

TR 5800 | INFINITY

110TH ANNIVERSARY

ANTONIO CARRARO

TRACTOR PEOPLE

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

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.













INFINITY SERIES
THE ULTIMATE SPECIALISTS

A range of professional reversible tractors, with hydrostatic transmissions, organised into five models: the TR in two engine sizes with steering wheels, the SR-SRG with articulated chassis, and the TTR, the wide track version with steering wheels and a low centre of gravity, ideal for hillside farming. The Stage V engines and the innovative hydrostatic transmission are the common feature of this series.



TR 5800 INFINITY

Reversible isodiametric tractor with 4-cylinder 52 hp turbo engine, hydrostatic transmission and steering chassis with medium-narrow track width, stable and safe on slopes, ideal for use with hydraulic or PTO-driven implements for farm work (vineyards and orchards) or municipal use (maintenance of urban green areas, verges or sports grounds).
The reversible driving system and comfortable operator position make working even easier and help reduce operator stress.





ACTIO™
Antonio Carraro exclusive chassis

ACTIO™ is the AC Full Chassis with Oscillation, comprised of a solid cast-iron chassis fixed to the axles and housing the tractor transmission. It features a central pivot with longitudinal oscillation of up to 15° to allow the tractor wheels to follow the contour of the terrain independently, thus assuring stability and traction. The constant grip of the tyres ensures all the engine power is transferred to the ground, increasing performance and safety. With the ACTIO™ chassis, the engine overhangs the frame in order to achieve the lowest centre of gravity possible. The weight of the tractor is distributed with 60% on the front axle and 40% on the rear axle. When implements are attached to the tractor, the weight is evenly distributed with 50% on each axle.







RGS™
Two-way driving position

RGS™ (Rev-Guide System) is the AC reversible driving system on a rotating turret; it allows you to invert the driving direction in just a few seconds for optimum operation with rear or front-mounted implements. The operator simply turns the seat/steering wheel/dash/pedal assembly through 180° for an identical, but reverse, driving direction. If equipped with a joystick, all the auxiliary controls remain in an ergonomic position in both directions. The RGS™ system is an integral part of the tractor's multifunctional features: it simplifies use while improving operating comfort and quality of performance.







STEERING
Precise and tight

The short wheelbase and very tight steering radius make the tractor extremely agile in narrow passages. The steering wheel is sensitive and assures very precise manoeuvring even on steep slopes, in crossways movements and on narrow paths. The hydroguide power-assisted steering provides an incredibly light feeling at the wheel, helping enhance the flow and precision of manoeuvring, regardless of steering speed.





SAFETY
Active and passive

Low centre of gravity, constant grip, stability, and protection of the driving position: these are some of the active safety features in this model, combined with passive safety elements, such as the quality of the components, the meticulous design and the use of environmentally-friendly engines. The braking system, comprised of 4 hydraulically operated oil-immersed disc brakes, guarantees powerful, modulated braking and reliability even with front-wheel drive disengaged. The rear power lift together with any equipment carried helps balance the tractor's weight, which always remains stable on the ground. The electrohydraulic differential locks, whether rear or simultaneous on both axles, prevent any potential wheel slip to maintain traction at all times. The driving position, with roll-bar or RedCab* cabin, guarantees maximum protection for the operator.

*optional



TRANSMISSION
Infinity Hydrostatic

The Infinity hydrostatic transmission allows the tractor to move forward at the desired speed regardless of the engine speed. The tractor is moved with the accelerator pedal (which becomes the “drive pedal”) and there is absolutely no use of the clutch.

The transmission allows you to work in both directions at the same speeds thanks to 2 mechanical ranges: the first one from 0-12 km/h and the second from 0-36 km/h. These ranges are in turn controlled with 3 hydraulic speeds, which can be engaged either manually or automatically, under loads and with no loss of traction.
The drive pedal, in addition to controlling the speed, can also be used to control deceleration, stopping the tractor when released, without having to use the brakes.

In the Profi-pack version (optional), the machine is equipped with the following features: Instant Cruise Control (or Tempomat), Intellifix, Drive Mode, Fast Reverse and automatic transmission, which ensure that the operator can always find the right setting and automate driving the tractor for the task in hand. Furthermore, the Profi-pack also includes Automatic Transmission, the Automotive Memo Cruise Control system, Dual Memo Cruise Control and Drive Finger.

THE INFINITY TRANSMISSION
Its main strength

The true character of any tractor is determined by its transmission. And this transmission, with its special features, is the main strength of this range of professional tractors, featuring technical solutions that make the operator's job easier, thereby increasing productivity and reducing stress.

> HYDRAULIC SHUTTLE
The hydrostatic unit completely gets rid of the need to use the clutch.

> SIMPLE CLUTCH-FREE DRIVING
Use of the clutch is completely eliminated while operating the tractor.

> VARIABLE WORKING SPEED
The operator chooses the driving speed to suit the working conditions, regardless of the engine rpm speed.

> TRANSMISSION-ASSISTED BRAKING
The hydrostatic unit controls the braking, reducing use of the brakes.

AUTOMATIC TRANSMISSION

The transmission changes range based on the required engine load. In case of light loads, the transmission automatically shifts up to a higher gear to reduce the engine rpm and consequently save fuel. While under heavy loads, the transmission instantaneously shifts to a lower gear to make full use of the engine power.

PLUS

> RELIABILITY: the transmission is equipped with sensors that monitor it and keep it efficient for a long time.

> EFFICIENCY: the operator can choose the right speed for each job regardless of the engine rpm speed.

> COMFORT: the operator controls the tractor using only the electrohydraulic shuttle on the steering column and the drive pedal.

> SAVINGS: reduced fuel consumption and operating costs.





INFINITY TRANSMISSION

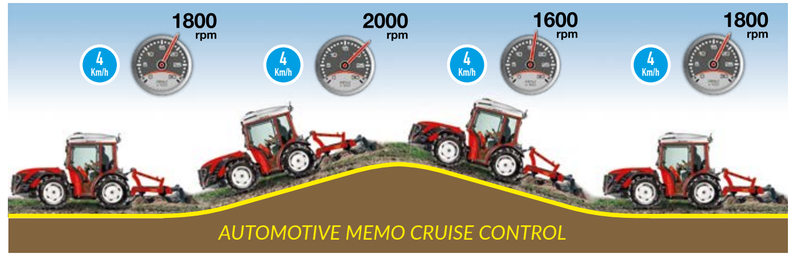
A host of features on the display with one single goal: a tractor that is always at the top of its game for perfect results.

AUTOMOTIVE	This simulates traditional use of the accelerator, making the speed control pedal proportional to the engine revs.
MANUAL RANGE CONTROL	This lets you manually change the three hydrostatic ranges under loads.
SPEED CONTROL*	Speed and rpm parameters can be set instantly or pre-programmed via the tractor software.
MEMORIES*	2 speed memories and 2 engine rpm memories.
AUTOMATIC TRANSMISSION*	The 3 hydrostatic ranges can be engaged under loads either manually or automatically leaving the machine to control the perfect gear.



AUTOMOTIVE MEMO CRUISE CONTROL*

This is designed to maintain a constant vehicle speed at the optimal engine rpm. Whether on level terrain or under a low load from the implement, the tractor works with the engine running at reduced rpm. On encountering an uphill gradient or increased load, the system will automatically increase the engine rpm. The system provides 2 memories which can be managed to meet requirements.





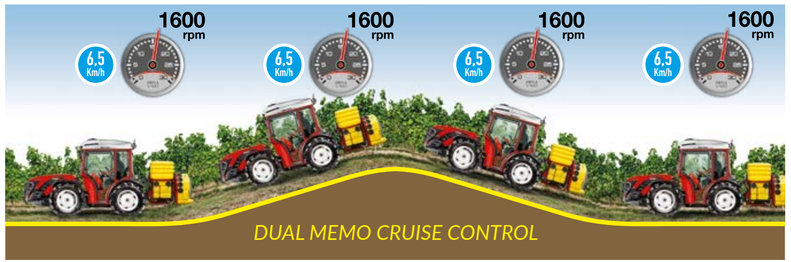
*optional

DUAL MEMO CRUISE CONTROL*

This is designed to maintain constant speed and engine rpm parameters while operating. When working in environments with major changes in gradient or over rough terrain, the system monitors and adjusts the speed of the tractor, both uphill and down, to ensure maximum precision in terms of PTO rpm and speed. One example would be crop protection treatments, where a high degree of precision is required to ensure correct, even spraying with no waste. The system provides 2 memories which can be managed to meet requirements.

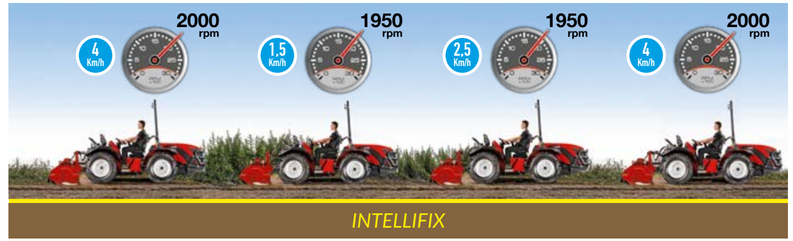






INTELLIFIX*

This innovative system was created to automatically manage and control driving speed and engine rpm.
It automatically reduces the speed when the torque delivered to the PTO exceeds the percentage value set by the operator. In short, it maximises productivity with minimum fuel consumption, while ensuring the engine is never put under excessive strain.



- **INSTANT CRUISE CONTROL* (TEMPOMAT)**
  This instantly sets the driving speed, keeping it constant.

- **DRIVE MODE***
  This allows three different driving styles for each range, both in manual and automatic.

- **FAST REVERSE***
  This maintains Dual Automotive Cruise Control when switching between forward and reverse.



*optional





MACHINE AND IMPLEMENTS
Technology in harmony

The built-in system, formed of the PTO, hydraulic system and power lift, is great for a large number of rear-mounted implements. The power lift is one single vertical cylinder assembly with a 3-point hitch featuring extendable bars and width-adjustable quick couplings (optional).

The independent rear power take-off, either 540/540E rpm or 540/1000* rpm, has progressive electrohydraulic engagement and is synchronised with the transmission. The front-wheel drive disengagement and the locks also have electrohydraulic engagement. The four brake discs act on the four wheels with all-wheel drive and are oil-immersed and hydraulically operated.



DIFFERENTIAL LOCKS CONTROL
Locking the front and rear differentials prevents wheel slip and optimises traction. On more delicate surfaces, it can be useful to disengage front-wheel drive. Also available with electrohydraulic engagement on the front axle (optional).



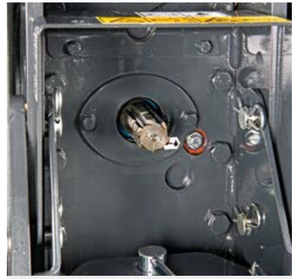
HYDRAULIC TIE-ROD AND THIRD POINT*
This optimises positioning and tilting of the implement.



FRONT POWER LIFT*
The front power lift allows combined use of front and rear implements.



HYDRAULIC LIFT
Category 1 and 2 lift arms.



PTO
Dual speed PTO:
•540/540E rpm (as standard) with progressive electrohydraulic engagement
•540/1000 rpm (optional) synchronised with the gearbox speed. A single 1"3/8 ASAE PTO shaft is used for all speeds.







HYDRAULIC SYSTEM
Rear auxiliary hydraulic system as standard, equipped with 1 double-acting float valve + 1 oil return valve for a total of 3 rear hydraulic connections. The hydraulic system can be further expanded with other fittings that use additional double-acting parts, a drain and a continuous reversible outlet for a total of up to 13 quick rear couplings.

*optional





THE SAME COMPACT SIZE

By carrying out a thorough engineering study, we have been able to install Stage V engines without compromising the tractors' compact size. The dimensions of the bonnet have therefore remained almost the same as the 50 hp mechanical transmission models, thus facilitating operation of the vehicle and guaranteeing an excellent front view. The engine compartment is easy to inspect thanks to the wide-opening bonnet. The cooling pack hinges outwards to make cleaning easier.

UNIFLEX® SUSPENSION
Complete comfort

UNIFLEX suspension (optional) transfers some of the weight of the implement onto the wheels.
It allows the implement to adapt instantly to the contours of the ground, keeping the pressure of the tyres on the ground constant, with consequent benefits for working speed and precision.

The reduced ground pressure has many benefits:
• reduced soil compaction • less resistance when towing and pushing • more grip and stability • greater productivity • reduced consumption • reduced oscillation on the road







ERGONOMICS AND COMFORT

The sleek, streamlined design helps the tractor to manoeuvre in narrow crop rows and increases operator visibility of the implement and the surrounding terrain. The driving position enables easy on-board access, protects the operator and provides plenty of comfortable space. The driving position platform rests on silent-blocks which absorb vibrations and dampen noise levels. Thanks to the ACTIO™ chassis, the driving position is very close to the tractor's central axis of oscillation. Sideways jerking and stress are therefore very limited and operator fatigue is reduced, even after many hours of work.

The on-board instruments are stylish, functional and user-friendly: backlit anti-reflection screen for night time; excellent view of all the information on the multipurpose colour display of the instrument panel; engine rev counter; fuel consumption and level, temperature of the engine and electronics; and diagnostics data of the engine with maintenance instructions. All of this with an analogue display that offers quick, user-friendly consultation of data.





DRIVING POSITION

The concept behind the design of the driving position is to place "everything" within easy reach of the operator in a spacious and comfortable environment. The central transmission tunnel has been kept free of all obstacles and levers, so the operator can get in and out with ease. The tilt of the steering wheel can be adjusted. There is also the option of a comfortable seat with pneumatic suspension (optional) to further enhance on-board comfort. The driving platform, suspended on silent-blocks that reduce noise and vibration, is shielded to isolate the operator from any possible dust infiltration from the ground beneath the tractor.

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REDCAB CABIN
Visibility and comfort

This cabin is one of the most popular options. With its new design, this cab is soundproofed and fitted with an air-conditioning system. The concept behind these cabins with 6 pillars offers the operator on-board 360° all-round vision particularly over the implements and the terrain around the tractor, which is especially important when reversing and working between narrow rows. With specialised implements such as pruning machines, defoliators and double in-row tillers, you are sure to get the best view of the task in progress. The electrical system has been enhanced with the addition of LED lighting (optional) to guarantee excellent visibility while working at night or in dark places. The LED work lights ensure optimum lighting not only of the implements but also the entire area around the tractor. The cab is very compact, but comfortable inside. The sleek profile and tapered shape allow the tractor to move between narrow rows, even on a sideways slope, while the height of the cab is also low.











LOAD-SENSING HYDRAULIC SYSTEM

The Load-Sensing hydraulic system in the TR 5800 Infinity increases the possible use of complex, next-gen implements. Increased hydraulic flow rates with adjustable continuous flows allow for maximum control when managing the most demanding implements, such as in-row tillers or foliage pruning machines.







HRC
HYDRAULIC - REMOTE - CONTROL

When fitted with the maximum number of connections, the hydraulic system can be configured with the new HRC (Hydraulic - Remote - Control) multipurpose control (optional), which allows for simple and proportional control of many specific implements, such as a hydraulic forklift, managing the lowering or lifting of the load in a gradual and precise manner. The extremely compact HRC control, located in an anatomical position on the adjustable armrest of the driver's seat, offers the highest level of operating comfort for tractors in the 50 hp range.

The goals of this new concept hydraulic system include:
• Modular configuration of the hydraulic system based on the needs of every task • High flow rates at low rpm • High performance of the hydraulic circuit • Fuel savings • Increased available hydraulic capacity

ENGINE
Environmentally-friendly and compact

The new Stage V engines used on Antonio Carraro tractors are the best in class and are fitted with DPF particulate filters with an automatic regeneration system that prevents downtime. They provide top torque and power performance combined with reduced fuel consumption, less noise and less gas and particulate emissions, while keeping their compact dimensions for better handling and a reduced steering radius.
The engine on the TR 5800 Infinity is a 4-cylinder Yanmar (2091 cc), with Common Rail direct injection and turbo intake, featuring a power output of 37.9 kW/52 hp at 2600 rpm and a max torque of 170 Nm at 1690 rpm.

The TR 5800 Infinity engine compartment is easy to inspect thanks to the wide-opening bonnet. The cooling pack hinges outwards to facilitate engine maintenance.





BULLBAR
This tubular steel guard protects the bodywork and integrates the third point hitch into the front power lift configuration.



FRONT BALLAST
Perfectly integrated into the bodywork of the tractor, this ballast does not alter the wheelbase or compact size of the tractor.



CRUISE CONTROL
Electronic control of driving speed and engine rpm. This function saves and controls the tractor's speed at the operator's discretion.



QUICK REAR COUPLINGS
Different types of hydraulic systems are available. In the most comprehensive version, the machine is equipped with 13 quick rear couplings, a flow regulator and remote control unit for the hydraulic connections and the power lift, known as HRC.



VERTICAL TIE-ROD AND THIRD POINT
This optimises positioning and tilting of the implement.



COMFORTABLE SEAT
Featuring pneumatic suspension, with retractable seat belts and load adjustment from 50 to 130 kg as well as height adjustment.



POWER TAKE-OFF
Gearbox with 540/1000 rpm rear PTO.



FRONT POWER LIFT
The front power lift allows combined use of front and rear implements.



REAR LIFT ARMS
Various types of arms are available, including a version with no side stabilisers.



WORK LIGHT
Better lighting performance while saving electricity.



OPTIONALS

• ***RedCab*** cabin, closed metal integral body mounted on silent-blocks, soundproofed, opening rear and side windows, electric windscreen wipers and washers on the front and rear, compatibility for work lights, heating system with dust filter, air-conditioning system with digital control unit for automatic temperature control, air vents in various positions including for defrosting, 2 rear-view mirrors, fittings for radio-stereo system, storage compartments, USB charging socket and three-pin power socket.
• Ballasts (2+2 total 88 kg) • Wheel ballasts each weighing 35 kg, with a maximum of two attached to each wheel • Hydraulic system configurable in 6 different versions, including some with an adjustable and reversible continuous outlet, Uniflex suspension and heat exchanger • Damping • HRC remote control • Hydraulic third point • Oversized hydraulic pump • Controlled power and positioning system • Bullbar • Adjustable lift bars • Lift bars with no stabiliser tie-rods • Front power lift • Pneumatic seat suspension • Rear LED work light • 540/1000 rpm PTO • Profi-pack driving package • Drive Finger • Reinforced tow bar • Drive disengagement and front locking with electrohydraulic control and automatically controlled re-engagement system.

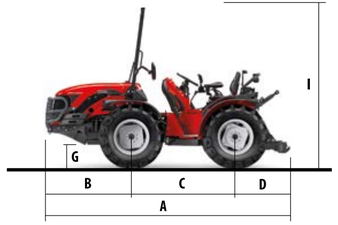
TECHNICAL DATA: TR 5800 INFINITY

Chassis	ACTIO™ Full Chassis with Oscillation • Steering wheels • 4 equal-size drive wheels • RGS™ reversible drive system • Horizontal rear final drives
Engine type	Common rail turbo direct injection diesel Emissions Standard: Stage 5 — No. of cylinders: 4 - 16 Valves Displacement in cc: 2091 — kW/hp (97/68/EC): 37.9/82 Engine rpm: 2600 — Max torque (Nm/rev): 170/1690 Cooling: liquid — Tank capacity (litres): 40
Transmission	Hydrostatic stepless transmission with 3 hydraulic ratios that can be engaged under loads manually or automatically (optional) • Electrohydraulic shuttle • 2 mechanical ranges (work and transfer) • "Automotive" device; Instant Cruise Control, Drive Mode. Optionals: Memo Cruise Control • Memo RPM • Dual Memo Cruise Control • Intellifix • Fast Reverse • Drive Mode.
Power take-off	Rear, independent 540/540E rpm with progressive and synchronised electrohydraulic engagement
Shaft	6 spline 1"3/8 shaft with easy coupling
Drive Disengagement	Front with electrohydraulic control (optional)
Hydraulic system	Rear auxiliary Load-Sensing hydraulic system with 1 double-acting float valve, 1 oil return valve for a total of 3 rear hydraulic connections.
Rear power lift	Lifting capacity (kg): 2200 Lift bars with category 1 ball hitches. Front tow bar; category C height-adjustable rear tow bar.
Steering wheel	Hydraulic with 2 pistons
Brakes	Hydraulically operated oil-immersed rear double disc service brakes. Transmission brake band for emergency and parking brake and with mechanical Super Brake system.
Platform	Suspended on Silent Blocks
Kerb weight (kg)	**Without driver** With roll bar: 1815 ÷ 1955 kg — With RedCab cabin: 1965 ÷ 2105 kg **Kerb weight with full tank of fuel and driver** With roll bar: 1890 ÷ 2030 kg — With RedCab cabin: 2040 ÷ 2180 kg

STANDARD EQUIPMENT

• RGS™ power-assisted reversible driving system • Mechanically operated front differential locking and rear locking with electrohydraulic control • Turret mounted controls • Tilt-adjustable steering wheel • Adjustable sprung seat with safety belts • Height-adjustable rear tow bar • Front tow bar • Electronic speed control • Hydraulic range change under loads • Automotive control system • Battery • Battery disconnect • Safe start-up system on the shuttle, PTO and seat • Adjustable rear work light.







DIMENSIONS

TR 5800 INFINITY



	7.50-16	260/70 R16	280/70 R18	380/60-15	320/65 R18	210/95 R18	250/80 R18
E	210	259	280	375	309	214	318



	29x12.50-15 Terra	29x12.50-15 Garden	31x12.50-15 Terra	33x12.50-15
E	310	310	310	340

Tyres — Dimensions (mm)

Front/Rear	A	B	C	D	G	I	I*	L	M	N	O
7.50-16	3360÷3615	1210	1485	665÷920	261	2223	2169	1240	1025	1187	972
260/70 R16	3360÷3615	1210	1485	665÷920	234	2196	2142	1237	979	1309	1051
280/70 R18	3360÷3615	1210	1485	665÷920	280	2232	2178	1272	982	1379	1089
380/60-15 (field)	3360÷3615	1210	1485	665÷920	257	2219	2165	1523	1148	1543	1168
320/65 R18	3360÷3615	1210	1485	665÷920	281	2243	2189	1258	949	1398	1089
210/95 R18	3360÷3615	1210	1485	665÷920	272	2234	2180	1197	973	1211	987
250/80 R18	3360÷3615	1210	1485	665÷920	282	2244	2190	1213	973	1227	987
29x12.50-15 (Terra)	3360÷3615	1210	1485	665÷920	216	2178	2124	1471	1148	1393	1070
29x12.50-15 (Garden)	3360÷3615	1210	1485	665÷920	216	2178	2124	1471	1148	1393	1070
31x15.50-15 (Terra)	3360÷3615	1210	1485	665÷920	243	2205	2151	1539	1148	1559	1168
33x15.50-15	3360÷3615	1210	1485	665÷920	263	2225	2171	1460	1140	1390	1070

**With cabin*

The descriptions and illustrations in this brochure are intended for informative purposes only, are not binding and are subject to change without notice.

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.

AC SERVICE







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COD. 47318603 – 05/2023