

Periodico di informazione tecnica
Edito dall'Associazione
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Padova, Italy - Via Caltana, 24
Iscrizione al Tribunale di Padova
n. 1243 del 19/10/90

NEWS

Sped. in a.p. - 45% -
art. 2 comma 20/B
legge 662/96 - Filiale di Padova
Campione Omaggio:
Tax Percue/Tassa riscossa
Padova-Uff. Postale Padova
Trimestrale - Anno XIII n. 2
Novembre 2002

Contiene I.P.
€ 1,50



THE PRODUCT
Rondò Makes
an Entrance
New Civil Sector Prodigy

AC WORLD
Renault Agriculture
and Antonio Carraro,
Big Commercial Deal

ROUND UP
Calendar Collection 2003
Dedicated to Children
Everywhere

Rondò

a different tune

Antonio Carraro News on the Civil Sector

Rondò

a different tune

As a musical tempo, with a rhythmic return of an aria, the rondò is famous for the piano and the orchestra of Beethoven's Fifth symphony, without forgetting the meaning of rondo as a rhythmic form in ancient French poetry ... As an architectural form the rondò can be found in Italian gardens, but is perhaps better known as the roundabout used to increase the flow of traffic. Harmony and roadways, environments and green areas: we are in the right place because these are the sectors that the Rondò of Antonio Carraro was designed for.





It has innovative technical characteristics, but being a new product from Antonio Carraro it couldn't really be otherwise, a company where copycat products are alien to it and which has a heavy tendency towards research and development.

The Rondò, Series 33, is a hydrostatic, articulated, multifunctional and compact tractor that was specifically designed for turf, paved areas, snow and for carrying out a vast number of activities using a variety of different pieces of equipment. It is a professional "green-worker" aimed at accurate, linear tasks; it is slim, streamlined and easy to drive. It has four equal wheel drive and good ground clearance; it can easily get over obstacles such as steps, kerbs, gutters and pavements and moves gently over turfed areas. Its task is to travel long distances without ever damaging the ground it moves over.

Articulated, polyvalent implement carrier with integral traction, 4 equal wheels and just 1 metre wide.

Ideal for the maintenance of green areas and winter roadways.



Rondò, a different tune

The Rondò is articulated; the track of the rear wheels follows the front ones exactly and therefore ground compaction is minimal. It has 4 equal wheels in order for the weight to be distributed more evenly. Its traction is integral and the rear-oscillating axle ACTIF™ (Antonio Carraro Flexible Integral Chassis) allows constant and total traction control on uneven ground. It has sensitive steering and an internal radius of just 70-cm so as to optimise the finishing around the plants and fixtures. The fuel tank has a 50 litre capacity and renders the vehicle autonomous for eight working hours.

🎵 Different from other frontal tractors that disengage the traction during steering so as not to damage the turf, the Rondò always has all four wheels engaged.

🎵 Its four equal wheel drive render the Rondò fitted with equipment for winter roadway maintenance unbeatable in the performance stakes compared with other frontal tractors with smaller rear wheels. The width of the Rondò give it access to pavements, it is stable and doesn't slip or skid, the articulation facilitates many freedoms.

Public parks and private gardens, historical city centres, town squares and pedestrian areas, cycle paths, sports fields and snow covered roadways, when looked after by Rondò are better exploited, and improve on their efficiency and appearance. With the mower, sweeper, gritter, snow blade, leaf collector and many other front and top fitting pieces of equipment, all quickly mounted and dismounted, the Rondò does not only develop an extraordinary

operational quality but also notably reduces work times without causing operator fatigue.

It is one metre wide. The mower with turbine is only as wide as its cutting dimension of 1.5 metres. The turbine is situated on a plate in a semi-central position. The top fitting container for grass, leaves and debris has a 1100 litre capacity and allows the Rondò to operate very long working sessions. Its turbine is capable



of compressing the material much more than other types and this increases the vehicle's autonomy. The hydraulic tilting system is exclusive to the Rondò and is the only vehicle of its category to have it. Its unloading movement is very quick thanks to a technical solution where a single control lifts, angles and tilts the container in a series of sequential movements. The inlet tube is very streamlined and the place where it joins the collector is positioned on the central axle of the steering unit.

🎵 The strong steel plate (4mm thick) of the three bladed mower RT 1500 has a simple system for adjusting the cutting height (from 15 to 90 mm) that is exclusive to Antonio Carraro.

🎵 Minimum noise levels thanks to the innovative transmission with its helical gearbox.

🎵 The power lift with its platform system combined with the good ground clearance of the Rondò enables it to mount pavements and curbs without difficulty.

🎵 The flat, semi-central mower with its high capacity, six-blade, inlet turbine combined with the C1100 Collector with hydraulic unloading, allows the vehicle to work in both drive directions without the inconvenience of external conveyor hoses that extend outside the width of the mower.

🎵 Single connection belt between blade and turbine: maximum ease of use and maintenance.

🎵 Single lever for the PTO activates blade and turbine simultaneously.





Rondò, a different tune

The Rondò is a vehicle that combines high degrees of balance, safety and manageability; in fact, despite being articulated it possesses the stability of a axle steering tractor, in that the chassis' point of articulation ACTIF™ (Antonio Carraro Flexible Integral Chassis – 10 degrees on each side) is positioned at the rear axle. The consequence is the maintenance of the uniform weight distribution on the front and rear train during steering on uneven ground. Furthermore, while the engine and top fitting collector gravitate vertically on the rear axle, the operator, power lift and implement rest on the front one for an optimal distribution of the total weight.

♫ The Rondò is the first articulated vehicle with front axle oscillation of 10° with the transmission inside the axle itself. This ingenious solution is called ACTIF™ (Antonio Carraro Flexible Integral Chassis) (international patent) in addition to allowing a 70 cm internal steering angle also means that there is a better distribution of weight and ever better traction.





Rondò

Chassis

Articulated · 10° oscillation on rear axle · Four equal wheel drive with integral traction

Engine

Diesel, 22 HP and 30 HP with direct injection

Transmission

Hydrostatic · 2 speeds: Slow and Fast · Double pedal speed control in both drive directions

PTO

Completely independent with oil bath multidisk clutch · Control lever with hydraulic engagement. 1000 rpm to 2525 rpm

Hydraulic Lift

Antonio Carraro exclusive platform system with hydraulic suspension. Capacity 500 Kg

Brakes

Standard: brake drums on front wheels
Safety and parking: mechanical on front wheels

Cab

with ventilation/heating and air recycle (on request)

The Rondò pays a lot of attention to ergonomic factors; many of its details are geared at providing a sensitive and practical driving experience, with optimum visibility over the ground and equipment. It has easy access, facilitated by the wide bump position of the adjustable steering column; the seat is moulded and well sprung, the controls are all at hand and extremely sensitive. The proverbial ergonomics of all Antonio Carraro manufacturing has been incorporated in the Rondò, resulting in an extremely autonomous machine that can work for long hours without causing operator fatigue. Optional: cab with central heating and air conditioning system, with powerful lighting system all emphasises the vehicle's professionalism.



Maximum comfort, ergonomic controls and maximum visibility from the platform that is completely separate from the engine.

The vehicle can be put in motion only when the operator is sitting in the driver's seat with his foot on the brake pedal. Vice versa, getting up from the seat, the vehicle will automatically stop if the parking brake has not been engaged.





Rondò, a different tune

The hydrostatic transmission has two speed ranges: working from 0 to 15 Km/h and road speeds from 0 to 25 Km/h; these are elevated speeds for a vehicle of this category, possible for the Rondò without any danger thanks to its perfect balance. The differential locks on the front axle eliminate dangerous skidding yet leave the steering free to correct the direction.

The 1000-rpm PTO is completely independent and has an oil bath, multi-disk clutch with hydraulic engagement. It is fitted with an automatic breaking system that ensures the stopping of the equipment in just a few seconds, as is stipulated by the new laws, and therefore maximum user safety is guaranteed. The Rondò comes with an extremely reliable, quiet and environmentally friendly Yanmar engine. It is available in two engine capacities 22 and 30 HP.

22 HP and 30 HP direct injection engines with extremely low fuel consumption and extra large fuel tank (50 Litres) which are greatly appreciated by maintenance workers for their practicality.

Very easy maintenance: blower that distances grass from the radiator during unloading; cleaning of the radiator with removable guard, easy access to all levels even when the C1100 Container is fitted. All levels and control points are easily accessed even when the container C1100 is fitted.

What Sort of Quality in Cities?

Improving the quality of life. It is the slogan for success, the objective sought out in a large number of sectors. For the home there have been many inventions to ease daily life ranging from furnishings to food preparation. At work ergonomics has lent itself to the design of furniture and objects that are functional and compatible with us.

The beauticians concern themselves with our physical selves, health farms help us to relax.

Improving the quality of life is not



a trend or a fad. It is the product of a frenetic consumer society. If it is less noticeable out in the countryside it is much more noticeable in the cities due to the greater quantity of inhabitants and the rhythm of life that they have. Fifty years ago we used to talk about beautiful and less beautiful cities. Now there are the liveable cities and less liveable cities. The classification is based on the results of statistics and surveys. Beautiful buildings along the river are no longer enough to render a city liveable, tree-lined roads and public parks and gardens are favoured instead. The term "urban furnishing", a concept which fifty years ago didn't even exist, is being used more and more. Urban planners and architects are involved in this but others such as artists and industrialists are also taking an interest. The product offering is wider and more

Photo above: Trafalgar Square London.
Below: open air section of the New York Hall of Science, dedicated to children.

Opposite, large photo: pedestrian area of Battery Park City at Manhattan, New York.

Small photo, above: a project dedicated to Stockholm by E. Gunnar Asplund in 1930.
Below: view of the 700 ad St Mark's Square, Venice, city where habitat remains one of the most important points of reference in terms of quality of life.