

FERRARI

COBRAM 60 AR/RS



language



MUCH MANY ADVANTAGES WITH COBRAM 60



KOHLER ENGINE

with direct injection: low fuel consumption and excellent performance.



EXCELLENT DRIVING CONDITIONS

with ergonomic controls placed to be easily found and activated by the operator.



LOOK

modern and captivating.



OS-FRAME TRANSMISSION

in order to optimize mechanical efficiency and stability even on rough terrain.



PLANETARY GEARS

on both axles in order to ensure maximum power transmission and durability.



REVERSIBLE DRIVING POSITION

optional on all models.



HYDRAULIC SYSTEM

high performance hydraulic system to adopt a great deal of hydraulically-fired equipments.



PTO INDEPENDENT

and synchronized with the gearbox.



SERVICE BRAKES

oil immersed multidisc.



SHORT WHEELBASE

in order to reduce turning radius so as to be able to move with maximum ease even in small spaces.



134cm

A proposal for all your needs

The **Cobram 60** are isodiametric tractors extremely versatile and reliable. They have been studied in detail for specific use in vineyards, orchards, greenhouses and, in general, for specialized crops where the tractor's structural characteristics are of fundamental importance in allowing work to be done in a practical way.

The excellent steering radius, the four-wheel drive that optimises the power that is transmitted to the wheels and a compact and secure alignment, allow the **Cobram 60** provide performances at the top of their category, along with excellent levels of productivity and low operating costs.

VERSIONS

COBRAM 60 AR

Isodiametric tractors, monodirectional or reversible, with central articulation



The **Cobram 60 AR** are specialized tractors, born to be used in particularly narrow areas: row cultivations, vineyards, orchards, greenhouses and nurseries. They are particularly performing machines, thanks to the isodiametric wheels and the frame with central articulation. The limited steering radius, the reversibility of the driving position (optional) and the constant adherence to the ground make the **Cobram 60 AR** multi-purposes and versatile machines.

In spite of the limited dimensions, the driving position is particularly comfortable with easily reachable controls also in the reversed position.

COBRAM 60 RS

Isodiametric tractors, monodirectional or reversible, with steering wheels



The **Cobram 60 RS** are multi-purpose specialized tractors, particularly performing in vineyards, orchards and greens maintenance.

The low hub and the all-wheel drive assure stability and adherence to the ground and allow the **Cobram 60 RS** to work both on flat and sloping grounds. The engine power together with the perfect weight distribution on the axles make them safe and trusty supporters .

The reversible driving position (optional) allows to operate practically and safe both with rear- and front-mounted attachments.

ENGINE



Kohler KDi 2504M: compact, reliable and performing

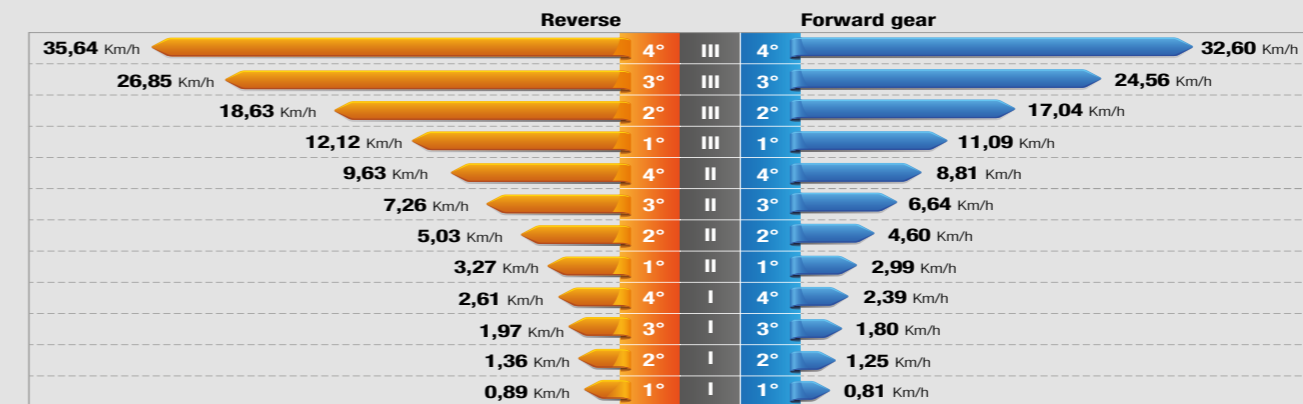
The **Cobram 60** are mounting a 4-cylinder, 2.5 liter Kohler engine developing 49 horsepower with a vigorous torque of 170 Nm corresponding to just 1500 rpm.

COBRAM	Type	Power (kw/hp)	No. of cylinders	Displacement	Aspiration	Cooling
60	KDi 2504M	36 / 49	4	2482	Natural	Water

The new Synchro 24-speed gearboxes (12 forward + 12 reverse) assure a maximum speed of more than 30 km/h for both driving directions, with synchronized inverter.

Logical speed sequence, no overlaps throughout all ranges, always allows right gear selection for the tasks for which the tractor is intended to, enabling fuel saving and an overall high operating quality.

The "Long-life" clutch designed for Valiant 600 is a wet multiple discs one, allowing easy and gradual engagements. It is mounted in the transmissions system to reduce engine overhang and the tractor length and it does not require maintenance.



Graph of the speeds in km/h - Engine speed: 2600 rpm

The graph highlights the perfect progression of the ratios, without any speed overlapping between the ranges.



AN ABSOLUTELY UNIQUE CONTEXT

PLUS

High performing hydraulic system

The hydraulic system is a dual circuit, powered by two independent pumps: one pump controls the power steering and electro-hydraulic control (maximum flow rate 15,3 l/min), the other pump controls the lift and the distributors (maximum flow rate 25,6 l/min).

Operation hydraulic pressure is 180 bar.



Transmission and high quality axles

The **Cobram 60** are provided with OS-Frame transmissions awarding the highest tractor maneuverability and the best mechanical output. The joint in the middle of the machine lets the front axle oscillate up to 15° with respect to the rear axle, stabilizing the machines on steep terrain.

The 4-wheel drive allows absolute safety on every terrain, exploiting to the maximum the machine's designed towing and security outfits.

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.

The **Cobram 60** are equipped with planetary gear axles in order to ensure maximum power transmission and durability.

Lever strength

The solid rear hydraulic lift, with its high lifting capacity, relies on multi-purpose practical and versatile connections designed to adapt in a fast and simple way to all marketed equipments. Lifting arms are equipped with normal connections, quick couplers and quick couplers with hook angular lateral adjustment.



Standard couplers



Quick couplers



L-shaped quick couplings

Reserved to the driver

The driving position is custom-fitted on the driver with ergonomic controls placed to be easily found and activated by the operator.

The reversibility can be achieved in just a few seconds thanks to the rotating console which allows the driving position consisting of seat-steering wheel-instrument panel, to rotate by 180°, so that the operator can practically and rationally work both with rear and front attachments.

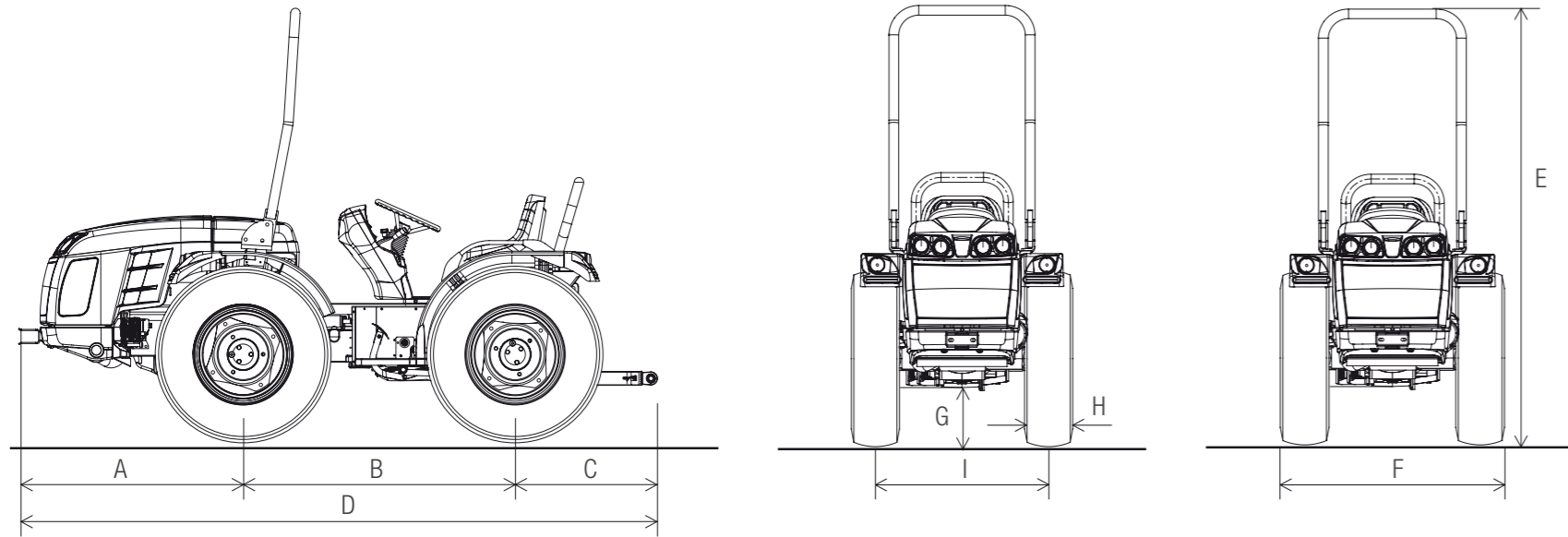
The braking system with multi-disc wet brakes, the roll-bar and the safety belts on the seat assure the highest safety of operation in every conditions.



PTO with maximum power needed to transmission

The rear PTO is independent from the gearbox and synchronized with all progress speeds. PTO at 540 rpm can be engaged in a practical and safe way through an electro-hydraulic control.

COBRAM 60 AR



A	B	C	D	E min / max	F min / max	G min / max
1157	1340	779	3276	2145 / 2220	1002 / 1438	220 / 270

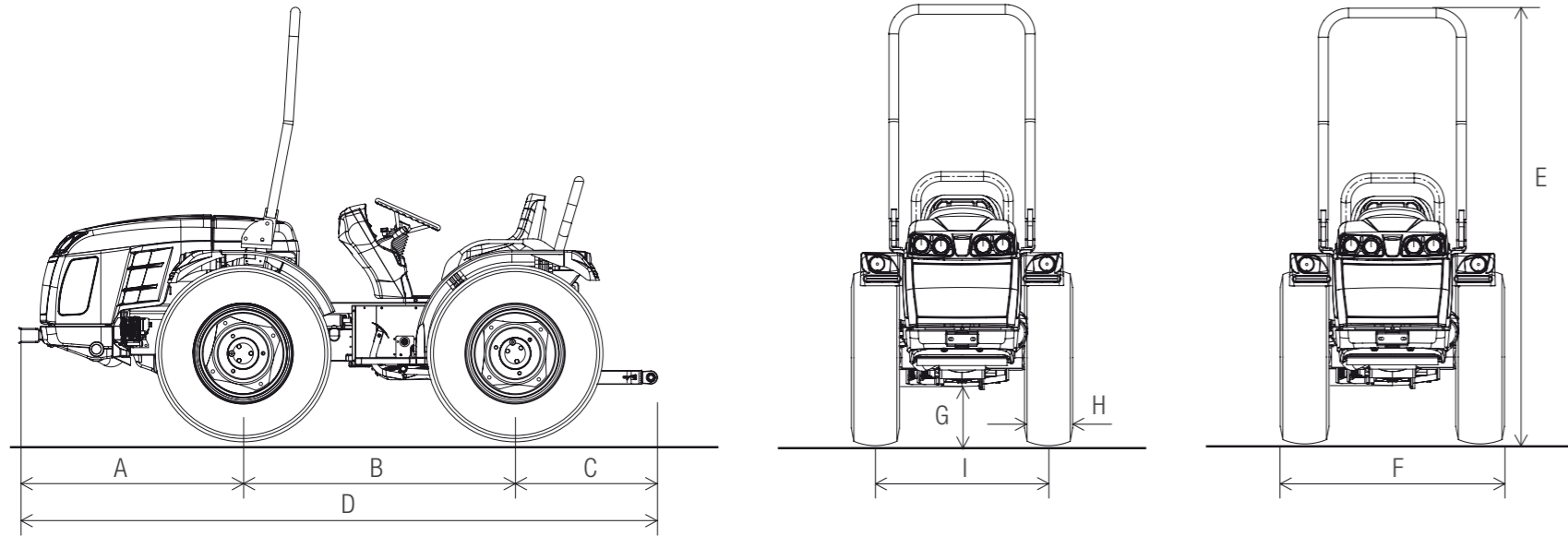
Dimensions in mm

	8.25-16	210/95 R16 (7.50-16)	250/80-18	280/70 R18	280/70R18 Garden	320/65 R18	260/70 R20	31x15.50-15 XTC	31x15.50-15 STG	33x15.50-15 XTC
	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH FIXED RIM	WITH FIXED RIM	WITH FIXED RIM
H	212	208	240	282	282	319	258	368	394	391
I	794 / 1110	794 / 1110	865 / 1107	869 / 1119	869 / 1119	931 / 1119	846 / 1120	1003	1003	1003
F	1006 / 1322	1002 / 1318	1105 / 1347	1151 / 1401	1151 / 1401	1250 / 1438	1104 / 1378	1371	1397	1394

Dimensions in mm - min / max
H = Tyre width - I = Wheel track - F = Tractor width

	COBRAM 60 AR
ENGINE	4-cycle diesel engine with direct injection
Manufacturer	Kohler
Model	KDi 2504M
Number of cylinders	4
Displacement cm ³	2482
Suction	Naturally aspirated
Power KW/HP	36 / 49
Nominal speed (rpm)	2600
Maximum tractor torque (Nm/rpm)	170 / 1500
Cooling	Water
Tank capacity (L)	45
CHASSIS	Swinging integral chassis (±15°) OS-FRAME with central articulation
DRIVE	Permanent four-wheel drive
TRANSMISSION	24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser
Transmission clutch	Multidisc in oil bath
DIFFERENTIAL	Front and rear with simultaneous locking and electro-hydraulic control
AXLES	Front and rear with planetary reduction units
REAR PTO	Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	540
HYDRAULIC SYSTEM	Dual circuit with independent pumps
Hydraulic pump flow rate of the power steering and electro-hydraulic controls (l/min)	15.3
Hydraulic pump flow rate of the lift and control valves (l/min)	25.6
Maximum hydraulic pressure (bar)	180
REAR CONTROL VALVES	Mechanically controlled
Standard	With rear up/down lift: 1 double-acting with free flow oil return predisposition (total 2 hydraulic outlets) - With draft-controlled rear lift: 2 double acting (total 4 hydraulic outlets)
Optional	With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 4 hydraulic outlets in total
REAR LIFT	By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled
3-point implement hitch	Standard: normal couplings cat. 1 - Optional: quick-couplings cat. 1, L-shaped, arms adjustable in length and hooks adjustable in width
Third point tie rod	With manual adjustment
Ball joint lifting capacity (kg)	1200
DRIVING POSITION	Monodirectional or Reversible with rotating platform and twin pedal assembly
Steering wheel	Fixed
Seat	Comfort seat with adjustable suspension according to the operator's weight
SERVICE BRAKES	Multidisc in oil bath with mechanical control, acting on the rear wheels
Parking brake	Acting on service brakes
STEERING	Hydrostatic steering acting on the central joint. Flow deviator for steering unit in the reversible version
SAFETY	Front homologated roll-bar
DASHBOARD	With chrono-tacho-gyrometer, water thermometer, control warning lights and acoustic alarm. - Reading of rpm, forward speed and rotation speed of pto
ELECTRIC SYSTEM	Battery 100 Ah - Alternator 80 A
TYRES	8.25-16 * 210/95R16 (7.50-16) * 250/80-18 * 280/70R18 * 280/70R18 Garden * 320/65R18 * 260/70R20 * 31x15.50-15 XTC * 31x15.50-15 STG * 33x15.50-15 XTC
TOW HOOKS	Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved
RUNNING ORDER WEIGHT	With roll-bar: 1510 kg
ADDITIONAL OPTIONS	Beacon lamp, front weights 100 kg total and wheel weights 45 kg each

COBRAM 60 RS



A	B	C	D	E min / max	F min / max	G min / max
1157	1340	779	3276	2145 / 2220	1207 / 1643	220 / 270

Dimensions in mm

	8.25-16	210/95 R16 (7.50-16)	250/80-18	280/70 R18	280/70R18 Garden	320/65 R18	260/70 R20	31x15.50-15 XTC	31x15.50-15 STG
	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH ADJUSTABLE RIM	WITH FIXED RIM	WITH FIXED RIM
H	212	208	240	282	282	319	258	368	394
I	999 / 1305	999 / 1305	996 / 1312	984 / 1324	984 / 1324	1074 / 1324	987 / 1325	1100 / 1208	1100 / 1208
F	1211 / 1517	1207 / 1513	1236 / 1552	1266 / 1606	1266 / 1606	1393 / 1643	1245 / 1583	1468 / 1576	1494 / 1602

Dimensions in mm - min / max
H = Tyre width - I = Wheel track - F = Tractor width

COBRAM 60 RS	
ENGINE	4-cycle diesel engine with direct injection
Manufacturer	Kohler
Model	KDi 2504M
Number of cylinders	4
Displacement cm ³	2482
Suction	Naturally aspirated
Power KW/HP	36 / 49
Nominal speed (rpm)	2600
Maximum tractor torque (Nm/rpm)	170 / 1500
Cooling	Water
Tank capacity (l.)	45
CHASSIS	Swinging integral chassis (±15°) OS-FRAME with steering wheels
DRIVE	Permanent four-wheel drive
TRANSMISSION	24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser
Transmission clutch	Multidisc in oil bath
DIFFERENTIAL	Front and rear with simultaneous locking and electro-hydraulic control
AXLES	Front and rear with planetary reduction units
REAR PTO	Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO
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Hydraulic pump flow rate of the lift and control valves (l/min)	25.6
Maximum hydraulic pressure (bar)	180
REAR CONTROL VALVES	Mechanically controlled
Standard	With rear up/down lift: 1 double-acting with free flow oil return predisposition (total 2 hydraulic outlets) - With draft-controlled rear lift: 2 double acting (total 4 hydraulic outlets)
Optional	With rear up/down lift: up to 6 hydraulic outlets in total - With draft-controlled rear lift: up to 4 hydraulic outlets in total
REAR LIFT	By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled
3-point implement hitch	Standard: normal couplings cat. 1 - Optional: quick-couplings cat. 1 (arms not adjustable in length) or quick-couplings cat. 1 and 2, L-shaped, arms adjustable in length and hooks adjustable in width
Third point tie rod	With manual adjustment
Ball joint lifting capacity (kg)	1200
DRIVING POSITION	Monodirectional or Reversible with rotating platform and twin pedal assembly
Steering wheel	Fixed
Seat	Comfort seat with adjustable suspension according to the operator's weight
SERVICE BRAKES	Multidisc in oil bath with mechanical control, acting on the rear wheels. - Independent manoeuvring brakes acting on the rear wheels
Parking brake	Acting on service brakes
STEERING	Hydrostatic steering acting on the front wheels. Flow deviator for steering unit in the reversible version
SAFETY	Front homologated roll-bar
DASHBOARD	With chrono-tacho-gyrometer, water thermometer, control warning lights and acoustic alarm. - Reading of rpm, forward speed and rotation speed of pto
ELECTRIC SYSTEM	Battery 100 Ah - Alternator 80 A
TYRES	8.25-16 * 210/95R16 (7.50-16) * 250/80-18 * 280/70R18 * 280/70R18 Garden * 320/65R18 * 260/70R20 * 31x15.50-15 XTC * 31x15.50-15 STG
TOW HOOKS	Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved
RUNNING ORDER WEIGHT	With roll-bar: 1520 kg
ADDITIONAL OPTIONS	HDR hydraulic suspension with accumulator including 4 hydraulic outlets (only for reversible version), beacon lamp, front weights 100 kg total and wheel weights 45 kg each

THE SERVICES



SPARE PARTS

A complete range of original spare parts, guaranteed directly by the manufacturer.



ASSISTANCE

A team of specialists, well prepared and available to assure an efficient and resolving service.



WARRANTY

A precise certainty for the customer's satisfaction:
2-year warranty included in the price.



LUBRICANTS

Ferrari recommends to use the original PowerLube lubricants.



M A D E I N I T A L Y



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