

# GIGAMIX

VERTICAL SELF-PROPELLED DUAL-AUGER MIXER

**TATOMA**  
GRUPO



*Power, efficiency and reliability*

Designed for maximum productivity, the Gigamix vertical self-propelled dual-auger mixer will adapt to any type of work no matter how demanding the conditions of the farm. With over 40 years of experience in manufacturing mixing systems, TATOMA can guarantee top performance from their mixers and specifically its self-propelled machines that combine efficiency and robustness to meet the needs of the most demanding farmer. The Gigamix model is ideal for the requirements of a medium-sized operation and can prepare 200 to 250 mix rations (depending on the model) in only a few minutes.





## *Excellent cab visibility*

Thanks to the excellent cab design, the farm operator will never lose sight of the cattle. Made of steel with rust proofing treatment, it is equipped with a safety windscreen and a pneumatic seat. All-around visibility is excellent thanks to the windscreen's negative sloping angle, partially glazed roof and windscreen. The front and rear working lights are part of the standard equipment, and can be optionally supplemented with cameras inside the tub, on the discharge doors and for reversing. The screen on the weighing system in the cab allows the operator to accurately control the mixing and discharge operations. The main functions of the machine are controlled safely via messages and warning lights on the side control panel.



## / Cutting machine

Ingredients enter through a dual-motor silage cutter. The 2000 mm cutter drum (2200 mm optional) ensures excellent cutting capacity thanks to its numerous spiral-mounted blades. The tub can be fully loaded in minutes by means of a rubber conveyor belt. All Tatoma self-propelled mixers are fitted with a hydraulic, anti-rupture hose system with a pressure regulator on lowering the cutter.



## / Auger

The auger design has taken into account the different products, fibre types, humidity levels etc, in use. Tatoma has developed an auger capable of working with any type of mix to ensure maximum homogeneity. At the same time the combination of the pitch of the spirals and their diameter guarantees perfect product flow, fast and efficient cutting and therefore low fuel consumption.





The cutter rotation direction is reversible thanks to the two electric drive pedals that allow more precise control of the load, as loading can be stopped and the excess product returned on reaching the required amount.





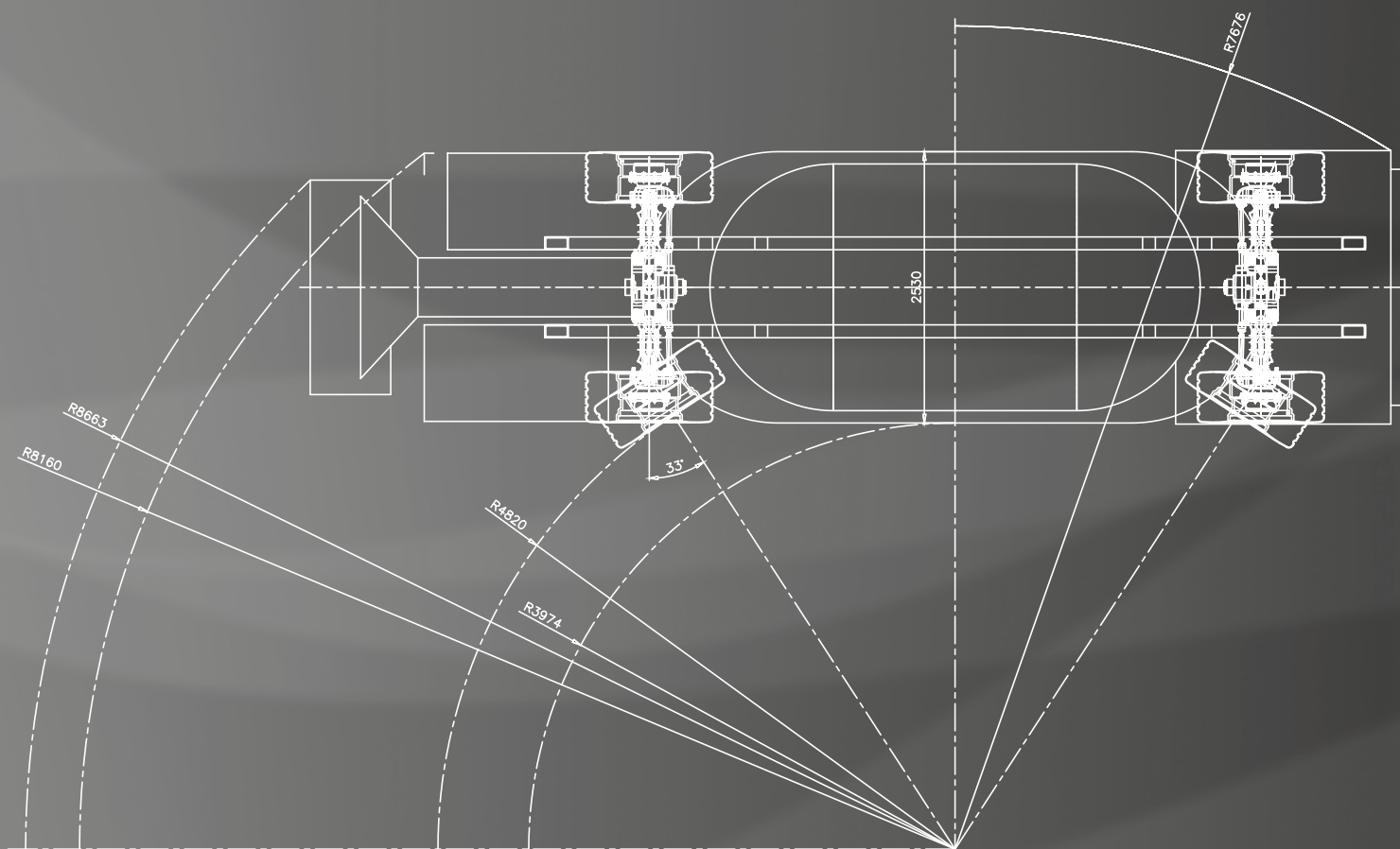


## / Engine

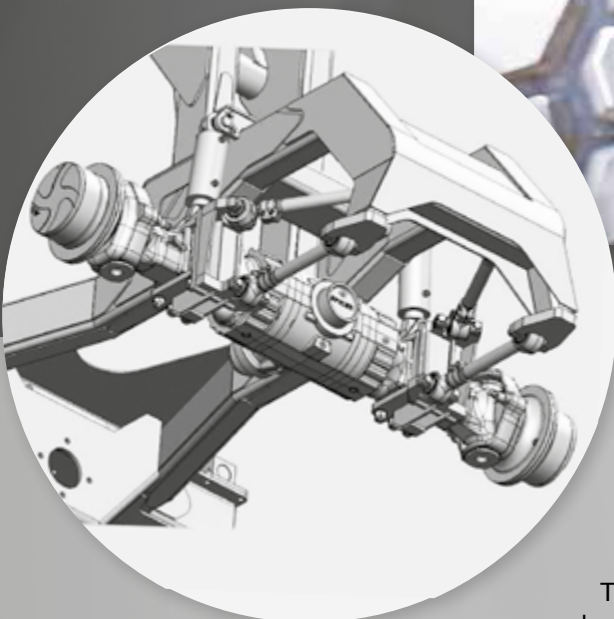
The turbo diesel engine is located at the rear of the machine. The transmission of the movement to the wheels is performed through a closed hydrostatic circuit, driving both axes by means of a variable displacement pump and two piston engines. The hydraulic system includes a flow sharing system between the hydraulic motors to overcome difficult traction conditions.



## */ Turning angle*







Front-axle levelling is performed by a hydraulic suspension. The two rear-axes are connected by a tandem chassis with leaf spring and rocker suspension. The first axle is for steering and driving, the second for driving and the third for steering, allowing the machine exceptional manoeuvrability despite its size. The maximum turning angle is 40 °. The service brake is located on the first and second axle and measurements of all wheels are 445/65 R22.5



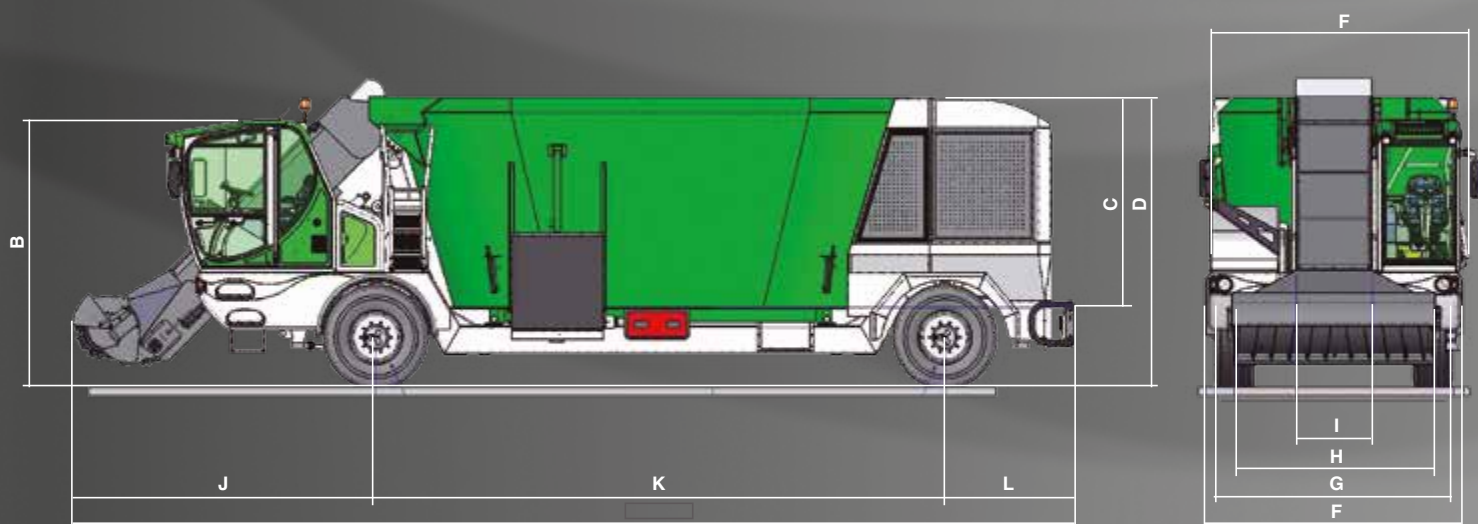
### GIGAMIX MVS-HV

<b>TUB</b>	20, 22 and 26 m. <sup>3</sup>
<b>MIXER</b>	Mixing system with dual vertical heavy duty augers and replaceable knives Adjustable mixing speed up to 50 RPM.
<b>CUTTER</b>	Engine, 130 hp, adjustable speed up to 400 RPM. Width 2000 mm.
<b>LOADING BELT</b>	Rubber belt.
<b>DISCHARGE BELT</b>	Flat, through side door with discharge tray.
<b>SCALES</b>	Programmable 20 recipes x 20 ingredients.
<b>ENGINE</b>	Located in the rear, 6-cylinder and 218 or 275 hp @ 2200 depending on the model. Diesel turbo-intercooler, water cooled and electronic management. Installation on elastic supports to prevent the vibration transmission to the vehicle structure. Coupler at crankshaft output for installation of main pumps. PTO for auxiliary pumps. Wide mesh reinforced radiator for easy cleaning in dusty environments. Emission reduction systems available in EU phases (Stage IIIA, Stage IIIB and Stage IV) and US EPA (Tier 3, Tier 4A, 4B Tier) according to the regulations in force in each country.
<b>DIESEL FUEL TANK</b>	250 litres.
<b>TRANSMISSION</b>	Hydrostatic on both differential axles, including control systems to ensure traction on the first and second axles when driving on rough terrain.
<b>AXLES</b>	Two, steering and driving. Four wheels 445 / 65R22.5.
<b>SUSPENSION</b>	Front hydraulic. Rear leaf springs.
<b>STEERING</b>	Hydraulic power assisted. The maximum turning angle is 40 °. Three modes, road, circle and crab.
<b>BRAKES</b>	Service on both axles. Parking and rear axle.
<b>FEATURES</b>	0-40 km./h speed.
<b>SAFETY</b>	Systems designed to work in adverse environmental conditions and in compliance with European directives on machine safety and electromagnetic compatibility. Optional compliance with the requirements demanded by different regulations in accordance with the regulations in force in each country for driving on the public highway.
<b>HYDRAULICS</b>	Independent circuits for each of the services, with safety valve. In mixer, cutter and transmission circuits, use of heavy-duty variable or steady flow piston or orbital closed series pumps and motors by LINDE AND DANFOSS with working pressures up to 440 bar. Other pumps in open circuit and working pressures up to 190 bar. Oil cooler with reversible fan for auto-cleaning. Medium pressure return filters with clogging indicator. Metal tubing pipelines and hoses with high pressure connections, equipped with minimex outlet for checking pressures. High-capacity oil tank manufactured using 3 mm thick sheet metal with spray cap, internal partitions, cover for cleaning and level and temperature sensors. DANFOSS Orbitrol servo-assisted steering with safety valve and shock valves. Chute lowering adjustment from the control panel using electro-proportional control valve, cutting on lowering depending on the cutter working pressure.
<b>ELECTRICITY</b>	Operating voltage 24 VDC, depending on engine. All circuits protected by fuses located in the operator's cab. Emergency stop button to stop all machine movements in the event of unforeseen situations. Road and work lighting system.
<b>CABIN</b>	Single-seater. Manufactured in steel with anti-corrosion chemical treatment. All-round visibility (inward sloping windshield). Hinged door with lock and secured hinge. Safety glass. Hot water heating with air speed regulator, multiple outputs, air recirculation and filters. Pedals for cutter operation. Brake Pedal interior courtesy light. Pneumatic seat with height, tilt and length adjustment.
<b>CONTROL AND HANDLING SYSTEM</b>	Multifunction Joystick and buttons for handling different functions. Gear oil temperature LEDs, hydraulic oil excess temperature, hydraulic oil level, engine trouble... cutter and mixer pressure indicators, coolant temperature, hydraulic oil temperature, engine pressure...
<b>STANDARD EQUIPMENT</b>	Two front working headlights and two at the rear. Extinguisher Radio / CD Auxiliary power socket Tub steps.



# / GIGAMIX dimensions

DIMENSIONS (mm)	GIGAMIX MVS20	GIGAMIX MVS22	GIGAMIX MVS26
<b>A</b>	10076	10076	11045
<b>B</b>	2789	2789	2944
<b>C</b>	2260	2410	2313
<b>D</b>	3060	3210	3193
<b>E</b>	2620	2620	2898
<b>F</b>	2615	2615	2845
<b>G</b>	2614	2614	2626
<b>H</b>	2000	2000	2200
<b>I</b>	562	562	832
<b>J</b>	3534	3534	3349
<b>K</b>	5300	5300	6270
<b>L</b>	1240	1240	1246
VOLUME (m <sup>3</sup> )	20	22	26
WEIGHT (Kg.)	14500	15300	19000
MAXIMUM CUTTING HEIGHT	5000	5000	5000



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

Pol. Industrial Paüles, parc. 53-55 - 22400 Monzón (Huesca), SPAIN  
Tel.: **(+34) 974 401 336** - Fax: **(+34) 974 400 670**  
inmosa@grupotatoma.com - [www.grupotatoma.com](http://www.grupotatoma.com)

**TATOMA**  
GRUPO



Management  
System  
ISO 9001:2008  
OHSAS 18001:2007  
ISO 14001:2004  
[www.tuv.com](http://www.tuv.com)  
ID 9105024614



EDITION: JUNE 2016