

RAPTOR 35



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Raptor 35 is a traditional compact tractor with rigid chassis and differentiated wheels.

A machine that offers the benefits of the FERRARI brand: small dimensions, reliability, comfort and safety.

Four-wheel drive, a short wheelbase and great manoeuvrability make Raptor 35 an agile, high-performance multifunctional tractor for countless fields of application:

- on-farm and road transport operations
- soil preparation in the open field
- operations between the rows of vineyards and orchards
- uses under greenhouses or in nurseries
- use in combination with front attachments, also with front PTO
- professional maintenance of green areas
- snow removal
- typical municipality uses.





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TRANSMISSION

The **24-speed synchronised gearbox (12 in forward + 12 in reverse)** provides a wide choice of working gears by making maximum use of the engine torque and making the machine highly productive under all circumstances.

The **synchronised inverter** also allows rapid changes of direction, shifting from forward to reverse and vice versa, offering an important advantage during jobs requiring frequent reversals.

Raptor 35 is equipped with a **double dry plate clutch**, which has many advantages:

- more efficient and direct transmission of power from the engine to the wheels;
- easy cooling especially during prolonged use;
- immediate response to commands, ideal for jobs requiring frequent gear changes or sudden stops;

- easier to inspect and repair due to its simple construction;

- reduced maintenance costs.

The **four-wheel drive**, with the possibility of disengaging the front wheel drive, and locking the rear differential allow the tractor to increase traction when the situation calls for it, ensuring maximum adherence on the ground at all times.

The **planetary reduction units on the rear axle** and the bull-gear units on the front steering axle give the tractor excellent robustness and allow the full power of the engine to be utilised, maximising the transmission of torque to the wheels.

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GENEROUS ENGINE

In the power class below 19 kW, the new Kohler KDW 1404 proves to be a generous engine because with 4 cylinders and 1400 cubic centimetres, it delivers a torque of 78 Nm.

The addition of the rpm regulator makes the engine more ready and offers better response to loads.

The air intake grille is large to facilitate powertrain cooling while the bonnet opening system makes for full accessibility to the engine compartment, facilitating normal overhaul and maintenance operations.



MAXIMUM EFFICIENCY

The hydraulic system consists of a gear pump with a flow rate of 19 l/min and can **supply up to 6 rear hydraulic outlets** for the use of a wide range of attachments.

Rear hydraulic lift is provided by two cylinders with raise and lower operation (optional position- and draft-controlled operation available) and category 1 three-point hitch.

A **front power lift with front and under-belly PTO** at 1700 rpm is available as an option, indispensable for work with combined attachments.

The 540-rpm rear PTO is independent of the gearbox and is synchronised with the drive for coupling with small self-propelled trailers or agricultural and greens maintenance attachments that require synchronisation with the tractor's speed.



DRIVER'S SEAT

The driver's seat of Raptor 35 was designed to-measure for the driver with all of the controls set up ergonomically and easy to use.

The gearstick levers are housed under the control panel for easy access to the driver's seat, which features a contoured seat that can be adjusted vertically and longitudinally and is equipped with an approved seat belt.

A modern dashboard with analogue instruments provides all the necessary data for monitoring the status of the tractor. The steering wheel is equipped with hydrostatic steering that acts on the front wheels, allowing **precise driving position with a minimum turning radius** to operate at its best even in tight spaces.

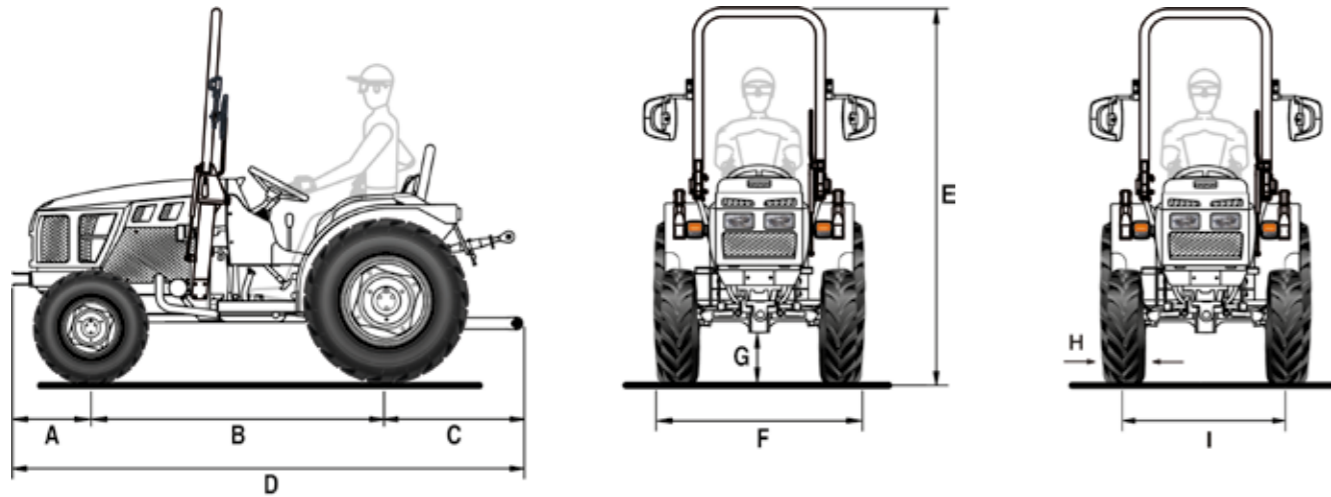
The driver's seat is protected by two approved safety arches: a fixed rear one and a folding front one, equipped with a gas spring to facilitate lowering and lifting operations.

The rear service brakes, multiple disc in oil bath with mechanical control, are extremely efficient and maintenance-free.

To use the tractor in the field, the brake pedals can be disengaged and can thus be operated separately and act independently on the right or left rear wheel, further reducing the turning radius.



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A	B	C	D	E min/max	G min/max
424	1553	730	2707	1985 / 2505	206 / 246

Dimensions in mm - min / max

	6.5/80-12	250/80-18	23x8.50-12	280/70 R18	7.00-12	300/70 R20	25x8.50-14 Garden	380/70 D-15 (36x13.50-15) Garden
	Front	Rear	Front	Rear	Front	Rear	Front	Rear
H	165	240	213	282	192	286	213	381
I	868 / 1104	791 / 1107	932 / 1044	779 / 1119	830 / 1146	671 / 1227	960 / 1016	907 / 991
F	1033 / 1269	1031 / 1347	1145 / 1257	1061 / 1401	1022 / 1338	957 / 1513	1173 / 1229	1288 / 1372

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

TECHNICAL FEATURES	RAPTOR 35
ENGINE	Kohler KDW 1404 Diesel direct injection Natural aspiration 4 cylinders 1372 cc Liquid cooling Stage V
Power	18.8 kW / 25.6 hp @3000 rpm Max torque 78 Nm@2000 rpm
Tank capacity (l)	26
CHASSIS	Rigid with steering wheels
DRIVE	Four-wheel drive with front-wheel drive disengagement
TRANSMISSION	24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser
Min/max travel speed (km/h)	0.7 / 28
Transmission clutch	Dual disc with pedal control for the gearbox - Hand lever control for the PTO
DIFFERENTIAL LOCK	Rear with mechanical control
AXLES	Front: steering, portal axle with bevel drive gear set and lateral bull-gear units - Rear: with planetary reduction units
REAR PTO	Independent from the gearbox and synchronised with forwarding speed
Engagement control	Mechanical
PTO rotation speed (rpm)	540
HYDRAULIC SYSTEM	With hydraulic gear pump
Flow rate to the hydroguide, lift and control valves (l/min)	19.3
Maximum hydraulic pressure (bar)	110
REAR LIFT	By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled
3-point implement hitch	Normal couplings cat. 1
Third point tie rod	With manual adjustment
Ball joint lifting capacity (kg)	750
FRONT LIFT (optional)	Couplings cat. 1N, with front and under-belly PTO at 1700 rpm
Lifting capacity (kg)	350
REAR CONTROL VALVES	Mechanically controlled
Standard	1 double-acting (total 2 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
DRIVING POSITION	Monodirectional
Steering wheel	Standard: fixed - Optional: height adjustable
Seat	With safety belt and man-on-board sensor. Upholstered seat, cushioned, adjustable springs and positions
SERVICE BRAKES	Rear, multidisc in oil bath. Independent manoeuvring brakes acting on the rear wheels
Parking brake	Acting on service brakes
STEERING	Hydrostatic steering acting on the front wheels
SAFETY	Front homologated roll-bar with gas spring for easy lowering and lifting
DASHBOARD	With instrumentation complete with fuel level indicator, engine coolant temperature, engine rpm, operating hours and warning lights
ELECTRIC SYSTEM	Battery: 45 Ah / 12 V - Alternator: 30 A
Standard equipment	Street light and indicator system, auxiliary power outlet on the dashboard (12V), rear 7-pin socket
TYRES	Tractor: 6.5/80-12*250/80-18 - 23x8.50-12*280/70R18 - 7.00-12*300/70R20 Garden: 25x8.50-14*380/70D-15 (36x13.50-15)
TOW HOOKS	Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved
RUNNING ORDER WEIGHT	With roll-bar: 1100 kg
ADDITIONAL OPTIONS	1700 rpm under-belly PTO, adjustable rear working light, beacon lamp, front weights 60 kg total et rear 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.



LUBRICANTS

We recommend to use the original PowerLube lubricants.



FINANCIAL SERVICES

Financial solutions to meet the credit requirements.



MADE IN ITALY