

SINGLE-AUGER HORIZONTAL SELF-PROPELLED MIXER

“MASTER” MMS



TATOMA
GRUPO

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“MASTER” MMS

The self-propelled mixer MMS “MASTER” has been designed in response to the demand for more a reliable and uniform horizontal mixing system based on a self-propelled machine. The result is a machine designed to provide manoeuvrability while being efficient and easy to use. With all the advantages of the horizontal system regards the quality of the mixture, its dimensions allow access to low rise buildings, the possibility of four-wheel steering and four-wheel drive. This machine versatility truly gives it the edge with regards its competitors. The single-auger concept minimizes moving parts, reducing the breakdown risk thus facilitating maintenance tasks.



The mixer is fitted with leaf spring front suspension as standard that ensures maximum operator comfort on rough terrain; leaf spring suspension can also be fitted on the rear axle as an option.



PATENTED

The non-continuous auger mixing system using hollow spirals in the centre ensures products flow lengthwise through the hollows so preventing caking of the mixture. What actually happens is that two augers are assembled on the same axis but in opposite directions which causes the mixture to move toward the centre while rotating beaters mounted on the wall of the tub, help push the mixture to the auger ends thus closing the mixing circuit. The result is a homogeneous loose mixture and a 20% reduction in the real mixing time. The single-auger concept minimizes moving parts, reducing the breakdown risk and thus facilitating maintenance tasks. This revolutionary technology has been PATENTED and represents a major technological breakthrough in the preparation of rations.

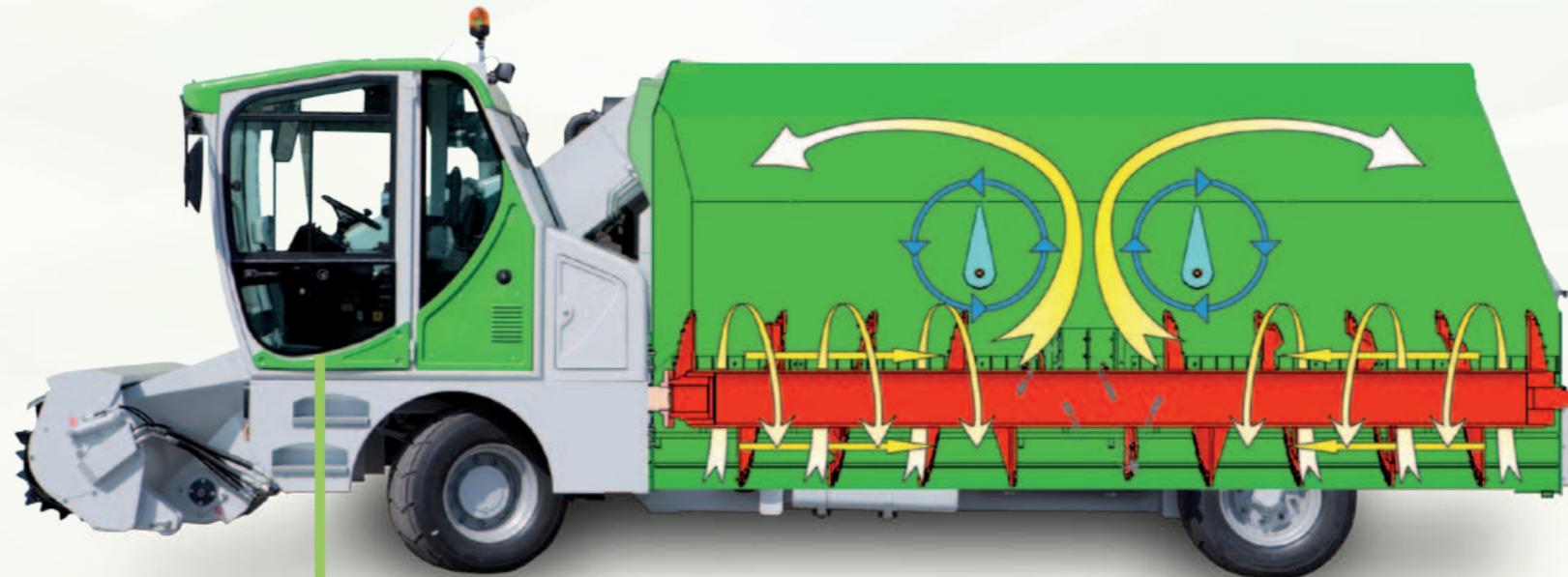


cutter

The cutter system is designed to ensure maximum speed and efficiency in order to reduce the loading time and optimize the quality of work without damaging the product thereby reducing production costs.

standard equipment

- Mixing system using a horizontal auger.
- 175 CV IVECO engine situated on the front right part (2200 rpm TIER.3).
- Hydraulic circuit situated behind the cabin beside the engine with flexible piping.
- Mixer step down gear in rear part.
- Traction on the front axle.
- Parking, service and emergency brake on the front axle.
- Movement speed 0-15 km/h.
- Front steering axle allows 40° turning.
- Spring leaf suspension on front axle.
- Discharge using 930 mm side belt with hydraulic lift.
- Polyethylene chain loading belt and crossbars.
- Heavy-duty variable flow pumps to drive the cutter and the heavy duty mixer.
- 420 bar piston engine.
- ST 52 steel sides and bottom.
- ST 52 steel auger.
- 2,000 mm long cutter with 90 CV motor.
- Loading chain reinforced with Polyethylene cross pieces.
- Fold back cabin door.
- Seat with pneumatic suspension.
- Programmable scale (15 recipes x 15 ingredients).
- Front and rear wheels 445/45 R 19.5.
- Cutter lowering adjustment manually driven from the cabin.
- RADIO / CD.
- Switch to adjust working pressure of the cutter.
- Mixer working pressure indicator gauge.
- Mixer gear oil temperature indicator.
- Hydraulic oil temperature indicator.
- Hydraulic oil level low indicator.
- Breakdown lights.
- Extinguisher.
- Rear right and left spotlight.



* Large glass panels ensure maximum all-round visibility even through the top of the cabin, ensuring optimal control during the cutting operation.

175 CV 6-cylinder IVECO high performance Engine with 175 hp provides a cool operation. The reversible fan option makes it easy to clean any dust while working. The housing is designed for easy access during maintenance tasks.



Cutter rotation control.



cabin

The cabin front is designed to slope inwards, preventing dust generated during the cutting operation settling and obliterating operator visibility.

A multi-function joystick is used to provide most of the control operations of the mixer providing accurate, agile handling of the machine.



general features

MIRROR

Option heated mirrors, electrically adjustable and movable right mirror.



SPOTLIGHTS

Optional LED technology.



LOADING BELT

Rubber loading belt, optional polyethylene chain and crossbars.



SIDE BELT DISCHARGE

Optional moveable belt.



IMPORTANT NOTE

3 different models with different dimensions can be found on the back cover, MMS10 - MMS13 - MMS16.



CABIN

Spacious cabin with maximum visibility. Foldable door for easy access.



SUSPENSION

Spring leaf suspension on the front axle, optional rear axle spring leaf.



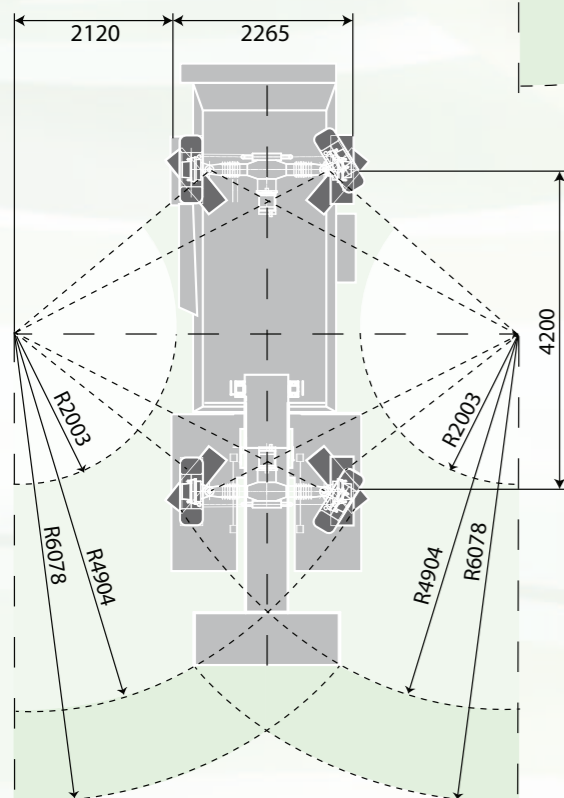
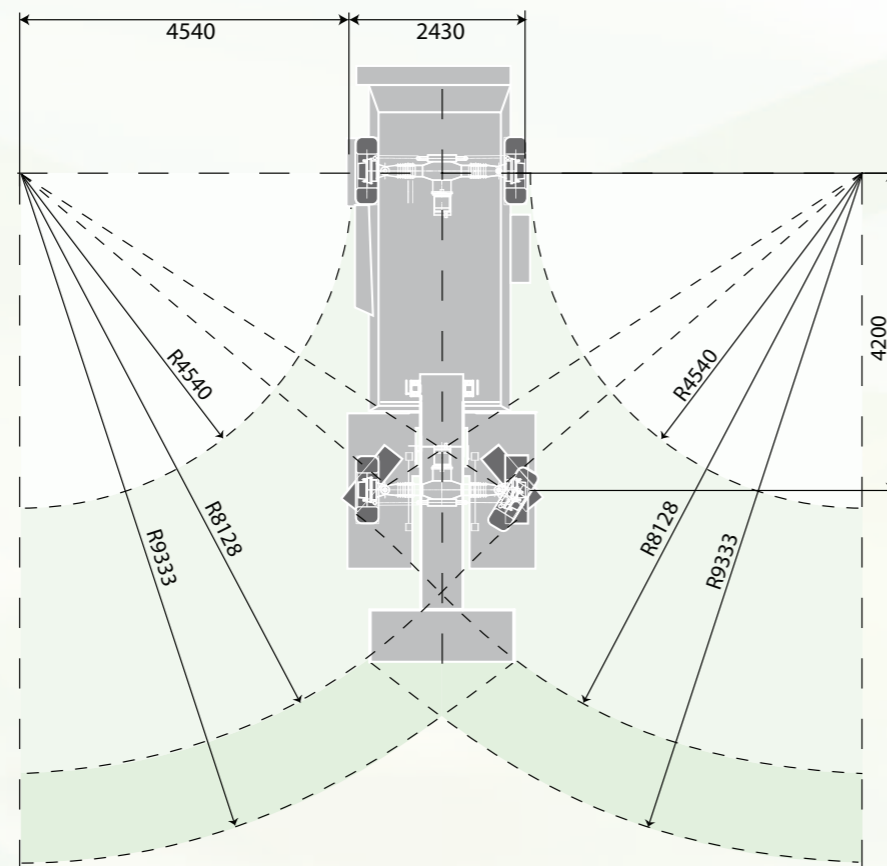
TRACTION

Front axle Traction and steering. Optional dual wheel drive and dual axle steering.



traction

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



Programmable weighing system. Optional printer and video camera at rear and inside tub.



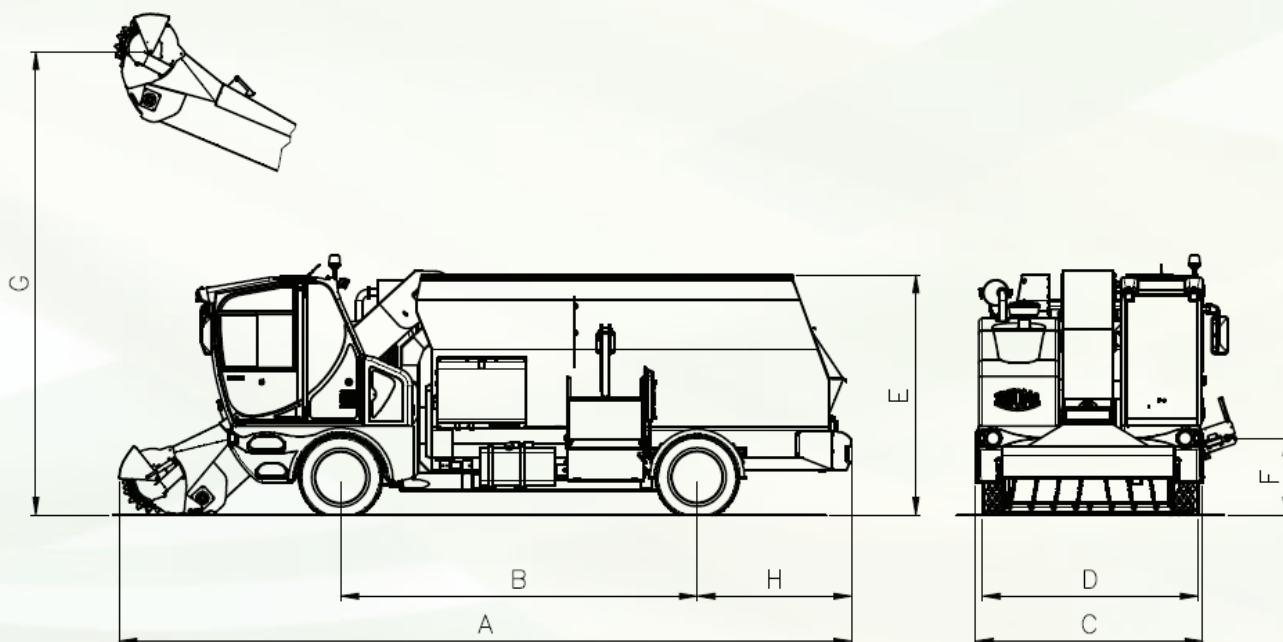
Automatic or manual centralised lubrication.

- Fixed magnet on discharge belt (125 m³ / h).
- Air conditioning.
- Air Conditioning + heating.
- Rear-view mirrors with electrical resistance.
- Rear-view mirrors with resistance and adjusted electrically.
- Moveable left mirror.
- Spotlights.
- Headlights with LED technology.
- Accessories and documentation for registration (Spain).
- Sweeper.
- Cutter Support.
- Nitrogen battery (cutter suspension).
- Stainless steel cutter.
- Double 7" TFT colour video camera.
- Reversible fan.
- Automatic centralised lubrication.
- Manual centralised lubrication.
- Differential locking (4x4 only).
- Engine power booster 175 hp to 238 IVECO.
- Second door with 930mm belt and hydraulic lift.
- Option of adding 2nd door opposite side (dual discharge) WITHOUT BELT.
- Rubber loading belt.
- Prolongation belt.
- Stainless steel or PVC discharge belt.
- 4 Wheel Drive, 4 wheels 445/45-19.5.
- Two steerable axles (4SW) 4 wheels 445/45-19.5.
- 4 wheel drive and two steerable axles (4WDx2SD) 4 wheels 445/45-19.5.
- Front hydraulic suspension.
- Optional stainless steel bottom.
- HARDOX tub bottom.
- Dual motor cutter.
- Low temperatures starter kit (-20 ° C). Hydraulic oil and engine heater.



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DIMENSIONS (mm)	MMS-10	MMS-13	MMS-16
A TOTAL LENGTH	7900	8220	8570
B DISTANCE BETWEEN AXLES	4000	4000	4000
C OUTER WIDTH	2500	2500	2500
D OUTER WIDTH WHEELS	2420	2420	2420
E OVERALL HEIGHT	2750	2750	2800
F UNLOADING HEIGHT	850	850	850
G CUTTER MAXIMUM HEIGHT	4800	4800	4800
H REAR OVERHANG	1400	1730	2080
VOLUME (m³)	10	13	16
EMPTY WEIGHT (KG.)	9750	10640	10850
FRONT / REAR WHEELS	445/45 R 19,5	445/45 R 19,5	445/45 R 19,5



DEALER

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