



MA.TRA. 250



language



M A D E I N I T A L Y



**A COMPLETE RANGE FOR GREEN PROFESSIONALS**

Since its foundation in 1943, BCS has been designing and building grass mowing and greens maintenance machines.

The experience gained over the years and the success of these machines have allowed BCS to create a complete line of lawn mowers and heavy-duty mowers specifically for this market segment.

Models in the Ma.Tra. range are in fact dedicated to demanding individuals for whom green care is their passion, or to professional maintainers who make intensive, daily use of them.

People and companies that use the machines on a continuous basis, demanding the best from them in terms of performance, reliability, comfort and economy of operation, all wrapped up in an innovative and attractive design.

**MA.TRA. 250: PROFESSIONAL HYDROSTATIC LAWN MOWER**

Ma.Tra. 250 is a hydrostatic lawn mower equipped with a front cutting plate and a raised discharge grass collector.

Designed for cutting and collecting grass in green areas, public and private parks, sports fields, road flowerbeds, roundabouts and wherever a neatly mowed and well-maintained lawn is required.

Reduced turning radii and stability, even on terrain with poor grip, are ensured by the short wheelbase and permanent drive supported by four independent hydraulic motors mounted on the wheels.



**LARGE GRASS COLLECTOR**  
with hydraulic tipping at 200 cm in height.

**DRIVING POSITION**  
wide and comfortable with all controls within easy reach.

**STEERING RADIUS**  
of only 31 cm and steering wheel with power steering acting on the rear wheels.

**HYDROSTATIC TRANSMISSION**  
with double pedal (forward / reverse) and single forward range.

**PERMANENT FOUR-WHEEL DRIVE.**

**AUTOMATIC DIFFERENTIAL LOCK**  
for maximum traction and safety.

**26 CV STAGE V ENGINE**  
and cooling system with self-cleaning mesh radiator.

**CUTTING HEIGHT HYDRAULIC ADJUSTMENT**  
directly from the driver's seat.

**HIGH LEVEL PERFORMANCE**

Ma.Tra. 250 is fitted with a 3-cylinder Yanmar diesel engine achieving 26 hp at 3000 rpm.

The self-cleaning mesh radiator ensures both the water and the hydraulic oil are perfectly cooled. Positioned in a shock-protected area, it can be easily inspected.

The cleaning of the intake grilles from dust and grass debris is ensured by a specific sensor that automatically reverses the rotation of the cooling fan.

ENGINE	Yanmar 3TNV82A
EMISSIONS LEVEL	Stage V
No. OF CYLINDERS	3
DISPLACEMENT (CC)	1331
POWER (KW / HP)	18.9 / 26
RATED SPEED (RPM)	3000
MAX TORQUE (NM / RPM)	86.8 / 1200

The hydrostatic transmission, with continuously variable speed from 0 to 15 km/h, is supported by four independent hydraulic motors mounted on the wheels, enabling the Ma.Tra. 250 to easily work even on slopes and on terrain with poor adherence.

Traction and safety are also ensured by the automatic differential lock, which kicks in if the rear wheels slip or during a descent, ensuring maximum adherence of the four drive wheels at all times.

The operation can also be performed manually by pressing a button, e.g. when driving up ramps in reverse.

The PTO clutch is hydraulic multidisc with built-in blade brake. The electro-hydraulically operated button engagement is independent of the intake turbine.



**TOP COMFORT AND HANDLING**

Ma.Tra. 250 is equipped with a comfortable driver's seat with levers and buttons within easy reach and easy to operate, including electro-hydraulic ones for managing the grass catcher and adjusting the cutting height.

The cushioned and adjustable seat with armrests and high back, in conjunction with the tilt-adjustable steering column, keep the operator comfortable throughout the working day.

Steering wheel, with hydrostatic steering acting on the rear wheels, ensures minimal turning radii, relaxed driving and fast working even in obstacle-rich environments.

The forward and reverse pedals are assisted by a servo-controlled variable displacement pump to minimise drive strain.



As standard, Ma.Tra. 250 is equipped with:

- control instrumentation integrated in the centre of the dashboard,
- sturdy folding roll-bar,
- seat belts,
- lighting system approved for use on roads,
- front hydraulic socket kit (to use any tools that need to shift or rotate).

**LARGE GRASS COLLECTOR**

The grass collection system uses a loading accelerator which, in addition to ensuring maximum yield even with thick and humid grass, reduces its noise and consumption.

The grass collector has a 750 litre capacity (gross internal volume of 950 litres). A mobile baffle located inside ensures uniform filling.

When the grass collector is filled, a sensor automatically disengages the rotation of the mower blades and the loading accelerator to prevent clogging of the intake duct.

The 200 cm high hydraulic tipping and lifting and the 20 cm rear overhang optimise grass unloading in the body of the support vehicle.



**ATTACHMENTS**

Thanks to a complete set of professional equipment, the Ma.Tra. 250 can be used across all seasons for greens maintenance and municipality related operations.

**132 cm LAWN MOWER**

With rear discharge and collection set-up, it is equipped with gear transmission and hydraulically-controlled lifting to easily overcome curbs and pavements.

The blades, mounted on two discs, have shockproof pivoting ends to protect the transmission from any impacts against obstacles.

The cutting height can be constantly adjusted from the driver's seat.

A practical mulching kit is also standard supplied for mowing without grass collection.



**130 cm HEAVY-DUTY MOWER**

Designed for cleaning rustic areas, the mobile blade heavy duty mower cuts and shreds shrubs and scrubs without collection.

It is equipped with a central rotor with Y-shaped blades and a rear roller for adjusting the cutting height.



**150 cm SNOW BLADE**

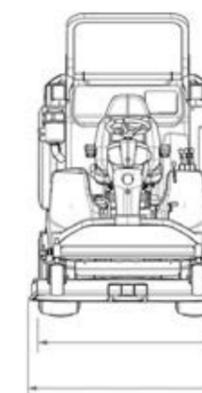
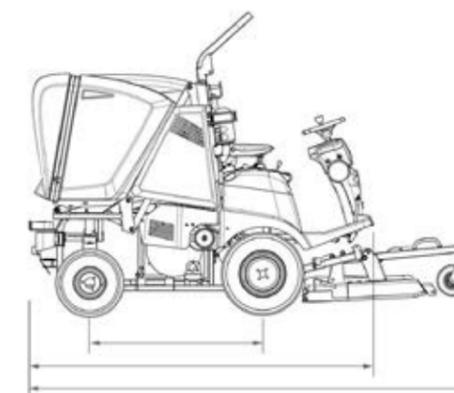
Essential implement for removing snow or handling sand and stones.

Equipped with a rubber end, it can be hydraulically adjusted (+/-30°) directly from the driver's seat thanks to the front hydraulic outlets standard mounted on the Ma.Tra 250.



**TECHNICAL FEATURES**

<b>MODEL</b>	Multi-purpose garden machine with hydrostatic transmission
<b>ENGINE</b>	Yanmar 3TNV82A diesel - Stage V
No. of cylinders	3
Displacement (cc)	1,331
Power (kW/HP)	18.9 / 26
Rated speed (rpm)	3,000
Max torque (Nm/rpm)	86.8 / 1,200
Cooling	Liquid with electrofan and automatic radiator cleaning device
Fuel tank capacity (l)	25
Hydraulic oil tank (l)	20
Ignition	12 V electric
<b>TRANSMISSION</b>	Hydrostatic with 4 hydraulic motors on the 4 wheels
<b>SPEED</b>	From 0 to 15 km/h with continued variation
<b>DRIVE</b>	Permanent 4-wheel hydraulic drive
<b>DIFFERENTIAL LOCK</b>	Automatic and manual with push-button controls
<b>DRIVING SYSTEM</b>	Steering wheel with hydro-guide acting on the rear wheels
<b>PTO CLUTCH</b>	With electro-hydraulic push-button control and built-in blade brake
<b>SERVICE BRAKES</b>	Drum brakes, acting on the front wheels
<b>PARKING BRAKE</b>	Pedal-operated, acting on the service brakes
<b>SEAT</b>	Professional with armrests and high backrest, sprung and longitudinally adjustable
<b>STEERING WHEEL</b>	Fitted on a steering column, longitudinally tiltable
<b>CONTROL INSTRUMENTS</b>	Integrated into the dashboard on the steering column
<b>INSIDE FRONT WHEEL TURNING RADIUS (mm)</b>	310
<b>TYRES</b>	With Garden profile. Front 23x10.50-12 * Rear 18x8.50-8
<b>CUTTING HEIGHT ADJUSTMENT</b>	Continuously adjustable directly from the driver's seat with push-button control
<b>GRASS COLLECTOR</b>	With electrically-controlled mobile deflector to ensure it is filled evenly. Automatic blade and load accelerator stop when the grass collector is full
Inside gross capacity (l)	950
Real capacity (l)	750
Lifting and tilting	Hydraulically controlled
Maximum discharge height (mm)	2,000
Rear overhang (mm)	200
Load accelerator	With floating blades, electromagnetic clutch independent from PTO
<b>INDICATIVE HOURLY CUTTING RATE (m2/h)</b>	10,000
<b>STANDARD EQUIPMENT</b>	Rear tow hook, folding roll-bar, lighting system approved for road traffic, front hydraulic connection kit



**DIMENSIONS**

<b>LENGTH</b>	3,200 mm (with lawn mower)   2,530 mm (without lawn mower)
<b>WIDTH</b>	1,410 mm (with lawn mower)   1,280 mm (without lawn mower)
<b>HEIGHT</b>	1,750 mm (with roll-bar lowered)   2,100 mm (with roll-bar raised)
<b>GROUND CLEARANCE</b>	150 mm
<b>WHEELBASE</b>	1,230 mm
<b>WEIGHT</b>	1,280 kg (with lawn mower)   1,100 kg (without lawn mower)

## THE SERVICES

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### SPARE PARTS

A complete range of original spare parts, guaranteed directly by the manufacturer.



### ASSISTANCE

A team of specialists, well prepared and available to assure an efficient and resolving service.



### WARRANTY

A precise certainty for the customer's satisfaction:  
2-year warranty included in the price.



### LUBRICANTS

We recommend to use the original PowerLube lubricants.

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