

INNOVATORS' CHOICE SINCE 2005

ZM

R A N G E



**GRASS PULVERIZATION
ON LARGE SURFACES
THANKS TO GRIN
MAXI 3 DECK**



R I D E - O N M O W E R



Z M R A N G E

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GRIN ZM is a ride-on mower with **front deck designed for the maintenance of large green spaces.**

GRIN MAXI 3 mowing deck stands out for its **grass pulverization performance.** It provides a high-quality mowing without collection, **even in difficult situations.** It is available in **120 cm and 140 cm effective mowing width.**

The **front position** of the GRIN MAXI 3 mowing deck and the shape of the machine, allow the operator **to mow under hedges and trees, as well as get very close to obstacles and curbs,** reducing the use of brush cutters.

The **lever handling** makes driving pleasant and **maneuvers quick and safe, saving up to 50% time** compared to a traditional driving system.

The **weight distribution and the automatic ANTI-LIFT system** provide unique performance on slopes for this kind of machines. GRIN ZM is **suitable for mowing on slopes up to 40%**

A powerful twin-cylinder engine, Made-in-Italy production, high-quality materials, professional tractions and top-quality components make **GRIN ZM an extremely reliable machine designed to last.**

Every solution, from the **possibility to electrically fold the mowing deck upright** to the **comfortable seat and control panel,** is designed to: **simplify ordinary and extraordinary maintenance,** make **driving pleasant and comfortable** and make GRIN ZM a **very safe machine.**

H I G H L I G H T S

Z M R A N G E

1

GRIN MAXI 3 MOWING DECK

- ✓ GRIN mowing system that pulverizes grass
- ✓ Front deck
- ✓ Articulated deck
- ✓ Vertical folding system

2

ZERO-TURN

The ZM Zero-Turn system **saves you 50% of the time without compromising the mowing quality**

3

ANTI-LIFT SLOPE STABILIZER

ZM can mow on **slopes up to 40%**

4

TECHNICAL HIGHLIGHTS

ZM components are designed to grant:

- ✓ Reliability
- ✓ Efficiency
- ✓ Ease of use
- ✓ Low operating costs

5

OPTIONS

It is possible to buy the following optional:

- ✓ Axle for double rear wheels
- ✓ Tractor wheels

1

GRIN MAXI 3 MOWING DECK

GRIN MAXI 3

PULVERIZES GRASS

The GRIN MAXI 3 is **the best-performing mowing deck without grass collection on the market for:**

- ✓ **Grass pulverization** (residues of small size).
- ✓ **Best ratio between mowing result and difficult conditions** of the lawn (wet grass, thick lawn, tall grass).
- ✓ **Best ratio between mowing result and working speed.**
- ✓ **Maximum cleanliness and no clogging** during and after mowing.

The ZM-Series is available with the following mowing decks:

ZM120: 120 cm of effective mowing (126 cm wide)

ZM140: 140 cm of effective mowing (146 cm wide)

GRIN





Some **technical features** make GRIN MAXI 3 mowing deck **unique on the market**, and it stands out for its performance:

- ✓ **The use of GRIN mowing decks, blades and turbo-disk** allows, as already featured on the smaller models, **a very fine grass pulverization** and an excellent result in challenging situations.
- ✓ **The 3 mowing systems** that compose the deck **are independent**. This optimizes air flows to get an optimal pulverization.
- ✓ **The 3 mowing decks** are **laid out in a triangle** with an average **overlap of 16.5%** of the two rear decks on the front one. This construction lets the mowing decks **work with an optimal material loading**.





FRONT DECK

SPEEDS UP MOWING

The front-mounted GRIN MAXI 3 mowing deck increases maneuverability and grants an incredible working speed.

The mowing deck, **fully articulated**, independent from the machine and the operator:

- ✓ Facilitates mowing near obstacles such as flowerbeds, curbs, walls, plant pots, etc.
- ✓ Allows to **mow under** trees, hedges, benches, etc.
- ✓ Allows a **better visibility** on the work area.

This machine also **drastically reduces the need for brush cutters during maintenance.**



ARTICULATED DECK

THAT ADAPTS TO THE GROUND CONDITIONS

The mowing deck frame is separate from the machine's chassis and is connected to it by a **special swing joint**.

The swing joint, that allows both horizontal and vertical movements, **helps the mowing deck adapt to the unevenness of the ground.**

The anti-scalp machine wheels allow a **better stability of the mowing deck** on the ground preventing scalping of the lawn.



ELECTRICAL VERTICAL FOLDING SYSTEM

FAST MAINTENANCE

The GRIN MAXI3 mowing deck **can be folded in vertical position thanks to an electric actuator, without removing the belt.**

This allows a simple, **fast and safe cleanup and maintenance of the deck.**

It can also **reduce its dimension on the vans during transport.**



THE PERFECT ZERO-TURN

2



ZERO-TURN

SPEED AND QUALITY

The GRIN ZM Zero-Turn system has been developed in detail to grant **fast manoeuvres without compromising the mowing quality.**

This performance is achieved thanks to:

- ✓ **The machine weight**, that is **concentrated on the driving axle to increase the grip** during manoeuvres and start&stops.
- ✓ **Large wheels**, that spread and **reduce pressure** on the lawn.
- ✓ **Tapered tanks and the machine shape**, that **allow to precisely get close** to walls, hedges, curbs, without bumping into obstacles with the back of the machine during manoeuvres, granting an **impeccable mowing result.**

This driving setting **saves up to 50% of the time** when mowing a green area.

ANTI-LIFT

STABILIZER

UP TO 40% SLOPE

3



ANTI-LIFT STABILIZER

UP TO 40% SLOPE

A key feature of the GRIN ZM is the **automatic ANTI-LIFT stabilizer to mow on slopes, combined with a machine with a very low center of gravity**. This technology, thanks to the automatic activation of a hydraulic piston, allows you to:

- ✓ **reduce rear wheel lift** when downhill and braking.
- ✓ **drive uphill easily** maintaining a good grip on the ground.
- ✓ **reduce the weight on the rear wheel** to ensure quick and easy manoeuvres.
- ✓ Ensures **excellent mowing performance even along steep slopes**.

Thanks to the ANTI-LIFT technology and weight distribution, with GRIN ZM it is possible to move easily on steep slopes up to 40% (22°) and cut along slopes up to 30% (17°), with maximum stability and safety.

4 TECHNICAL HIGHLIGHTS



B&S 724 CC ENGINE

POWER, RELIABILITY, RUNNING TIME

The GRIN ZM is equipped with a **724 cc, 22 HP (16.2 kW) Briggs & Stratton** twin-cylinder combustion engine with electric start.

This engine is known for:

- ✓ **Low fuel consumption and vibration**
- ✓ **Low pollutant emissions**
- ✓ **High performance**
- ✓ **High reliability**

The customized Super Silent muffler is designed to minimize noise and ensure minimal exhaust resistance.

The two symmetrical tanks are positioned on the drive axle **to optimize weight distribution**. With a total **capacity of 30 liters**, they provide long running time: **up to 7 hours on a full tank**. The two tanks are connected: they fill up and empty simultaneously.



EASYRIDE CONTROLS

SAFE AND PLEASANT RIDE

The features that are particularly appreciated in daily use are:

- ✓ Electric mowing **height adjustment**.
- ✓ Electric **blade engagement**.
- ✓ **Parking brake** activated by opening the levers.
- ✓ **Controls** at your fingertips.
- ✓ Quickly **foldable roll bar** without tools.



HYDROSTATIC TRACTION

RELIABILITY, SPEED AND DRIVING SENSITIVITY

The **double hydrostatic transmission** with integrated Hydro Gear pumps/motors ensures **reliability, speed, and smooth movements**.

The speed can be adjusted **from 0 to 12 km/h** depending on lawn conditions. **The combination with the GRIN mowing system** and the GRIN MAXI 3 decks, with 120 cm and 140 cm effective mowing widths, allow **mowing to be completed in record time**.

The GRIN ZM levers allow **a simple and intuitive ZERO TURN steering**, granting smooth and natural movements, not tiring for the operator.

The parking brake engages automatically when the steering control levers are opened: simple, convenient, and above all, safe.



PREMIUM COMFORT SEAT

COMFORT AND ACCESS TO MAINTENANCE

The **wide, adjustable seat** with armrests provides excellent comfort.

The driving position is natural, thanks also to the **height-adjustable position of the drive levers**. The seat **is foldable, thanks to a gas spring, and it allows an easy inspection and maintenance** of the machine.

Under the seat, there is **easy access to:**

- ✓ Traction release levers
- ✓ Belt loosening lever
- ✓ Greasing points
- ✓ Battery
- ✓ Hydraulic oil tank



5

OPTIONS



DOUBLE REAR WHEEL

The machine can be equipped, as an option, with a **double-wheel rear axle** to get on transport vehicles using two ramps instead of three.

The kit includes the arm that supports the wheels and the second rear wheel.



TRACTOR WHEELS

Tractor wheels are useful on **rustic terrain with slopes to provide additional grip.**

They are supplied as a KIT in addition to the standard Garden wheels.

(On the other hand, greater care is required during zero-turn manoeuvres to avoid damaging the lawn)

TECHNICAL SHEET





MOWING DECK

GRIN MAXI 3
with mowing system that pulverizes grass.

Dimensions:

ZM120: 120 cm of effective mowing width and 126 cm of total width

ZM140: 140 cm of effective mowing width and 146 cm of total width

Electric mowing height adjustment:

Micrometric adjustment from 35* mm to 80* mm (adjustment mechanism +/- 10 mm)

* Average measurements on compact lawns

Vertical folding system with electric actuator:

Quick, without removing the belt

For cleaning and ordinary maintenance of the deck

To reduce dimensions during transport



HOURLY OUTPUT*

ZM120: 13.000 sqm/h

ZM140: 15.000 sqm/h

*indicative and variable depending on the conditions of the lawn

	ENGINE	<p>Briggs & Stratton Series 8290 CXi Commercial Electric start with 12V battery Internal combustion engine</p> <p>Displacement: 724 cc, 2 cylinders Power 22 HP (16.2 kW) Air-cooled Dry air filter with replaceable cartridges</p>
	TANK	30 L (2 connected 15 L tanks)
	TRACTION	Hydrostatic transmission with ZT3100 Hydro-Gear integrated pump, with electromagnetic PTO clutch
	DRIVING SYSTEM	<p>Lever-operated with longitudinal and height adjustment Zero turn corner radius Speed: 0 - 12 km/h continuously variable. Reverse: 0 - 6 km/h Automatic parking brake when the levers are opened, integrated into the hydrostatic unit</p>
	STANDARD EQUIPMENT	<p>ANTI-LIFT system to improve handling on slopes Removable Rollbar without tools Rear tow hook</p>
	WHEELS	Front: 20x10.00-8 Garden (Tractor as an option) Rear: 15x6.00-6 Garden
	DIMENSIONS	<p>ZM120: L 2.580mm x W 1.260mm x H 1.700mm (1.160mm with folded rollbar)</p> <p>ZM140: L 2.580mm x W 1.460mm x H 1.700mm (1.160mm with folded rollbar)</p>
	WEIGHT	<p>ZM120: 470 KG ZM140: 484 KG</p>

