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ANTONIO CARRARO NEWS



PRESS RELEASE

01/07/2022

GALABAU 2022 **Nuremberg (D), 14th-17th September** **Stand 9-302**

At GALABAU 2022, Antonio Carraro displays a selection of its models with hydrostatic transmission designed for civil use. From the most compact models distinguished by the initials HST, to the hay making model with INFINITY transmission, up to the top-of-the-range with TONY transmission.

1) HST HYDROSTATIC TRANSMISSION

Features a mechanical selector with 3 speed ratios: slow, normal, fast. This gearbox ensures a constant speed without needing to use the clutch or gears, in both directions (drive or reverse) from 0-6, 0-12, 0-28 km/h. The gear can be reversed while in motion and at any speed. The Speed-Fix system can be used to set the ideal speed for every job.

TTR 4800 HST > ISODIAMETRIC - HYDROSTATIC - STEERING - REVERSIBLE

This model is unique to its kind, combining reversible drive with a hydrostatic transmission. It offers a power of 38hp (Yanmar 4-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 reversible drive on the RGS™ rotating turret and hydrostatic transmission make TTR 4800 HST suitable for maintenance works in parks, gardens, sports fields, racecourses, and riding stables. But also for road cleaning and maintenance, or the upkeep of urban spaces and roadsides, including flame weeding. The PTO is standard at 540 or 1000 rpm. It comes with front and rear locking differential, and rear drive disengagement.

The minimum soil compaction of this machine, guaranteed by the equal distribution of weight on the 4 wheels thanks to the ACTIO™ chassis, makes this model perfect for working on delicate or soft tufted areas without damaging the soil. In these cases it is fitted with slick, “green”, wide tread tyres that increase the support surface, making the machine almost “float” on the ground while nonetheless guaranteeing a constant grip and traction.

The RGS™ reversible drive rotating turret increases the versatility of use for both towed implements (behind the operator in the classic set-up) and driven implements (in front of the operator, in reverse drive). The rear lift unit can be equipped with double-acting cylinders to improve the machine’s efficiency during snow clearing operations with the blade or cutter. A front lift unit on the engine side is also available as an optional, to set up a second implement.



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SP 4800 HST > ARTICULATED, UNIDIRECTIONAL FOR CIVIL MAINTENANCE

New isodiametric, unidirectional model with hydrostatic transmission and articulated chassis. Equipped with a Yanmar 4-cylinder 38hp engine - Stage 5. It is a compact vehicle supplied with a "full optional" cab. The articulated ACTIO™ chassis ensures agility and manoeuvrability in confined spaces for maintenance works on footpaths and narrow streets, snow clearing operations and in slaloms on ski slopes, grass mowing in parks and gardens. It can be equipped with front and rear implements thanks to the loading bed on the bonnet. The PTO is standard at 540 or 1000 rpm. It comes with front and rear locking differential, and rear drive disengagement. The joystick and ergonomic controls ensure practical management of the implements with all functions within arm's reach. The Speed Fix function allows you to set constant work and travel speeds. Moreover, the Memo RPM function makes it possible to call up the pre-set rpm value. The cab has air conditioning, a spring seat with armrests, hangers, and all comforts needed by operators who are busy riding the tractor all day.

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2) INFINITY HYDROSTATIC TRANSMISSION

It offers infinite combinations between drive speed and engine revs, eliminating the use of the clutch for both take-off and gear changes. The tractor advances using only the accelerator pedal. The transmission allows work at the same speed in both directions of travel (each with 3 hydraulic ranges) from 0-15 and from 0-40 km/h, which can be engaged either manually or in automatic mode, without losing traction. The drive pedal assists braking even on slopes, stopping the vehicle when released without using the brakes. The main features, all digitalised, Cruise Control (or Tempomat), Limit RPM, Intellifix, Drive Mode, Fast Revers, ensure the operator can always find the ideal setting for the type of work with the easy-to-use and intuitive button controls.

TTR 7600 INFINITY > SMART HYDROSTATICS WITH WIDE TRACK

An isodiametric hydrostatic model with wide track and low barycentre, steering wheels and reversible drive, equipped with a Kohler 75hp engine, ideal for working on hillsides, such as for hay making. In addition to mowing operations on slopes, it is also suitable for urban maintenance works (embankments) and in public green spaces (sports fields). Available with the very spacious and airy Extra Comfort panoramic cab, equipped with a large platform housing the driver's seat and uprights in full glass, for 360° visibility and constant internal light.

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3) TONY TRANSMISSION

The transmission uses SIM - Shift In Motion technology: it offers 4 electronically controlled speed ranges, which can be selected when stationary or in motion. It is a compact transmission with automatic features controlled by the ITAC (Intelligent Tractor AC) operating system, such as Tractor Management Control (TMC) which simplifies driver operations. Centralised control designed to ensure the tractor constantly works in optimal conditions in terms of savings and productivity. The system guarantees several different functions including constant parameters during work, even during changes in slope, uphill and downhill. All the safety and monitoring systems of the tractor's diagnostics for the vehicle's scheduled maintenance "run" inside the ITAC. The operator can set, customise, and save the parameters of each job, calling up the



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preselected combinations when necessary and making any changes during the different stages, based on variations in the soil and type of crop. The speed is independent of the engine revs: both can be separately programmed. The speed ranges go from 100 m/h to up to 40 km/h.

THE TOP-OF-THE-RANGE OF THE AC HYDROSTATICS

The TONY series offers the best possible performance/consumption ratio with “important” machines able to simplify and speed up operations on the field. It consists of 5 models with hybrid mechanical-hydrostatic transmissions, of which two models will be displayed at Galabau 2022: the articulated TONY 8900 SR and the latest creation, TONY V, the first AC tractor with conventional chassis and hydrostatic transmission.

TONY V: the “super-narrow track”

A finalist for the prestigious Tractor of the Year 2021 award, it is the first AC tractor with conventional chassis, which is unidirectional, with cab, building on the already vast range of “custom” models for each AC client.

The TONY V (Deutz engine - 75 hp - 4-cyl. - 16-valve - Stage 5) with “super-narrow track” is equipped with digital features and software designed to simplify the operator's work: a versatile tractor designed for row crops, a specialist in precision activities. It is intended for operators who need to work with a combination of different implements at the same time. Working comfort is guaranteed by the spacious driver's seat featuring ergonomically positioned controls, and the machine's versatility is ensured by the possibility to apply rear, front and mid-mount implements, even in combination. Its design and build make it particularly suited for work spaces where manoeuvrability and trajectory precision are crucial.

The hydraulic system consists of mechanical gear pumps and one variable hydraulic piston pump. The load-sensing management and enhanced-diameter tubing circuit ensure reduced pressure drops at low engine revs, with high hydraulic flow rates. A solution that drastically reduces the environmental impact, because it also reduces fuel consumption. The hydraulic tank has a 35 l capacity and 2 Zero-Pressure drains: one at the rear and one mid-mounted. The hydraulic flow rate is up to 137 l/min (with extra flow) with a variable displacement pump activated only in case of use. The hydraulic system offers up to 9 independent electronic double-acting distributors (4 at the rear, 5 mid-mounted).

TONY V comes standard with the AIR V cab, featuring the most technologically advanced driver's seat in the entire AC range. The driver's seat is housed on a spacious suspended platform mounted on silent-block, which dampens vibrations and noise. The lowered barycentre and slim centre tunnel ensure easy operator access to the vehicle and a slim, anti-fatigue trim. During work, the view of the rear implement is instant, thus making the operator feel as if they are positioned directly “above” it. The smaller diameter of the front wheels offers a 55° steering angle, resulting in very tight turns. The cab with 4 uprights, spacious and fitted with all comforts, offers automatic climate control which can be managed from the digital display on the driver's console. It is pressurised in Cat. 2 or 4 and Fops and Rops approved. The rear headlights for on-road use are LED, integrated into the roof: their raised position helps increase the maximum visibility in the space surrounding the tractor, even with mounted implements. The rear-view mirrors are electrically adjustable.



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TONY 8900 TR - SR: multi-decorated with TONY transmission

These models are fitted with the Kubota 4-cylinder common rail turbo 72.4hp engine - Stage 5. The **TR** version is with steering chassis, and the **SR** with articulated chassis. They represent the height of the Manufacturer's reversible drive models equipped with a software-managed hydrostatic transmission. A solution allowing the operator to personalise their work during every stage, optimising the result and simplifying the procedures. In recent years, the TONY models have won awards at all major trade shows: Intervitis Interfructa Innovation Award, Smau Innovation Award, Agromasexpo – Agrárgépshow, Tractor of the year 2018 in the "Best of Specialized" category. The SR model was awarded the "Innovation Challenge" and "Vota il trattore" (Vote the tractor) prize at Enovitis in campo in 2019, and the "New product" award at Sitevi in France in 2021.

At Galabau 2022, the articulated TONY 8900 SR model will be on display, designed for precision works but also sowing, fertilising, weeding, and turf treatments. The functions allowing constant speed management ensure consistency during work, avoiding chemical wastage and shortening process times to achieve maximum efficiency, also in terms of fuel savings.

On request, TONY 8900 SR can be fitted with the FOPS and ROPS approved and AIR pressurised cab, with certification in Cat. 4, guaranteeing the operator's isolation against the harmful inhalation of powders, aerosols, and vapours.