



COBRAM 50



TRACTORS - MIDDLE RANGE

COBRAM 50



COBRAM 50 AR/RS: A PROPOSAL FOR ALL YOUR NEEDS

Cobram 50s are isodiametric drive tractors made with 'AR' central articulation, or 'RS' steered wheels versions. Extremely compact with a low profile, they have been studied in detail for specific use in vineyards, orchards, greenhouses or, in general, for specialised crops where the tractor's structural characteristics are of fundamental importance in allowing work to be done in a practical way. The tractor's versatility allows it to be effectively used for "maintenance" work whereas its great stability and perfect weight distribution make the **Cobram 50**

RS unsurpassed in cutting and working fodder especially on slopes and mountain areas. The excellent steering radius and indisputable quality of its engines, the constant drive that optimises the power that is transmitted to the wheels and a compact and secure alignment, allow these machines to be used on every type of terrain in the widest range of cultivations. All of this ensures that **Cobram 50** range tractors provide performances at the top of their category, along with excellent levels of productivity and low operating costs.

COBRAM 50 engine

The **Cobram 50** is equipped with a 4-cylinder LOMBARDINI engine that produces 46 Hp at 2800 rpm. Liquid-cooled, this engine delivers high power with very high driving torque at low engine speeds.

Sturdy and reliable with low fuel consumption, they also benefit from low maintenance costs and readily available replacement parts.



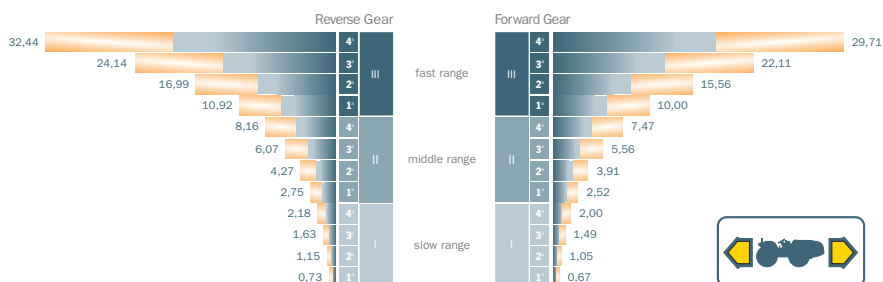
GREAT TRANSMISSION FLEXIBILITY

Cobram 50 tractors use a 24-speed gear: 12 AV and 12 RM with synchronised reverser. With completely synchronised ratios, the gear has a perfect progression for all the speeds with optimal increase from one to gear to another. This allows engine power to be used on a maximum level, reduced fuel consumption, and lower management costs. The clutch features multi-disk brakes with oil bath lubrication and mechanical control for smooth, progressive engagement. Installed in the centre of the tractor, it reduces engine overhang restricting the space occupied.

The front and rear differentials with electro-hydraulic controlled blocking for the reversible version, or mechanical for the mono-directional version, ensure maximum traction for the tractor. The body's internal transmission gives an optimal view of the ground and a very low centre of gravity. These qualities together with the constant 4-wheel drive, allow it to move easily over slopes as well as the most uneven terrains.



Graph showing speed in km/h with 2800 rpm engine and 11.5/80-15.3 tyres

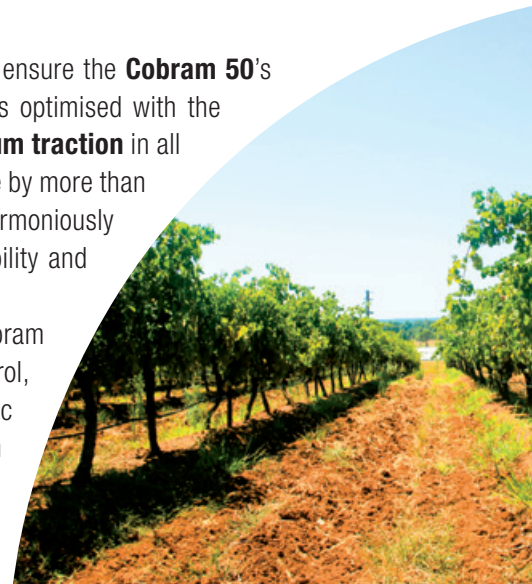


The graphic highlights the perfect ratio progression, without any speed overlap in any forwarding range.

COBRAM 50 performance

The **short wheelbase and excellent steering radius** offered by hydrostatic steering ensure the **Cobram 50's** easy manoeuvrability over every type of terrain. Perfect distribution of weight, which is optimised with the machine in its working alignment and the equipment mounted on the lifter, allow **maximum traction** in all types of cultivation. One central joint lets the forecarriage oscillate more than the rear axle by more than 15° making the two parts independent from each other. This lets the machine move harmoniously with the terrain following the unevenness and downward slopes while maintaining stability and perfect traction.

The multiple disk brakes with oil bath lubrication guarantee safe braking for the Cobram 50. Cobram 50 tractors are available in two PTO versions: One with mechanical control, dependent on the gear, with two speeds 540/750 rpm, the other with electro-hydraulic control, independent from the gear at 540 rpm. (standard in the reversible version). Both versions are synchronised with the tractor's drive, perfect for using drive wheel tractors and other specific equipment.



EQUIPMENT ALWAYS UNDER CONTROL

The Cobram 50's **dual hydraulic pump system** allows the rear hydraulic outlets to be used in a practical way.

The **hydraulic rear lift** is a double jack unit with a 3-point hitch Category 1.

Supported by the hydraulic system, on request, they can be provided with draft and position control.

For those who need to work with equipment that must adapt to uneven terrain by following dips or rises without damaging the surface, FERRARI has created for Cobram 50 RS Reversible tractors a convenient **hydraulic suspension** with a nitrogen accumulator that optimises the "load of the equipment on the ground", applied to the third point hitch, for optimal performance on any kind of terrain.





DRIVING SEAT COMFORT AND QUALITY

Cobram 50 tractors are available in both a Mono-directional as well as Reversible version with the possibility of rotating the driving seat (seat-steering wheel-dashboard) in seconds without undoing any connections.

The **driving station** is made-to-measure for the driver: the controls are positioned ergonomically and intuitively and the steering column, as well as the seat, can be adjusted according to the operator's build.

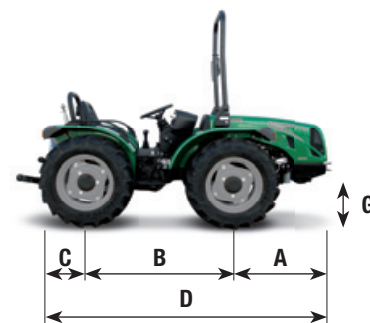
Despite its compact size, the Cobram 50 can be outfitted with **high quality cabs** that are an excellent working environment in terms of safety, cleanliness and comfort: its wide doors allow easy access while its glass surfaces optimise the visual field in all directions. Fastened to the machine with 'SILENT-BLOCK', they can be removed in seconds without tools. For versions with steering wheels, 4-post rOPS frames are available for "maintenance" work and "hay-making".



COBRAM 50 AR - RS

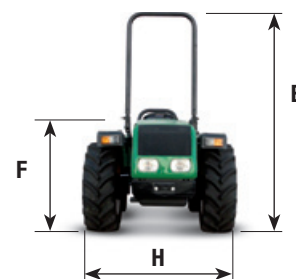
COBRAM 50 TRACTOR DIMENSIONS WITH FRONT FRAME

	A	B	C	D	E min/max	F min/max	G min/max	H min/max
COBRAM 50 AR	1059	1340	407	2806	2025 2083	1068 1181	190 280	995 1372
COBRAM 50 RS	1059	1340	407	2806	2025 2083	1068 1181	190 280	1200 1585



COBRAM 50 AR WIDTH WITH THE FORESEEN WHEELS

Tyre type with relevant rim	I Wheel track min/max mm.	L Width min/max mm.
7.50-16 With adjustable rim	787 - 1107	995 - 1315
8.25-16 With adjustable rim	787 - 1107	999 - 1319
11.5/80-15.3 With adjustable rim	909 - 1085	1196 - 1372
250/80-18 With adjustable rim	871 - 1105	1111 - 1345
280/70-18 With adjustable rim	908 - 1061	1190 - 1343
320/65-18 With adjustable rim	908 - 1061	1190 - 1343



STEERING RADIUS COBRAM 50 AR WITH THE FORESEEN WHEELS

Tyre type	7.50-16	8.25-16	11.5/80-15.3	250/80-18	280/70-18	320/65-18
mm	2450	2450	2550	2500	2530	2650

COBRAM 50 RS WIDTH WITH THE FORESEEN WHEELS

Tyre type with relevant rim	I Wheel track min/max mm.	L Width min/max mm.
7.50-16 With adjustable rim	992 - 1312	1200 - 1520
8.25-16 With adjustable rim	992 - 1312	1204 - 1524
11.5/80-15.3 With adjustable rim	1016 - 1290	1306 - 1580
250/80-18 With adjustable rim	996 - 1310	1236 - 1550
280/70-18 With adjustable rim	1040 - 1266	1322 - 1548
320/65-18 With adjustable rim	1040 - 1266	1359 - 1585
31x15.50-15 XTC With fixed rim	1204	1572
33x12.50-15 Soft track With fixed rim	1085	1430



STEERING RADIUS COBRAM 50 RS WITH THE FORESEEN WHEELS

Tyre type	7.50-16	8.25-16	11.5/80-15.3	250/80-18	280/70-18	320/65-18	31x15.50-15 XTC	33x12.50-15 Soft Track
mm	2800	2800	3130	2830	2930	2950	3250	3200

TECHNICAL FEATURES

COBRAM 50 AR

COBRAM 50 RS

CHASSIS	Swinging integral chassis * with central articulation	Swinging integral chassis with steering wheels
DRIVE	Four-wheel drive, permanent	
ENGINE	4-stroke Diesel with indirect injection	
Manufacturer	LOMBARDINI	
Model	LDW 2204 Plus	
Number of cylinders	4	
Displacement cm ³	2199	
Power KW/Hp	34/46	
Rpm	2800	
Maximum Torque (Nm/rpm)	140 / 1800	
Cooling	Water	
TRANSMISSION	Synchronized gearbox: 12 forward and 12 reverse speeds with synchronized reverser	
MAIN CLUTCH	Multidisc, in oil bath	
PTO CLUTCH	Independent PTO standard for reversible version, optional for mono-directional version	
	Multidisc, in oil bath	
DIFFERENTIAL LOCK	Front and rear with mechanical control or electro-hydraulic control (the latter is standard on Reversible version or with independent PTO on Mono-directional)	
AXLES	Front and rear, with epicyclic reduction units	
POWER TAKE-OFF	Rear PTO 540/750 rpm driven by and synchronized to the gearbox with mechanical control or Independent, rear PTO 540 rpm synchronized with the gearbox with electro-hydraulic control (standard with reversible models)	
HYDRAULIC SYSTEM	Double hydraulic circuit with independent pumps	
DISTRIBUTORS	Mechanical control	
Rear (Standard)	1 double acting	
Rear (optional)	1 single acting and 1 double acting with float or 2 double acting (Hydraulic lift by rams) 1 single acting or 1 double acting (Draft and position control)	
REAR LIFT	Standard: by two external rams - Optional: Draft and position control	
Three point hitches	Standard: standard couplers cat. 1	
Lifting capacity Kg.	1300	
DRIVING POSITION	Mono-directional or reversible with rotating platform and twin pedal assembly	
SERVICE BRAKES	Multidisc, in oil bath	
PARKING BRAKE	Acting on the service brakes	
STEERING	With hydrostatic steering. Flow deviator for steering unit on Reversible version	
ROLL-BAR FRAME	Front, folding type	
TYRES		
Standard	7.50-16	
Optional	8.25-16 * 11.5/80-15.3 * 250/80-18 * 280/70-18 * 320/65-18 * 31x15.50-15 XTC * 33x12.50-15 Soft-Track	
TOW HOOKS (Standard)	Rear and front tow hook	
Optional	Rear rotating EC approved	
WEIGHT OPERATIONAL Kg	1190	1220
OPTIONS for Mono-directional versions	Front and rear differential lock with electro-hydraulic control; Cabins; Independent 540 rpm PTO with electro-hydraulic control; Bostrom seat; Safety frame with 4 rops; Wheel weights	
OPTIONS for Reversible versions	Cabins, Bostrom seat; Hydraulic suspension with tank (RS version), Safety frame with 4 rops; Wheel weights.	



FERRARI guarantees:



PROJECT

The design criteria have the support of very modern programs that work in 3D.



CHECK

All the components of our machines are tested before going into production. This guarantees the quality and reliability of our products.



COMFORT

Designing for comfort is one of the essential components of our technical staff's Mission.



SPARE PARTS

Tested and guaranteed original spare parts
E-parts is the on-line support for fast and easy service.



ASSISTANCE

Efficient and valid assistance service with the support of friendly and competent technical staff.
E-service is the on-line tool supporting the service.

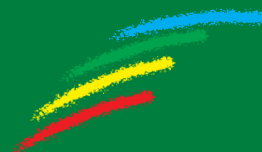


SALES FORCE

An extensive and efficient sales force guaranteeing service and assistance.



FERRARI



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