

# ERGITR



## Tracto(R)evolution

# ERGIR



*MACH 4R*

*TGF 10900R*

*TRX 10900R*

*SRX 10900R*

## 7 TOP COMPACTS

*Here is the entire Series R, in line with current legislation regarding Stage 3B emissions for diesel engines. In spite of the introduction of the anti-particulate filters D.P.F. (Diesel Particulate Filter) and D.O.C. (Diesel Oxidation Catalyst) it has been possible to maintain the volume and dimensions of the previous series.*



# Tracto(R)evolution



*10900R*

*TRG 10900R*

*TTR 10900R*

*MACH 2R*

In a single power setting of 98 hp, there are seven versions of the R, all with the code 10900 (TRX, TRG, TGF, TTR, SRX, Mach 4 and Mach 2) each one with ACTIO™, the AC full chassis with oscillation on all variations: steering, low centre of gravity, wide track, articulated or narrow. All have reverse drive technology apart from the mono-directional TGF.

The characteristics are typical of AC tractors: equal-sized wheels (excluding the TGF), narrow track, overhang engine, low centre of gravity, reversible drive (excluding the TGF), ACTIO™ chassis articulated or steering that brings together power and versatility.



# AC WINS THE CHALLENGE!

**SERIES R: WHEN SIZE COUNTS**

*Tape measure in hand, the new Series R is the range of tractors that are the most compact, low and narrow in their category, with the upgrade of the new Stage 3B environmentally friendly engines with their anti-particle filters. Specialised agricultural operators understand the importance of this information perfectly because it means that it is not the operator beholden to the tractor but rather the tractor at the operator's complete service. This is the R revolution!*



## **Series R: when size counts**

Fitted with technical solutions developed so that every moment the operator is aboard is a moment of pleasure, the new Series R tractors are the result of a feat of engineering by the AC technicians that met the challenge right down to the last centimetre: the height of the bonnet is the lowest in its category.

**\* OTHER BRANDS**

Dimensions refer to the **TGF 10900 R** model

Min. height with rear wheels of 18"

Max. height with rear wheels of 24"



# ERGIT R

Tracto(R)evolution

## THE CUSTOMERS

They are fruit producers, wine-producers, specialised agricultural and municipal operators from around the world, brought together in the daily task of producing something excellent, thanks to a work ethos bordering on obsession. For this type of agricultural operator, the height of the bonnet and the tractor's drive position are fundamental as is the height of the roll bar, the cab, the track width and wheelbase.

They are all features that determine the operability of a tractor engaged in the most complicated situations, on plains and slopes, amongst narrow rowed crops or in thick vegetation.



\*Height with operator of average height sitting (175 cm)  
\*\*Calculated height with seat halfway

Dimensions refer to the TGF 10900 R model  
Min. height with rear wheels of 18"      Max. height with rear wheels of 24"



*In spite of the introduction of Stage 3B diesel engines with the D.P.F. and D.O.C. anti-particulate filters, the volume and dimensions of the previous series have been maintained including the height of the bonnet and the drive position.*

*Rear visibility remains excellent due to the height of the seat remaining the same.*

*The ergonomics of the controls and the drive position have been further improved. See the position of the steering wheel and the suspended brake and accelerator pedals. Access aboard is easy from both sides.*

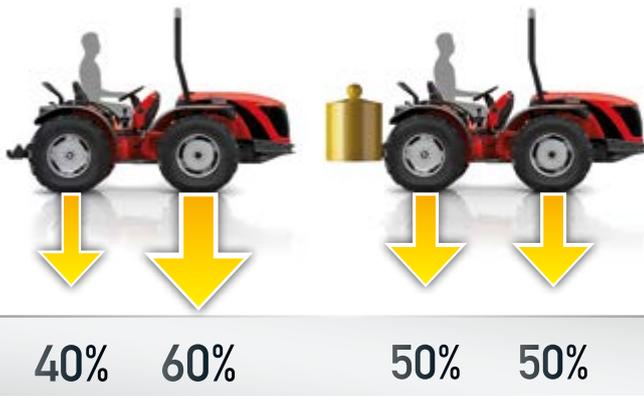
# ACTIO™: the exclusive chassis designed by Antonio Carraro

**ACTIO™**, This Full Chassis with Oscillation is comprised of a solid cast-iron chassis fixed to the axles and housing the tractor transmission. It features a central joint with a longitudinal oscillation of up to 15°. The two oscillating ends follow the contour of the terrain independently, thus assuring stability and traction at all times. The constant adherence of the tires to the ground allows engine power to be entirely transferred to the ground, thus increasing performance and safety.

The ACTIO™ chassis requires a "projecting" engine configuration in order to assure a low center of gravity and an equal division of the weight of the tractor: 60% on the front axle; 40% on the rear axle. This is an ideal balance with implements attached as it distributes 50% of the weight on each axle.



- + **Stability:** baricentro basso e 4 ruote motrici
- + **Safety:** peace of mind
- + **Comfort:** driving position centered over chassis oscillation
- + **Agility:** short wheelbase and reduced turning radius
- + **Adherence:** equal division of weight
- + **Traction:** 4 drive wheels always firmly in contact with the ground





## RGS™: two sides of the same coin

**RGS™ Rev-Guide System**, is the AC reversible driving system on a rotating turret which inverts the driving direction in just a few seconds in order to work efficiently with towed or frontal equipment. Simply turn the seat/steering wheel/dash/pedal assembly 180° for an identical, but reverse, driving direction. If equipped with a Joystick, all the auxiliary controls remain in an ergonomic position. The RGS™ system is an integral part of the tractor's multifunctional feature. It simplifies use and improves the precision and quality of performance. All the models are reversible, apart from the TGF.

PLUS

- + **Comfort:** simple and intuitive RGS™ system without double controls
- + **Visibility of equipment:** driving position in the center of the vehicle, in both directions
- + **Versatility:** greater profitability of tractor

180°



RGS™



# MACHINE AND EQUIPMENT: an integrated technological system

## ENGINE

The new Kubota Stage 3B engines with 98 HP are fitted on all AC models of the ERGIT R series. These new engines with Common Rail electronic injection, in addition to guaranteeing optimal functioning, also allow the perfect integration of other technical apparatus with the transmission, thanks to the CAN bus system.



## TRANSMISSION/GEARBOX

The gearbox has 16+16 speeds and a synchronised inverter. The new transmissions, improved upon in terms of the dimension and quality of their components are able to withstand power overloads. The large clutches guarantee proven reliability.

The **PTO** (540/540E/1000 opt./ synchronised, independent with oil bath clutch engagement) has a progressive electrohydraulic control. It has a safety starting device on the inverter and the PTO; front and rear differential blocks, applicable simultaneously or only on the rear via an electrohydraulic control; transmission clutch with hydraulic control.

The **E-DRIVE\*** is just one of the most frequently requested "intelligent" accessories: a direction and speed range inverter that allows the operator to keep his hands on the steering wheel and to enjoy greater comfort thanks to the elimination of the two levers on the central tunnel.



\*optional





## COMFORT

The controls on the dashboard are positioned in a logical sequence. The antireflective screen displays all of the tractor's functions, of which there is Cruise Control for the electronic control of forward speeds and the revolutions of the PTO of which two values can be set and recorded. On the same screen it is possible to read real time fuel consumption, the quantity of power drawn, battery tension and more besides.

**Nota Bene** > roll bars according to the new Mother Regulation: they are fitted with a system to allow their rapid autonomous collapse by the operator.



## HYDRAULIC SYSTEM

The hydraulic system is made up of high quality DIN connectors, with 3 distributors for a total of 6 quick release rear catches. It is a double circuit with independent pumps for the work groups and thermal exchanger for the cooling of the system oil. The service pump for the groups delivers about 28 litres of oil per minute, whilst that for the distributors and the powerlift can reach 49 litres per minute

The **JMC\*** – **Joystick Multi Controller** was developed in accordance with the most innovative design criteria in order to increase the ergonomics and flexibility of the electrohydraulic accessories. Practical and ergonomic, it is the main instrument for reducing operative stress.

## DAMPING

All the models are fitted with the damping system, which reduces the oscillation of the rear lift and provides maximum comfort during road transfers whilst carrying equipment. An electronically controlled draft control lift is also available (excluding the TTR).



- + **Reliability:** long lifetime of the clutch
- + **Efficiency:** wide range of speeds
- + **Comfort:** smooth engagement without jerking the engine
- + **Saving:** lower fuel consumption and reduced running costs



\*optional



# AIR and PROTECTOR 100 cab pressurised and Category 4 certified



All of the models, including the Mach are fitted with a pressurised cab with Category 4 certification that guarantees maximum isolation of the operator from the inhalation of harmful substances such as dust, gas and vapour, in full accordance with European legislation "UNI-EN 15695-1".

The **AIR** is fitted with double homologation ROPS and FOPS (vertical impact).

The super-low-profile **Protector 100** is designed for the models with a low centre of gravity such as the TGF and measures just 1740 mm at its apex.

*AIR cab*



*PROTECTOR 100 cab*



**DESIGN**> integrated with the driving seat, soundproofed and thermally isolated.

**VISIBILITY**> on all fronts thanks to the essential structure of the uprights, with curved windows.

**COMFORT CERTIFICATE** > the heating and pressurisation system (Certification Cat.4: operator protection from dust, gas and aerosol) is controlled electronically with a display positioned on the cab's roof; FOPS and ROPS homologation.

**PRESSURISATION**> each purchaser can choose their optimal level of protection up to Category 4 (maximum level of operator isolation from harmful dust, gas and aerosols).

**RUNNING COSTS**> the internal and external illumination system with led guarantees minimum energy consumption; up to 8 external work headlights.

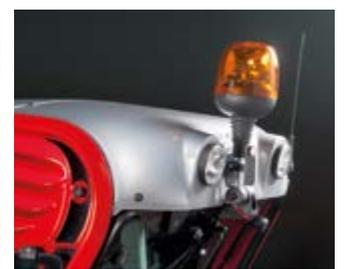
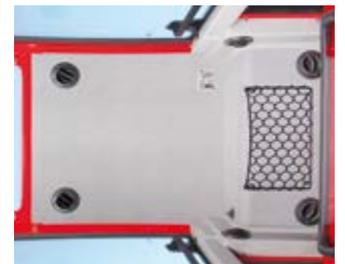
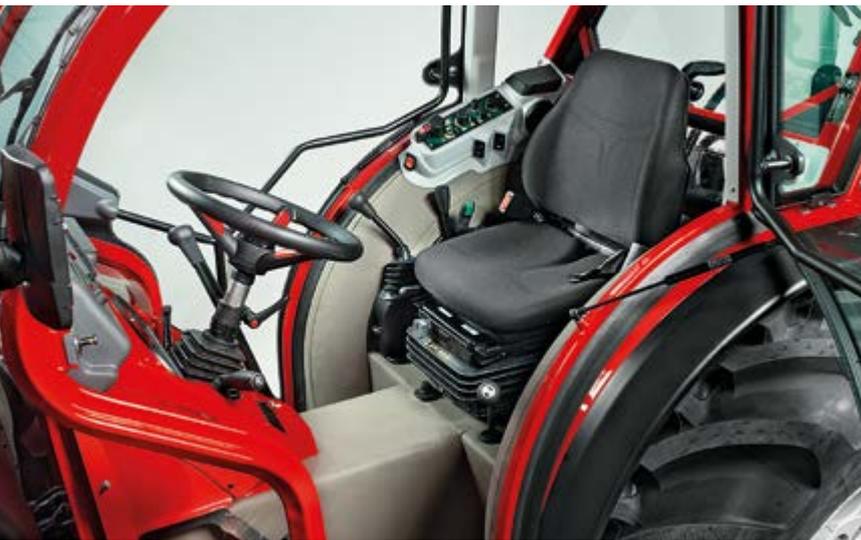




# PROTECTOR 100

The **AC super-low profile Protector100** cabs (minimum h 1740 mm) were designed to protect operators while working on crops that are difficult to access, such as sloping rows or crops planted on steep slopes, but also to isolate them from the external ambient during treatment with plant protection products. The hermetic seal and controlled pressurization guarantee a healthy workplace free of toxic fumes. Despite its compact size, Protector100 provides easy and obstacle-free access. All the controls are ergonomically positioned in a logical sequence.

**Customers can choose between three cab options:** Protector S, the super-low profile Cat. 1 cabin, Protector 100 with Cat. 1 certified pressurization system (protection against dusts and pollens, electronic climate control) or **Protector 100 with Cat. 4 certified pressurization system** (protection against dusts, aerosols and vapours, electronic climate control).



# ERGIR

Tracto(R)evolution



## TGF 10900 R

### TGF R

**CHASSIS** ACTIO™ – Full chassis with oscillation  
Steering wheels • 4 unequal wheel drive

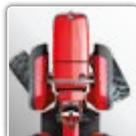
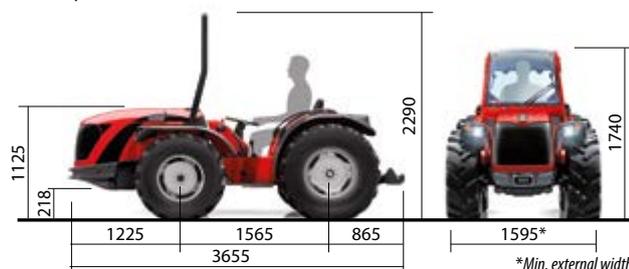
**ENGINE** KUBOTA - 4 Cylinders - 16 Valves - TURBO  
Stage 3B - Common rail - Electronic control injection and EGR  
72,1 kW / 98 HP - 2400 rpm - 3769 CC

**PTO** Independent and synchronised at 540/540E rpm

**BRAKES** Hydraulic front and rear disk brakes in oil bath,  
rear steering brakes

**WEIGHT** (kg) 2120 ÷ 2370 with roll bar  
2325 ÷ 2405 with Protector cab

**DIMENSIONS** With tyres 260/70 R16 Front - 340/65 R18 Rear



**TRANSMISSION**  
**16+16**  
SYNCH. INVERTER

**KM/H**  
**40**

**OPT**  
**CAB**  
Protector



# TRX 10900 R

## TRX R



**CHASSIS** ACTIO™ – Full chassis with oscillation • Reversibility RGS™  
Steering wheels • 4 equal wheel drive

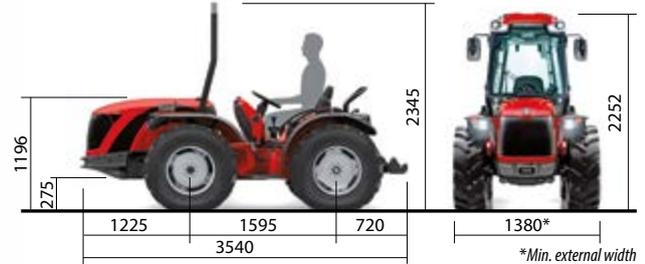
**ENGINE** KUBOTA - 4 Cylinders - 16 Valves - TURBO  
Stage 3B - Common rail - Electronic control injection and EGR  
72,1 kW / 98 HP - 2400 rpm - 3769 CC

**PTO** Independent and synchronised at 540/540E rpm

**BRAKES** Hydraulic front and rear disk brakes in oil bath,  
rear steering brakes

**WEIGHT (kg)** 2130÷2230 with roll bar  
2320÷2420 with AIR cab

**DIMENSIONS** With tyres 250/80-18 Front/Rear



**TRANSMISSION**  
**16+16**  
SYNCH. INVERTER

**KM/H**  
**40**



# TRG 10900 R

## TRG R



**CHASSIS** ACTIO™ – Full chassis with oscillation • Reversibility RGS™  
Steering wheels • 4 unequal wheel drive

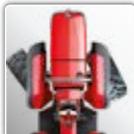
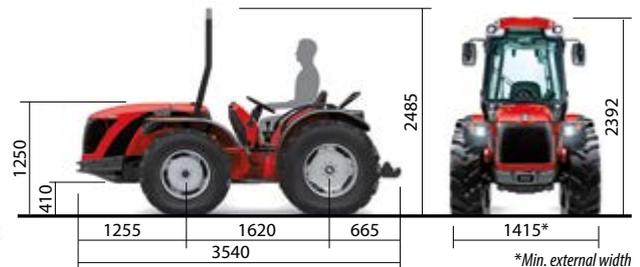
**ENGINE** KUBOTA - 4 Cylinders - 16 Valves - TURBO  
Stage 3B - Common rail - Electronic control injection and EGR  
72,1 kW / 98 HP - 2400 rpm - 3769 CC

**PTO** Independent and synchronised at 540/540E rpm

**BRAKES** Hydraulic front and rear disk brakes in oil bath,  
rear steering brakes

**WEIGHT (kg)** 2225÷2405 with roll bar  
2415÷2595 with AIR cab

**DIMENSIONS** With tyres 280/85 R20 Front - 320/85 R24 Rear



**TRANSMISSION**  
**16+16**  
SYNCH. INVERTER

**KM/H**  
**40**



# TTR 10900 R

## TTR R



**CHASSIS** ACTIO™ – Full chassis with oscillation • Reversibility RGS™  
Steering wheels • 4 equal wheel drive

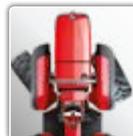
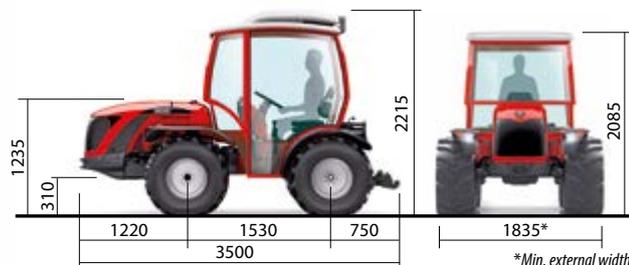
**ENGINE** KUBOTA - 4 Cylinders - 16 Valves - TURBO  
Stage 3B - Common rail - Electronic control injection and EGR  
72,1 kW / 98 HP - 2400 rpm - 3769 CC

**PTO** Independent and synchronised at 540/540E rpm

**BRAKES** Hydraulic front and rear disk brakes in oil bath,  
rear steering brakes

**WEIGHT (kg)** 2165÷2355 with frame  
2295÷2485 with ExtraComfort cab

**DIMENSIONS** With tyres 31x15.50-15 Terra Front/Rear



**TRANSMISSION**  
**16+16**  
SYNCH. INVERTER

**KM/H**  
**40**

**OPT**  
**EXTRA**  
**COMFORT**  
CAB

# SRX 10900 R

## SRX R



**CHASSIS** ACTIO™ – Full chassis with oscillation • Reversibility RGS™  
Articulated • 4 equal wheel drive

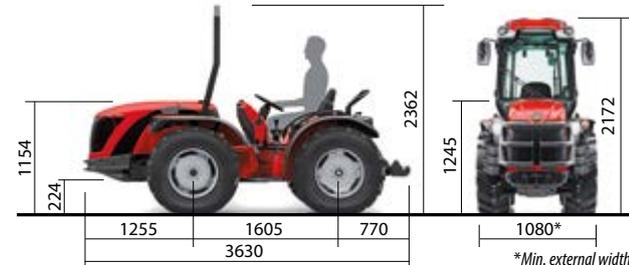
**ENGINE** KUBOTA - 4 Cylinders - 16 Valves - TURBO  
Stage 3B - Common rail - Electronic control injection and EGR  
72,1 kW / 98 HP - 2400 rpm - 3769 CC

**PTO** Independent and synchronised at 540/540E rpm

**BRAKES** Hydraulic front and rear disk brakes in oil bath

**WEIGHT (kg)** 2125 with roll bar  
2260 with AIR cab

**DIMENSIONS** With tyres 9.5 R20 Front/Rear



**TRANSMISSION**  
**16+16**  
SYNCH. INVERTER

**KM/H**  
**40**

**OPT**  
**CAB**  
**AIR**

# MACH 2 R

## MACH 2 R



**CHASSIS** ACTIO™ – Full chassis with oscillation • Reversibility RGS™  
2 rear tracks and 2 front steering wheels

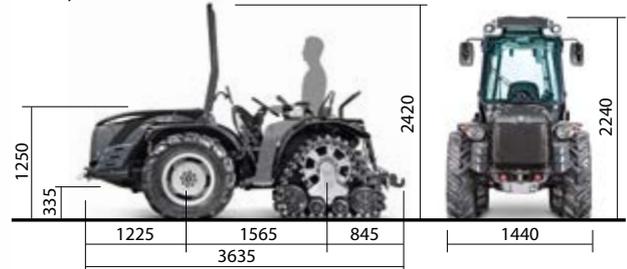
**ENGINE** KUBOTA - 4 Cylinders - 16 Valves - TURBO  
Stage 3B - Common rail - Electronic control injection and EGR  
72,1 kW / 98 HP - 2400 rpm - 3769 CC

**PTO** Independent and synchronised at 540/540E rpm

**BRAKES** Hydraulic front and rear disk brakes in oil bath,  
rear steering brakes

**WEIGHT (Kg)** 2980 with roll bar  
3130 with AIR cab

**DIMENSIONS** With tyres 250/80 R20 Front



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# MACH 4 R

## MACH 4 R



**CHASSIS** ACTIO™ – Full chassis with oscillation • Reversibility RGS™  
Articulated • 4WD quadtrack

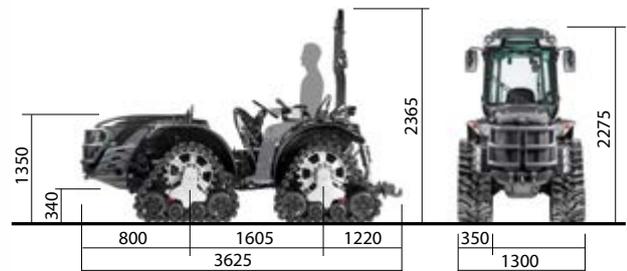
**ENGINE** KUBOTA - 4 Cylinders - 16 Valves - TURBO  
Stage 3B - Common rail - Electronic control injection and EGR  
72,1 kW / 98 HP - 2400 rpm - 3769 CC

**PTO** Independent and synchronised at 540/540E rpm

**BRAKES** Hydraulic front and rear disk brakes in oil bath

**WEIGHT (Kg)** 3080 with roll bar  
3230 with AIR cab

**DIMENSIONS**



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# ERGITA<sup>R</sup>

Tracto(R)evolution



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