



**TIGRECAR**

**TIGRONE  
SERIES**



# TIGRECAR: Transporters for very different needs

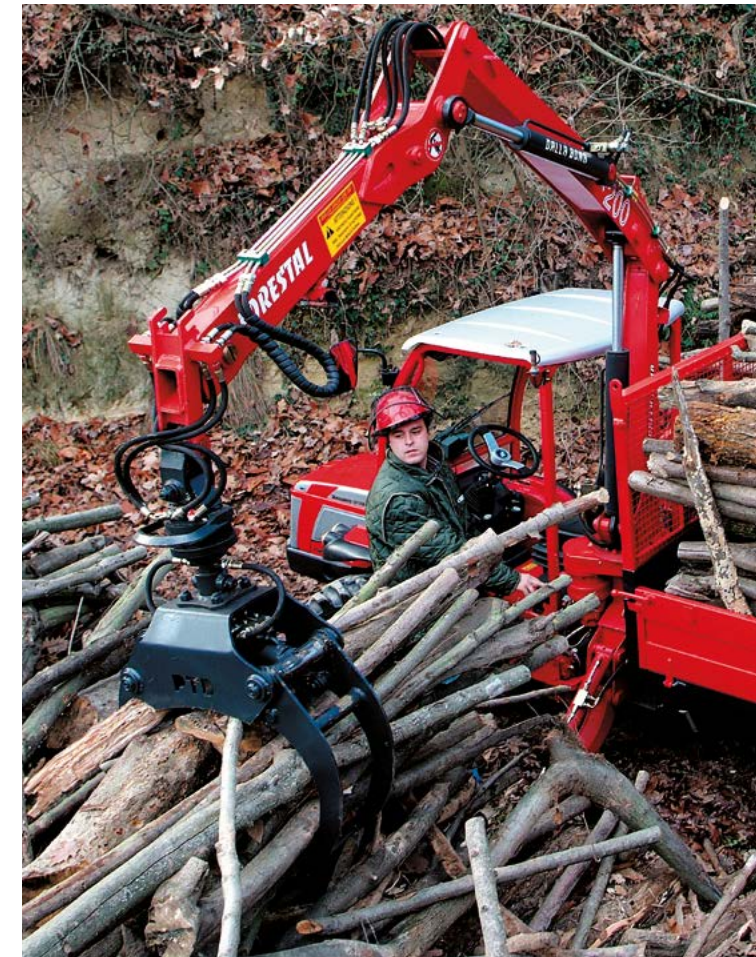
Ergonomic and reliable, versatile and manageable, high productivity and safety: those working in agriculture and civil maintenance today have a variety of different and evolved needs. The Tigrecar transporters from the Tigrone Series were designed with a completely new concept in order to offer the modern operator technology, functionality and comfort. The same streamlined design is geared towards supporting the operator. A streamlined profile with reduced dimensions contributes greatly to vehicle manageability in difficult narrow spaces, as well as operating amongst rowed crops on hills and mountains without damaging the crops whilst optimising working time.



Comfort and safety are guaranteed to the top degree thanks to the drive platform, rational in terms of space and ergonomics, designed to allow the worker to work longer hours without stress. The reliable and ecological engines with a choice of powers for all activities have 16 and 24 speed gearboxes with a synchronised inverter, thereby guaranteeing each operator a wide speed range in both drive directions. ACTIO™, the full chassis with oscillation, is available in the "PC" (short wheelbase) or "PL" (long wheelbase) versions guarantees an equal weight distribution over the four wheels and thereby affords the vehicle with extraordinary grip and stability.

## TRANSPORTER

The steering wheels, synonymous with grip and stability, determine exceptional manageability and agility even in narrow spaces. Such great reliability, combined with a unique ease of use and maintenance, turn the Tigrecar into a top of the range transporter!







## GUTS AND VERSATILITY make all the difference



It is plain to see that the tractors from the Tigrone Series are special: it is enough to look at their aggressive yet harmonious design with their curved streamlined mudguards to understand quite how manageable they are in all situations.

The personality of these vehicles can be seen immediately: when being driven in the most difficult situations, the operator can get a feel for its reliability, strength and agility from the maximum performance of the engine. The final reducers on the front and rear wheels guarantee the vehicle's stability.

The distance between the axles provides each version with its ideal wheelbase in terms of decisive steering and minimum turning circle, even on steep slopes, without risk to the operator. The 30° steering angle allows dramatic changes in steepness to be coped with easily.

Specialised agriculture, sports grounds and recreation fields, public green areas, building sites, nurseries, road maintenance, forestation ... there is no limit to the possibility of use for the Tigrecar Tigrone Series: a high technological and qualitative choice made to fit all situations and all operators.

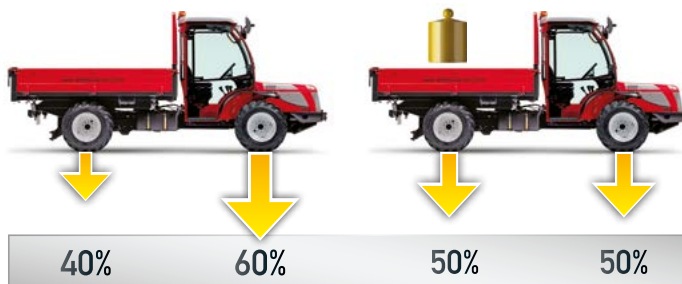




# ACTIO™: the exclusive chassis designed by Antonio Carraro

ACTIO™

**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.



PLUS

- + **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





# STEERING WHEELS: incredible manageability

It moves in narrow spaces with extreme agility. It repeatedly moves in and out of rowed crops with precision and rapidity. This is another important advantage of this compact transporter from the Tigrone Series, fitted with steering wheels that allow unbeatable performance in terms of manageability.

The manageability and ease of drive are also guaranteed by the new hydraulic steering: sensitive and responsive in order to reduce fatigue, improve control and increase the vehicle's active safety by ensuring rapid response in the case of difficulty and unexpected problems.

PLUS

+ *Handiness: comfort*



With the Tigrone Series models the Antonio Carraro research has looked to take care of all the details associated with guaranteeing maximum active and passive safety levels by surrounding the operator with careful attention and special solutions. The **ACTIO™** chassis keeps the centre of gravity particularly low guaranteeing maximum stability even in very difficult circumstances. On very steep slopes the transporter moves laterally so as to avoid rollovers. In addition to this there is the hydraulically controlled rear differential lock which rules out the risk of dangerous sliding.

The **brakes have hydraulically controlled oil bath disks** on all four wheels that do not suffer from wear and tear and do not need to be adjusted. Braking is gradual and accurate. The sealed housing guarantees the vehicle's reliability even in extreme situations due to climatic conditions or the need to cross rivers. On request, the Tigrecar of the Tigrone Series can be fitted with a braking system named Superbrake, particularly useful for carrying out tasks on extreme slopes. This device can be activated at any given moment by the operator, especially when working on slopes, with the tractor stopped.



## SAFETY: active and passive



# FEELING BETTER working better

The Tigrone Series reaches new heights in comfort and ergonomics allowing its driver to cope with hours of work every day without experiencing stress and still obtaining great results. Protective, comfortable and accessible, the drive position offers a perfectly comfortable space with all of its controls in a logical sequence, including the pedals and levers. Furthermore optimal visibility of the front of the tractor and its control board, fitted with a dashboard with "on-off" LED in order to keep the situation well under control whatever the light conditions.

The drive platform is positioned directly above the front axel, in the best position to obtain optimum stability even when coping with obstacles or difficult ground. The moulded driver's seat is comfortable and well-sprung and is situated on the suspended platform covered completely in an insulating barrier and soundproofed with Silent-Block anti-vibration devices. Furthermore: several compartments and drinks holders are situated on the driver's side to increase wellbeing during work.



The adjustable steering wheel allows any operator to find his ideal driving position. On the left of the driver's seat there is a large glove compartment with a soft rest that is very useful for storing the operator's things and tools.



PLUS

- + **Compact dimensions:** easier operation and functionality
- + **Automobile style comfort:** less fatigue even with long working hours
- + **Easy and accessible controls:** greater drivability and total control
- + **Drive position on the front axel:** perfect visibility and protection





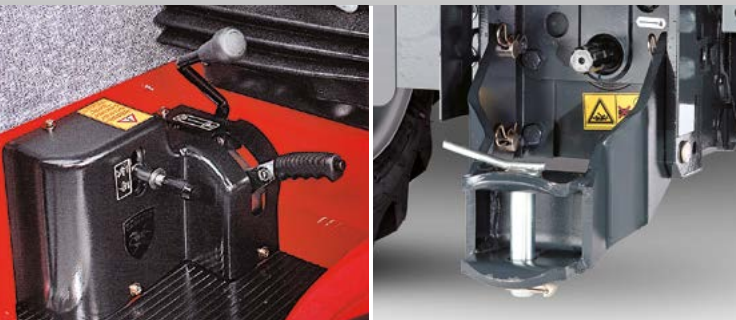
**PERSONALITY  
ENDURANCE  
POWER**





# THE TIGRECAR AND ITS APPLICATIONS: Working perfectly together

**VERSATILITY  
CREATIVITY  
SAVING**



The independent PTO\* (on models with 24 speeds), special to Antonio Carraro transporters, with its oil bath multidisk clutch allows for speeds of 540/1000 rpm and is ideal with specific equipment such as self-loaders, muck spreaders, crop sprayers etc. Gradual engagement and optimal power yield make for accurate and comfortable work that is also highly productive. Furthermore, the synchronised PTO is essential when using a second trailer with driven axle.

Three different devices are standard for equipment attachment, an adjustable trailer hook, PTO, hydraulic distributor for the remotes (or other lifting devices) all with safety devices, guarantee maximum versatility of use in a wide variety of sectors: from specialised agriculture to green area management, from industrial applications to forestry operations, all with just one compact multifunctional tractor.

#### Loading capacity

The total mass is guaranteed at 45 q. / 9920 lbs. in fields and building yards.

#### Trailer capacity

The Tigrecar has an overall trailer weight of 60 q. / 13.200 lbs.



- + *Less engine load effect during engagement*
- + *Less stress to the PTO shaft*
- + *No effort required by the operator*
- + *Reduction in running costs*

\*optional







# TRANSMISSION AND GEARS: many speeds in a logical sequence

The new transmission on the models of the Tigrone Series offers a synchronised gearbox with 8 forward speeds and 8 reverse speeds with inverter or 12 + 12 speeds with independent PTO (optional). The clutch is a gentle *ACSuper-Soft*, which guarantees accurate engagement with gentle, progressive movement. This allows for the choice of a logical sequence of speeds appropriate to all types of activity, situation and terrain, with maximum ease and versatility.

The maximum speed is 40 Km/h (25 Miles/h). The inverter permits the movement from forward to reverse gear and vice versa. An advantage that leads to less stress and lower working times and especially useful during activities that require frequent and repetitive changes in direction such as when moving material or in narrow spaces.



# ENGINE: powerful and quiet

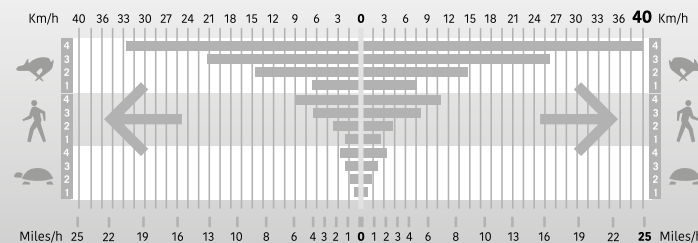
The engines are at the top of their category and offer unbeatable torque and power performance as well as lower fuel consumption, lower noise, and lower carbon emissions. All the engines comply with "STAGE 3A" standards which limit the harmful emissions of diesel engines. Thanks to this new generation of engines, the company has achieved new goals in terms of efficiency and cost-effectiveness.



40  
Km/h

PLUS

- + **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



PLUS

- + **Reliability:** quality of components
- + **Performance:** maximum efficiency
- + **Comfort:** minimum vibrations, noise, and emissions
- + **Saving:**
  - € less maintenance costs
  - € rapid amortisation
  - € lower fuel consumption



# CAB: Good Health is Everything

With the use of the cab the operator can work with less stress and fatigue, which means that they can spend more time behind the wheel and increase productivity. With the cab a series of factors that are harmful to the operator are eliminated such as noise, inhalation of noxious gases, adverse weather conditions and dust. The operator is completely isolated in the cab and able to protect his hearing, skin and lungs whilst working in a calm and safe environment. The Tigrecar cab (optional) is completely closed: an important development in the transporter category, vehicles designed to carry out tasks involving the movement of materials, often dusty, in both fields and on building sites.

The cab has wide access and the driving space is comfortable and spacious. The ultra-low “coupe” profile grants the operator agile movement in confined spaces, in the presence of thick foliage or when the area demands a minimum height of 2 metres.

Soundproofing is excellent, as is the operator’s visibility thanks to the structure of the uprights on which a large 360° window is fitted. The cab has a central heating system with vents for the recycling of air over the door and in addition it is fitted with a radio.

\*optional



**COMFORT  
VISIBILITY  
SAFETY**





# SAT: Customer Service Team



RICAMBI ORIGINALI  
GENUINE SPARE PARTS

## 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.



**GUARANTEE**

### 24 months of warranty

24 months means giving Customers greater trust in what they have purchased and the certainty that they can count on a constantly available and highly qualified assistance service. A net of authorized centers assure efficient and professional maintenance on 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.









# TECHNICAL DATA: TIGRECAR 8400

PC (Short wheelbase) / PL (Long wheelbase)

**TIGRONE**  
SERIES

Model	8400 PC	8400 PL
<b>Chassis</b>	"ACTIO™" – Full chassis with oscillation • Steering wheels • 4 equal wheel drive • Front and rear final drive	
<b>Engine Type</b>	Diesel direct injection with counter rotating weight system	
<b>Emissions Regulations</b>	Stage 3A	Stage 3A
<b>Cylinders</b>	3 Turbo Intercooler	3 Turbo Intercooler
<b>Displacement (cc)</b>	2082	2082
<b>Output kW/HP (97/68/CE)</b>	47,8/65	47,8/65
<b>Max engine rpm</b>	2300	2300
<b>Max. torque (Nm/rpm)</b>	215/1400	215/1400
<b>Cooling system</b>	Water	Water
<b>Fuel tank capacity (litres)</b>	48	48
<b>Transmission</b>	Gear box with 16 speeds: 8 forward, 8 reverse synchronised with inverter - 40 Km/h	
<b>Power take-off</b>	Standard speed 540 rpm and synchronised at all gear speeds	
<b>Shaft:</b>	Profile 1 3/8 with 6 splines	
<b>Steering</b>	Single double rod hydraulic cylinder	
<b>Brakes</b>	Standard: Hydraulic front and rear brakes in oil bath Emergency and parking: band type on transmission	
<b>Platform</b>	Suspended on Silent Block	
<b>Tyres</b>	10.0/75-15.3	280/70 R16
<b>Steerig radius ext. (mm)</b>	4470	4820
<b>Weight in working trim (kg)</b>	2160	2190
<b>Weight full charge (kg)</b>	4500	4500
<b>Trailer capacity (kg)</b>	6000	6000
<b>EC Homologation</b>	Agricultural tractor	

## Standard equipment

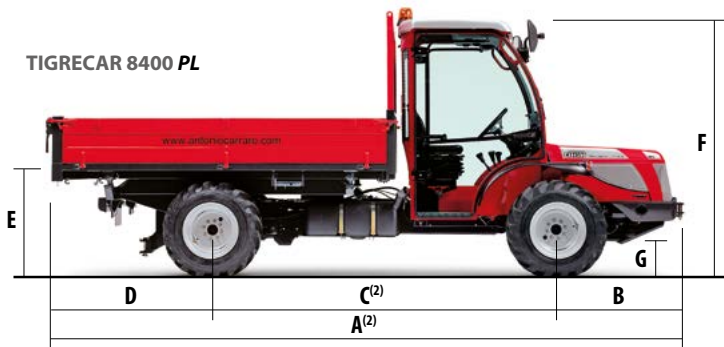
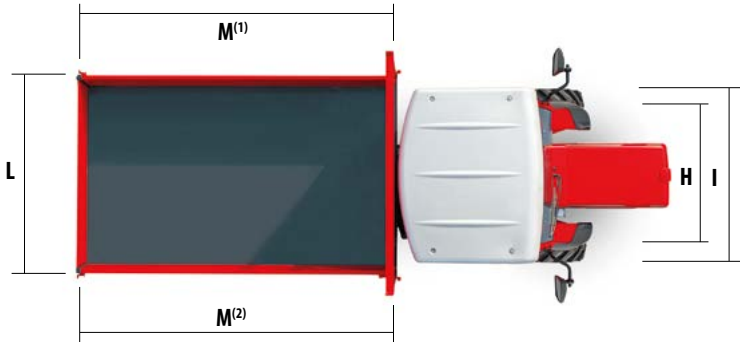
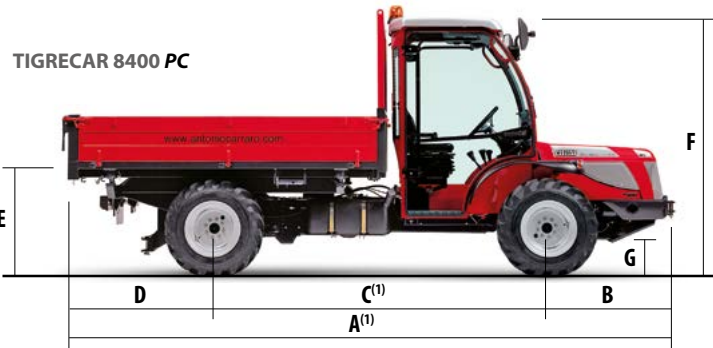
Container mm 2400x1500x300 (PC) - 2600x1500x300 (PL) complete with inclination system • Steering wheel adjustable in height and inclination • Rear differential lock with hydraulic control • Hydraulic controlled drive disengagement • Hydraulic controlled transmission clutch • Adjustable sprung seat • Safety belts • Rear adjustable height tow hitch • Protection frame with 4 uprights with roof • Hydraulic system consisting of 1 simple acting distributor for movement of container • Horn • Lighting equipment • Electric power socket and plug • Stop lights and turn signals • Centralized control board • Safety starting switch on inverter and PTO • Tachometer

## Optional

Heating cab • Gear box with 24 speeds: 12 forward, 12 reverse synchronised with inverter • Independent PTO, with multi-plate clutch in oil bath, standard speed 540 rpm and synchronised at all gear speeds • "Superbrake" system • Windscreen with windscreen wiper • Flashing light







## Wheels

## Dimensions (mm)

Front	Rear	A <sup>(1)</sup>	A <sup>(2)</sup>	B	C <sup>(1)</sup>	C <sup>(2)</sup>	D	E	F	G	H	I*	L	M <sup>(1)</sup>	M <sup>(2)</sup>
<b>10.0/75-15.3</b>	<b>10.0/75-15.3</b>	4510	4730	930	2530	2750	1050	850	1990	240	1140	1400	1500	2400	2600
<b>280/70 R16</b>	<b>280/70 R16</b>	4510	4730	930	2530	2750	1050	850	1900	240	1140	1420	1500	2400	2600

\*Min. external width

A<sup>(1)</sup> - C<sup>(1)</sup> - M<sup>(1)</sup> > PC (Short wheelbase) • A<sup>(2)</sup> - C<sup>(2)</sup> - M<sup>(2)</sup> > PL (Long wheelbase)





**TIGRECAR**



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DEALER: