



RAPTOR



TRACTORS - DT RANGE

RAPTOR



DT RANGE: DESIGNED TO MEET ALL YOUR NEEDS

An essential characteristic for a modern tractor is the versatility to take on a multiplicity of increasingly different usages in agriculture and maintenance.

It must be powerful yet compact and agile, sturdy and comfortable, productive and reliable.

RAPTOR tractors have all of these qualities, with their modern design and a wide choice of options that allow you to choose the tractor you need.

Flexible and powerful “ecological” engines, functional and reliable transmissions and efficient hydraulics ensure outstanding all-round operational performances.

RAPTOR engine

RAPTOR tractors are equipped with the excellent LOMBARDINI indirect injection engines from the FOCS series. The **RAPTOR 30** is equipped with a 1029 cc 3-cylinder engine that produces 26 hp at 3400 rpm, whereas the **RAPTOR 40** is equipped with a 1372 cc 4-cylinder engine that produces 35 hp at 3400 rpm. Both engines are liquid-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 maintenance costs and readily available replacement parts.



TRANSMISSION

The RAPTOR tractor transmission is built with helical gearing to promote maximum use of engine power and reduce noise to a minimum.

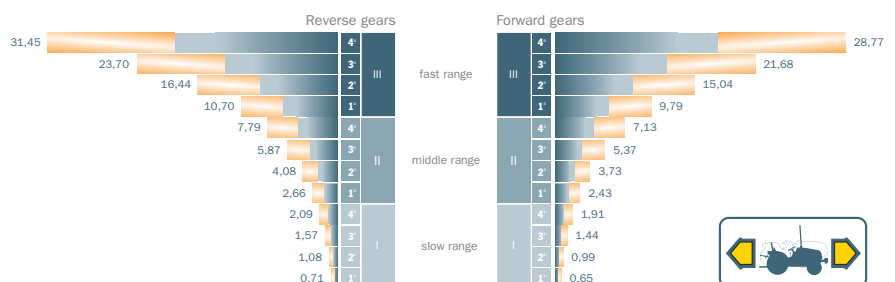
12 forward and 12 reverse gears with synchronised ratios distributed over three ranges of 4 gears each provide a wide range of operating speeds. The practical **reverser** incorporated in the transmission enables quick and easy changes of direction.

The RAPTOR tractor's **dual-disc clutch** is pedal-operated for the transmission and manual for the PTO. Positioned centrally to keep overall dimensions to a minimum, the clutch has organic friction facings for smooth, progressive engagement.

Versatility and performance are guaranteed by the RAPTOR's ability to transmit power effectively to the wheels: 4-wheel drive with the possibility of disengaging drive to the front axle and rear differential blocking, optimises traction increasing efficiency and productivity.



Chart with Km/h speeds with 3400 rpm engine and 6.5/80-12 – 250/80-18 tyres



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

RAPTOR performance

The structural characteristics of the **RAPTOR** are those of a typical conventional tractor: the **short wheelbase** and **hydrostatic steering** ensure excellent manoeuvrability and a steering radius of just 2.70 m, a valuable feature when working in limited spaces.

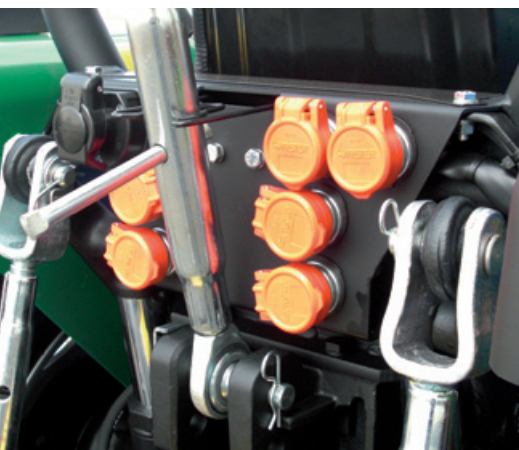
The RAPTOR tractor's **front steering axle** is a straddle design. The planetary reducers on the rear wheels, reduce overall dimensions maximising torque transmission, while the multi-disc brakes with oil bath lubrication and mechanical control ensure safe braking.

The rear PTO, independent and synchronised with the gearbox, operates at 540 rpm. There is also the option of a 2000 rpm under-belly PTO.

HYDRAULIC SYSTEM

The **hydraulic rear lift** of the RAPTOR is a double ram unit with a 3-point hitch Category 1. Supported by the hydraulic system, on request, they can be provided with draft and position control.

In addition to the rear lift, RAPTOR tractors can also be outfitted with a functional **front lift** with front and under-belly 2000 rpm PTO, indispensable for maintenance of green areas.





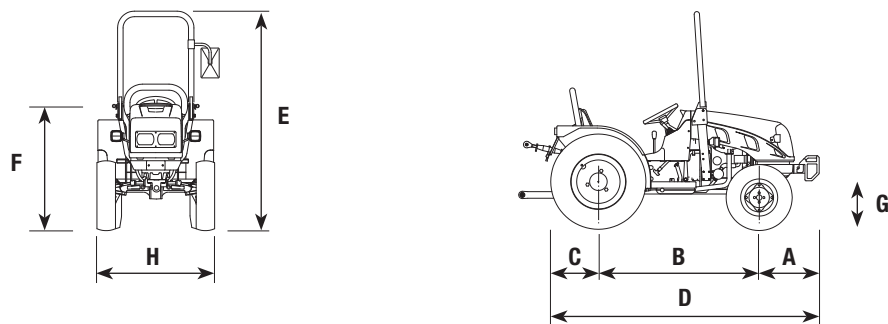
WORK STATION

RAPTOR tractors have been designed and built to optimise driving and control of the tractor. The steering wheel and the driver's seat can be adjusted to the operator's build and needs. The controls, arranged ergonomically, are all within easy reach and are quickly operated, so the operator is in complete control of work activities at all times. RAPTOR tractors can be outfitted with comfortable cabs that are homologated and soundproofed, developed with great care to ensure maximum interior comfort.



RAPTOR 30 - 40

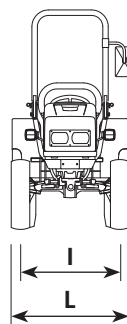
DT TRACTOR DIMENSIONS WITH FRONT FRAME



	A	B	C	D	E min/max	F min/max	G min/max	H min/max
RAPTOR 30	316	1470	407	2193	1996 2025	1103 1132	252 285	1105 1513
RAPTOR 40	316	1553	407	2276	1996 2025	1103 1132	252 285	1105 1513

DT TRACTOR WIDTH WITH THE FORESEEN WHEELS

Tyre type with relevant rim	I Wheel track min/max mm.	L Width min/max mm.
6.5/80-12 * 250/80-18 With adjustable rim	Front 865- 1109 Rear 865- 1107	Front 1030- 1274 Rear 1105- 1347
6.5/80-12 * 280/70-18 With adjustable rim	Front 865- 1109 Rear 867- 1065	Front 1030- 1274 Rear 1149- 1347
23x8.50-12 * 280/70-18 With adjustable rim	Front 959- 1045 Rear 867- 1065	Front 1167- 1253 Rear 1149- 1347
7.00-12 * 300/70-20 With adjustable rim	Front 925- 1109 Rear 873- 1227	Front 1120- 1304 Rear 1159- 1513
25x8.50-14 * 36x13.50-15 Garden With fixed rim	Front 961- 1017 Rear 991	Front 1174- 1230 Rear 1372



TECHNICAL FEATURES	RAPTOR 30	RAPTOR 40
CHASSIS	Rigid frame with steering wheels	
DRIVE	Four-wheel drive with front wheel drive disengagement	
ENGINE	Indirect injection Diesel	
Manufacturer	Lombardini	
Model	LDW 1003 FOCS	LDW 1404 FOCS
Number of cylinders	3	4
Displacement cm ³	1029	1372
Power KW/Hp	19 / 26	25,5 / 35
Rpm	3400	
Maximum Torque (Nm/rpm)	59,0 - 2200	82,5 - 2200
Cooling	Water	
TRANSMISSION	24 speed gearbox: 12 forward and 12 reverse speeds with synchronized reverser	
CLUTCH	Dual-plate with pedal control for gearbox - Hand lever control for the PTO	
DIFFERENTIAL LOCK	Rear with mechanical control	
FRONT AXLE	Steering portal axle	
REAR AXLE	With planetary reduction units	
POWER TAKE-OFF		
Standard	Rear, with mechanical control, independent 540 rpm and synchronized with the gearbox	
Optional	Under-belly PTO with mechanical control - 2000 rpm	
ELECTRIC SYSTEM	12 Volt 45 Ah	
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 and 3-point hitch Category 1 Optional: Draft and position control	
Lifting capacity Kg.	700	
SERVICE BRAKES	Multidisc, in oil bath	
PARKING BRAKE	Acting on the service brakes	
STEERING	Hydrostatic steering on front axle	
ROLL-BAR FRAME	Front, folding type	
TYRES		
Standard	Front: 6.5/80-12 * Rear: 250/80-18	
Optional	Front: 6.5/80-12 * Rear: 280/70-18 Front: 23x8.50-12 * Rear: 280/70-18 Front: 7.00-12 * Rear: 300/70-20 Front: 25x8.50-14 * Rear: 36x13.50-15 Garden	
WEIGHT OPERATIONAL		
With chassis (kg.)	860	890
With cabin (kg.)	1010	1040
OPTIONAL	Homologated and sound proofed cabin, heating and ventilation systems * Front lift (lifting capacity 350 kg) with front and under-belly PTO at 2000 rpm* Bostrom seat * Adjustable steering wheel * Front tow hook * Wheel weights * Front 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

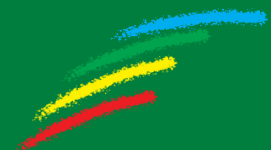
Efficient and valid assistance service with the support of friendly and competent technical staff.
E-service is the on-line tool supporting the service.



SALES FORCE

An extensive and efficient sales force guaranteeing service and assistance.

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BCS S.p.A. - Divisione Ferrari

Viale Mazzini, 161 - 20081 Abbiategrasso (MI) - Tel. +39 02 94821 - Fax +39 02 94960800 - E-mail: bcs@bcs-ferrari.it - www.ferrariagri.it