

Antonio Carraro at Intervitis Interfructa Hortitechnica 27th-30th November 2016, Stuttgart (D)

3 November 2016 by Antonio Carraro

1) Tigre 4000 – Super-compact all-rounder

Equal-wheeled steering **tractor** 31 hp, rigid chassis, with 3-cylinder **Yanmar** engine (max torque at 1700 rpm), Tigre 4000 replicates all of the characteristics of top of the range **AC** tractors in reduced scale. Besides its aesthetics, its classic oscillating ACTIO™ frame, its low centre of gravity and ground clearance (275 mm) – which also allows for working on extremely difficult lands - the most **compact tractor** of the AC range also offers a large, ergonomic and comfortable driver's seat with easy access. Tigre 4000 is an all-rounder, designed to cater for many maintenance activities or cultivation in public and private green areas, in small agricultural allotments, in vegetable gardens and in greenhouses. The streamlined design, functional for performance in the most restricted areas, offers a perfect frontal visibility. The turning radius remains among the most compact of the category, equal to 2870 mm. The bonnet is equipped with a large stainless steel grid which encloses the engine on three sides and guarantees an excellent thermal exchange. The bonnet's vertical opening enables practical and speedy inspection of the engine. The front bumper, which functions as a ballast and sump guard, is equipped with an integrated tow hook. The PTO has 540 rpm/minute and is synchronised with all road speeds, while the lifter has a capacity of up to 850 Kg.

2) SN V Major – Articulated with four equal wheels

The T Major series is made up of various steering or articulated models, with equal-sized or with larger rear wheels. Its perfect weight distribution over all four wheels, guaranteed by the ACTIO™ oscillating frame, ensures grip, stability and top level safety. The tractors of the T Major Series are endowed with independent PTO, allowing great efficiency when using equipment. In addition the 12 front + 12 rear speed gearbox with inverter is synchronized with the draft position and control lift, with combined adjustment.

The isodiametric, articulated tractor SN offers ergonomics, reliability and versatility in a simple, safe and massively productive machine. The aggressive design (smooth lines, wrap-around fenders and flush sides) supports its agility among any type of vegetation. The tight steering radius and the comfortable, obstacle-free driving seat are the top features offered by SN, along with several hydraulic and tyres options. Available versions: **SN 5800 V** – 50 hp, 4 cyl. Yanmar; **SN 6400 V** – 56 hp, 3 cyl. Turbo VM.

3) SRH 9800 Infinity – speed for all needs

SRH Infinity (Yanmar 4 cyl. 87 Hp turbo) is a compact, articulated tractor with ACTIO™ oscillating frame. The upgraded hydrostatic transmission Infinity consists of two mechanical speed ranges: work (0-15 Km/h) and transfer (0-40 Km/h). Each speed range has three hydraulic speeds that can be shifted on the go through a push-button and ensure seamless speed progressions. The Eco system allows the tractor to automatically maintain the top speed at low engine rpm, assuring low fuel consumption and operation comfort both as far the acoustics, vibrations and simplicity of use are concerned. There is an infinite number of operating speeds, which means it is possible to precisely adjust the speed for manoeuvres and crops that require the operator to maintain a pre-set travel speed. The ESC feature is an active system for the management of the PTO's rpm and operating speed. Both can be controlled and set independently and at the same time, assuring performance uniformity also under discontinuous loads and on bumpy surfaces. This tractor stands out for its precision, compact size, modular design, and manoeuvrability.

4) COMPACT REVERSIBLE WITH CONSTANT VARIABLE TRANSMISSION >

Tony 9800 TR and SR

They are fitted with a 4 cylinder, 87hp engine with a synchronised PTO set at 540/540E, with an electrohydraulic control and progressive engagement. The new AC 2016 models, equal-wheeled with steering chassis (TR) and articulated chassis (SR), both reversible tractors, and emblem of the company's final frontier in terms of constant variable transmissions, are for the first time ever being run by a "Made in AC" software that allows the operator to personalise his working style, thus maximising results and simplifying procedures. On request the tractor can be fitted with a new FOPS and ROPS homologated Cat. 4 pressurised AIR cab, which protects the operator from harmful dust, aerosols and vapours. The Tony, when fitted with the cab, reaches a maximum height of 2.1 metres.

After the introduction of the Tony 9800 TR, fitted with a mechanical/hydrostatic transmission and SIM (Shift in Motion) technology with 4 electronically controlled speed ranges, which can be engaged during motion and which was a "Finalist" in the Tractor of the Year 2017 competition, comes the Tony 9800 SR to enter into production in the articulated chassis version, under the heading "Technical innovation EIMA 2016". It is a particularly agile model when used in rowed crops and when good handling is required. This tractor can be used with many kinds of equipment thanks to its hydraulic transmission, which guarantees modulated starts, the memorisation of the parameters, the personalisation of the operator's working requirements enabling the vehicle to be adapted to his needs and drive style. Amongst the numerous functions of the "ITAC" software

(Intelligent Tractor AC) there is an automatic speed regulation, aimed at maintaining maximum engine torque at selected engine revolutions, achieved by simulating the corrections, normally carried out hundreds of times a day by the operator when driving the tractor. The Tony SR is the model with the narrowest track at 1060mm.

N.B. The model SR has obtained the heading "Innovation" at Intervitis 2016

5) CATEGORY 4 PRESSURISED CABS

After the success of the Protector 100 cab (the first compact, low-profile with Cat. 4 certification to provide pressurisation and maximum isolation of the operator from harmful inhalations of dust, gas and aerosols), the company has continued to move along the conscientious pathway towards obtaining the most "ecological" certification for the new Air cab designed for the new series. Extremely compact also in terms of height (the Protector 100 reaches 1740 mm whereas the Air arrives to 2100 mm) they offer top level comfort. In addition to the series' standard accessories, there is a car radio system, a 12V outlet, front and rear windscreen wipers and washers, rear view mirrors and both are fitted with all possible features that allow operational activities to be optimised such as a streamlined profile, visibility on all fronts and pull-handles. The Air is ROPS and FOPS homologated which also protects the operator against vertical knocks.

6) AC TRACKS AND SEMITRACKS > Design and technology

The Mach 2 (duotrack – 20" front wheel and rear rubber tracks – Steering ACTIO™ chassis, reversible) and Mach 4 (quadtrack with articulated ACTIO™ chassis) with a 4 cylinder, 87hp Yanmar turbo engine with mechanical transmission (16+16), represent the top of the AC range in terms of performance, design and technology. Both reversible, they make complex manoeuvres simple and safe even under extreme circumstances such as on muddy and slippery ground, in adverse weather conditions and on slopes that would be inaccessible for a vehicle with tyres. The rubber track system reduces ground compaction to less of a man's weight. Both are available with the StarLight cab and have a wide range of optional extras to satisfy all requirements. Both have road homologation for speeds of up to 40 Km/h and come in a shiny, black livery, that can be personalised for each customer.

Source: Source: Antonio Carraro S.p.A.