



MA.TRA. 350

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. 350: DOMINATE THE CITY'S LANDSCAPE

Ma.Tra. 350 is a multi-functional greens maintenance machine with 4-wheel drive designed for the maintenance of gardens, both public and private, and for all municipal gardening work.

Thanks to a complete range of professional equipments Ma.Tra. 350 can be used all year round.

Easy handling limited turning radius, a comfortable driving position and ultimate stability even on steep slopes and slippery surfaces ensure high performance in all conditions of use.

GRASS COLLECTOR WITH A REAL CAPACITY OF 1,000 LITRES and hydraulic tilting at a height of 230 cm.

LARGE COMFORTABLE DRIVING POSITION with all controls within easy reach.

TURNING RADIUS of just 62 cm and steering wheel with hydro-guide operating on the rear wheels.

AUTOMATIC DIFFERENTIAL LOCK for maximum traction and safety.



PERMANENT 4-WHEEL DRIVE.

ENGINE WITH 37 HP POWER and self-cleaning cooling system.

HYDROSTATIC TRANSMISSION with a single speed range, from 0 to 20 km/h with continued variation.

PROFESSIONAL ATTACHMENTS for guaranteed maximum versatility.

MA.TRA. 350

STAGE V ENGINE

Ma.Tra. 350 is equipped with a Yanmar 3-cylinder 1.6-litre aspirated diesel engine capable of producing 37 HP of power.

The silent blocks on which it is mounted, along with the adjustment to 3,000 rpm, allow for a considerable reduction in vibrations and noise.

The self-cleaning screen radiator guarantees both the water and the hydraulic oil are cooled to perfection. Located in an area protected from collision and easy to inspect.

A specific sensor automatically reverses the rotation of the cooling fan to clean any dust and grass cuttings from the intake grilles.

ENGINE	Yanmar 3TNV88C
EMISSIONS LEVEL	Stage V
No. OF CYLINDERS	3
DISPLACEMENT (CC)	1,642
POWER (KW / HP)	27.5 / 37
RATED SPEED (RPM)	3,000

TRANSMISSION

The transmission has a single speed range, from 0 to 20 km/h, and it ensures high performance and notable hourly output levels.

The four independent hydraulic motors mounted on the wheels allow the machine to operate with ease, even on steep slopes.

Maximum traction and safety in all operating and grip conditions are guaranteed by the automatic differential lock that always enables all four driving wheels to have grip, even with the machine fully steered.

The PTO clutch is hydraulic multi-disc with built-in blade brake. The electro-hydraulic controlled engagement is independent from that of the intake turbine.

The ground clearance is 18 cm and the pivoting rear axle allow the Ma.Tra. 350 to overcome pavement curbs and bumps smoothly.



ABSOLUTE OPERATING COMFORT

The driving position is generously proportioned and comfortable.

The professional seat is sprung and has armrests, and all the controls for lifting the attachment and the grass collector are operated by lever-operated hydraulic control valves.

The steering wheel, which operates the rear wheels, is equipped with hydro-guide and it can be adjusted in height and inclination.

The forward and reverse pedals are servo-assisted to reduce operator fatigue even after several hours of work.

Ma.Tra. 350 is equipped as standard with:

- folding roll-bar,
- seat belts,
- lighting system approved for road traffic,
- rear tow hitch.



CABIN

A ventilated and heated cab is available as an optional.

The entire structure is mounted on silent-block to reduce vibrations and can be tipped forward for easy machine maintenance.

Isolated from dust and noise, the cab is set up for car radio and the numerous vents ensure optimal ventilation and heating for operator well-being.



GRASS COLLECTOR

The grass intake system comprises a large turbine (diameter 40 cm) that ensures maximum output even in special usage conditions with thick and wet grass.

The hydraulic engagement of the turbine is independent from that of the PTO.

The grass collector has a real capacity of 1,000 litres. A mobile deflector situated inside it ensures it is filled evenly.

When the grass collector is full, the lawn mower blades and the intake turbine both stop automatically.

The hydraulic tilting at a height of 230 cm and the 50 cm rear overhang make it possible to optimise grass discharge onto the supporting vehicle container.



ATTACHMENTS

155 CM LAWN MOWER

Set-up for collection, it has a 155 cm cutting width and features a steel body and reinforced edges to eliminate the problem of wear from contact with curbs and walls.

The blades are mounted on two counter-rotating discs and have shockproof retracting terminal to protect the transmission from any impacts against obstacles.

The cutting height can be adjusted in 8 different positions while the hydraulically-controlled lifting from the driver's seat makes it possible to easily overcome bumps and pavements.

Tipping, for possible inspections and cleaning, is simple and practical and takes place without having to remove the cardan shaft or the connection duct with the intake turbine.

A practical mulching kit is also standard supplied for a possible use with mowing without collection.



160 CM HEAVY DUTY MOWER

Designed for cleaning rustic areas, the 160 cm wide 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.

175 CM SNOW BLADE

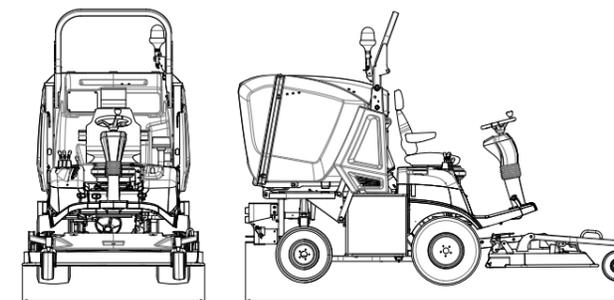
Essential implement for removing snow, with a width of 175 cm.

Equipped with a rubber end, it can be hydraulically adjusted (+/-30°) directly from the driver's seat thanks to the hydraulic control valves standard mounted on the Ma.Tra 350.



TECHNICAL FEATURES

MODEL	Multi-purpose garden machine with hydrostatic transmission
ENGINE	Yanmar 4TNV88C diesel - Stage V
No. of cylinders	3
Displacement (cc)	1,642
Power (kW/hp)	27.5 / 37
Rated speed (rpm)	3,000
Cooling	Liquid with hydraulic fan and automatic radiator cleaning device
Fuel tank capacity (l)	50
Hydraulic oil tank (l)	25
Ignition	12 V electric
TRANSMISSION	Hydrostatic with 4 hydraulic motors on the 4 wheels
SPEED	From 0 to 20 km/h with continued variation
DRIVE	Permanent 4-wheel hydraulic drive
DIFFERENTIAL LOCK	Automatic and manual with push-button controls
DRIVING SYSTEM	Steering wheel with hydro-guide acting on the rear wheels
PTO CLUTCH	With electro-hydraulic push-button controls and blade brake
SERVICE BRAKES	Drum, acting on the front wheels
PARKING BRAKE	Lever-operated, acting on the service brakes
SEAT	Grammer with armrests and high backrest, sprung and adjustable
STEERING WHEEL	Fitted on a steering column which is height-adjustable and can be tilted longitudinally
TURNING RADIUS (mm)	620
TYRES	With Garden profile. Front 24x12.00-12 * Rear 20x10.00-10
GRASS COLLECTOR	With electrically-controlled mobile deflector to ensure it is filled evenly. Automatic blade and turbine stop when the grass collector is full
Inside Gross capacity (l)	1,200
Real capacity (l)	1,000
Maximum discharge height (mm)	2,300
Rear overhang (mm)	500
Intake turbine	Diameter 400 mm. Operated by a hydraulic motor fitted with a safety valve against accidental collisions. Independent operation from the lawn mower
Lifting and tilting	Hydraulically controlled
INDICATIVE HOURLY CUTTING RATE (m2/h)	15,500
STANDARD EQUIPMENT	Rear tow hook, folding roll-bar, lighting system approved for road traffic, front hydraulic connection kit
OPTIONAL	Comfort cab with ventilation and heating



Length	3,515 mm (with lawn mower) 2,595 mm (without lawn mower)
Width	1,620 mm (with lawn mower) 1,350 mm (without lawn mower)
Height	1,885 mm (with roll-bar lowered) 2,380 mm (with roll-bar raised or with cab)
Ground clearance	180 mm
Wheelbase	1,260 mm
Weight	1,560 kg (with lawn mower) 1,340 kg (without lawn mower)

THE SERVICES



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.



BCS S.p.A.
Viale Mazzini, 161 - 20081 Abbiategrasso
Tel. +39 02 94821 | info@bcs-ferrari.it
www.bcsagri.com

