

# VICTOR

300 - 400

AR



# VICTOR 300 - 400 AR

The **VICTOR 300 and 400 AR** tractors are a new concept in agricultural machinery. Dynamic and rational, they are designed to meet the diverse needs of both the professional and the "part-time" farmer. The compact dimensions and reduced steering radius allow these tractors to move easily through all crop rows. Powerful engines with low emission levels and fuel consumption make the **VICTOR** ideally suited to a wide range of applications. Permanent 4-wheel drive and excellent stability enable these tractors to work on any type of terrain and in all weather conditions. The ergonomic design of the tractors simplifies the task of the operator, significantly reducing fatigue and stress.



## INNOVATIVE DESIGN

The **VICTOR 300 and 400** are medium power articulated tractors with centre pivot and equal-size front and rear wheels. These two new tractors with their outstanding innovative features have been specifically designed for use in vineyards, orchards or greenhouses and to meet the needs of the part-time farmer.

## RELIABILITY

The outstanding reliability of the **VICTOR** tractors is the result of the rigorous design process applied to each individual component, carefully selected materials and an advanced production system that is planned entirely within the **BCS** factories. All this guarantees the **VICTOR** a level of performance at the top of its class, with high productivity and low operating costs.

## PERSONAL SAFETY AND ENVIRONMENTAL PROTECTION

The **BCS** engineers who designed the **VICTOR** have given top priority to safety and respect for the environment. The tractors incorporate a range of features designed to promote not just the safety of the operator, but anyone within the tractor operating area. **BCS** tractors are



destined for customers who work in close contact with nature, and it therefore follows that environmental protection is always among our chief concerns when we design our products.

Extensive use is made of recyclable materials. For our painting processes, we only use products with low environmental impact. Emission and noise levels comply fully with current standards.

## ALWAYS BY YOUR SIDE

No manufacturer is yet able to make a 'perfect' product, although the high build quality of our tractors is certainly one of their outstanding characteristics. Few makers, however, provide an after-sales service equal to that of **BCS**. Our widespread network of dealers and parts distributors is constantly at the service of our most valuable asset-our customers.

Our qualified technicians are always on hand to carry out servicing and repairs quickly and competently. Our replacement parts service is simple, swift and efficient. All **BCS** original replacement parts, like our tractors, come with a full warranty. When you have chosen your **BCS** tractor, remember to read the use and maintenance handbook before use, as this will help you to get know your machine better and save you any unnecessary problems.

## ENGINES

The indirect injection diesel engines installed as standard on the **VICTOR** tractors incorporate the very latest combustion and injection systems. The low-turbulence prechamber, overhead camshaft and belt-driven timing, all add up to an engine with optimum combustion efficiency and low mechanical noise.

The masses of the moving parts have been reduced to a minimum and optimised crankshaft balancing ensures that vibration levels are around the lowest detectable values. The injection system design, based around a patented pump-injector unit, and the optimisation of those components having a direct bearing on the combustion process has reduced emissions to below the limits





stipulated by even the most stringent standards (CARB, CE and EPA). By positioning all the main functions in the cylinder heads, we have managed to keep the overall dimensions of the engine block to a minimum. The **VICTOR 300** is equipped with a 1028 cc 3-cylinder engine that produces 19kW/26HP at 3400 rpm.

The **VICTOR 400** comes with a 1372 cc 4-cylinder engine that delivers 25.5kW/35HP at 3400 rpm.

Both engines are water-cooled and deliver high power with very high driving torque at low engine speeds. Sturdy and reliable with low fuel consumption, they also benefit from low running costs and readily available replacement parts.

## TRANSMISSION

The large-diameter clutch fitted to the **VICTOR** offers smooth, progressive engagement and an unlimited service life.

The gearbox, with spur gearing specially designed to reduce noise levels, offers 12 speeds-8 FWD and 4 REV. The gear ratios are rationally distributed to cover a wide range of applications, allowing full use of the power delivered by the engine for maximum productivity in all working conditions.

The front and rear differential locks are mechanically controlled. Drive is permanently transmitted to all 4 wheels.

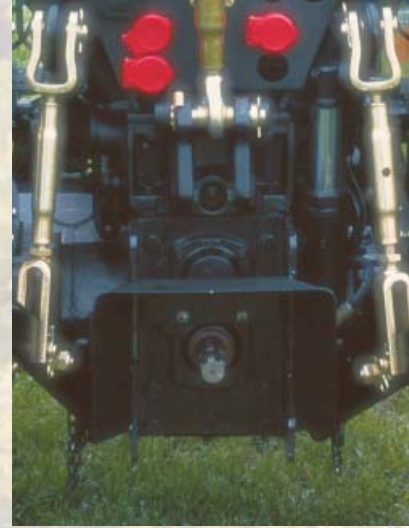
## FRAME

The structural characteristics of the **VICTOR** are those of a typical articulated tractor with central articulation. The short wheelbase and reduced turning radius allow maximum manoeuvrability on all types of terrain. The weight distribution, designed to be equalised over all four wheels when the tractor is in operating condition with a rear-mounted implement, ensures maximum grip and traction. The operator station is positioned centrally and low down to offer greater operator protection. The **VICTOR** chassis is constructed from two frames that can move relative to each other when travelling over uneven ground, thereby maintaining stability and grip at all times.



## STEERING

The short wheelbase and central articulation gives the **VICTOR** a much reduced turning circle that allows rapid, precision manoeuvring between even the narrowest crop rows. The servo-assisted hydrostatic steering is smooth and precise, with a minimum turning radius of just 2200 mm.



## HYDRAULIC REAR LIFT

The **VICTOR** is equipped with a monobloc hydraulic rear lift with a vertical ram cylinder and 3-point hitch Category I. The lifting capacity at the link ends is 700 kg.

## TYRES

Tyres are a critical factor when it comes to obtaining the best results in all ground conditions. **BCS** offers a wide choice of tyres with different characteristics and tread patterns to ensure perfect grip on any surface.

## HOW TO CHOOSE THE RIGHT TRACTOR

Choosing the right tractor for your needs is no easy task. Characteristics, dimensions and optional equipment vary widely between models and manufacturers. A few tips might help you make the best investment.

Firstly, you can rely on the experience of your **BCS** dealer, who will be able to offer expert advice to help you choose the right tractor for your particular needs.

Secondly, you can count on a manufacturer with over 50 years experience in the agricultural machinery sector. Quality has always been the cornerstone of **BCS** production, and is one of the distinguishing characteristics of all our tractors.

Another good reason for choosing a **BCS** tractor is our excellent after-sales service. Our network of dealers and parts distributors is supported by highly-qualified technicians who are always on hand to provide rapid and efficient service to ensure that your tractor is always in optimum condition when you need it.

If you are fortunate enough to purchase a **BCS** tractor, you'll benefit from reliability that is second to none, but should any problems arise, you can rest assured that your **BCS** dealer will be able to solve them rapidly.



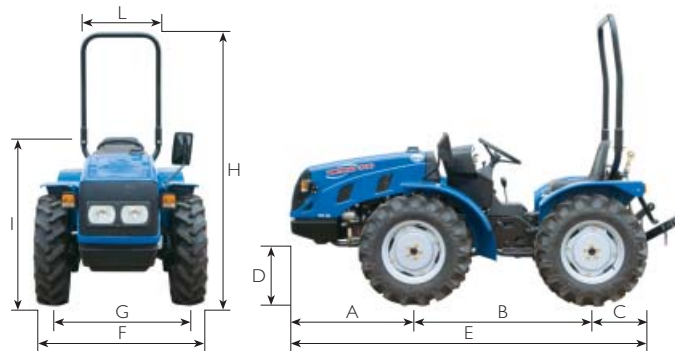


Ground speeds in Km/h at 3400 rpm with 7.5L-15 tyres



Tyre type and rim

	A Tyre width mm.	B Track width mm.	C min/max width mm.
6.50-16 with adjustable rim	183	804 - 1180	987 - 1363
7.50-16 with adjustable rim	208	804 - 1180	1012 - 1388
7.5L-15 with adjustable rim	209	878 - 1106	1087 - 1315
260/70-16 with adjustable rim	260	882 - 1102	1142 - 1362



VICTOR 300AR

	A	B	C	D min max	E	F min max	G min max	H min max	I min max	L
mm	892	1156	705	237 258	2753	987 1388	804 1180	1948 1969	1086 1107	675

VICTOR 400AR

	A	B	C	D min max	E	F min max	G min max	H min max	I min max	L
mm	975	1156	705	237 258	2890	987 1388	804 1180	1948 1969	1086 1107	675

Specifications	VICTOR 300AR	VICTOR 400AR
FRAME	Integral frame articulated around centre pivot	
TRACTION	Permanent 4-wheel drive	
ENGINE	Indirect injection diesel	
Engine manufacturer	Lombardini	
Type	LDW 1003 FOCS	LDW 1404 FOCS
N° of cylinders	3	4
Displacement cc	1029	1372
Power kW/CV	19/26	25,5/35
Engine rpm	3400	
Maximum torque (Nm/rpm)	59.0 - 2200	82.5 - 2200
Cooling system	Water	
TRANSMISSION	12-speed gearbox: 8 FWD + 4 REV	
CLUTCH	Dry single-plate	
DIFFERENTIAL LOCK	Front and rear	
POWER TAKE-OFF	Rear; 540 rpm and ground speed	
REAR LIFT	With external ram cylinder; 3-point hitch category I	
Lifting capacity kg	700 at link ends	
SERVICE BRAKES	Drum brakes, with mechanical control	
EMERGENCY BRAKE	Acting mechanically on the service brakes	
STEERING	Hydrostatic steering on articulated joint	
ELECTRIC SYSTEM	12 Volt 45 AH	
SAFETY FRAME	Front foldable	
TYRES	Front and rear: standard 6,50-16. Optional: 7,5L-15, 7,50-16 or 260/70-16	
WEIGHT kg	850	880
OPTIONAL EQUIPMENT	* Bostrom seat* Front tow hook Maximum of 2 auxiliary control valves * Wheels weights	

90100750 - 03/2005 - design by Divigrat

The information and technical specifications given are not binding; the specified models can be changed by the Manufacturer, without prior notice.



Your BCS Partner

**BCS S.p.A.**

Sede Amministrativa e Stabilimenti:  
Viale Mazzini, 161 - 20081 Abbiategrasso (Milano)  
Tel. da Italia: 02/94821  
Tel. International: INT + 39.02.9482.1  
Fax da Italia: 02/9482398  
Fax International: INT + 39.02.9482398  
[www.bcs-ferrari.it](http://www.bcs-ferrari.it)  
e-mail: [export@bcs-ferrari.it](mailto:export@bcs-ferrari.it)

**VICTOR**  
**400**

**AR**

**BCS**