



ROUTERMIX MVS

SINGLE-AUGER VERTICAL SELF-PROPELLED MIXER

ROUTERMIX MVS-H

The self-propelled mixer MVS "ROUTERMIX-H" is a machine designed to meet the needs of medium-sized farms but with the advantages of machines designed to work 8-10 hours per day with maximum comfort and efficiency. The engine located in the rear of the machine allows greater visibility from the cabin, placing the driver much further from the source of noise and making his job much more comfortable. Optional 4-wheel steering and 4-wheel drive make the ROUTERMIX-H a very manageable machine capable of manoeuvring in the most unfavourable conditions.



* Data and descriptions are for information purpose only. TATOMA reserves the right to modify the design or specifications with no prior notice.



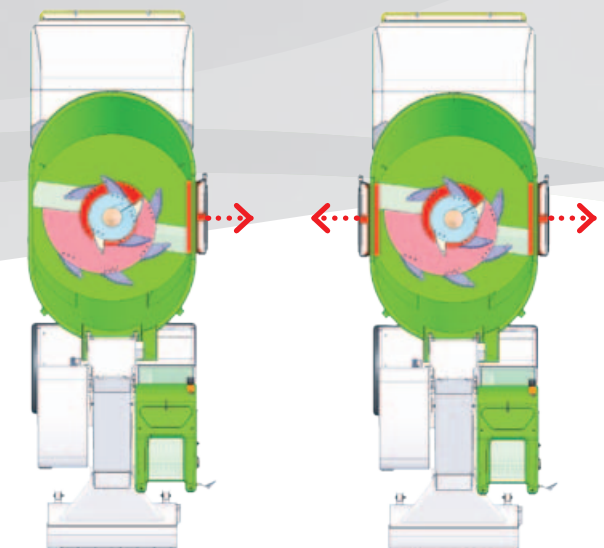
cabin

The large hinged cabin door allows easy access to a roomy interior and a comfortable working environment with an air suspension seat. The extensive glass surface and the driver's position allow this optimal control of all machine functions and seamless access to all its controls and indicators. A Joystick is used for most of the controls enabling comfortable and precise handling of the loading system, as well as moving the machine forward and unloading it. The cabin is manufactured in steel with anti-corrosion chemical treatment.



suspension

The self-propelled mixer ROUTERMIX-H is equipped with leaf spring suspension on the front and rear axle to ensure safe, comfortable driving on even the most rugged terrain (optional hydraulic suspension).



unloading

Through the side door on the flat part of tub with a folding tray. Optionally, the machine can be equipped with two side doors for the simultaneous distribution of the mixture on both sides.

ROUTERMIX MVS-HV

The self-propelled ROUTERMIX-HV mixer is the ideal machine for the road and is particularly suitable for farms spread over different locations. With a speed of 40 Km / h driving is not only comfortable but safe. The front hydraulic suspension with automatic levelling allows you to select between "road mode" and "off-road mode". The machine is also equipped with leaf spring rear suspension, ensuring maximum comfort and reliability when manoeuvring. A service brake is fitted on both axles. The machine's PLC system can control parameters such as the speed of the mixer, speed of the loading conveyor, fuel consumption, and especially cutter speed which allow the operator to adjust cutting speed to the requirements of the specific product being loaded. The machine comes complete with an air suspension seat for maximum comfort and electronic control of all engine parameters, making this machine truly unique.



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cabin

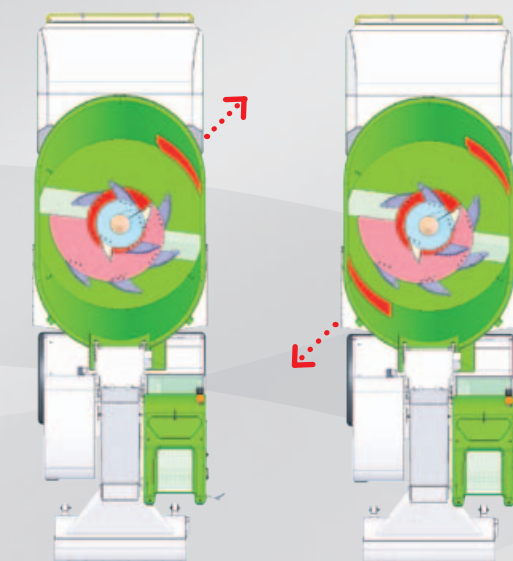
The careful design of the cabin offers excellent visibility both laterally and vertically ensuring perfect control over all cutter movement and the loading system. The multifunction "joystick" mounted on the right side of the seat allows the main functions of the machine to be operated; advancing, loading and unloading. All information on the functions of the machine and the engine parameters are grouped together on a monitor where aspects such as hydraulic oil temperature, mixer cutting pressure, hydraulic oil level, breakdown lights, etc can be monitored.



suspension

The special design of the hydraulic suspension on the front axle is based on a Parallel arm system on the front axle and hydraulic cylinders with ± 75 mm stroke connected by crossing chambers together with nitrogen bladder type accumulators., achieving on the one hand a spring - shock absorber system for each wheel and on the other the effect of a stabilizer bar that prevents the lateral rolling of the elements on the front suspension. This system allows automatic levelling and the possibility of choosing between "road mode" and "off-road mode".

This design feature received the TECHNICAL INNOVATION AWARD 2012 at the FIMA 2012 international show in Zaragoza (Spain).



unloading

Unloading through a side door on the curved part of the tub by a moving belt positioned below the tub. The belt is able to move 200mm to adjust the discharge to different locations without modifying the path of the machine. Optionally the machine can be equipped with two side doors with their corresponding belt to distribute to both sides at the same time.



standard equipment

With over 30 years of experience in the manufacture of ruminant feeding systems, TATOMA is highly aware of the importance of developing a good mix and is fully convinced of the advantages of the "TMR-UNIFEED" as a feeding technique able to provide livestock with nutrition which is balanced yet palatable.

The ROUTERMIX self-propelled mixer has been carefully designed to meet the operational requirements of medium-sized farms or farms that spread out over different locations within a certain distance between them. The weight distribution of this self-propelled machine and the chassis structure ensures it handles exceptionally well on the road.



An inward sloping cabin prevents dust from accumulating on the top and ensures perfect visibility throughout the loading process. The partially glazed roof enables the cutter to be monitored when at its highest position.



engine

The engine's location at the rear of the machine ensures enhanced cooling while isolating it from contact with the dust and debris generated by silage during loading operations.

The engine is protected by a metal structure with three doors which allow easy access for maintenance work. Transfer, loading and mixing services on the engine are separated by independent pumps so that in the event of failure of any one of them the other two circuits are not affected and can continue working.





Loading belt



Cutter support

cutter

The loading system consists of a 2 m long cutter with a 90 hp motor (dual motor option) for high performance. Thanks to the careful distribution of the blades in a spiral along the cutter, maximum efficiency during loading is achieved for all products including long fibre ones. The rotation direction of the cutter can be reversed by two pedals in the cab, allowing the operator to choose the most ideal mode depending on the product being worked with. Loading is carried out through a system of Polyethylene chains and crossbars (rubber belt option available) thus ensuring rapid loading and a constant flow which fills the mixing tub in minutes.

All our self-propelled machines are equipped with a pressure switch safety system, so that when the cutter is descending and it encounters something that produces an excessive demand in pressure, the loading system stops its descent and waits until this overpressure has been corrected before continuing its descent. This will prevent unnecessary damage and breakage.



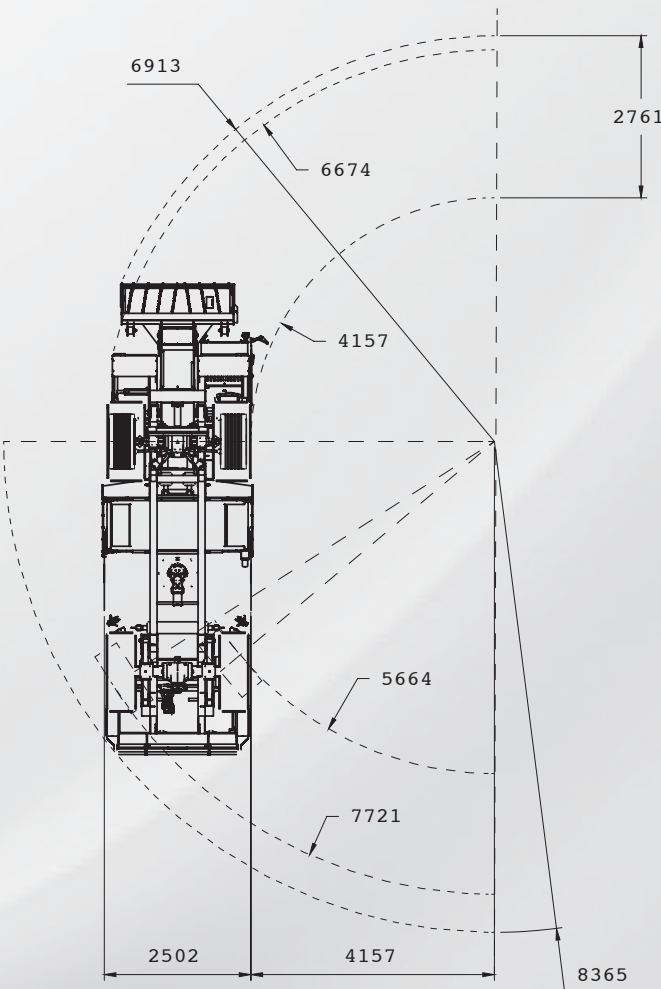
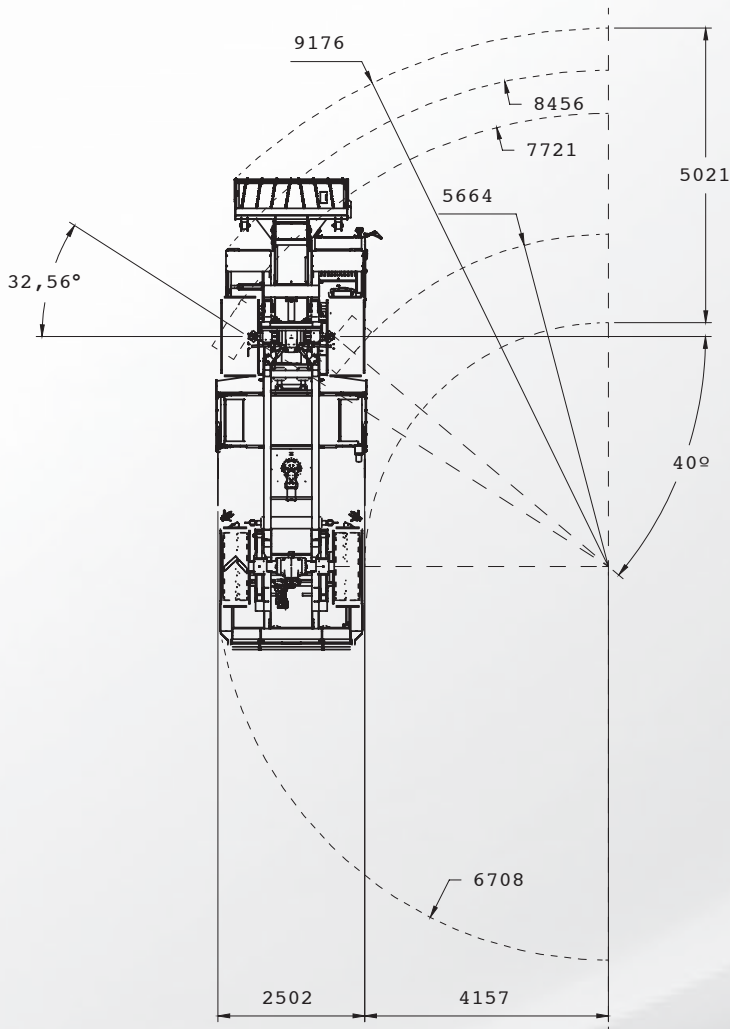
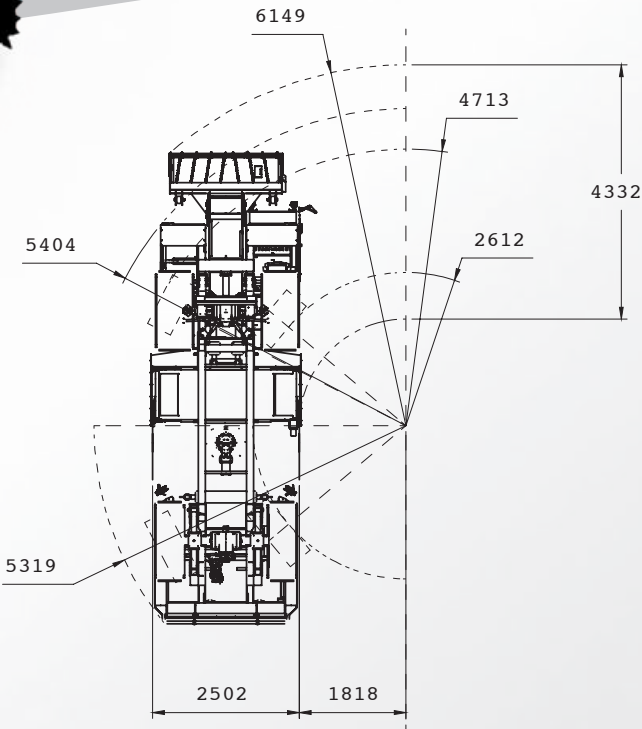
auger

The TATOMA vertical mixing system deals efficiently with all materials whatever the format and dimensions of the product. Thanks to the carefully designed shape of both the conical tub and the auger, optimal results are achieved in terms of quality of the mixture while achieving maximum efficiency in the process and as a result shorter mixing time. Furthermore the transmission system with its angular reducer provides rotary motion to the auger delivering a carefully chopped product and a perfect mix with minimal power consumption.



drive

Optional steering on all 4 wheels enables the direction of each axle to be selected separately or both axles simultaneously. This enhanced manoeuvrability ensures that the machine can do its job regardless of how complicated the access is. This option along with 4-wheel drive assures maximum efficiency when conditions so require.



optional equipment

OPTIONS	ROUTERMIX MVS-H			ROUTERMIX MVS-HV		
	MVS-12-H	MVS-14-H	MVS-16-H	MVS-12-HV	MVS-14-HV	MVS-16-HV
Magnet (125 m³/h)	•	•	•	•	•	•
Air conditioned	•	•	•	•	•	•
Air conditioned+ climatizer	•	•	•	•	•	•
Electrically heated rearview	•	•	•	•	•	•
Electrically heated and adjusted rearview	•	•	•	•	•	•
Sliding left rearview	•	•	•	•	•	•
Working light	•	•	•	•	•	•
LED Technologi working light	•	•	•	•	•	•
Documments and equiplent to be register	•	•	•	•	•	•
Sweeper	•	•	•	•	•	•
Silo cutter support	•	•	•	•	•	•
Nitrogen suspension for the silocutter	•	•	•	•	•	•
175 HP reversible fan	•	•	•	•	•	•
238 HP reversible fan	•	•	•	•	•	•
Automatic greassing system	•	•	•	•	•	•
Manual greassing system	•	•	•	•	•	•
Bigger engine 175 to 238 HP IVECO	•	•	•	•	•	•
Front hydraulic suspension	•	•	•	•	•	•
TFT color 7"double video camera	•	•	•	•	•	•
Extreme temperature Kit (-20°C). Hydraulic oil heater and engine	•	•	•	•	•	•
Differential bloking (ONLY 4x4)	•	•	•	•	•	•
Two steering axle (4SW) 4 wheels 445/45-19,5	•	•	•	•	•	•
4 wheels drive (4WD) 4 wheels 445/45-19,5	•	•	•	•	•	•
Two steering axle and 4 wheels drive (4WD x 4SD) 4 wheels 445/45-19,5	•	•	•	•	•	•
RADIO-CD Bluetooth phone	•	•	•	•	•	•
2 Hydraulic restrictor knives	•	•	•	•	•	•
4 Hydraulic restrictor knives	•	•	•	•	•	•
With no silo cutter neither loading conveyor	•	•	•	•	•	•
Extra door in flat side (tray included)	•	•	•	•	•	•
Loading conveyor made on rubber	•	•	•	•	•	•
Curved door + Sliding belt underneath the mixing tank (200 mm)	•	•	•	•	•	•
AISI 304 Stainless steel augers	•	•	•	•	•	•
Stainless steel silo cutter	•	•	•	•	•	•
Stainless steel mixing tank covering (1500 mm high)	•	•	•	•	•	•

• Option available
• Option not available



Camera



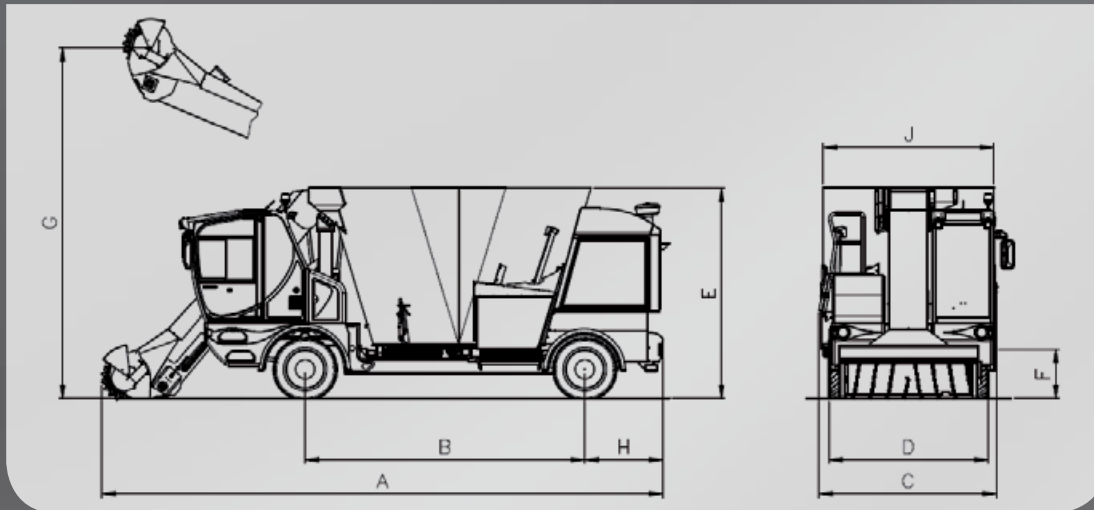
Retaining shredders



Centralized lubrication

SINGLE-AUGER VERTICAL SELF-PROPELLED MIXER “ROUTERMIX” MVS

	DIMENSIONS (mm)	MVS-12-H	MVS-14-H	MVS-16-H
A	TOTAL LENGTH	7900	7900	8350
B	DISTANCE BETWEEN AXLES	4100	4100	4100
C	OUTER WIDTH	2550	2550	2550
D	OUTER WIDTH WHEELS	2380	2380	2380
E	OVERALL HEIGHT	2800	2900	3100
F	UNLOADING HEIGHT	600	600	600
G	CUTTER MAXIMUM HEIGHT	5000	5100	5100
H	REAR OVERHANG	1150	1150	1150
	VOLUME (m³)	12	14	16
	EMPTY WEIGHT (Kg.)	12200	12600	13000



	ROUTERMIX-H	ROUTERMIX-HV
TUB MIXER	12, 14 or 16 m³, depending on model. Mixing system with a single heavy duty vertical auger and interchangeable resistant knives. Driven by a variable flow pump and piston engine. Adjustable mixing speed.	12, 14 or 16 m³, depending on model. Mixing system with a single heavy duty vertical auger and interchangeable resistant knives. Driven by a variable flow pump and piston engine. Adjustable mixing speed.
CUTTER	90 hp, adjustable speed motor. Width 2000 mm. Manually driven lowering adjustment in the control panel, lowering cut-out by pressure switch depending on the working pressure of the cutter. Driven by a variable flow pump and orbital motors.	90 hp, adjustable speed motor. Width 2000 mm. Electrically driven lowering adjustment in the control panel, lowering cut-out by pressure switch depending on the working pressure of the cutter. Driven by a variable flow pump and orbital motors.
LOADING BELT	Polyethylene chain and cross pieces.	Polyethylene chain and cross pieces.
UNLOADING BELTS	By flat side door with discharge tray.	By the curved side door with moveable carbon steel belt.
WEIGHSCALE	Programmable 20 recipes x 20 Ingredients.	Programmable, 99 recipes x 20 ingredients x 10 discharges, modem output.
ENGINE	Diesel, FPR (IVECO), 129 kW, 2200 rpm, rear.	Diesel, FPR (IVECO), 175 kW, 2200 rpm, rear.
FUEL TANK	160 litres.	250 litres.
TRANSMISSION	Hydrostatic closed circuit. Driven by a variable flow pump and piston motor.	Hydrostatic closed circuit. Driven by a variable flow pump and piston motor.
AXLES	Two, front drive and steering. Four wheels 445/45R19.5	Two, front steering, rear drive. Front wheels 445/45R19.5, rear wheels 445/65R22.5
SUSPENSION	Front and rear leaf springs.	Front Hydraulic. Road and off-road modes. Automatic levelling. Rear leaf springs.
STEERING	Hydraulic servo. Maximum turning angle of 40°	Hydraulic servo. Maximum turning angle of 40°
BRAKES	Service, parking and emergency on rear axle. In 40 km/h option, service brake rear also on rear axle.	Service on both axles. Service and emergency on rear axle.
HYDRAULIC AND ELECTRICAL	Circuits designed to work in harsh environmental conditions. Compliant with European machines safety and electromagnetic compatibility regulations. Located behind the cab.	Circuits designed to work in harsh environmental conditions. Compliant with European machines safety and electromagnetic compatibility regulations. Located behind the cab.
CABIN	One-seater. Manufactured in steel with anti-corrosion chemical treatment. Optimal visibility of the environment (inward sloping windshield). Swing door. Safety glass.	One-seater. Manufactured in steel with anti-corrosion chemical treatment. Optimal visibility of the environment (inward sloping windshield). Swing door. Safety glass.
CONTROL SYSTEM	Multifunction joystick, buttons and indicators (reducer oil temperature, hydraulic oil temperature, mixer pressure, cutter pressure, hydraulic oil level, breakdown lights...)	PLC electronics. Multifunction joystick to control the forward movement, loading and unloading. Digital display for viewing all machine parameters (hydraulic oil temperature, mixer pressure, cutter pressure, hydraulic oil level, breakdown lights ...)
EQUIPMENT	Two spotlights front and two rear, air suspension seat, fire extinguisher, water heating, radio CD.	Two spotlights front and two rear, air suspension seat, fire extinguisher, water heating, radio CD, tool box, step ladder with platform.
PERFORMANCE	Movement speed 0-15 km/h (25 km/h and 40 km/h option).	Movement speed 0-40 km/h.



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DEALER

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