

TRIOTRAC



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Self-propelled
mixer feeder
Model 1700-2000-2400

Trioliet: Invents for you.

 **TRIO LIET**
FEEDING TECHNOLOGY



High precision feeding

The Triotrac self-propelled mixer feeder is extremely well suited to larger dairy or cattle farms who are looking for a high-precision, efficient method of feeding. In addition to its many configurable options, the major benefits offered by the Triotrac include: feed structure stays intact during loading, low power requirement by cutting-loading system, very high loading capacity, particularly when loading (tough) silage and round bales, high loading accuracy, perfect view on the cutting process, very easy to use and easy to service.





The loading system

The loading system consists of a cutting frame with a fixed and a moving knife. The integrated transport-roller throws the cut material on a wide, in speed adjustable conveyor belt. The cutting-loading system has a huge loading capacity, preserves the structure of the feed, and saves considerably on fuel in comparison to a milling cutter. It leaves behind a smooth and tight silo face, preventing any chance of heating. The system is capable of loading all types of feed very quickly and accurately, including (large) round and square bales.





The mixer feeder system

The mixer feeder is equipped with Trioliet's well-known two-auger system with integrated horizontal flow system. Special offset inserts between the mixing augers ensure rapid mixing in the horizontal direction. A cross conveyor at the front of the mixing chamber can be used to discharge the feed on the left or right side. Available discharge options include: additional ZK discharge doors to the rear right and/or left, or a premix discharge door to the rear centre.

Both the discharge volume and discharge distance are fully adjustable and can be configured precisely. The hydrostatic drive mechanism features a working mode (0-20 km/h) and a transport mode (0-40 km/h). Both the front steering axle and the hydrostatic driven rear axle feature suspension for optimum comfort. Optional extras include 4-wheel steering and 4-wheel drive. The electronic weighing system can be supplied with an optional software package, which can be used in combination with feed management programs for full control of feed costs.



Optimum cutting performance with minimum effort

The strong Trioform auger knives offer high wear resistance. Trioliet has a patent on the shape of the auger knives. These are shaped so that the knives are mounted in the best possible position, i.e. horizontal, in relation to the auger section. This ensures optimum cutting performance with minimum effort, which saves on fuel. The knives are self-sharpening and have a long life.



The details make the difference

The height of the cabin can be adjusted hydraulically to ensure the best possible view of the work process. The 129 kW diesel engine is mounted on a special rail, which allows any essential maintenance to be carried out quickly and easily.

Type Triotrac	1700	2000	2400
Capacity m ³	17	20	24
Overall length m	9.36	9.82	9.92
Width m	2.45	2.45	2.45
Overall height m	2.85	2.85	3.20
Width outside wheels m	2.35	2.35	2.35
Distance between axles (front-rear) m	4.26	4.51	4.51
Max. cutting height m	5.10	5.10	5.10
Cutting width m	1.85	1.85	1.85
Cutting depth m	0.30	0.30	0.30
Discharge height m	0.90	0.90	0.90
Net weight kg	13.000	14.000	14.500
Maximum load kg	6.200	6.200	6.200
Outside turning radius single forced axle m	9.60	10.00	10.00
Outside turning 4-W forced axle m	6.00	6.40	6.50
Engine capacity (6-cil.) [on 1800 Rpm] kW	129	129	129
Max. speed in low gear km/h	0-20	0-20	0-20
Max. slope in low speed %	30	30	30
Max. speed in high gear km/h	0-40	0-40	0-40
Max. slope in high speed %	9	9	9
Tyre size	435/50 R 19.5 (4 x)		
Dieseltank capacity ltr.	180		

Standard design

The Triotrac is equipped as standard with a optimally formed mixing chamber with two hydraulically driven vertical Twin Stream augers with variable speed, a 1.85 metre/ 6' wide U-shaped cutting frame with an integrated transport roller, a 1.85 metre/ 6' wide belt conveyor with variable speed regulation, a cross belt conveyor for discharging in front of the mixing chamber for VL models, a hydrostatic drive with front wheel steering and rear wheel drive, a hydraulic suspension on front axle and a parabola sprung suspension on rear axle, an in height adjustable cabin with ventilation window on the left, climate control (heating) and radio, a Deere Power Systems 6 cylinder Common-rail diesel engine with 129 kW, a programmable weighing system (Triotronic 3600 V), a Clean fix automatic engine cooler, a lighting

set for road transport, work lights all around, a screen wiper on front and rear screen, a reserve camera, a reverse alarm signal, mirror heating, cruise control and Trioform auger knives.

Accessories

4-wheel drive, 4-wheel steering, airconditioning, hydraulic operation of counter knives, programmable weight indicator with data transfer and feed management program, 205 hp (150 kW) diesel engine instead of 175 hp (129 kW), window wiper on right side, electrically adjustable mirrors, flashing light on cabin, second camera to rear in mixing chamber, separate camera system, stand heater for cabin, 2 additional ZK discharge doors to rear right and left, a premix discharge door to rear centre or an extra 135 litre/ 36 gallon fuel tank.



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