









INVICTUS IS THE RIGHT CHOICE

INVICTUS K300 - K400 AR / RS

A new tractor is an important investment

and choosing the right one is not simple.

It is good sense to consider different models.

Carefully weigh up features, dimensions, and accessories.

And put your faith in a great manufacturer.





MADE IN ITALY



We are an **international company** and one of the most established in the sector of ${\bf agricultural\ machines}$ and ${\bf greens\ maintenance}$.

Founded in 1943 and certified ISO 9001 since 1994, we stand out from the rest thanks to the high quality of our production and the operative capacity that comprises each phase: design, production and distribution.

The **BCS dealers**, an integral part of our sales network, are expert professionals, able to advise and accompany each customer in choosing the most suitable machine for their needs.



We carefully oversee the **after-sale quality services**: authorised dealers and spare parts dealers, alongside the technical and marketing support, are available to anyone who needs safe, rapid assistance.

The reasons for choosing US

And the reasons for choosing THEM



At the moment of purchase, we provide a **two year guarantee on Invictus** tractors, included in the price, which also covers the engine, because Customer satisfaction and safety is our number one aim.





Invictus tractors are the best answer to the requirements of the Hobby-Farmer, or the farmer specialising in farming in glasshouses, nurseries, micro-farming and poultry farming and, more generally, anyone who needs compact and manageable vehicles, with contained power and weight

Versatile, high performance, productive, safe and extremely reliable: these are isodiametric machines available in both **central articulation** and **steering wheels** versions.



THE ADVANTAGES:



latest generation, liquid cooled, specifically set up to be used on compact isodiametric tractors

LIMITED DIMENSION AND WEIGHT

HYDRAULIC SYSTEM

with high performance in order to provide for up to a maximum of 6 auxiliary hydraulic connections

CONTROL LEVERS

placed ergonomically under the steering wheel to facilitate the access to the driving position and to be close at hand at all times

DRIVING COMFORT AND PRACTICALITY

to render them easy to use for the hobby or semi-professional user also

LOOK modern, functional and appealing



Engine: heart of power



Kubota engines have been chosen for the **Invictus** tractors.

This prestigious brand is recognised at an international level as a sector leader of compact engines, in terms of both production quantity and quality.

The Invictus are moved by two latest generation engines: a **25.2 HP three cylinder** engine and a **35.6 HP four cylinder** engine, both with indirect injection and natural aspiration. The performances, in regards to both absolute power and torque, place them amongst the top performing in the category.

The **emissions** comply with the strict regulations in force for the corresponding power bracket.

The engine **exhaust silencer** is folded away stylishly inside the front cover support and has a characteristic oval vent.

INVICTUS	Туре	Power (kw/HP)	No. Cylinders	Displacement	Aspiration	Cooling
K300	D1105	18,6 / 25,2	3	1123	Natural	Liquid
K400	V1505	26,2 / 35,6	4	1498	Natural	Liquid

Exclusive performance

Hydraulic system

The hydraulic system provides **high performance**, with a **16 Lt/min** and 125 bar running pressure.

In addition to being able to accommodate up to **6 rear hydraulic connections**, it ensures maximum steering wheel manoeuvrability.

Rear lift

The external rear jacks hoist is set up with a **cat. 1 three point connection**, complete with stabilisers to restrict the equipment spinning laterally.

The **lifting capacity** at the ball and socket joint is 1050 kg, indispensable for using a wide variety of equipment. The hoisting braces are fixed and feature length-adjustable tie rods.





HIGH PERFORMANCE

RELIABILITY

COMFORT

SAFETY



Power take-off

The rear mechanical control power take-off is at 540 r.p.m, **synchronised with the gearbox**. The gradual connection leaves the work more precise and comfortable, thus increasing productivity.

The **optional independent PTO** with electro-hydraulic connection control grants the maximum versatility of use of the equipment, even those with high inertial charge.



Integral frame

The **OS-FRAME oscillating integral frame** is part of the transmission and is equipped with a central articulation that allows oscillation at +/- 15°.

Front and rear are therefore independent; with the 4 wheels gripping the ground at all times to guarantee maximum traction and safety even when used on broken and sloped land.



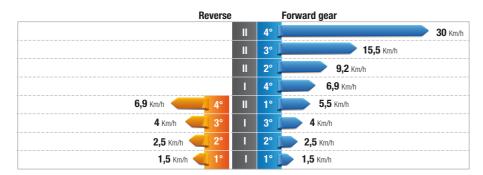
Transmission:

total control

Transmission

The transmission has been **created to** last over time, particularly providing for reliability and performance without overlooking comfort and safety. Service maintenance is also reduced to the minimum.





Axles

The **distribution of the weights** on the axles, 40% on the rear and 60% on the front, is proved optimal once the rear lifting equipment is mounted.

Essentially, the rear load optimises the sharing of the weights on the two tractor axles to increase stability, safety and traction.



Gearbox

The easy connection gearbox has 8 forward and 4 reverse speeds, without speed overlapping. The maximum speed is 30 km/h, vital for moving swiftly on the road.

Clutch

The large, dry single disc clutch grants gentle and immediate gear **connection** to guarantee the utmost in reliability and power transmission.

Centre of gravity

While the free height to the soil is considerable, the centre of gravity is lowered to increase stability in case of use in sloped areas.

Differentials

The front and rear differential units can be **blocked simultaneously** by means of a pedal mechanical control that, together with the **4WD integral traction**, guarantees the Invictus maximum traction even in the most difficult situations.



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Drive module

The comfortable driving position has been produced with a structured semi-platform around the transmission and at the rear part of the vehicle.

The **lowered driving position** has been studied in accordance with the compact dimensions of the vehicle, allowing them to comply with all intended uses and granting the operator the utmost safety and comfort, even for prolonged use.

The **gear levers** are positioned beneath the dashboard for maximum driving position accessibility and for easy operator access.





Maximum Comfort

and Safety levels



The **ergonomic controls** and **pedals**

are positioned logically and intuitively for full control of the tractor and equipment at all times.

The **dashboard** and **control instrumentation** have been created with an elegant and fashionable design.

The double circular instruments provide the operator with all of the data necessary for keeping the vehicle operation under control.



Steering wheel

The steering wheel is **hydrostatic with power-steering and double effect gripper** working on the front wheels (version RS) or the central joint (version AR).

Thanks to the **short wheelbase** and the **precise and reactive steering wheel**, Invictus tractors show surprising agility even in the most difficult conditions with broken or sloped terrain. To fully benefit production, the reduced radius also allows steering in confined spaces.



The **efficient service brakes**, drum type acting on the front wheels, guarantee modular and completely safe braking.
Braking occurs independently (in the steering wheels version) and simultaneously.



The **parking brake** is mechanically controlled.

The approved $\boldsymbol{front\ roll-bar}$ guarantees operator protection.

The seat is spring mounted and approved featuring the relative safety belts.







The **air aspiration grids** are large in order to facilitate the cooling of the engine and are attractively inserted into the bonnet.

The **double ellipsoidal lights** integrated in the bonnet, in addition to being efficient, give the tractor a particularly refined look, appropriate to machines of higher categories. The wrap-around mudguards guarantee the operator maximum protection.

The **spacious 43 Lt tank** is not integrated underneath the engine bonnet but is placed in front of the dashboard, under a special board well integrated in the machine setting.

The frontal-opening engine bonnet gives the user total access to the engine during the checks and maintenance operations, making them practical and quick.

Tow hooks

The CUNA and EEC approved tow hooks comply with the regulations in force in most countries and enable rapid connection of the towed equipment. Furthermore, the front tow hook is integrated into the bumper structure.



Tyres

There is a wide range of tyres available in Tractor or Garden version to best suit the various types of terrain and types of farming.

${\bf Technical\ Features\ _\ INVICTUS\ AR}$









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	6.50-16	210/95R16 (7.50-16)	260/70R16	240/70-15
	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	GARDEN WITH FIXED RIM
A Tyre width mm.	183	209	258	253
B Tyre height mm.	762	806	770	729
C Wheel track min/max mm.	806/1182	806/1182	882/1040	906/1082
D Width min/max mm.	989/1365	1015/1391	1140/1298	1159/1335



	E	F	G	Н	 Min-Max	L Min-Max	M Min-Max
INVICTUS K300 AR	985	1200	705	2890	1970/1990	1154/1174	237/258
INVICTUS K400 AR	1055	1200	705	2960	1970/1990	1154/1174	237/258

STEERING RADIUS (AR VERSION) WITH THE FORESEEN WHEELS:

Tyre type	6.50-16	210/95R16	260/70R16	240/70-15
mm	2590	2600	2670	2680

Technical Features _ INVICTUS RS









	6.50-16	210/95R16 (7.50-16)	260/70R16	240/70-15
	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	GARDEN WITH FIXED RIM
A Tyre width mm.	183	209	258	253
B Tyre height mm.	762	806	770	729
C Wheel track min/max mm.	886/1182	886/1182	944/1102	906/1082
D Width min/max mm.	1069/1365	1095/1391	1202/1360	1159/1335

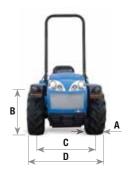
TRACTOR DIMENSIONS (RS VERSION) WITH FRONT FRAME (mm):

	*	,	,				
	E	F	G	н	 Min-Max	L Min-Max	M Min-Max
INVICTUS K300 RS	985	1200	705	2890	1970/1990	1154/1174	237/258
INVICTUS K400 RS	1055	1200	705	2960	1970/1990	1154/1174	237/258

STEERING RADIUS (RS VERSION) WITH THE FORESEEN WHEELS:

Tyre type	6.50-16	210/95R16	260/70R16	240/70-15
mm	2670	2995	2820	2970











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Technical Features _ INVICTUS AR

TECHNICAL FEATURES	INVICTUS K300 AR	INVICTUS K400 AR		
CHASSIS	Swinging integral chassis +/- 15	o OS-FRAME with central articulation		
DRIVE	Four-wheel drive, permanent			
ENGINE				
Manufacturer	K	UBOTA		
Model	D1105	V 1505		
Number of cylinders	3	4		
Displacement cm3	1123	1498		
Suction	Naturally aspired	Naturally aspired		
Emission level		ier 3A		
Power KW/HP	18,6 / 25,2	26,2 / 35,6		
Nominal speed (rpm)	:	3000		
Maximum tractor torque (Nm/rpm)	70,4 / 2200	96,5 / 2200		
Cooling	<u> </u>	Water		
Tank capacity (lt.)		43		
TRANSMISSION	Gearbox with easy gear engager	nent: 8 forward and 4 reverse speeds		
Main clutch		ingle-plate		
DIFFERENTIAL		I lock with mechanical control		
POWER TAKE-OFF		nchronized with the gearbox		
HYDRAULIC SYSTEM	ricai, oto ipin ana syi			
Flow rate to hydraulic pump which controls the hydroguide, the lift and the distributors (It/min)		16		
Maximum hydraulic pressure (bar)	125			
DISTRIBUTORS	Mechanical control to	max. 6 hydraulic couplers		
Rear (Standard)	Mechanical control to max. 6 hydraulic couplers 1 double acting			
Rear (In addition)	1 single acting and 1 double acting or 2 double acting			
ELECTRIC SYSTEM	· congretating and it as	g or a coord arming		
Battery (Ah)	12\	/ - 60 Ah		
Alternator (A)		40		
REAR LIFT	With extern	nal ram cylinder		
Three-point hitches		rd couplers cat. 1		
Three-point tie bar		length adjustment		
Lifting capacity at the end of the arms kg		1050		
DRIVING UNIT		alf-platform		
SEATS with safety belts		ung seat		
SERVICE BRAKES	<u></u>	on the rear transmission		
Parking brake		le service brakes		
STEERING		ering on articulated joint		
SAFETY	with nythostatic ste	on anomator joint		
Roll-bar frame	Front h	nomologated		
CONSOLE	Front, homologated Analogue type with: chrono-tacho-gyrometer, water thermometer, control warning lights and acoustic alarm			
TYRES		- · ·		
Standard	6.	50-16		
Optional	210/95R16 (7.50-16) - 260/70R16 Tractor - 240/70-15 Garden			
TOW HOOKS				
Standard	Front tow hook - Re	ar cat. C CUNA tow hook		
Optional		ook, EC approved		
WEIGHT OPERATIONAL	near towne	on to approve		
With roll-bar (kg.)	1040	1060		
OPTIONAL		o weights for wheels		

Technical Features _ INVICTUS RS



TECHNICAL FEATURES	INVICTUS K300 RS	INVICTUS K400 RS		
CHASSIS	Swinging integral chassis +/- 15° (OS-FRAME with steering wheels		
DRIVE	Four-wheel drive	e, permanent		
ENGINE				
Manufacturer	KUBO'	TA		
Model	D1105	V 1505		
Number of cylinders	3	4		
Displacement cm3	1123	1498		
Suction	Naturally aspired	Naturally aspired		
Emission level	Tier 3			
Power KW/HP	18,6 / 25,2	26,2 / 35,6		
Nominal speed (rpm)	3000			
	70,4 / 2200	96,5 / 2200		
Maximum tractor torque (Nm/rpm)	70,472200 Wate	· · · · · · · · · · · · · · · · · · ·		
Cooling				
Tank capacity (It.)	Coorboy with convigor organization			
TRANSMISSION Main plutele	Gearbox with easy gear engagement			
Main clutch	Dry single	·		
DIFFERENTIAL	Front and rear differential loc			
POWER TAKE-OFF	Rear, 540 rpm and synchro	onized with the gearbox		
HYDRAULIC SYSTEM				
low rate to hydraulic pump which controls the hydroguide, he lift and the distributors (lt/min)	16			
Maximum hydraulic pressure (bar)	125			
DISTRIBUTORS	Mechanical control to may	x. 4 hydraulic couplers		
Rear (Standard)	1 double	acting		
Rear (In addition)	1 single acting or 1 double acting or 1 double acting with float			
LECTRIC SYSTEM				
Battery (Ah)	12V - 6I	0 Ah		
Alternator (A)	40			
REAR LIFT	With external ra	am cylinder		
Three-point hitches	With standard co	ouplers cat. 1		
Three-point tie bar	With manual leng	th adjustment		
Lifting capacity at the end of the arms kg	1050)		
DRIVING UNIT	With half-p	latform		
SEATS with safety belts	Sprung			
SERVICE BRAKES	Drum brakes, acting on the rear transmis			
Parking brake	Acting on the se			
STEERING	With hydrostatic steering ac	eting on the front wheels		
SAFETY				
Roll-bar frame	Front, homo	ologated		
CONSOLE	Analogue ty			
	chrono-tacho-gyrometer, water thermometer,			
YRES				
tandard	6.50-	16		
Optional	210/95R16 (7.50-16) - 260/70R16 Tractor - 240/70-15 Garden			
TOW HOOKS				
Standard	Front tow hook - Rear ca	at. C CUNA tow hook		
Optional	Rear tow hook, I			
WEIGHT OPERATIONAL	Tiou on hour			
With roll-bar (kg.)	1060	1080		
	1000	1000		



