

What makes the Solomix 3 special?

- ▲ Trioform Auger Knives for Rapid Cutting, Minimum Power and Long Life.
- ▲ Unique Auger Design for Rapid Mixing
- ▲ 3-Point or 5-Point scale system for Accuracy and Durability
- ▲ Patented Horizontal flow system for Maximum Feed Movement
- ▲ Rounded Doors or Conveyor Belt/Chain for Uniform Discharge

Solomix 3 3000-4600



Trioliet: Invents for you.



Unique three auger system with horizontal flow system.



Solomix 3:

Solomix 3 mixer feeders have a very stable auger construction, supported on the chassis. This construction reduces the load on the mixing chamber and the drive. Twin stream augers are the standard of vertical mixing because of: fast feed mixing, high filling rate, improved cutting performance and even feed discharge. Just above the bottom, at the lower end of the mixing chamber wall, a special Trioliet wearing ensures stability and a long service life.

Horizontal flow system:

The Solomix 3 mixer feeders with three vertical mixing augers are equipped with special offset inserts between the mixing augers for interaction between the front and rear mixing chamber sections, resulting in the feed not only being mixed in the usual vertical direction, but also in length-wise direction of the wagon. That guarantees a quick and homogeneous mixing and a regular and complete discharge.

Regardless of your farm situation, Trioliet offers you a suitable machine that can distribute the required feed at all times at the right place and in the right quantity for your cows.



Solomix 3, 3600 VLB T

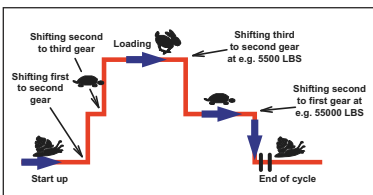


SHIFTRONIC

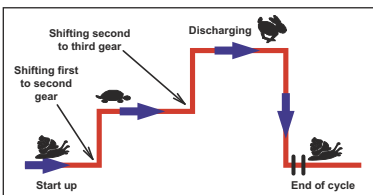
To avoid start up problems with very big mixers, Trioliet developed a three speed gearbox, with which it is possible to shift without interruption from a start-up speed to a higher speed (mixing speed) or even to a third speed (fast mixing, fast unloading or last feed removal).

This new gearbox prevents high stress in the drive line at the mixer and the PTO system of the tractor. The Shifttronic is available as an option.

Shifttronic



Example loading and mixing procedure in high cows program.



Example discharge procedure in high cows program.

This Shifttronic gearbox offers the following benefits:

- Tractor PTO clutch is protected against high torque starting peaks.
- Full control over the mixer, when the tractor driver is not in the tractor seat but loading the mixer.
- Power requirement can be adjusted for each ration and available tractor power.
- Offers fuel consumption savings and protection to the tractor.
- Very efficient (no torque converter).
- Shifting down with no shocks or torque peaks.

Trioform Auger Knife:

- Shaped auger knife for:
 - Higher strength of construction (no support plate necessary).
 - Horizontal position (parallel to the mixing tub bottom) on the auger fighting for optimum cutting performance.
- Less resistance in the feed, less power required (fuel saving).
- Self-sharpening.
- Long life.
- Patent pending.



Solomix 3, 4600 VLK T.



Easy Loading.

| Model | 3000 VLB T/VLK T | 3600 VLB T/VLK T | 4000 L VLB T/VLK T | 4600 VLB Tr/VLK Tr |
|---------------------------------------------|------------------------------------------------|--------------------|--------------------|--------------------|
| Discharge | Cross conveyor belt or chain conveyor at front | | | |
| Capacity cu.ft. | 30/1,060 | 36/1,285 | 40/1,415 | 46/1,650 |
| Overall length m./Inch. | 9.23/363" | 9.98/393" | 10.60/417" | 10.86/428" |
| Overall width with 114" belt/chain m./Inch. | 2.90/114" | 2.90/114" | 2.97/117" | 2.97/117" |
| Overall width with 91" belt/chain m./Inch. | 2.44/96" | 2.66/105" | 2.97/117" | 2.97/117" |
| Overall height* m./Inch. | 3.25/128" | 3.30/130" | 3.20/126" | 3.49/137" |
| Width outside wheels m./Inch. | 2.05/81" | 2.31/91" | 2.31/91" | 2.23/88" |
| Discharge height m./Inch. | 0.87/34" | 0.92/38" | 0.92/38" | 1.04/41" |
| Net weight kg./Lbs. | 11.950/26,340 | 14.500/31,970 | 15.600/34,390 | 17.400/38,360 |
| Maximum load kg./Lbs. | 9.800/21,610 | 15.500/34,170** | 14.400/31,750 | 14.600/32,190 |
| Number of knives per auger | 7 | 7 | 7 | 7 |
| Power requirement PTO HP | 95/130 | 130/177 | 140/191 | 150/204 |
| Tires | 435/50 R 19.5 (4x) | 275/70 R 22.5 (8x) | | 435/50 R 19.5 (6x) |
| Required tractor capacity | 20 l/Min., 170 Bar/5 gallons/min 2,500 psi | | | |
| Required tractor hydraulics | 2 double acting valves | | | |

* Customization is available on some machines upon request ** For road transport total weight (max. load and net weight) should not exceed 48,500 Lbs

| Model | 3000 ZK T | 3600 ZK T | 4000 L ZK T | 4600 ZK Tr |
|-------------------------------|---------------------------------------------|--------------------|------------------|--------------------|
| Discharge | Two side discharge doors on right hand side | | | |
| Capacity cu.ft. | 30/1,060 | 36/1,285 | 40/1,415 | 46/1,650 |
| Overall length m./Inch. | 9.17/361" | 9.30/366" | 9.98/393" | 10.21/402" |
| Overall width m./Inch. | 2.44/96" | 2.66/105" | 2.97/117" | 2.97/117" |
| Overall height* m./Inch. | 3.25/128" | 3.30/130" | 3.20/126" | 3.49/137" |
| Width outside wheels m./Inch. | 2.05/81" | 2.31/91" | 2.31/91" | 2.24/88" |
| Discharge height** m./Inch. | 1.05/41" | 1.07/42" | 1.07/42" | 1.08/43" |
| Net weight kg./Lbs. | 11.600/25,570 | 13.000/28,860 | 14.100/31,080 | 15.900/35,050 |
| Maximum load kg./Lbs. | 10.400/22,930 | 17.000/37,480*** | 15.900/35,050*** | 16.100/35,490 |
| Number of knives per auger | 7 | 7 | 7 | 9 |
| Power requirement PTO HP | 95/130 | 130/177 | 140/191 | 150/204 |
| Tires | 435/50 R 19.5 (4x) | 275/70 R 22.5 (8x) | | 435/50 R 19.5 (6x) |
| Required tractor capacity | 20 l/Min., 170 Bar/5 gallons/min 2,500 psi | | | |
| Required tractor hydraulics | 2 double acting valves | | | |

* Customization is available on some machines upon request ** Without slide *** For road transport total weight (max. load and net weight) should not exceed 48,500 Lbs

Accessories...

Digi-Star Weighing system (Indicator 2400 V), Three shift power gearbox, Electric operation, Hydraulic operation of 2 restrictor blades, Hydraulic jack, Lighting set, Off set clevis for 3000-4000 L, Auger knife TC coating, Oil cooling system for continuous use, Magnet kit, Discharge belt conveyor (incl. lift cylinder), Discharge chain conveyor (incl. lift cylinder), Hay ring, Pivoting discharge chute, Cross conveyor belt (L=91") instead of 114", Side-shift for Cross conveyor belt (18" displacement).

Standard features...

The Solomix 3000-4600 models VLB and VLK are standard equipped with Unique three auger drive system, Hand jack, Adjustable low drawbar with clevis, 1,000 RPM wide angle constant velocity PTO shaft with shearbolt (3000) or with overload clutch (3600-4600) (standard 1 3/4"-20 splines), Two manual restrictor blades, Seven-nine hardened auger knives, Walking tandem axle (3000-4000 L), Tridem axles with forced steering (4600) and steering head, 1,000 RPM speed reduction gearbox standard, Hydraulic brake system, 114" long cross conveyor belt for right- or left-hand distribution at front (model VLB), 114" long chain conveyor with heavy duty chain for single side distribution (model VLK), Three Heavy Duty planetary drives, To be connected to tractor hydraulics, Wear rim, Pre-mix door without activation kit standard.

The Solomix 3000-4600 models ZK Tr is similar to the VLB/VLK, but with Walking tandem axle (3000-4000 L), Tridem axles with forced steering (4600) and steering head and two large side doors on right hand side (front and rear).

Trioliet reserves the right to make changes in design and specifications, or to add new features without obligation on implements before or after such changes are made.



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