



TTR 3800 HST
TTR 4800 HST





Our aim is the same as always:
to make the most beautiful tractor in world!

Acron

When I was a child...

i was so excited every time I saw a tractor. My grandfather owned an Antonio Carraro and watching it, I dreamed of having one, too. When I was only a child I daydreamed about the future of my life: the only certainty was that i would not have had a boring existence. I imagined an interesting job, my own family. A nice home, a car.

Maybe a motorcycle and a tractor. One day I opened my heart and bought an Antonio Carraro. I owed it to myself...and to my grandfather.



ERGIT



THE 30 SERIES

TTR 3800 HST / TTR 4800 HST



GROUND CARE

Antonio Carraro's Groundcare *business unit* is a department dedicated to the research, development and marketing of machines for a wide variety of municipal maintenance activities, such as the upkeep of public and private green areas, road maintenance, cleaning of urban areas, building and construction sites, management of parks and gardens, nurseries, maintenance of equipped recreation areas and sports facilities. Our ground care units are professional multi-functional machines designed to offer the ultimate in productivity, ease of operation and comfort. Each of our models can be customised by choosing from a wide range of accessories, devices and implements to suit each customer's specific needs.



TTR 3800 HST

The concept of the TTR 3800 HST is the same as the AC high-end tractors, albeit in a smaller scale. The strategic choice to power these tractors with direct-injection engines has resulted in improved performance and better fuel efficiency. Featuring a low centre of gravity, the TTR 3800 HST is equipped with an **ACTIO™** chassis (Antonio Carraro Integral Oscillating Chassis), hydrostatic transmission, reversible driving position and equal-sized driving wheels, making it ideal to work on virtually any type of ground, whether flat, hilly or rugged.



TTR 4800 HST

This model is unique to its kind, combining a reversible driver's seat with a hydrostatic transmission. It offers a power of 38hp (Yanmar 3-cylinder engine - Stage 5) with excellent torque at low revs. It features important accessories such as the cab and Joystick. A machine designed for the professional civil maintenance market, where power performance goes hand in hand with the need for a light and compact vehicle that can easily work in tight spaces. The RGS™ reversible driver's seat mounted on a rotating turret and hydrostatic transmission make TTR 4800 HST suitable for maintenance works in parks, gardens, sports fields, racecourses, and riding stables.



ACTIO™

The overhang engine, front steering axle and ACTIO™ central pivot for enhanced longitudinal oscillation are the distinguishing features of these tractors. The two oscillating parts of the chassis independently adjust to the uneven terrain, ensuring stability and continuous drive, also thanks to the low centre of gravity. The machine + implement duo ensures the tractor's ideal balancing, equally distributing the load on each axle.

The suspended drive platform on silent blocks ensures optimum driving comfort, easing operator stress and fatigue even after long hours of work. The spacious driver's seat ensures operator convenience and comfort for the limbs. The layout of the controls, placed in a logical sequence, is the result of a meticulous ergonomic study.

RGS™

The reversible driving RGS™ *Rev-Guide System* mounted on a rotating turret allows the driving direction to be reversed in a matter of seconds for efficient operation with rear or front mounted implements. The operator simply turns the seat/steering wheel/dashboard/pedal assembly by 180° to obtain a new equivalent and inverted driving position, without forsaking accessibility and operator comfort. All the controls remain in an ergonomic position and in a logical sequence in both directions of travel.



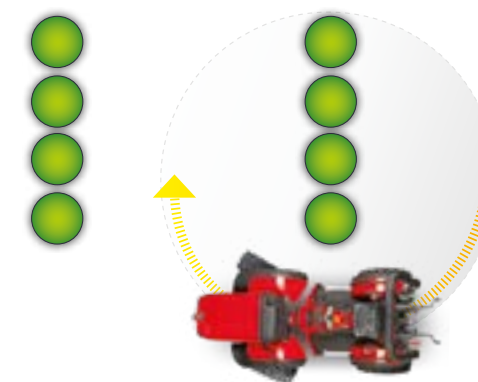


HST HYDROSTATIC TRANSMISSION

The HST hydrostatic transmission works in 3 mechanical ranges: slow from 0-6,, normal 0-12, fast 0-28 km/h. This type of transmission allows the desired operating speed to be controlled by simply pressing the drive pedal. The direction can be changed using the hydrostatic reverser located under the steering wheel, which can also be operated on the move. This system eliminates the need to use the clutch and engage the gears with every change in speed or direction.

STEERING

The short wheelbase and tight turning radius ensure easy manoeuvring even in the most confined spaces. The hydraulically-assisted steering wheel feels sensitive and smooth and allows for precise manoeuvring even when working on steep hills, when driving crosswise on sloping terrain or when negotiating tight spots.



ENGINE

TTR HST is available with 2 YANMAR engine types: TTR 3800 HST (25hp) for standard applications catering to the primary needs of ground care operators. TTR 4800 HST (38hp) which offers greater power and torque, and is available with important accessories such as the cab and Joystick. A machine aimed at a more demanding market where power performance goes hand in hand with the need for lightness and compactness.





HYDRAULIC SYSTEM



FLOW REGULATOR



REAR PTO



**DIFFERENTIAL LOCK AND DRIVE
DISENGAGEMENT**



FRONT POWER LIFT*



**COUPLERS FOR TOP FITTING
EQUIPMENT***



MACHINE AND IMPLEMENT

The hydraulic system supplied standard with the TTR 3800 consists of three double-acting spool valves with rear float position; the standard hydraulic system in the TTR 4800 on the other hand consists of 2 double-acting spool valves with rear float position, one of which is replicated at the front, one single-acting spool valve and one free return (8 quick couplings in total: 6 rear + 2 front).

The power lift, fitted with a regulator to control the lowering speed, modulates the movement of the implement depending on the weight. The integrated lift/hydraulics/PTO system enables pull-type and front-mounted implements to be quickly attached and detached, also making it possible to use rear and front implements simultaneously. The PTO is two-speed: 540 and 1000 rpm. The PTO features a 1 3/8 ASAE shaft and is the same for all speeds. The differential lock prevents wheel slippage, thereby improving traction. The rear-wheel drive can be disengaged to minimise soil damage and when travelling on road.

Mowers, mulchers, loaders, shredders, flail arm mowers, snow ploughs/blowers, trailers, sprayers, are just some of the most common implements used with this range of tractors specially designed for ground care, municipal maintenance activities and specialised farming.



*optional



REGULATIONS

Low centre of gravity, constant grip, stability and driver protection systems are just some of the active safety features. The tractor also offers a variety of passive safety features such as the high quality of components, the precision design, the attention to ergonomic principles, the use of environmentally-friendly engines. Another active safety feature is the OPS seat sensor, a dead-man device that allows the tractor to start and move only when the driver is seated.

The powerful braking system acts on the rear wheels. A hydraulically-controlled integral four-wheel braking system is optionally available for haymaking operations on steep slopes. The rear power lift makes for better grip, allowing all four wheels to maintain ground contact at all times. The front and rear differential locks prevent wheel slip while maintaining constant traction. The tractor provides a safe and comfortable driving position and can be fitted with either ROPS or cab.



ERGONOMICS AND COMFORT

The streamlined and racy design of the bodywork mimics the harmonious and resolute lines of the AC top-of-the-range series. Apart from its pleasing appearance, it also gives operators total all-round visibility. The singular compactness of the hood allows the tractor to manoeuvre in the tightest spaces.

The vertical front opening of the hood, assisted by a central supporting strut, ensures ease of maintenance. The perfect engineering of the elements in the engine compartment simplifies inspections to clean the radiator or check the water and oil levels. The powerful radiator, located next to the honeycombed grille at the front of the hood, ensures exceptional heat exchange in all conditions.

The solid cast-iron bumpers protect the engine and radiator and increase the stability of the vehicle thanks to the greater weight on the front axle.



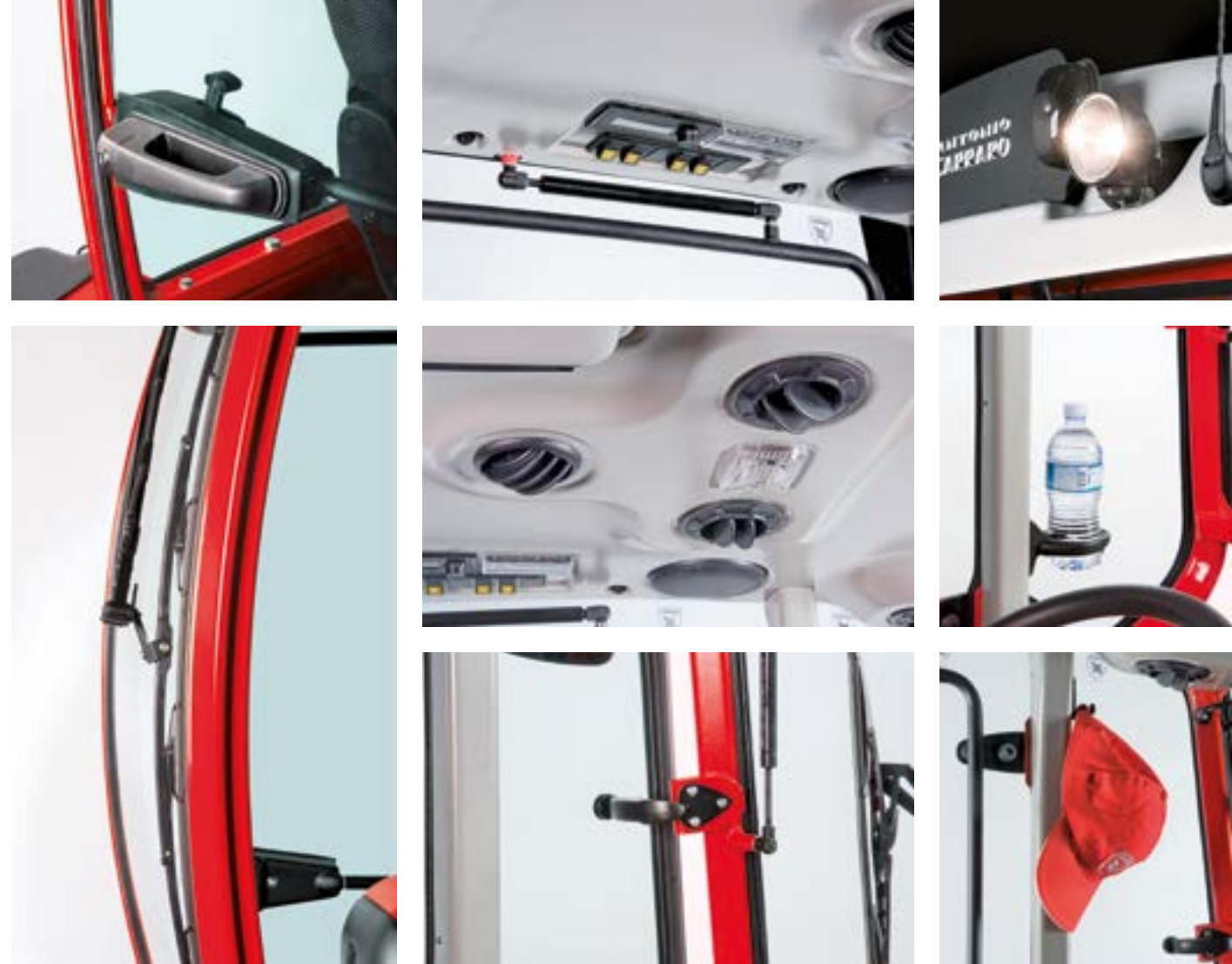


The LCD panel signals the hour counter, speed and revs to the PTO. The digital multifunctional instrument manages all useful signals: LEDs, rev counter, fuel level and temperature.

The innovative lighting equipment integrated into the mudguards (TTR 4800), featuring top quality designer optics, allows use of the tractor round the clock.

The steering wheel tilt is adjustable in the 4800 version with cab.

The rear guards are equipped with comfortable grab handles for driver's safety.



CAB / TOTAL COMFORT

A sturdy build combined with a harmonious design that fits in with the family feeling of the high-end AC tractors.

Equipped with heating, air conditioning and sound insulation, the cab offers the operator a spacious and comfortable working environment with all-round visibility. Even in reverse driving mode, the operator enjoys the same comfort, convenience and practicality. Its compact design and smooth rounded profile allow the tractor to move easily under trees, around obstacles and through tight spots without damage to foliage or bodywork.

Six air-conditioning vents and a powerful filtration system provide a constant flow of clean, cool air within the cab.

*optional only for TTR 4800

OPTIONAL

CUTTING AND COLLECTION

The **RT 1500 HDS** is a professional turbine rotary mower equipped with an innovative system that allows the cutting height to be adjusted in a simple, intuitive manner. The powerful suction turbine fitted onto the deck in mid-centre position ensures efficient collection of the grass clippings without clogging. The turbine features six curved vanes arranged in such a way as to ensure a fluid, clog-free flow of the cut material, including wet grass. The three rotary cutter blades are arranged in a triangular fashion under the deck providing a uniform and precise cut. Featuring a compact design and a smooth and clean shape, the mower has a cutting width of 150 cm and enables working close to kerbs and pavements. A pressure gauge allows the operator to monitor the turbine operation by constantly checking the suction efficiency and the grass level within the collector. The RT 1500 HDS can be placed in a vertical position without the need to remove the cardan joint. This operation can easily be performed by one operator only.

The patented **CT 1000** collector has a capacity of up to 900 litres ensuring a long operating time. This exceptional holding capacity is due to the optimal weight distribution on the ACTIO™ chassis, resulting in outstanding balance and stability. Made from shock-proof and corrosion-resistant fiberglass, the collector has a compact, rounded design that allows the machine to manoeuvre easily even in the most cramped spaces. The cut grass is easily discharged by simply activating the remote valve lever (or the joystick controller), after pointing the discharge opening in the desired direction at a maximum height of 2.15 m. This operation may only be carried out with the machine at a standstill. The CT 1000 collector can be fitted and removed with ease by simply screwing/unscrewing the four fixing screws.



For TTR tractors used in municipal applications, a wide range of optional accessories is available for implements such as snow blades/blowers, salt spreaders and sweepers.

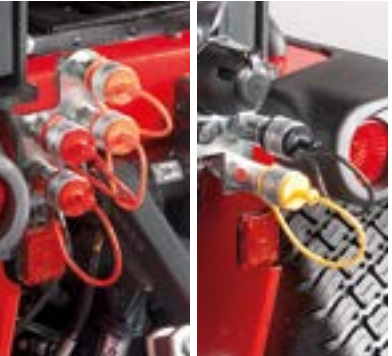
- > ON/OFF joystick controller available with both ROPS or cab version to electrically operate the power lift and control the oil flow to the front and rear hydraulic couplers, with a choice of 2 speed settings (only TTR 4800 with cab.).
- > Power lift and hydraulic outlets with joystick control
- > Hydraulic front lift with top-link attachment
- > Side panels for standard driver's seat
- > Super comfort seat in Matrix fabric with Grammer air suspension (width 400 mm), lumbar support, reclining backrest and automatic weight & height adjustment cab only.
- > Rear lift with double-acting lift rams
- > Curved short lower links
- > Wide front guard extensions
- > Hydraulic integral four-wheel braking
- > Pairs of front and rear ballast weights
- > Coupling systems with front top link for mid-mount implements
- > Wide choice of tyres with different profiles and tread patterns to suit all terrains and applications



> PNEUMATICS GRIP



> JOYSTICK ON/OFF



> HYDRAULIC SYSTEM WITH JOYSTICK



> HYDRAULIC FRONT LIFT



> SIDE PANELS



> GRAMMER SUPER COMFORT SEAT



> DOUBLE-ACTING REAR POWER LIFT



> SHORT LOWER LINKS
> MUDGUARD EXTENSIONS



> HYDRAULIC BRAKES
> FRONT AND REAR WHEEL BALLASTS



> COUPLERS FOR FRONT APPLICATIONS

TECHNICAL DATA: TTR 3800 HST

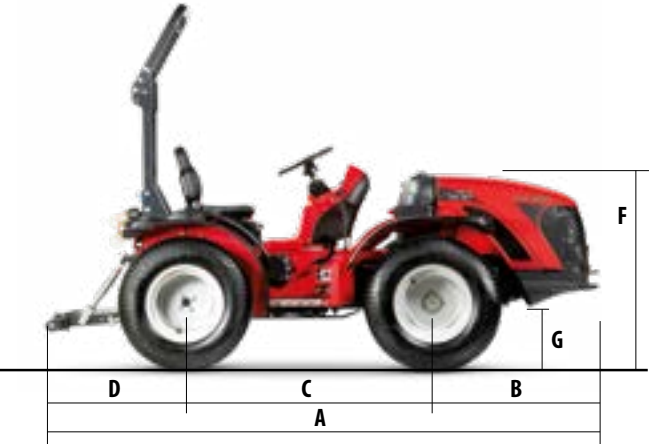
Frame	ACTIO™ full chassis with oscillation • RGS™ Reversibility • Steering wheels • Equal wheel drive	
Engine	Common Rail Direct Injection Diesel	
	Emissions Regulations: Stage 5	No. cylinders: 3
	Engine displacement cc: 1331	Power kW/CV (97/68/EC): 18.9/25.7
	Max engine revs: 2800 (RPM)	Max torque (Nm/revs): 86.8/1300
	Cooling: water	Tank capacity (litres): 30
Transmission	Hydrostatic with hydraulic control	
Power take-off	Rear, independent 2-speed 540 and 1000 rpm	
Shaft	Splined ASAE 1”3/8	
Transmission clutch	Hydraulic control	
Drive disengagement	Mechanical on rear axle	
Hydraulic system	No. 3 double-acting spool valves with rear float position (6 rear quick couplings in total)	
Rear power lift	Hydraulic with 3-point linkage Regulator to control descent on rear power lift Fixed lifting arms with caps cat. 1-1N with connecting spring Rear tow hook cat. B; front tow hook Operating pressure (bar): 140 Lifting capacity (Kg): 910	
Steering	Hydraulic with <i>Load Sensing</i> system	
Brakes	Hydraulically operated drum-type service brakes on rear wheels; Mechanically controlled emergency and parking brake	
Platform	Suspended on Silent Blocks	
Weight	With ROPS (Kg): 1075 to 1125	

STANDARD EQUIPMENT

• RGS™ reversible driver’s seat • Mechanical selector for 3-speed variator: slow/normal/fast • Start consent switch on clutch, PTO, seat and parking brake • Front and rear differential lock • Cruise Control • Speed Fix system • Sprung adjustable seat; seat belts • Support handles on mudguards; flexible widenings for front and rear mudguards • Rear partially foldable roll bar • Horn, lighting system, 12V three-pin and 7-pin power socket • Multifunctional digital dashboard (hour counter, rev counter, speed, PTO revs, fuel level, rear-view mirrors • Halogen headlights, tank cap with key, battery cut-off switch.

OPTIONAL

• Pair of 16” front wheel ballasts (35 Kg each) • Pair of 16” rear wheel ballasts (35 Kg each) • Rear LED work light + LED flashing light - **ROPS only** • Side panels for SC seat • Air suspension seat • Curved short lower links • Front hydraulic power lift (engine side) complete with **A** hitch + 2 replicated front quick couplings • Double-acting rear power lift (2 double-acting cylinders), with system composed of 2 DA with rear float position 1 SA rear float + 1 rear oil return (total 6 rear couplings)



THE 30 SERIES

DIMENSIONS: TTR 3800 HST

E									
7.50-16		6.50-16		29x12.50-15 Terra STG		29x12.50-15 Green		240/70-15 Garden	
E	210		180		310		310		235

Wheels		Dimensions (mm)										
Front/Rear		A	B	C	D	F	G	I	L*	M	N*	O
7.50-16		3325÷3343	944	1361	760÷778	1103	284	2061	1092	877	1152	937
6.50-16		3325÷3343	944	1361	760÷778	1076	257	2034	1035	852	1094	911
29x12.50-15	Terra STG	3325÷3343	944	1361	760÷778	1058	239	2016	1273	950	1354	1031
29x12.50-15	Green	3325÷3343	944	1361	760÷778	1058	239	2016	1273	950	1354	1031
240/70-15	Garden	3325÷3343	944	1361	760÷778	1051	232	2009	1153	926	1152	925

*minimum external width

TECHNICAL DATA: TTR 4800 HST

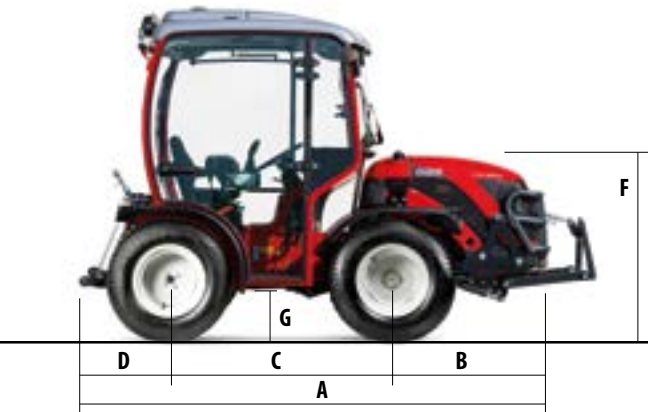
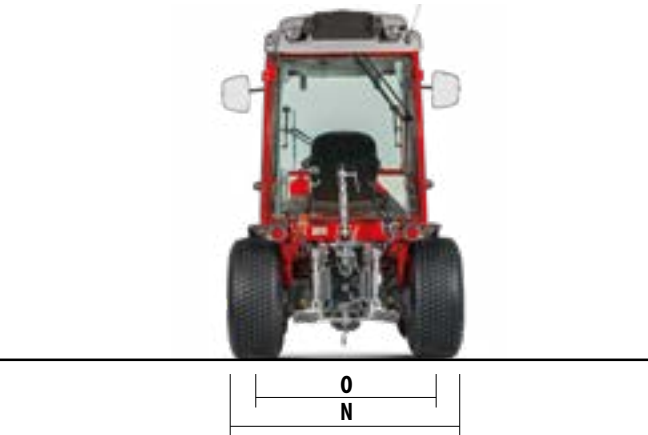
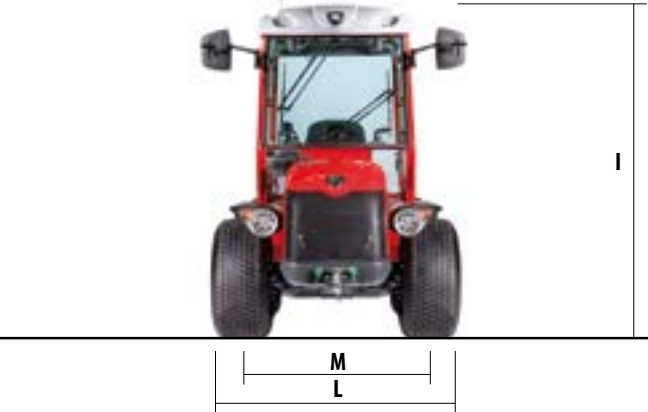
Frame	ACTIO™ full chassis with oscillation • RGS™ Reversibility • Steering wheels • Equal wheel drive	
Engine	Common Rail Turbo Direct Injection Diesel Emissions Regulations: Stage 5 Engine displacement cc: 1568 Max engine revs: 2600 (RPM) Cooling: water	
	No. cylinders: 3 Power kW/CV (97/68/EC): 28.5/38.7 Max torque (Nm/revs): 126/1690 Tank capacity (litres): 30	
Transmission	Hydrostatic with hydraulic control	
Power take-off	Rear, independent 2-speed 540 and 1000 rpm	
Shaft	Splined ASAE 1”3/8	
Transmission clutch	Hydraulic control	
Drive disengagement	Mechanical on rear axle	
Hydraulic system	No. 3 double-acting spool valves with rear float position of which 1 replicated front (8 rear quick couplings in total; 6 rear and 2 front)	
Rear power lift	Hydraulic with 3-point linkage Regulator to control descent on rear power lift Fixed lifting arms with caps cat. 1-1N with connecting spring Rear tow hook cat. B; front tow hook Operating pressure (bar): 140 Lifting capacity (Kg): 910	
Steering	Hydraulic with <i>Load Sensing</i> system	
Brakes	Hydraulically operated drum-type service brakes on rear wheels; Mechanically controlled emergency and parking brake	
Platform	Suspended on Silent Blocks	
Weight	With ROPS (Kg): 1775 ÷ 1225	With cab (Kg): 1325 to 1375

STANDARD EQUIPMENT

- RGS™ reversible driver’s seat
- Mechanical selector for 3-speed variator: slow/normal/fast
- Start consent switch on clutch, PTO, seat and parking brake
- Front and rear differential lock
- Cruise Control
- Speed Fix system
- Sprung adjustable seat; seat belts
- Support handles on mudguards; flexible widenings for front and rear mudguards
- Rear partially foldable roll bar
- Ready for rotating light
- Horn, lighting system, 12V three-pin and 7-pin power socket
- Multifunctional digital dashboard (hour counter, rev counter, speed, PTO revs, fuel level, 2 rear-view mirrors
- Halogen headlights, tank cap with key, battery cut-off switch.

OPTIONAL

- Sound-proof cab with heating and A/C system
- Pair of 16”front wheel ballasts (35 Kg each)
- Pair of 16” rear wheel ballasts (35 Kg each)
- Rear LED work light + LED flashing light - **ROPS only**
- Side panels for SC seat
- Grammar seat width 400 mm with air suspension - **only with cab**
- Air suspension seat
- Couplers for top fitting equipment with front top link
- Tray complete with sides, 95x90x20 cm
- Hydraulic four-wheel braking system
- Curved short lower links
- Widenings for front and rear mudguards
- Front bull-bar.
- Front hydraulic power lift (engine side) complete with A hitch
- Double-acting rear power lift (2 double-acting cylinders) - with system composed of 2 DA with rear float position of which 1 replicated front 1 SA rear float + 1 rear return oil (8 couplings: 6 rear + 2 front)
- Double-acting rear power lift (2 double-acting cylinders) - combined with Joystick 2 (7 couplings: 5 rear + 2 front)
- Joystick-controlled hydraulic system composed of: 2 DA rear float position, of which 1 replicated front; 1 SA rear float; 1 rear return oil (8 quick couplings in total: 6 rear 2 front)
- Joystick-controlled hydraulic system 2 composed of: 2 DA with rear float position; 1 DA with independent front float position; 1 SA with rear float position; 1 return oil (8 quick couplings in total: 6 rear 2 front)



THE 30 SERIES

DIMENSIONS: TTR 4800 HST

E					
	7.50-16	6.50-16	29x12.50-15 Terra STG	29x12.50-15 Green	240/70-15 Garden
E	210	180	310	310	235

Front/Rear	Dimensions (mm)											
	A	B	C	D	F	G	I	I*	L**	M	N*	O
7.50-16	3363÷3376	1086	1359	725	1181	284	2141	2061	1092	877	1152	937
6.50-16	3363÷3376	1086	1359	725	1154	257	2114	2034	1035	852	1094	911
29x12.50-15 Terra STG	3363÷3376	1086	1359	725	1136	239	2096	2016	1245	950	1326	1031
29x12.50-15 Green	3363÷3376	1086	1359	725	1136	239	2096	2016	1245	950	1326	1031
240/70-15 Garden	3363÷3376	1086	1359	725	1129	232	2089	2009	1153	926	1152	925

*height with arc * * minimum external width

SAT

Customer Service Team

ANTONIO CARRARO® ORIGINAL SPARE PARTS AND ASSISTANCE

The AC dealer network utilizes modern equipment and instruments that have been especially designed and built for maintenance work on AC tractors. The technicians at every authorised dealership periodically attend technical training courses at the Parent Company's facilities. Each authorised workshop employs highly qualified staff and provides an extensive range of services in order to offer its Customers maximum peace of mind and total protection. AC dealers can give their Customers information on all the services related to the care of AC tractors.

AFTER-SALES SERVICE

Thanks to the capillary network of dealers and the competence of the Service Managers, the Parent Company can assure all-around skills. With the right maintenance work, every AC tractor will continue to provide excellent performance throughout its operating lifetime.

ORIGINAL ANTONIO CARRARO SPARE PARTS

Original Antonio Carraro Spare Parts is a registered trademark. The elevated standards of design and the stringent tests carried out during the entire production process assure maximum quality levels. With Original AC Spare Parts, Customers can be certain of maintaining tractor performance unaltered over time, thus preserving the safety and the value of the tractor.



EXG MAXIMUM PROTECTION: 4 years without worries!



As a proof of its reliability, Antonio Carraro offers, in addition to its two-year standard warranty, an extension of warranty coverage up to three or four years, called **EXG Maximum Protection**. At the time of purchase or within the first 24 months of the tractor's life (during which all scheduled maintenance services must be performed as recommended in the AC Use and Maintenance Manual), Customers may apply for either a three- or four-year extended warranty, according to their needs.



Whatever coverage they choose, Customers are recommended to have all service performed at any of the **authorised locations of our global dealer network**, where repairs will be carried out by highly qualified personnel using only **AC Original Spare Parts**. In case of sale of the tractor, the warranty coverage may be transferred to the new owner.





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DEALER:

