

SILOKING



TruckLine

eTruck 2012



100 % electric feed mixer

Living the future now

Future-oriented feeding with innovative e.0 technology

SILOKING Mayer Maschinenbau GmbH is one of the world's leading manufacturers of innovative feeding technology. Headquartered in Tittmoning and with an additional production site in Slovakia, the company develops and produces high-quality agricultural machinery 'Made in Germany' with around 480 employees. As a family business, SILOKING attaches great importance to quality and utilises production processes in accordance with industrial standards in its production facilities. SILOKING has a strong international presence and sells its machines in over 50 countries.

simply | intelligent | feeding

All of SILOKING's considerations refer to "simply | intelligent | feeding" – focusing on the requirements of the cow and the farmer, finding solutions and implementing them.

SILOKING's innovations are based on intensive research, the expertise of experienced developers and intensive test phases on farms. The focus is always on the requirements of tomorrow's modern agriculture – first-class feed quality is just as important as the efficiency, performance and reliability of the machine.



TruckLine e.0 in detail



Mixing

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Turbo auger, hopper



Drive

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Economic efficiency

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TruckLine e.0

eTruck 2012

Innovative e.0 technology with 100 % electric drive for traction and mixing, combined with tried and tested SILOKING Components.

The eTruck is a self-propelled feed mixer that is filled via a loading vehicle. It is used for mixing, transporting and discharging feed. Easy and intuitive use as well as minimal maintenance effort and costs make the machine a simple thing.

The solution for future-oriented farms

- ▶ Charging with green power from biogas, photovoltaics and wind energy using advanced battery technology
- ▶ To replace the tractor with a trailed feed mixer
- ▶ Saving fossil diesel fuel
- ▶ Ideal for farms with existing loading technology



eTruck 2012

12 - 20 m³

e.0 – the right concept at the right time



100 % electric

Easy use of self-generated power



100 % planning is possible

Feeding at the same time every day



100 % silent

For good neighbourhood



100 % emission-free

No exhaust gases for animals & humans



100 % comfortable

Proven **SelfLine** cabin concept



100 % reliable

Proven components from applications in electronic industry and tried & tested SILOKING Mixing technology



TruckLine e.0

100 % electric self-propelled feed mixers
from 12 m³ to 20 m³



Proven SILOKING Mixing unit



Auger speeds

- ▶ Mixing: 17 rpm & 40 rpm
- ▶ Residual emptying: 55 rpm

100 % homogeneous mix

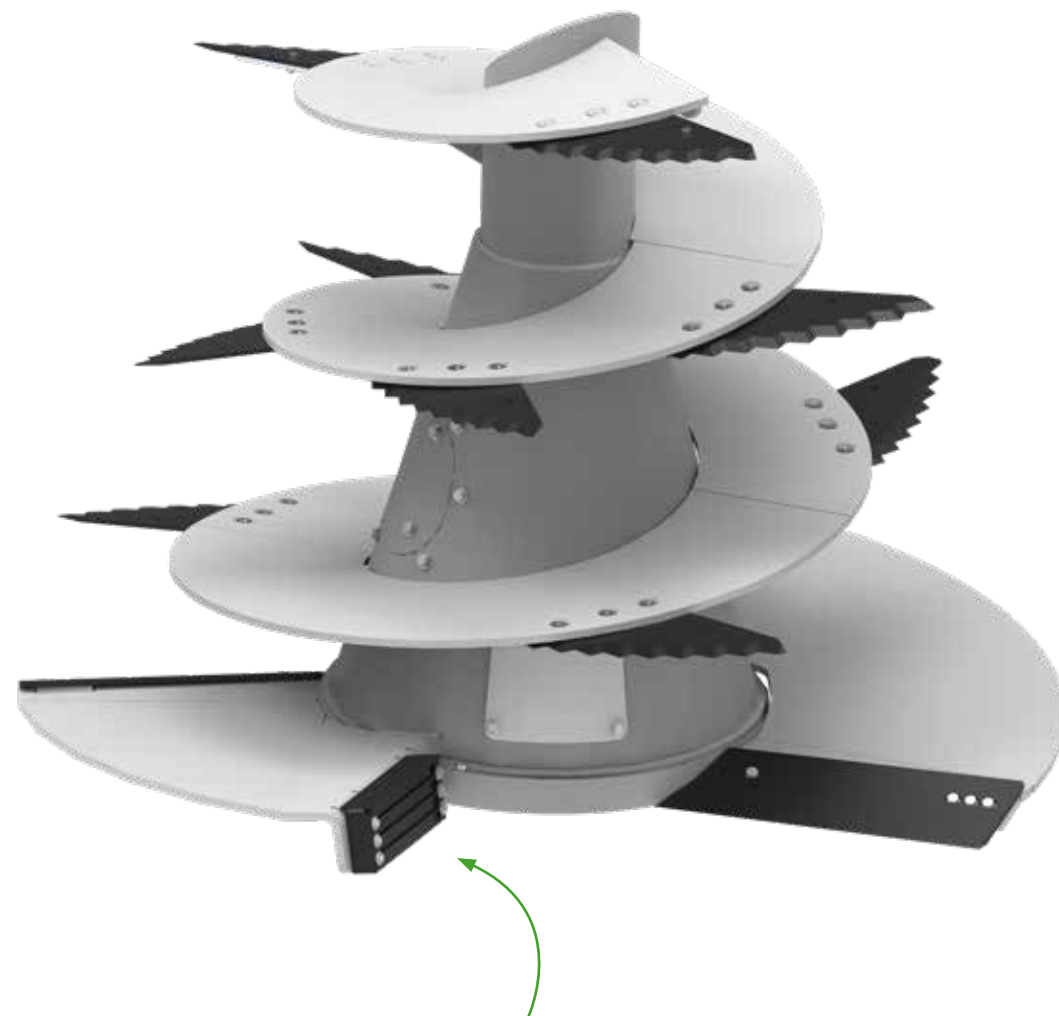
The size of the mixing hopper and the mixing auger is of great importance for a homogeneous mix. In order to achieve short mixing times and optimal preservation of the feed structure, every model has its own hopper that is carefully designed in accordance with the required shape, height and width. The size of the turbo auger is optimally matched to the hopper dimensions.

Feed in perfect motion

The edged hopper slows down the feed in its circular movement and supports vertical mixing even with low filling levels. This not only achieves rations that are always homogeneous and structure-gentle, but also serves to optimize mixing times, thereby saving much time and electricity costs as a constant “stirring” of materials can be avoided. A straw ring is mounted as standard.

The turbo auger – a SILOKING performance plus

A big auger with low speed preserves the structure and reduces wear. The shape of the turbo auger is the result of years of experience and extensive test series. The optimal lead offers optimal mixing characteristics and reduced power requirement. It rotates at a speed that can be described as gentle in spite of moving a high quantity of feed inside the mix with every rotation.



Heavy-duty neodymium magnet – reliably removes foreign materials from the feed.



Individual drive concept for maximum power



Individual drive system

The individual drive concept of the SILOKING eTruck 2012 is the key to ultimate performance. Each wheel and each mixing auger is equipped with its own motor for maximum power and efficiency. Thanks to this innovative technology, the SILOKING eTruck 2012 offers outstanding performance and tackles inclines with ease.

Drive system

- ▶ Total power 80 kW*
- ▶ One motor per wheel
- ▶ Best traction



Dual motor for the drive system

Reliable rear design from the SelfLine Compact & Premium models

- ▶ Full hydraulic suspension
- ▶ Each wheel features an independent suspension



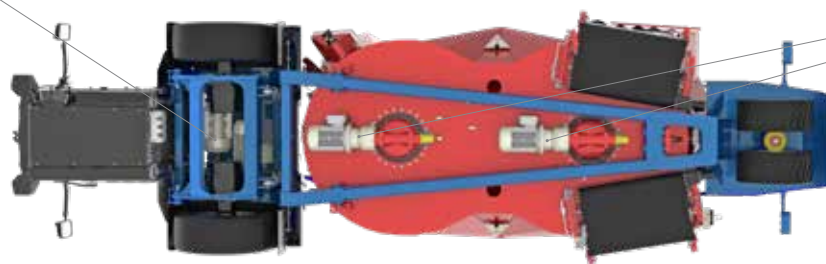
Hydraulic suspension at the front and rear

Mixing drive

- ▶ Total power 80 kW*
- ▶ One motor per auger
- ▶ For rations $\leq 450 \text{ kg / m}^3$



Powerful motor for each auger



3-point chassis

With its 3-point chassis based on the concept of the SILOKING **SelfLine** proven over 2,500 times, the SILOKING eTruck is highly manoeuvrable and compact. Thanks to its 3-point design, the robust square-bar frame is torsion-resistant and ensures long life and exact weighing of feed components. For particularly narrow feed tables, two-sided feed discharge is possible – guaranteed without rolling over the feed.



* S2 - 2 minutes



The high-performance battery pack with LiFePO_4 technology



The SILOKING **TruckLine** e.0 eTruck 2012 is equipped with a high-quality battery. Behind this technology is a lithium iron phosphate battery pack that is one of the best and most powerful on the market.



Fast Charging

The built-in batteries utilise the safest technology available on the market and are more powerful than conventional vehicle batteries.



Fast Charging

With the 22 kW fast-charge function, you can get going in no time at all - lightning-fast charging without long waiting times.



Environment

LiFePO₄ is the better choice compared to other technologies. Using your own electricity makes operation even more sustainable.



Long-lasting Power

Long service life with up to 5,000 full charge cycles

Technical data

Lithium-ion battery (LiFePO₄)

- ▶ 96 volt

Battery charging

- ▶ Charging power: Standard: 11 kW, Optional: 22 kW (fast charging in ≤ 6 hours)
- ▶ Battery capacity sufficient for 2 – 4 full mixings
- ▶ Can be charged with any common wallbox

Lifespan

- ▶ Up to 5,000 full charge cycles

Operating temperature

- ▶ - 20 °C to + 40 °C
- ▶ Safe to use at low temperatures

Maintenance

- ▶ Very low maintenance work

Safety

- ▶ The safest battery technology on the market

Intuitive maintenance and charging





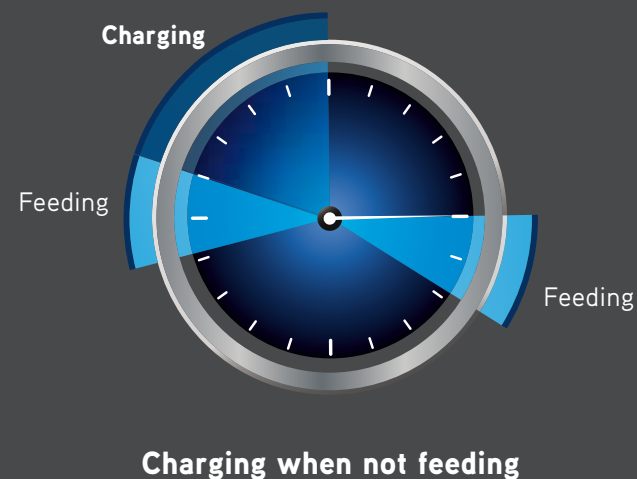
Charging in your “free” time

The fact that planning is possible 100% plays to its advantage here. As feeding is always done at fixed times, the machine can be connected to electricity outside feeding times. Charging is possible via a simple connector at any place. Simply open the flap, connect the machine to the charger, and maintenance is finished.

Feeding can be planned!



Type 2 connector



Smooth hydraulics

The hydraulic oil must be changed only every 1,000 operating hours or once a year. For the steering unit, the discharge door, and other optional functions, 40 liters of oil are required per oil change. Thanks to the use of standard oils, maintenance costs are further reduced.



A first-class workplace

The emission-free and silent machine benefits animals and farmers. Noiseless feeding reduces the stress of the cows and therefore increases their well-being.

The perfect environment for efficient working

Welcome to the driver's "workroom"! The unobstructed view to the sides, along with the standard driver's seat with air suspension, ensures the highest level of driving comfort. The multifunctional armrest also maximizes legroom despite the compact design of the entire machine.

The forward-inclined windscreen reduces soiling and provides a comfortable feeling of space. The air-flow for heating or air conditioning can be perfectly controlled and automatically adjusted via the terminal. Professionally equipped with first-class workmanship, the cab offers the best noise insulation. And with the three-way adjustable steering column, working with the eTruck is simply fun!

- ▶ Large-space cab with excellent all-round visibility
- ▶ Seat with air suspension and ergonomically optimized multifunctional armrest
- ▶ Intuitive button and joystick control assignment
- ▶ Three-way adjustable steering column
- ▶ Large wipers





SILOKING Data & Feeding Management



SILOKING Data weighing system

For daily use in cattle feeding. Specially adapted to SILOKING Feed mixing technology

- ▶ Loading exactly to the kilogram thanks to standard programmable weighing system.
- ▶ Easy to use and intelligent details
- ▶ Programmable weighing system can also be used as adding weighing system



SILOKING Feeding Management Software

Complete control and overview of animal feeding thanks to precise ration planning

- ▶ Precise ration planning
- ▶ Evaluation of feeding data and digital documentation
- ▶ Online-based and free of charge



SILOKING Assistance systems



e. g. **Mixing without driver**

mixing augers stop automatically after a preset time

e. g. **speed limiter**

for infinitely variable forward speed



Success through efficiency

VS



Know the feeding costs of the farm

The profitability calculator makes it possible to calculate the feeding costs for the farm and compare two different feed mixers: a classic trailed feed mixer wagon (SILOKING **TrailedLine**) with a diesel-powered tractor and the 100% electric self-propelled wagon (SILOKING eTruck).

Essential for economic activity

Feeding costs are a decisive factor for the economic success of a farm. The calculator can be used to determine exactly how the choice of feed mixer wagon affects your own costs. The tool therefore helps you make informed decisions.



Scan QR code for 100 % free profitability calculator

<https://www.moeller-agrarmarketing.de/futtermischwagen-check-kostenfrei-herunterladen/>



Discharge options

- ▶ Discharge door
- ▶ Conveyor belt/chain
- ▶ Bedding belt



Bedding belt

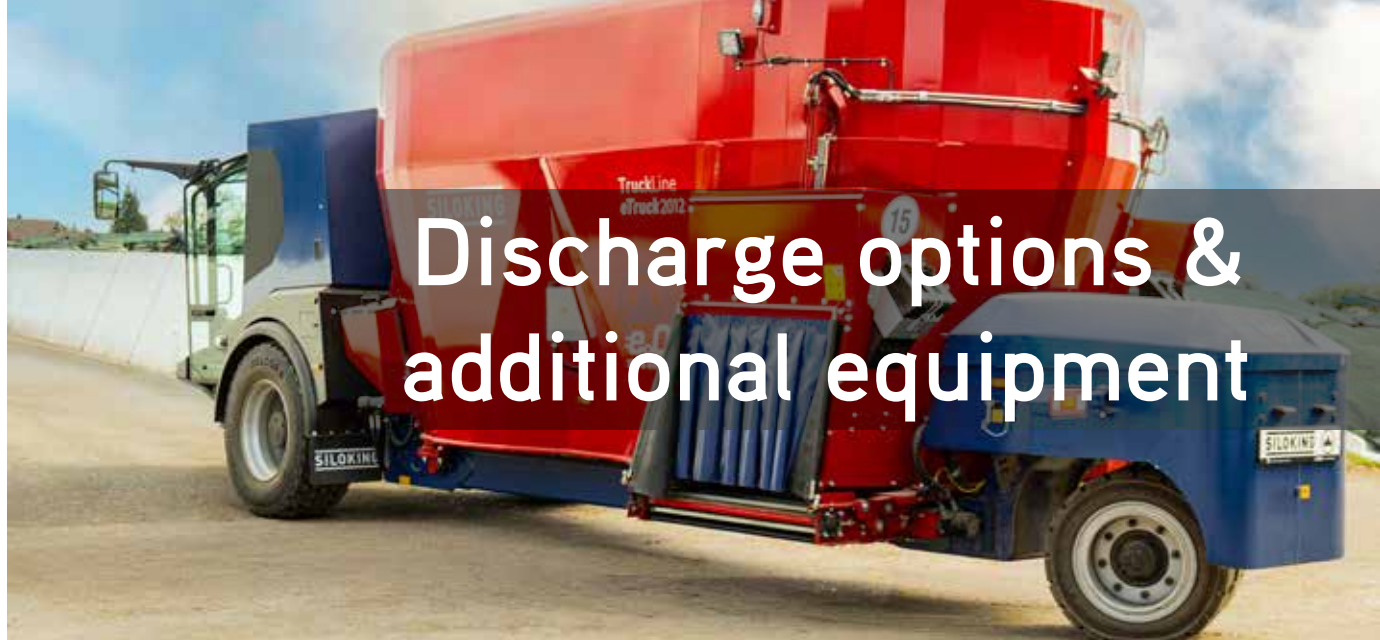


Conveyor chain



Additional equipment

- ▶ Additional discharge doors
- ▶ Mineral feed filling funnel
- ▶ Hydraulic counter-blades
- ▶ Heavy-duty magnet on the turbo auger
- ▶ Terminal for SILOKING Data
- ▶ SILONOX Wear protection
- ▶ Automatic climate control



Discharge options & additional equipment



Technical specifications

Modell		eTruck 2012-12	eTruck 2012-16	eTruck 2012-18	eTruck 2012-20
A Length	mm	7.150	8.550	8.550	8.550
B Width	mm	2.550	2.400	2.400	2.400
C Height	mm	2.800	2.500	2.750	2.950
D Distance front axle - rear axle	mm	4.020	5.420	5.420	5.420
Mixing drive	kW	40	80	80	80
Traction drive	kW	80	80	80	80
Outer width of tyres	mm	2.300	2.300	2.300	2.300
Outer turning radius	mm	5.500	7.000	7.000	7.000
Turbo augers		1	2	2	2
Auger windings		2,5	2,5	3	3
Adjustable XS knives		7	14	16	16
Volume	m ³	12	16	18	20
Turbo auger speed	U/min ⁻¹	17 / 40 / 55	17 / 40 / 55	17 / 40 / 55	17 / 40 / 55
Empty weight of basic machine	kg	9.100	10.550	10.650	10.750
max. total weight (in D) 15 km/h	kg		18.000	18.000	18.000





Top partnership for maximum success



SILOKING Service and spare parts

- ▶ 24-h availability / 7-day week
- ▶ Area-wide and quick service



Service Partner

- ▶ Audited by SILOKING
- ▶ Trained know-how
- ▶ High parts availability on site

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Illustrations may include special equipment, subject to errors and modifications.

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