef rations with all processed feed ingredients. The Turbo-Max reel uses a gentle mixing action, lifting and tumbling the ingredients with each rotation. Side augers move the feed from front to rear keeping the reel evenly loaded, as well as providing fast and smooth feed delivery.

Available in 500 to 900 ft³, there is a Turbo-Max that can be sized and configured to meet your operation's needs.

6150 | 500 ft³
15000 lbs Payload Capacity
1000 rpm



6160 | 600 ft³
18000 lbs Payload Capacity
1000 rpm



6175 | 750 ft³
22500 lbs Payload Capacity
1000 rpm

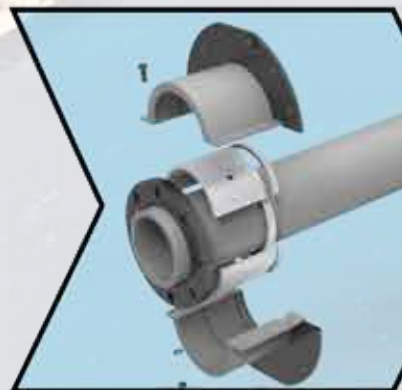
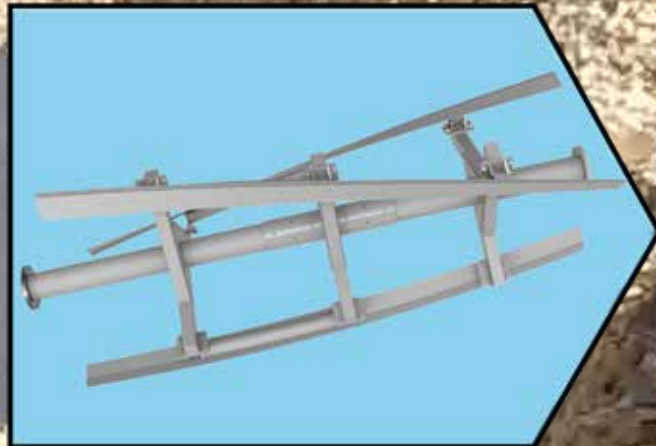


STANDARD FEATURES

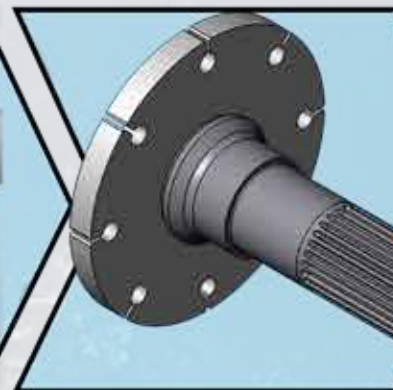
The 61 Series Turbo-Max reel mixers provide an extensive list of standard features including direct reel drive with nylatron bearings, splined auger drive shafts, HD 10 bolt hubs, drop side for easier loading, and bucket guards. Bottom augers include $\frac{3}{4}$ " flights at the convergence area and are supported by $\frac{1}{2}$ or $\frac{3}{4}$ " tubes for long life. The mixer drive features maintenance free idlers, Diamond® roller chain, oil bath enclosure, and shear bolt protection. All are carried by a trailer designed to haul loads up to 30 lbs/ft³.

Benefits of the Turbo II Reel:

- Spiral design moves material front to back reducing the tendency to roll
- Open concept increases mixing volume and ability to manage bulky products
- No moving parts on the reel mean fewer items to fail or maintain
- Unique reel center to increase strength and longevity



Reel Drive and Bearing
The SAC exclusive reel drive and bearing features a split housing with nylatron sleeves for reduced maintenance. Direct drive from sprocket to reel tube ensures alignment and long life.



Spline Shafts
Auger shafts feature spline shafts for long life and maintenance-free operation.



Wheel / Hubs
HD 10 bolt hubs and truck tires for long life and easy replacement.



Oil Bath
Quiet poly idlers with American made drive chain.



Drop Side
Lower loading height for smaller loaders.

OPTIONAL FEATURES

Turbo-Max mixers have a complete list of options to customize the machine to your specific operational and ration requirements. Choose a slide tray for up close bunk feeding or an auger discharge for areas where extended reach is required. Knives are available on the top auger for processing bulky ingredients. Stainless liners add significant longevity to your investment. Digi-Star and Avery Weigh-Tronix scale systems are available to ensure that your ration accuracy is the best it can be.



Slide Tray
Hydraulically controlled slide tray with magnets for simple feed placement.



Auger Discharge
Hydraulically powered, height adjustable with magnets for applications needing more height or reach.



Scales
Improve TMR accuracy and repeatability with a scale system from Digi-Star or Avery Weigh-Tronix.



Scale Remote
Add convenience of displaying weight on the mixer side.



Stainless Steel Liners
Extend the life of your machine with stainless steel liners.



Top Auger Knives
Improve break up and incorporation of bulky ration ingredients.



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Turbo-Max Trucks

A 61 Series Turbo-Max truck mount offers the best of speed and capacity in one complete package. Truck mount mixers excel where livestock are a significant distance from where the feed is stored. SAC provides lifetime free loaner truck mounts to the original purchaser of a new SAC truck mount when mixer repair is required.

6150 | 500 ft³
15000 lbs Payload Capacity
PTO Drive



6175 | 750 ft³
22500 lbs Payload Capacity
PTO or Hydrostatic Drive



6160 | 600 ft³
18000 lbs Payload Capacity
PTO or Hydrostatic Drive



6190 | 900 ft³
27000 lbs Payload Capacity
Hydrostatic Drive



STANDARD FEATURES

The 61 Series Turbo-Max truck mount mixers offer the same extensive list of standard features as the trailer units. Truck specific features include an ergonomically friendly and easy to use control console with integrated scale mount. The 6150 & 6160 PTO drive models use a heavy duty agricultural type driveline with shear protection. The 6175 & 6190 feature independently controlled hydrostatic reel and auger drives. Each model also includes a heavy duty rear bumper with both push and pull capabilities and steel fenders for maximum durability in a harsh environment.



Control Console
All mixer controls at your fingertips. Ergonomic design includes central location for all fuses and relays.



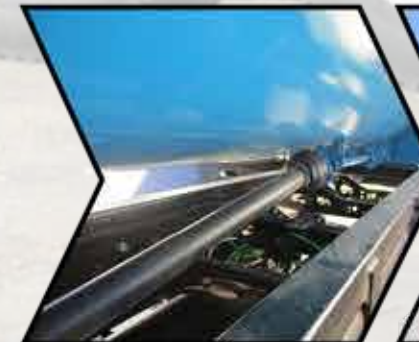
Steel Fenders
Heavy duty fenders designed around difficult feedlot environments.



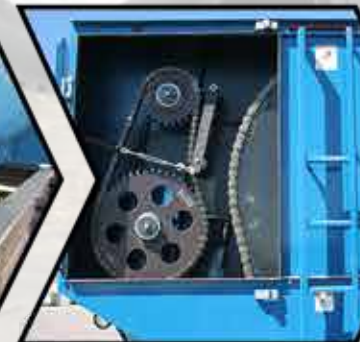
HD Rear Bumper
Protects rear of mixer from damage. Built for push/pull capabilities in tough conditions.



Bunk Lights
Illuminates bunk and discharge area.



Driveline
Ag driveline has heavy duty joints and shear protection.



Independent Reel/Auger Speed Control
Fully proportional control of both the augers and reel to suit the operator. Reduces startup horsepower for low rpm bunk feeding.
*6175 & 6190 only



Tandem Pump Drive
Simple, proven design with proportional electronic controls.
*6175 & 6190 only

OPTIONAL FEATURES

A 61 Series Turbo-Max truck mount chassis can be customized with a number of options to increase efficiency, longevity, and extend maintenance intervals. All chassis options are either factory or SAC installed. Add a reversible engine fan to automatically blow out dust and debris that can become trapped in the radiator, or a remote mounted AC condenser to improve radiator air flow. A RAM system will reduce fuel usage and extend mixer and chassis life and an air filter precleaner to extend filter life.



Reversible Fan
Fan automatically cycles between pull and push modes reducing dirt and debris buildup in radiator.



Remote Condenser
Improves radiator flow and dirt removal by relocating AC condenser to frame rail.



RAM System
Allows operator to remotely engage the truck mount mixer with customizable timers while simultaneously loading feed ingredients.



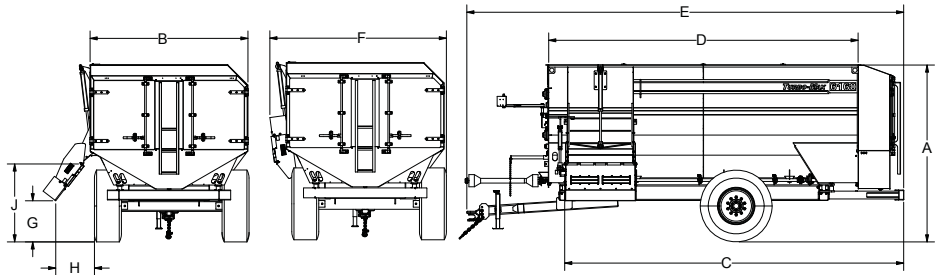
Roller Bumper
Heavy duty bumper with roller to protect chassis and bunks from damage.






Precleaner
Self-cleaning air intake screen increases filter maintenance intervals.

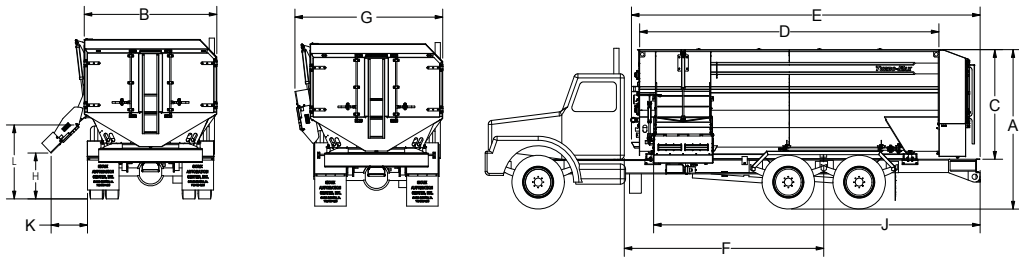






Auxiliary Transmission
Two-speed gearbox provides reduced ground speed for bunk feeding and highway speed for travel.



MODEL	6150	6160	6175
			
CAPACITIES			
Mixing Capacity	500 ft³	600 ft³	750 ft³
Payload Capacity	15000 lbs	18000 lbs	22500 lbs
Unit Weight	16000 lbs	18500 lbs	24950 lbs
DIMENSIONS			
A - Overall Height¹	111"	108"	120"
RH Drop Side Reduction	12.5"	12.5"	13"
B - Mixer Box Width	102"	102"	107"
C - Front Discharge to Bumper	186"	216"	225"
D - Mixing Chamber Length	168"	198"	210"
E - Overall Length	250"	280"	290"
F - Slide Tray - transport width	114"	104"	113"
- Power Discharge - transport width 2'/3'	132"/132"	132"/132"	130"/134.5"
G - Slide Tray - max height¹	31"	28"	32"
- Power Discharge - transport width 2'/3'	42"/49"	39"/46"	42"/57.5"
H - Slide Tray - max reach	18"	18"	28.5"
- Power Discharge - transport width 2'/3'	37"/47"	37"/47"	44.5"/49.5"
J - Hinge Height for Discharge¹	47"	44"	53"
SPECIFICATIONS			
Reel Diameter	70"	70"	76"
Reel Hopper Thickness	3/8"	3/8"	3/8"
Lower Auger			
Flighting Diameter	24"	24"	24"
Flighting Thickness²	3/4", 5/8", 1/2"	3/4", 5/8", 1/2"	3/4", 5/8", 1/2"
Tube-Outside Diameter/Wall Thickness	6-5/8" / 23/32"	6-5/8" / 23/32"	8-5/8" / 1/2"
Drive Shaft Diameter	4"	4"	4"
Upper Auger			
Flighting Diameter	22"	22"	24"
Flighting Thickness	1/2"	1/2"	1/2"
Tube-Outside Diameter/Wall Thickness	6-5/8" / 23/32"	6-5/8" / 23/32"	8-5/8" / 1/2"
Drive Shaft Diameter	3-1/2"	3-1/2"	3-1/2"
Auger Hopper Thickness	3/8"	3/8"	3/8"
Side Sheet Thickness	3/16"	3/16"	3/16"
End Sheet Thickness	1/4"	1/4"	1/4"
PTO Speed	1000 rpm	1000 rpm	1000 rpm
Minimum Horsepower Requirements³	100 HP	100 HP	150 HP

Note: We reserve the right to improve our products at any time. Specifications are subject to change at any time.
1 Heights and widths will vary with tire size.
2 Horsepower requirements will vary by ration components and moisture.



MODEL	6150	6160	6175	6190
				
CAPACITIES				
Mixing Capacity	500 ft³	600 ft³	750 ft³	900 ft³
Payload Capacity	15000 lbs	18000 lbs	22500 lbs	27000 lbs
Unit Weight¹	13400 lbs	17600/19400 lbs	22500 lbs	23500 lbs
DIMENSIONS				
A - Overall Height¹	119"	119"	124"	130"
RH Drop Side Reduction	12.5"	12.5"	13"	14"
B - Mixer Box Width	102"	102"	107"	115"
C - Frame to Tub Height	81"	81"	86"	92"
D - Mixing Chamber Length	168"	198"	210"	216"
E - Overall Length	206"	236"	255"	257"
F - Cab to Axle /Trunnion	120"	142"/135"CT	152"	157"
G - Side Discharge - transport width	113"	113"	116"	122"
H - Discharge Height²	36"	36"	37"	37"
J - Front of Discharge to Rear	189"	219"	221"	227"
K - Slide Tray - max reach	25"	25"	26"	28"
L - Hinge Height for Discharge²	56"	56"	57"	58"
SPECIFICATIONS				
Reel Diameter	70"	70"	76"	82"
Reel Hopper Thickness	3/8"	3/8"	3/8"	1/4"
Lower Auger				
Flighting Diameter	24"	24"	24"	26"
Flighting Thickness²	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"
Tube-Outside Diameter/Wall Thickness	6-5/8" / 3/4"	6-5/8" / 3/4"	8-5/8" / 1/2"	8-5/8" / 1/2"
Drive Shaft Diameter	4"	4"	4"	4-1/2"
Upper Auger				
Flighting Diameter	22"	22"	24"	26"
Flighting Thickness	1/2"	1/2"	1/2"	1/2"
Tube-Outside Diameter	6-5/8" / 3/4"	6-5/8" / 3/4"	8-5/8" / 1/2"	8-5/8" / 1/2"
Drive Shaft Diameter	3-1/2"	3-1/2"	3-1/2"	4"
Auger Hopper Thickness	3/8"	3/8"	3/8"	1/4"
Side Sheet Thickness	3/16"	3/16"	3/16"	3/16"
End Sheet Thickness	1/4"	1/4"	1/4"	1/4"
Minimum Horsepower/Torque⁴	260 hp / 660 ft-lb	275 hp / 800 ft-lb	300 hp / 1200 ft-lb	300 hp / 1200 ft-lb
Drive System	PTO	PTO / HYDRO	SINGLE HYDRO	SPLIT HYDRO

Note: We reserve the right to improve our products at any time. Specifications are subject to change at any time.
1 Does not include chasis.
2 Heights are based on 38" frame rail height.
3 Lower auger flighting at covergence is 3/4" standard.
4 Horsepower / torque requirements will vary by ration components and moisture.



Sioux Automation Center, Inc. (SAC) is an original equipment manufacturer based in Sioux Center, IA. SAC was established in 1961 with the goal of serving local customers through the manufacture, sale, and repair of livestock equipment. Since then, SAC has grown to become a global leader in the agricultural and service equipment industries with the commitment of providing the highest quality products at an exceptional value. Today, SAC offers a diverse portfolio of ag equipment including: Maxi-Mixer and Turbo-Max TMR Mixers, Roto-Press Silage Baggers, Dry Manure Spreaders, Roto-Mill Roller Mills, and service equipment including Eagle Pro Service Trucks and Tiger Cranes.

SAC also offers a full complement of services to support its products. Agricultural equipment services include mixer repair and rebuilding, scale sales and repair, mixer and scale loaners, on-farm mixer repair, and an extensive inventory of parts that are available 24/7/365. Experience the SAC difference and give us a call with all your equipment needs today!



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