



# AC PRESS

ANTONIO CARRARO NEWS



PRESS RELEASE

20/04/2023

## ANTONIO CARRARO EXHIBITS AT DEMOPARK Stand A-129

Europe's largest open-air trade fair is back after a four-year absence: **DEMOPARK**. The 2023 edition will be held from **18 to 20 June** at the traditional location of the **Eisenach-Kindel** airfield (Germany), where numerous exhibitors from all over the world will have the opportunity to present their innovations for ground maintenance and municipal services on a 25-hectare area.

***At Demopark 2023, Antonio Carraro will be showing a selection of tractors with mechanical, hydrostatic and hybrid mechanical-hydrostatic transmissions intended for civil uses ranging from the maintenance of public green areas and sports facilities to roadways and in activities in greenhouses.***

### THE HYDROSTATICS FOR CIVIL MAINTENANCE

#### SP 4800 HST

The new **SP 4800 HST** isodiametric, mono-directional tractor, with a hydrostatic transmission and an articulated chassis, is fitted with a 3-cylinder **38.7 hp** Yanmar engine. It is a compact tractor with a "full optional" cab that comes with a new LED headlight system that enhance onboard comfort. The articulated **ACTIO™** chassis provides agility and good handling in tight spaces, while working on pavements and in lanes or when moving around plants as well as in parks and gardens. It can be fitted with front and top fitting equipment as it has a loading platform on the bonnet. The joystick and ergonomic controls make equipment handling practical with all functions within easy reach. The cab has air conditioning, a sprung seat with armrests and various features such as a coat hook, storage compartment, charging sockets, etc. for maximum operator comfort. This vehicle's special feature is its very low noise level when working and during road transfers, a quality much appreciated by operators in the sector.

The **HST hydrostatic transmission** has a gearbox with 3 mechanical gears: slow, normal and fast which allows work speeds to be changed by pressing the forward movement pedal. Inversion is achieved with the hydrostatic inverter that can be activated whilst in motion. It is no longer necessary to use the clutch or to insert the gears. The PTO is standard at 540 or 1000 rpm. The differentials are on the front and rear and disengagement of the traction is on the front. The *Speed-Fix* system allows the ideal speed to be set for each task.

Low ground compaction is guaranteed by the perfect distribution of the tractor's weight over all 4 wheels, thanks to the **ACTIO™** chassis which makes this tractor ideal on delicate or soft, damp or even wet, grassy soils without damaging the soil. In these cases, it is fitted with smooth profile "garden" tyres with a wide tread, which increase the tractor's surface area thus providing a sort of "floating" effect whilst guaranteeing ground grip and constant traction. Created as a municipal maintenance tractor, it can be fitted with tyres with chains, top fitting equipment that can be combined with equipment on the lift. All of which can be managed by an electric joystick and a hydraulic system suitable for carrying out tasks professionally. As an option, a powerlift can be fitted on the engine side in order to carry a second piece of equipment.

The model on display at Demopark features the **RT 1500 HDS** 3-blade mower with a grass collection turbine that has a working width of 1500 mm as well as a 900-litre hydraulic tipping box with a tipping height of more than 2 m.

#### TTR 3800 / 4800 HST

Both on display at Demopark, the **TTR 3800 HST** and **TTR 4800 HST** are isodiametric tractors with steering wheels that have reversible drive on an **RGS™** rotating control tower and an HST hydrostatic transmission. They are suitable for professional use in the civil sector, for the maintenance of parks and gardens, sports grounds, racecourses, riding grounds as well as for street cleaning and roadway embankment maintenance.



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The two engine capacities of **25hp** (3800) and **38hp** (4800) are designed to meet the needs of the operators. The **TTR 3800 HST** is an economical (with no additional costs such as particle filters), technological, multifunctional tractor suitable for standard applications in the green and civil maintenance sector. The **TTR 4800 HST** offers greater power and torque and features important accessories like the cab and Joystick. This tractor is aimed at a more demanding market where power performance goes hand in hand with the need for lightness and compactness.

## THE INFINITY SERIES

The latest AC innovations with technical solutions aimed at carrying out precision tasks mean that compact tractor models with a hydrostatic transmission, fitted with reversible drive from the *Infinity Series*, are becoming increasingly more popular. The models on show at Demopark are the **SR 7600 Infinity**, an isodiametric articulated tractor with narrow track, and the **TR 5800 Infinity** with a steering chassis

The **Infinity transmission** is the common denominator of the range; this allows the tractor to work in both directions with the same speeds: from 0-15 with the mechanical work range and from 0-40 km/h with the mechanical road range. Each mechanical range comes with 3 hydraulic ranges, which can be engaged manually or with an automatic gearbox without losing traction. The forward motion pedal assists braking on slopes and brings the vehicle to a halt on its release without having to use the brakes. The *Cruise Control* (or *Tempomat*), *Limit RPM*, *Intellifix*, *Drive Mode*, *Fast Revers*, and *Uniflex* suspension functions allow the operator to always find the right setting according to the task at hand. With the Infinity models, the clutch is only used for starting and acts as a safety device in case the machine needs to be stopped immediately. The electro-hydraulic reverse on the steering wheel is extremely practical for carrying out forward and reverse manoeuvres, even repetitive ones, without using the clutch. The brakes are almost never used because not only does the accelerator pedal control forward movement, it also allows for deceleration until the tractor comes to a standstill; the entire transmission can be controlled by the accelerator pedal alone.

The **TR 5800 Infinity** represents a real new-entry due to its unique **52hp**, Stage 5 engine: it is a model destined for the green sector and the management of parks and gardens. It is an isodiametric tractor with steering wheels and has reversible drive on an RGS™ rotating control tower, whose central tunnel, being free of levers, guarantees ease of access aboard as well as operating comfort. The tractor's compactness and its onboard electronics run by the software guarantees good handling and great ease of use. The control functions of the torque taken from the PTO and absorbed by the wheels protect both the PTO and the engine, even in critical situations. The new hydraulic system provides up to 13 rear couplings. In the "top" hydraulic configuration, the TR 5800 Infinity is fitted with 6 double effect distributors, one of which with a lock position and hydraulic flow adjustment and another floating one. Oil return flow has zero pressure.

## THE TONY SERIES

The **TONY Series** represents the forefront of AC production. It is made up of models with a **hybrid mechanical-hydrostatic transmission** run by software fitted with *SIM – Shift In Motion* technology; it offers 4 speed ranges with electronic control that can be engaged while at a standstill or in motion. It is a compact transmission with automatic functions run by the ITAC operating system (*Intelligent Tractor AC*) as well as *Tractor Management Control* (TMC) which simplify all driver activities. This centralised control system is designed to make sure that the tractor is always working in optimal conditions, in terms of cost savings and productivity. The system guarantees various functions such as the maintenance of parameters during operational activities even when there is a change in gradient while going both uphill and downhill. All the safety systems and monitoring of tractor diagnostics for scheduled vehicle maintenance fall within the *ITAC* system. The operator can set, personalise and memorise the parameters necessary for each task, calling up the selected combinations as and when required and making any necessary changes to them during the various work phases, depending on variations in terrain and type of crop. Speed is independent of engine revolutions as both can be programmed separately. The speed range goes from 100 m/h to 40 km/h).



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The models on show at Demopark are the **TONY 8900 TTR**, isodiametric, reversible with steering wheels and a wide track and the **TONY 8700** the first AC tractor with a conventional mono-directional chassis.

## THE SUPERCOMPACTS WITH MECHANICAL GEARBOX

The **Tigre 3800** is an isodiametric tractor with a **25.7hp Stage 5 Yanmar engine**. A small "all-rounder" ideal for managing small areas of farmland, vegetable gardens, greenhouses and nurseries, as well as parks, sports fields and municipal areas. Its four-wheel drive and ACTIO™ chassis contribute to its comfort and operational safety, by allowing it to work even on extremely uneven terrain. Its compact dimensions (only 990 mm wide) make it perfect for tree plantations in nurseries. Thanks to its four equal-sized wheels and perfect weight distribution, the tractor is stable even when the equipment is lifted, thereby guaranteeing the operator's safety.

**TIGRECAR 3800** is a tractor with a professional loading platform fitted with a **25.7hp Yanmar Stage 5 engine** with four-wheel drive for use on the plain or in the mountains. The transmission is equipped with a mechanical 12-speed gearbox, 8 forward and 4 reverse. The ACTIO™ chassis and the hydraulic brake on all four wheels guarantee traction and safety even when working on slopes. Its "short nose" reduces the turning circle to a minimum while the control centre platform offers comfort and ample visibility on all sides. It has a wide range of end-uses, such as moving timber and hay with its self-loader or muck-spreading. Its standard tipper, characterised by its flush handles without protrusions, is fitted with an opening on the rear side and a three-sided unloader.

## THE TORA SERIES

The **Tora Series** offers unique technical solutions and hydraulic capabilities for the 50 to 60hp power range. The gearbox and PTO are the same as those used on the AC flagship series. The driver's seat is placed on a platform suspended on silent-block to ensure maximum operating comfort. The dimensions of all the models are extremely compact with both **52 and 66hp** engines capacities, offered in six different configurations with the ACTIO™ full chassis with oscillation, whether articulated or with steering wheels; it can be monodirectional or equipped with RGS™ reversible steering.

The model on show at Demopark is the **SRX 5800 Tora**, a reversible and articulated isodiametric tractor with a **52hp Stage 5 engine**. Agile and narrow (only 98 cm), it is the ideal machine for rowed crops. With excellent handling, thanks to its articulated frame and short wheelbase, it is equipped with double oil bath disc brakes and an integrated mechanical *Superbrake* system. Furthermore, the powerful load-sensing hydraulic system, with a flow rate of over 50 l/min, allows the tractor to be coupled to a variety of pull or push-along attachments. The new *Hydraulic Remote Control* allows management of all the equipment. On request it can be fitted with the new REDCab.