

**ROW
CROPS**



Self-propelled

2500 L 3200 L 4200 L 5200 L

BERTHOUD[®]
Forward together

RAPTOR®

An efficient partner to optimise your profits



Available in mid-cab version fitted with a front boom or a rear boom, it is also accessible in the front cab version: these three models currently offer the most complete self-propelled range available.
 The RAPTOR range is available from 2500 to 5200 l associated to booms from 24 to 44 m that are fitted as standard with many items of equipment that optimise your performance:
 hydrostatic transmission with DEUTZ geared reducers, certified for driving at 40 kph...
 The RAPTOR range has been designed for large surface areas whilst optimising your comfort and productivity.

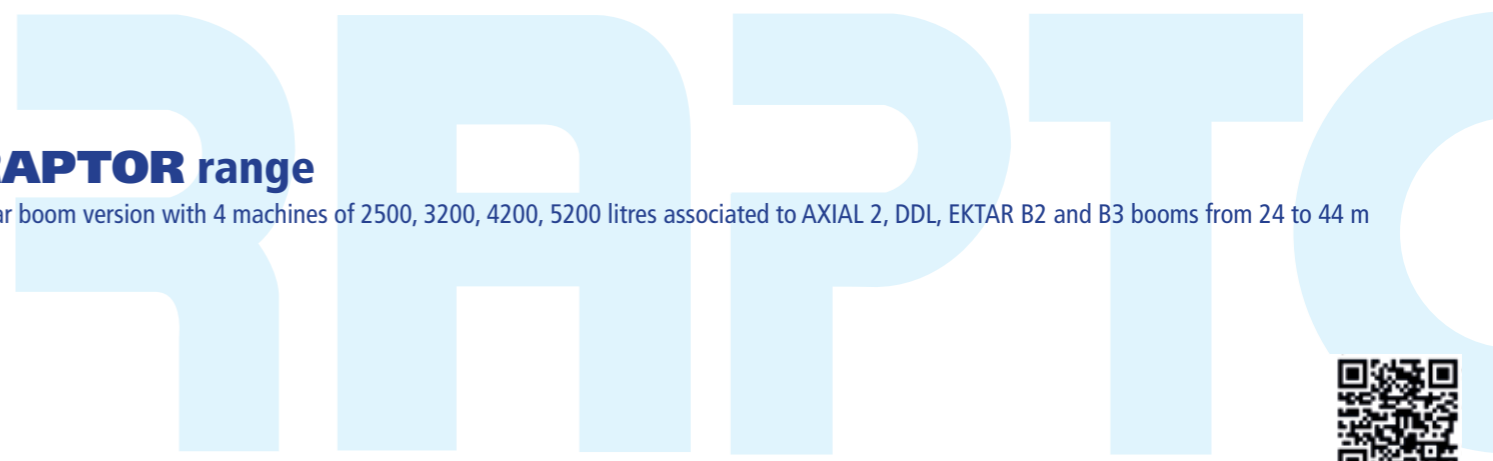
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RAPTOR range

Rear boom version with 4 machines of 2500, 3200, 4200, 5200 litres associated to AXIAL 2, DDL, EKTAR B2 and B3 booms from 24 to 44 m



Discover the video clip of our range

RAPTOR®

The widest range on the market

Depending on your needs and requirements, BERTHOUD offers you a choice of 3 types of machines with capacities from 2500 to 5200 litres with booms from 24 to 44 m.



Discover the video clip of our range

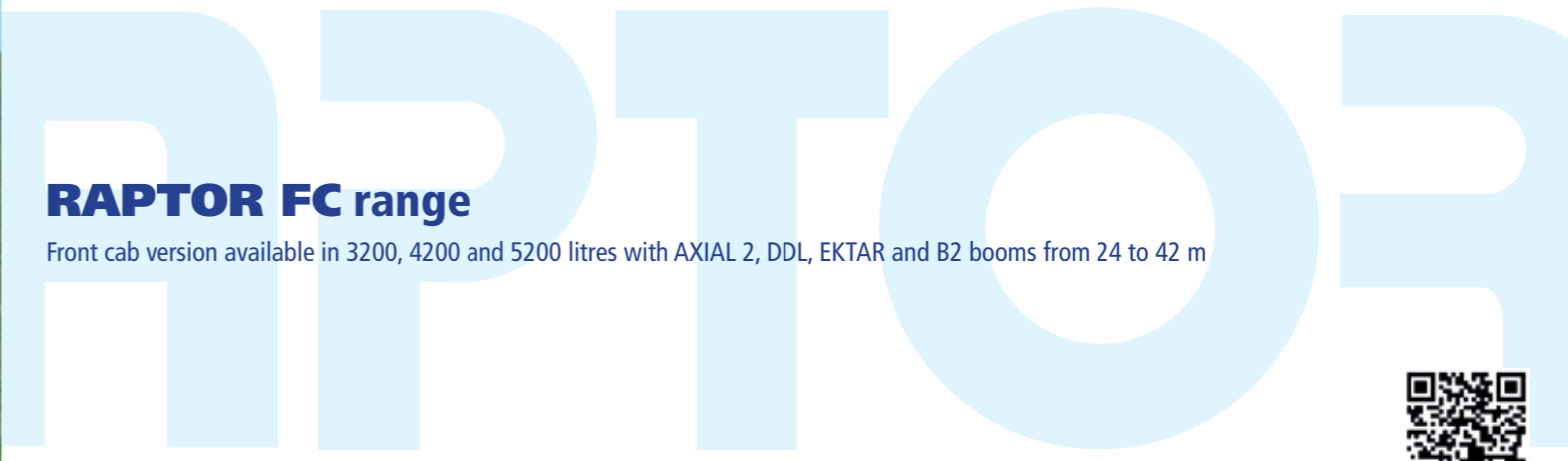
RAPTOR AS range

Front boom version available in 4200 and 5200 litres associated to the EKTAR boom from 36 to 42 m Specific self-propelled.



RAPTOR FC range

Front cab version available in 3200, 4200 and 5200 litres with AXIAL 2, DDL, EKTAR and B2 booms from 24 to 42 m



Discover the video clip of our range

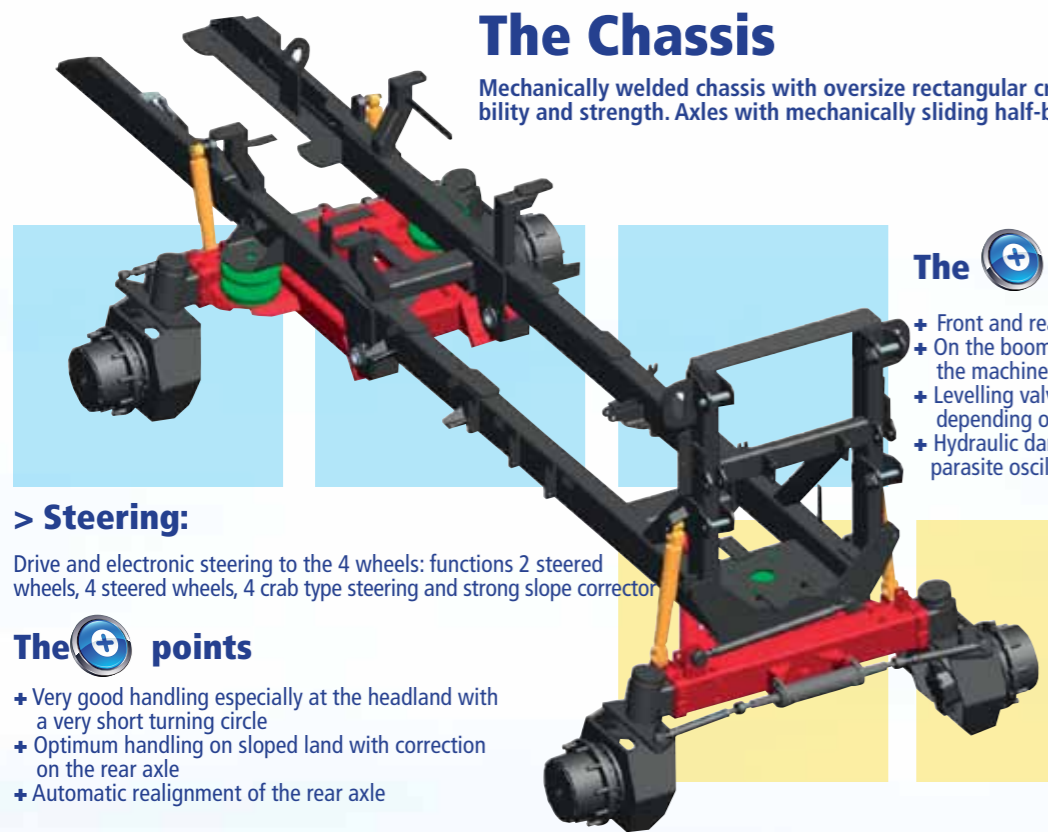
Chassis and transmission:

Strength and comfort combined with the

power of a reputed transmission

The Chassis

Mechanically welded chassis with oversize rectangular cross section to provide the machine with stability and strength. Axles with mechanically sliding half-beams (variable hydraulic track width option)



The chassis

- + Front and rear axles on DUNLOP pneumatic suspension
- + On the boom side, an oscillating axle for optimised adaptation of the machine to all types of land
- + Levelling valve to adapt the air pressure in the suspension depending on the load
- + Hydraulic dampers on each wheel to limit parasite oscillations

> Steering:

Drive and electronic steering to the 4 wheels: functions 2 steered wheels, 4 steered wheels, 4 crab type steering and strong slope corrector

The points

- + Very good handling especially at the headland with a very short turning circle
- + Optimum handling on sloped land with correction on the rear axle
- + Automatic realignment of the rear axle

BOSCH REXROTH hydrostatic transmission with geared reducers

The points

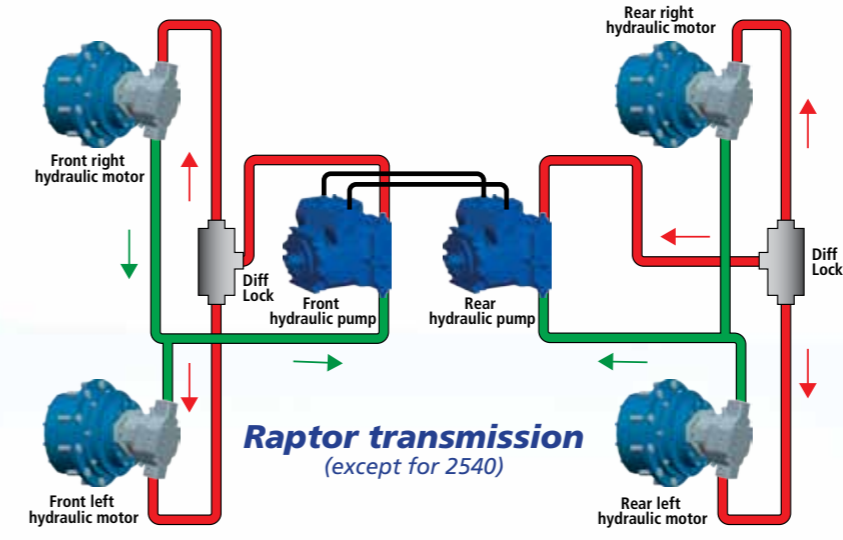
- + Rapid hydraulic motor with variable capacity: **flexibility and adaptability**
- + Final reduction by planet gear: **power and torque**
- + AUTOMOTIVE drive: available for over 10 years on our machines, with the RAPTOR you can enjoy a "continuously variable" drive
- + 2 hydraulic pumps of variable capacity: **hydro-mechanical locking at front/rear**
- + Differential locking as standard
- + HYDROPILOT as standard: cruise control and speed limiter for constant working speeds
- + Hydrostatic dynamic and static braking on all 4 wheels
- + 3 speed ranges: 0-15 kph - 0-22 kph - 0-40 kph



+ Motors built into the jambs to limit the impact on crops

The other types of transmission compared to the RAPTOR:

- > **Full hydrostatic transmission:** lower output / less torque at wheels / more time required to heat the transmission oil for high power demands / poor splitting of the power to the four wheels in difficult conditions
- > **Hydromechanical transmission:** more maintenance/servicing required (draining of axle) and shorter life (shaft, drive train...) Noisy transmission
- > **Easy maintenance on the RAPTOR:** The various parts are easily accessible for maintenance operations: radiators and filters under the removable grill, hydraulic oil tank under the side panel



> Drive:

The RAPTOR and RAPTOR AS models are fitted with a DEUTZ engine to the TIER 3A standard (capacity 6.06 l)
The RAPTOR FC models are fitted with a DEUTZ TIER 3b engine with EGR valve regeneration and particle filter

Advantages of the TIER 3b engine:

- > No additives required, the operator continues working as with a conventional version
- > Automatic regeneration with an indication of the regeneration in progress and possible manual delay for the operator



RAPTOR 2540: light but strong!

- > Specific hydraulic: a hydraulic pump with variable capacity associated to 2 rapid engines with variable capacity with geared reducers at the rear and two slow motors at the front
- > 4 wheel drive and 2 steered wheels as standard (4 steered wheels in option)
- > 1 pneumatic suspension at the front and 1 at the rear
- > Front tyres are different from the rear tyres
- > Small turning circle for efficient manoeuvring

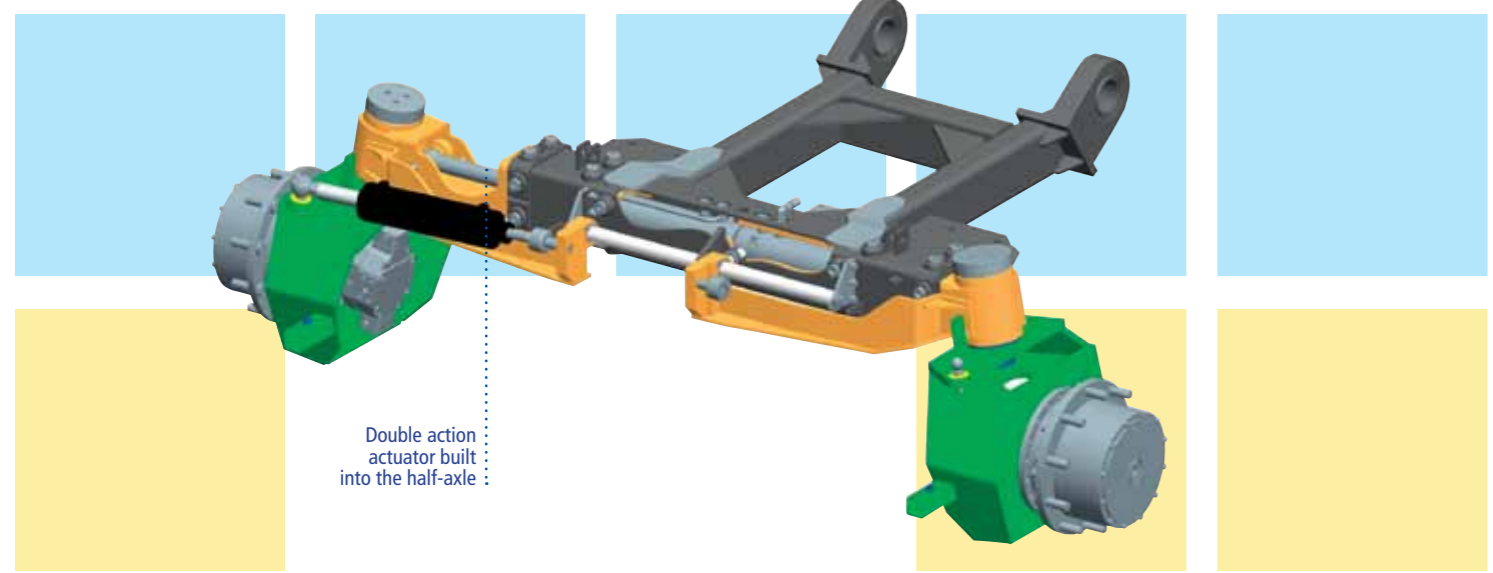
Optimised weight power ratio
25 hp/ton



Berthoud, at the heart of innovation

Uncompromising adaptation !

Variable hydraulic track width: adapt your track width to suit your requirements, the variable track width has an amplitude of 600 mm from 1.80 to 3.05 m depending on the models (see table at the back of the brochure)



Double action actuator built into the half-axle



A simple and efficient design: each half-axle is controlled independently by a double action ram: **reduced maintenance, little wear in time**

It has 4 operating modes:
 > Automatic mode: used to programme a given track width with automatic adjustment when the machine moves forward
 > "Manual" mode permits each wheel of the machine to be controlled independently
 > Alignment : check of parallelism
 > "Offset" mode: allows a wheel rim offset value to be saved for wheels with different tyres fitted



Ground clearance

Depending on the versions, you can have ground clearances of between 1.05 and 1.8 m. This allows you to reduce significantly the impact on your crops.

Equipment with exceptional clearance



For ground clearances between 1.4 m and 1.8 m, BERTHOUD offers you specific equipment:
 > TWINLIFT: exclusive to BERTHOUD based on a double frame system that permits work without intervention by the operator, both on bare ground and on high crops with a height under the boom of between 0.5 m and 3.1 m
 > Easier access to controls via a retractable step



The cab: when driving is a pleasure



RAPTOR and RAPTOR AS version

- Cab in central position
- Easy access from the rear
- Panoramic cab mounted on silentblocks, extra soundproofing
- Pressurised cab, charcoal filter system; category 3
- Self-regulating air conditioning
- MP3 radio
- Swivelling pneumatic seat
- Heated electric rear view mirrors
- Fold-up seat option
- Hydraulic access ladder protected by cover



RAPTOR FC Version

Cab with hydraulic lift with Nitrogen ball suspension

- + Easy cab access by means of a removable walkway
- + Less oscillations in the cab compared to rival models
- + Access to the cab by removable rear ladder when the cab is in the raised position
- + Charcoal filtering
- + Automatic air conditioning
- + Extra soundproofing
- + Passenger seat as standard
- + Heated electric rear view mirrors



Everything within reach!



- 1 Driving modes: 2 SW/4SW/4 crab wheels
- 2 Rear slope corrector: switch to choose the direction of turning + potentiometer for the turning angle
- 3 Gearshift under load
- 4 Parking brake
- 5 On/Off spray pump
- 6 Pump rotation speed variator
- 7 Locking of differentials
- 8 Transmission power selector
- 9 Engine speed variator
- 10 Speed limiter
- 11 Cruise control

RAPTOR®

Pump sub-unit

The **DUALMATIC** selector unit and the **OMEGA** pump are a perfect tandem!

DUALMATIC

DUALMATIC, easy to use and reduces your residual volumes. Specially designed and developed by BERTHOUD, the staging of the valves allows the length of the pipes to be reduced and to limit the residual volumes at the end of spraying. Furthermore, by limiting the number of valves, this **makes the machine easier to use**. It is associated to the **BERLOGIC** panel to identify the 17 functions of the machine using text = **no risk of misinterpreting the functions**.



Bi turbine centrifugal pump developed by BERTHOUD combining flow rate and pressure:

- > 550 l/min at 3 bars
- > 2 low and high pressure compartments
- > Self-priming pump
- > A spraying pressure of up to 8 bars
- > Located close to the sump to limit residual volumes

OMEGA pump



Your sprayer at your fingertips with DUALELEC, the only fully motorized sprayer on the market

Fully electric version available for application, the DUALELEC allows you both in the cab and at the spraying station to control all of the RAPTOR functions without operating valves. (option)

- > Control of tank rinsing, the boom and the circuits in the cab
- > Mixing control in manual mode
- > Control of filling volume with automatic cut out and automatic control of the agitation to suit the tank level with DUALELEC 5
- > The system may still be used manually if the event of a fault



Raptor 2540

Chemical funnel :

- > Capacity of 25 l
- > Offset gun for opening and the additional valve for rinsing the funnel
- > Can washes
- > Clear water supply via external aspiration or the rinsing tank to rinse cans

Searching out good practices

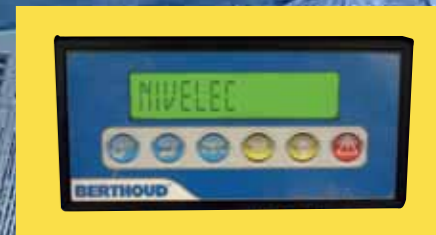


Eliminating residual volumes

Managing your residual volumes means measuring the volumes in your tank correctly

NIVELEC gauge optimise your precision

- > Digital display of the spray mixture level in the tank, when spraying and in the cab
- > Conservation of the tape gauge for direct reading



NIVOMATIC gauge: the solution to overflows!

- > Programme a filling volume stopped with a buzzer sounding or stopping the filling
- > Conservation of the tape gauge for direct reading

Good practices by BERTHOUD

RAPTOR®

the eye of precision

DP TRONIC and e C TRONIC: Electronic regulations via pressure sensor

The regulation by a sensor pressure offers several advantages:

- > Improved precision (pressure measurement close to the nozzle and more efficient on smaller volumes)
- > Not affected by clogging or blocking
- > No calibrated returns
- > Reduced maintenance
- > Closing of nozzle/nozzle requires no change in setting

The DP TRONIC monitor

Features:

- > To control spraying and the boom
- > Adjusting the volume/ha
- > Permanently display the 4 main spraying parameters (Volume/ha, speed, litres sprayed, pressure measured)
- > Display of single accumulated total and memory storage for 10 parcels
- > Precise agriculture accounting

The DP TRONIC

- + Start up pressure
- + Minimum pressure during spraying (pressure threshold)
- + Modulation of the dose during treatment within DPE
- + Associated to a multi-function joystick for improved working comfort



The e C TRONIC monitor

Features:

- > Permanently display the main spraying parameters (Volume/ha, speed, pressure measured)
- > Integrates certain options: DUALELEC, weather station...
- > Traceability (by field, with multi users...)
- > Individually pilots 15 sections sequentially on the multi-function gun
- > Simplified driving aid available in option: automatic folding / unfolding of the boom. Automatic headland management.



EXCLUSIVE TO BERTHOUD



The e C TRONIC

- + BUS CAN technology
- + Large 15 cm colour screen
- + ePILOT multi-function wireless joystick as standard: range of up to 25 m from the central unit to check any blocking of the nozzles, the adjustment of the booms, the measurement of the nozzle flow from outside!

BERTHOUD regulation valve

- > Double butterfly valve
- > Can restrict the OMEGA pump flow rate: reduces regulations returns when flow requirements are low = avoids foaming =Reduction of the residual volumes



BERTHOUD's constant development

GPS assistance: Make your job easier

BERTHOUD offers you different possibilities to achieve precision agriculture

eTECH or eTECH Visio units: a turn key solution!

The BERTHOUD regulation units may be fitted with eTECH or eTECH Visio units for guidance and sections shut-off. Touch screen console with a same level of functions available with 2 screen sizes, 5.7" or 8.4".

These solutions permit:

- > Guidance or auto-guidance
- > The GPS controlled section shut-off displays the state of the sections (closed/open) and the zones worked on in single, double or triple overlaps. As each application requires a different level of precision, the BERTHOUD GPS solutions are supplied as standard with a EGNOS receiver (free signal - 15-30 cm), other reception levels are available as an option to increase precision.

These two units may be used with cameras to check on a display on the guide bar.

The advantages of a second unit dedicated to GPS assistance:

- > Ergonomic in use: one housing = one function
- > The guide bar may be used for another application



Opt for the solution of your choice!



The BERTHOUD regulation units are pre-equipped to suit many different GPS solutions available. The RAPTOR range may, in option, be pre-equipped for self-guiding, and also be equipped with a TRIMBLE Ready kit.

digitally BERTHOUD

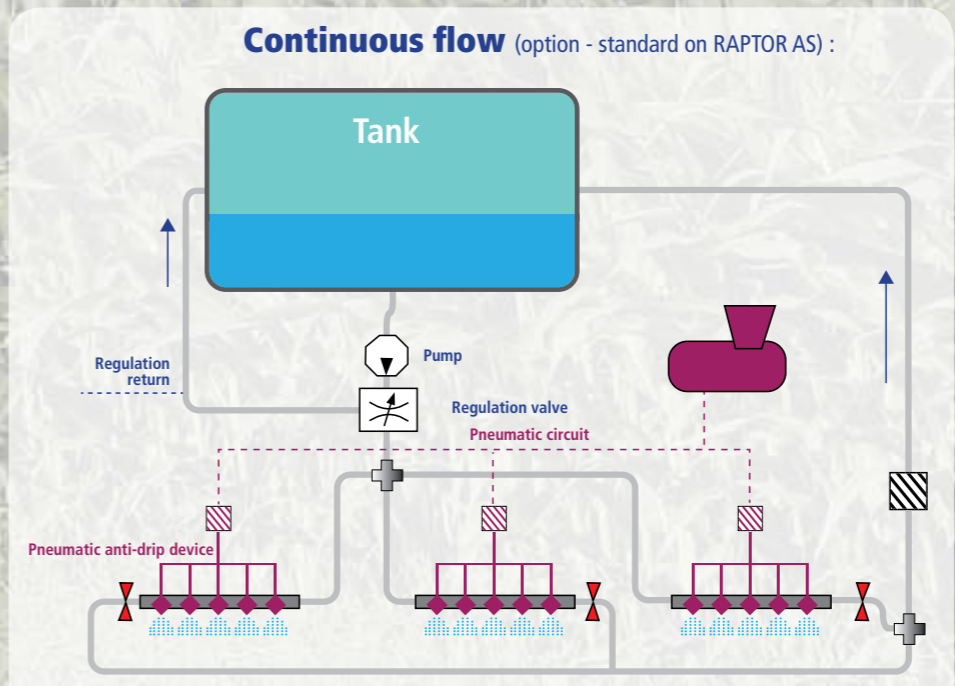
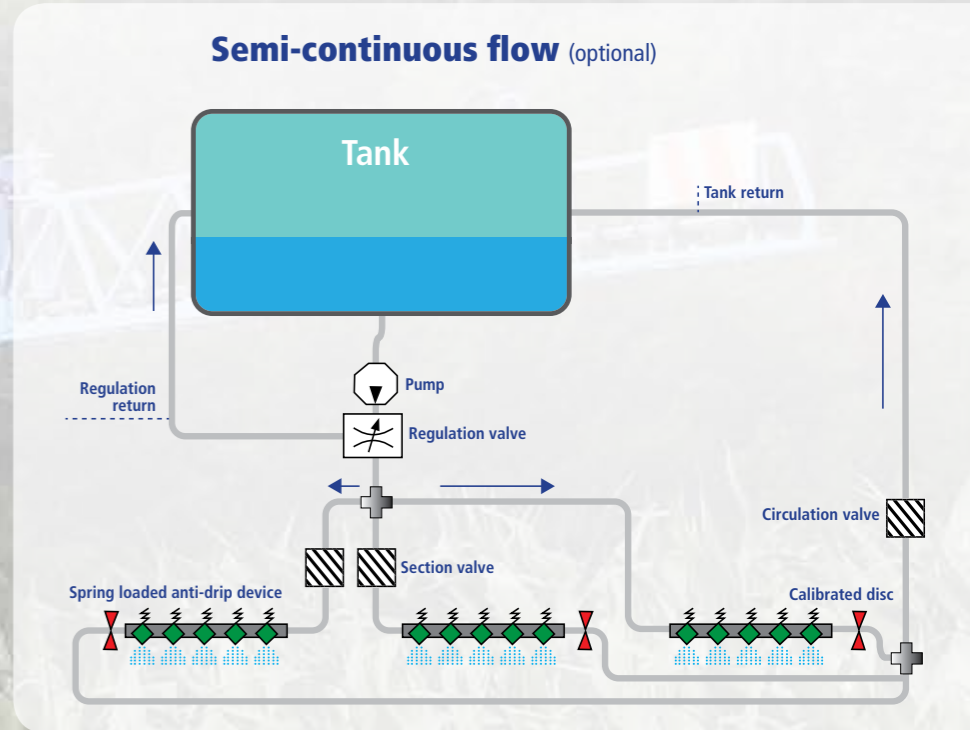
Flow of spray mixture make the difference!

Discontinuous flow: the basis

The spray mixture only flows in the sections when spraying, no return to the tank at the end of the section. Other types of flow systems can be used with RAPTOR.

RAPTOR can also be fitted with semi-continuous flow. This system permits continuous flow of the liquid during spraying to avoid clogging at the end of the sections.

This type of flow has an interesting advantage when used powder products and when carrying out volume treatments.

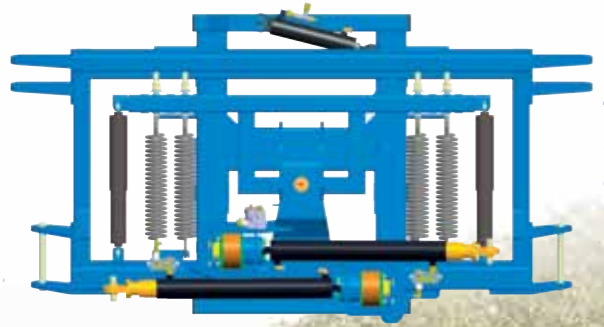


This ensures that the spray mixture flows during and after spraying. Based on an AGP system (Pneumatic Anti-Drip), it provides various advantages:

- > Minimises dirt and deposits
- > Permanent agitation
- > The rinsing water may be used several times by "recirculating" it = less contaminated water to be evacuated
- > Rapid start-up
- > Instantaneous pneumatic shut-off
- > Returns channelled to a single pipe
- > Motorized valves to open the circulation from the cab
- > Benefit from instantaneous priming at low cost thanks to the pneumatic circuit supplied as standard on Raptor

The AXIAL boom

Exceptional vertical stability especially when turning and very good stability on sloped ground thanks to its central pivot suspension. It follows variations in slopes without any action required by the user. Available from 24 to 33 m.



The boom is equipped with an anti-yaw device independent for each arm. This system reduces horizontal whiplash when accelerating and braking to protect the boom structure.

Legendary stability

Quadrix protected nozzle holders at the front and the rear



End arms breakaway in 3 directions



The articulations are very sturdy, and cylinders operate with piston retracted when the boom is unfolded



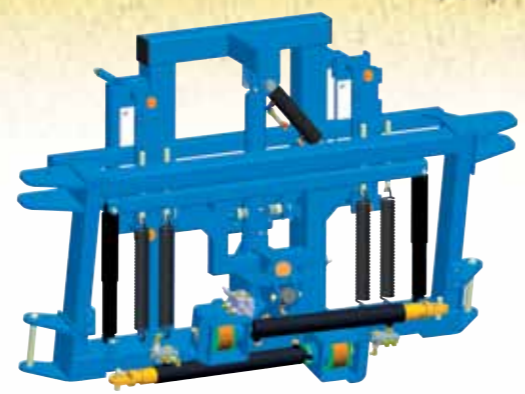
Vertical damping by Nitrogen ball on the rams



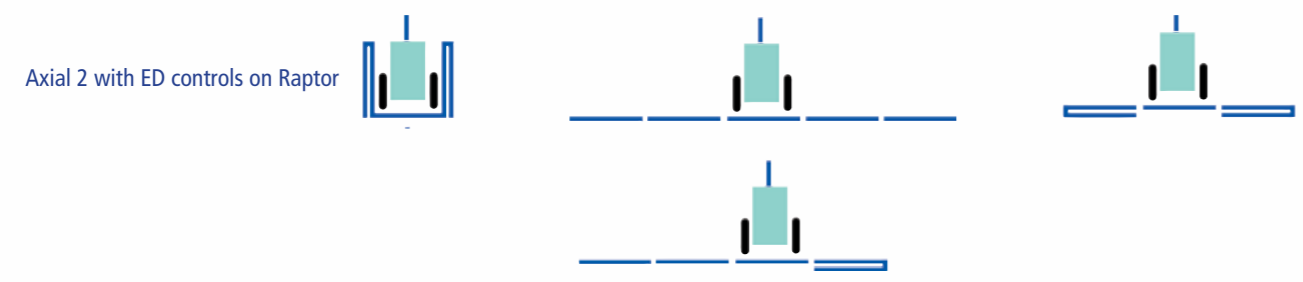
a structure for row crops

Pendulo axial suspension: the BERTHOUD

Available as an option, it combines AXIAL suspension and the pendulum "advantage". Switching from one mode to another is controlled hydraulically from the cab. You can consequently work in all types of conditions, BERTHOUD provides you with the solution.

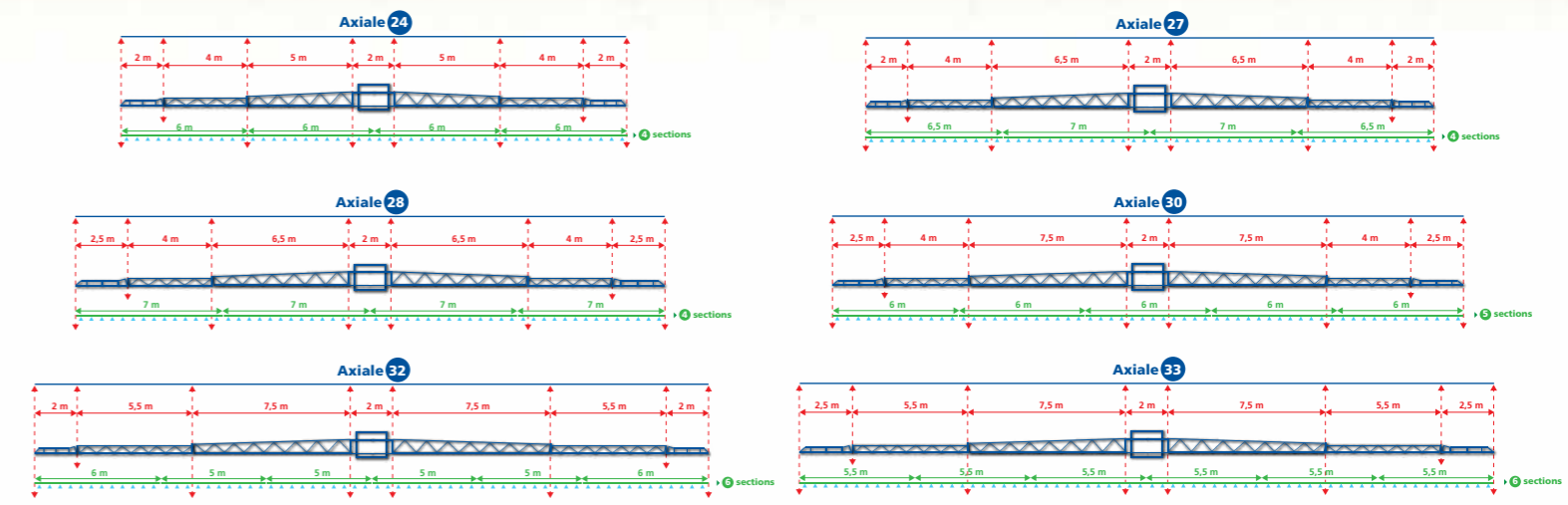


folding and details



Axial 2 with ED controls on Raptor

details of the structure and sections



BERTHOUD expertise

EKTAR B2 and B3

The strength of a range: make your choice

EKTAR B2 boom: Your performance advantage for dealing with large surface areas

Available in 36, 38, 40 and 42 m, the EKTAR B2 boom was developed by BERTHOUD to provide you with a real advantage to increase your productivity.

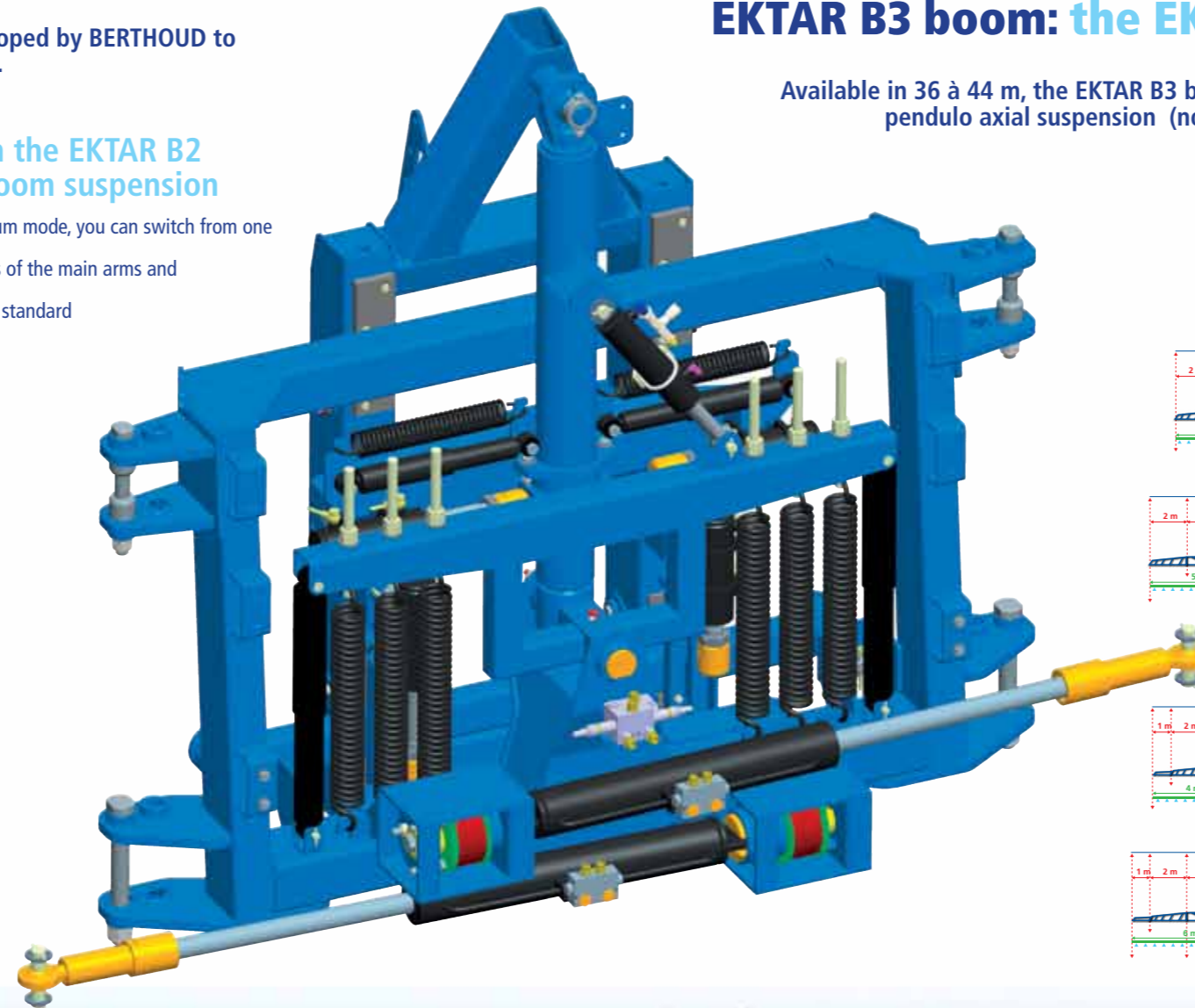
A point in common between the EKTAR B2 and B3: the pendulo Axial boom suspension

- > Allows you to work in Axial mode or in pendulum mode, you can switch from one mode to the other from the cab
- > Double anti-yaw effect : on unfolding actuators of the main arms and on the mobile frame
- > Slope control, variable geometries and reset as standard

Triangulated arm structure of BERTHOUD design = compact and sturdy for working at high speeds



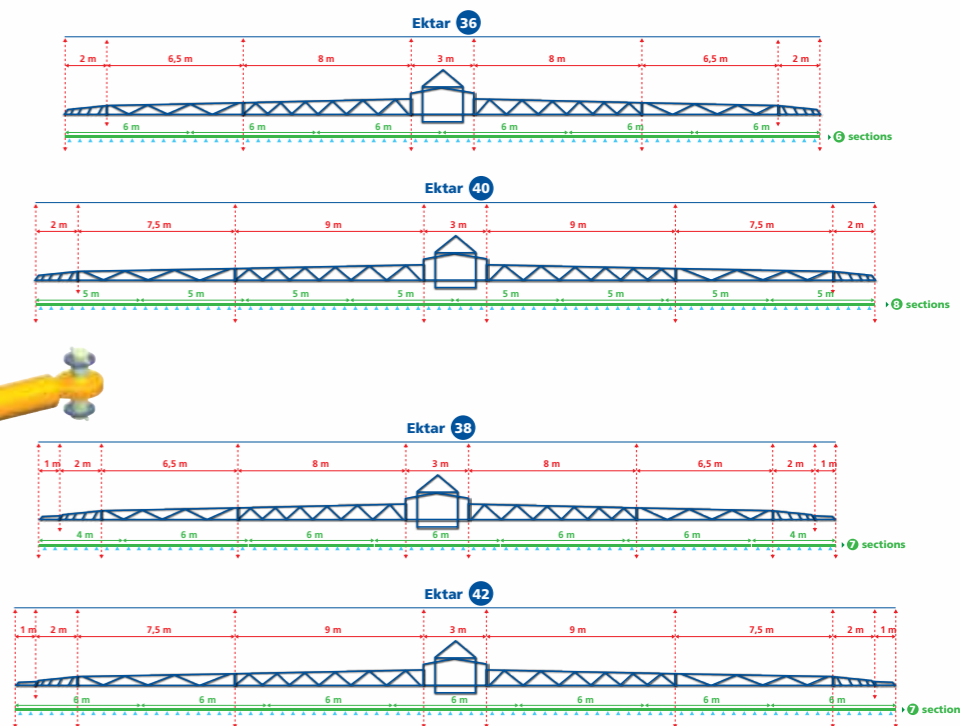
Large dimension steel articulation that locks when working. Cylinder operates with piston retracted when the boom is unfolded = safe locking.



EKTAR B3 boom: the EKTAR advantage in a compact version

Available in 36 à 44 m, the EKTAR B3 boom has a POMMIER design and is associated to a BERTHOUD pendulo axial suspension (not available on 4240FC and 5240FC from 39 to 44 m)

details of the structure and sections for EKTAR B2



RAPTOR AS Closer to spraying

A specific boom frame



- > Pendulum type suspension
- > Double anti-yaw : on the central frame and the folding rams of the main arms
- > Dampers to reduce parasite oscillations
- > Wide view window for the driver

As standard, equipment that optimises your comfort and maximises the quality of your work

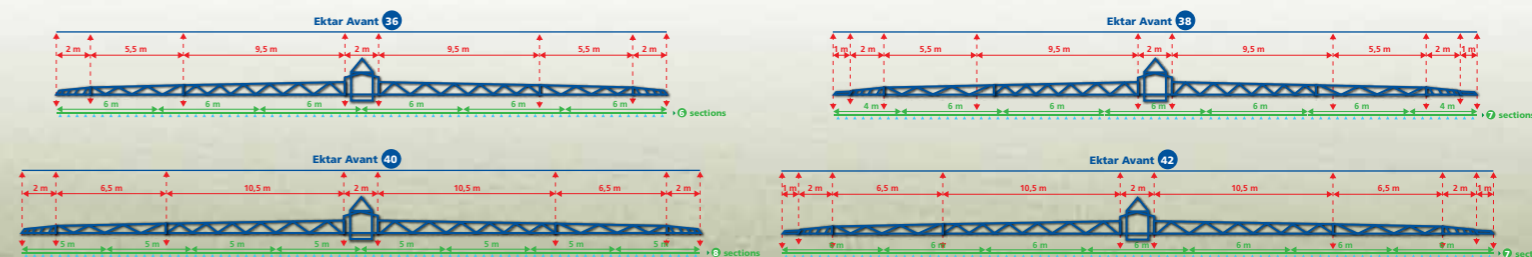
- > DUALELEC 5
- > Continuous flow with Pneumatic anti drip system

A specific boom self-propelled front boom!

- > Available from 36 to 42 m
- > Width of 2.55 m: for driving on roads at 40 kph
- > BERTHOUD design boom



details of the structure and sections



Only available for certain markets (ask for details)

Optional equipment

BOOM CONTROL: the most efficient system on the market

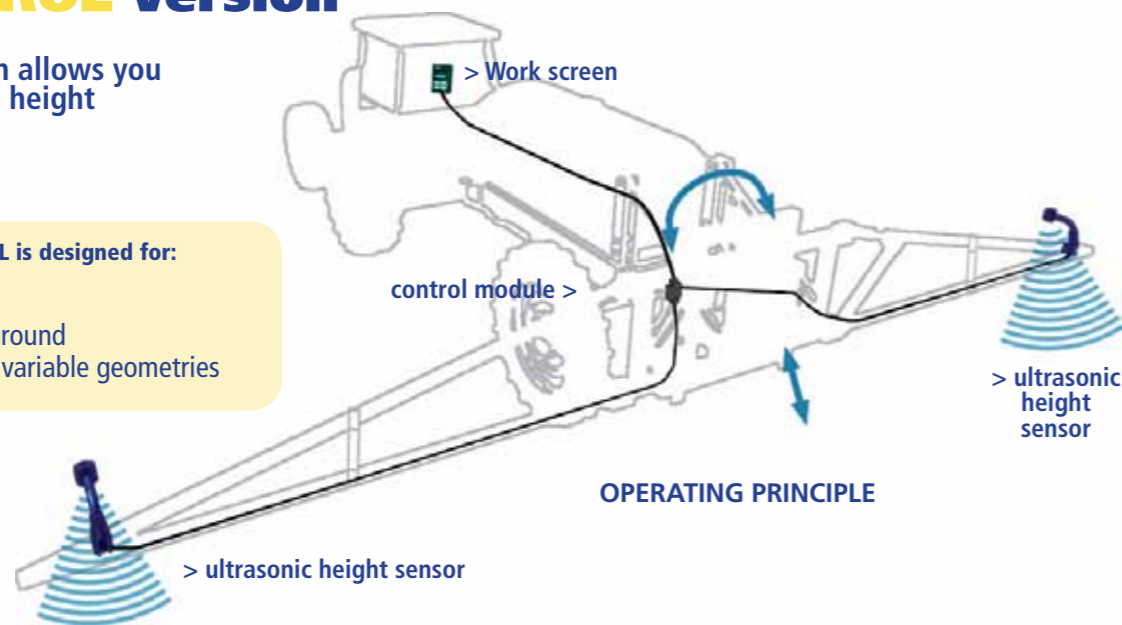
The BERTHOUD BOOM CONTROL automatic boom height regulation system is available as an option on all of our machines fitted with solenoid valves. The BOOM CONTROL keeps the boom at a height that is pre-set by the user. Two versions are available:

SLANT CONTROL version

The SLANT CONTROL version allows you to control automatically the height of the boom and the slope.

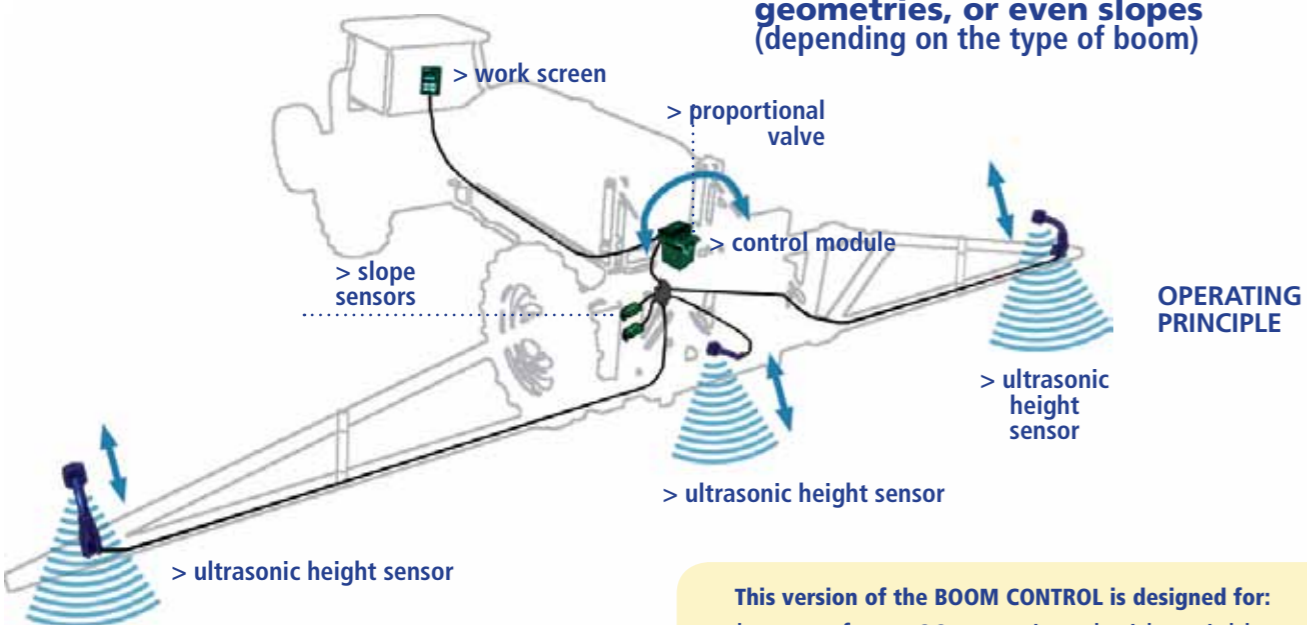
This version of the BOOM CONTROL is designed for:

- sprayers with booms up to 28 m
- sprayers used on relatively flat ground
- sprayers that are not fitted with variable geometries



TOTAL CONTROL version

The TOTAL CONTROL version controls all boom functions: height, variable geometries, or even slopes (depending on the type of boom)



This version of the BOOM CONTROL is designed for:

- booms of over 28 m equipped with variable geometries
- rolling land

that makes the difference



EXCLUSIVE TO BERTHOUD

The advantages of the BOOM CONTROL:

- > Working speed of up to 30 kph
- > Ground/vegetation mode
- > In the TOTAL CONTROL version, there is a proportional hydraulic valve for quick and smooth movements
- > Automated headland mode
- > Factory fitted or can be added later to the machine

Boom lighting

A lighting pack may be fitted to the machine. For booms of up to 33 m, it includes 2 lights on the boom and 4 lights for booms of over 33 m



External washing

Available in option, it allows you to wash the machine in the field using an automatic reel with 18 metres of hose as well as a gun and brush.



BERTHOUD technology

Technical features RAPTOR ranges

	RAPTOR 2540	RAPTOR 3240	RAPTOR 4240	RAPTOR 5240	RAPTOR 3240 FC	RAPTOR 4240 FC	RAPTOR 5240 FC	RAPTOR 4240 AS	RAPTOR 5240 AS
CHASSIS									
Chassis									
Pneumatic suspension (1 at the front, 1 at the rear)	X								
Pneumatic suspension (2 at the front, 1 at the rear)		X			X				
Pneumatic suspension (2 at the front, 2 at the rear)			X	X		X	X	X	X
Hydraulic suspension	X	X	X	X	X	X	X	X	X
Ground clearance									
1.05 m	X	X		X					
1.1 m			X	X		X	X	X	X
1.25 m	0	0		0		0	0	0	0
1.4 m	0	0	0	0	0	0	0	0	0
1.6 m	0	0	0	0				0	0
1.8 m		0	0						
Mechanically variable track width									
1.8 m to 2.25 m	X		X			X	X	X	X (min. track width 2,25 m)
1.8 m to 2.4 m		X		X					
2 m to 2.7 m	0	0	0	X (min. track width 2,25 m)	0	0	0	0	0
2.2m to 3 m			0	0		0	0	0	0
2.5 to 3.05 m	0	0		0					
Variable hydraulic track width									
1.8 m to 2.25 m			0			0	0	0	0
1.8 m to 2.4 m		0 (GAS 1.05 or 1.25 m)			0 (GC 1.05 or 1.25 m)				
2 m to 2.7 m		0 (GAS 1.05 or 1.25 m)	0	0	0 (GC 1.05 or 1.25 m)	0	0	0	X
2.4 to 3.05 m		0 (GAS 1.05 or 1.25 m)	0	0	0 (GC 1.05 or 1.25 m)	0	0	0	X
Steering									
2 steered wheels	X	X	X	X	X	X	X	X	X
4 steered wheels	0	X	X	X	X	X	X	X	X
Crab mode	0	X	X	X	X	X	X	X	X
Slope correction	0	X	X	X	X	X	X	X	X
Wheel base	3.8 m	3.9 m	4.45 m	4.45 m	3.9 m	4.45 m	4.45 m	4.45 m	4.45 m
turning radius									
2 steered wheels	5.8 m								
4 steered wheels	3.9 m	4.8 m	5.1 m	5.1 m	4.8 m	5.1 m	5.1 m	5.1 m	5.1 m
Transmission									
4 driven wheels	X	X	X	X	X	X	X	X	X
+ 2 hydraulic pumps of variable capacity:		X	X	X	X	X	X	X	X
+ 1 hydraulic pump of variable capacity:	X								
Slow front motors MCR 10	X								
Rapid front motors with variable capacity from 20 to 55cm ³		X			X				
Rapid front motors with variable capacity from 28 to 80 cm ³		0	X	X		X	X	X	X
Rapid front motors with variable capacity from 20 to 55 cm ³	X	X			X				
Rapid front motors with variable capacity from 28 to 80 cm ³		0	X	X		X	X	X	X
Diff-lock	X	X	X	X	X	X	X	X	X
AUTOMOTIVE drive	X	X	X	X	X	X	X	X	X
HYDROPILOT speed regulation	X	X	X	X	X	X	X	X	X
Engine									
DEUTZ TIER 3 180 hp	X	X							
DEUTZ TIER 3 200 hp		0						X	
DEUTZ TIER 3 240 hp			0	X				0	X
DEUTZ TIER 3b 176 hp					X				
DEUTZ TIER 3b 217 hp					0	X	X		
DEUTZ TIER 3b 245 hp						0	0		
Speeds									
Fields: 16-19 kph	X								
Fields: 16-22 kph		X	X	X	X	X	X	X	X
Road: 40 kph	X	X	X	X	X	X	X	X	X
Fuel tank	310 l	360 l	360 l	360 l	360 l	360 l	360 l	360 l	360 l
Cab access ladder with hydraulic lift		X	X	X	X	X	X	X	X
Cab access ladder with manual lift	X								
Auto-guidance pre-equipment	0	0	0	0	0	0	0	0	0

	RAPTOR 2540	RAPTOR 3240	RAPTOR 4240	RAPTOR 5240	RAPTOR 3240 FC	RAPTOR 4240 FC	RAPTOR 5240 FC	RAPTOR 4240 AS	RAPTOR 5240 AS
SPRAYING EQUIPMENT									
Main tank	2500 l + 5%	3200 l + 5%	4200 l + 5%	5200 l + 5%	3200 l + 5%	4200 l + 5%	5200 l + 5%	4200 l + 5%	5200 l + 5%
260 l rinsing tank	X								
440 l rinsing tank		X			X				
450 l rinsing tank			X	X		X	X	X	X
Hand wash tank	X	X	X	X	X	X	X	X	X
Manually retractable chemical funnel	X								
Hydraulic retractable chemical funnel		X	X	X	X	X	X	X	X
Tape gauge	X	X	X	X	X	X	X	X	X
NIVELEC gauge	X	X	X	X	X	X	X		
NIVOMATIC gauge	0	0	0	0	0	0	0	X	X
DUALELEC 4	0	0	0	0	0	0	0		
DUALELEC 5	0	0	0	0	0	0	0	X	X
Filling filter 8/10 th	X	X	X	X	X	X	X	X	X
Pressure filter 4/10 th	X	X	X	X	X	X	X	X	X
Modular agitation	X	X	X	X	X	X	X	X	X
Shut-off of agitation	0	0	0	0	0	0	0	X	X
Rinsing of boom without return to tank	X	X	X	X	X	X	X	X	X
Lav' ton main tank	X	X	X	X	X	X	X	X	X
DP TRONIC	Depends on choice of basic machine							Depends on choice of basic machine	
EC TRONIC					X	X	X		
AXIALE boom	24-28m	X	X	X	X	X	X		
DDL boom	Option on AXIAL boom version								
EKTAR B2/B3 booms			X	X			X (except EKTAR B3 from 39 to 44 m)		
EKTAR Av boom								X	X
Stainless steel Spray lines	X	X	X	X	X	X	X	X	X
Nozzles	4 sets of nozzles supplied as standard								
BOOM CONTROL	0	0	0	0	0	0	0	0	0
Semi continuous circulation	0	0	0	0	0	0	0		
Continuous circulation (AGP)	0	0	0	0	0	0	0	X	X
Boom lighting	0	0	0	0	0	0	0	0	0
External washing	0	0	0	0	0	0	0	0	0
TWINLIFT		0	0	0	0	0	0		

X	Standard
0	Option
	Not available





Sizes

	RAPTOR 2540		RAPTOR 3240			
	AX24	AX28	AX24	AX28	AX30	AX32-33
Vehicle weight Total	7145	7215	8445	8510	8875	8900
Vehicle weight Axle 1	3371	3405	4525	4560	4755	4770
Vehicle weight Axle 2	3773	3810	3920	3950	4120	4130
Total authorised load	10380	10450	12380	12445	12805	12840
Total authorised load for Axle 1	4425	4455	5815	5845	6015	6030
Total authorised load for Axle 2	5954	5995	6565	6600	6790	6810
Dimensions (with standard ground clearance)						
Length (in m)	8.25	8.04	8.96	8.73	8.73	8.73
Width (in m)	2.55	2.55	2.56	2.55	2.55	2.55
Height (in m)	3.83	3.83	3.83	3.83	4.00	4.00

	RAPTOR 4240					
	AX24	AX28	AX30	AX32-33	Ektar B2 36/38	Ektar B2 40/42
Vehicle weight Total	9050	9120	9480	9510	10040	10480
Vehicle weight Axle 1	4787	4824	5014	5030	5220	5550
Vehicle weight Axle 2	4262	4295	4465	4479	4820	4930
Total authorised load	13990	14060	14420	14450	14740	15180
Total authorised load for Axle 1	6561	6594	6762	6777	6860	6910
Total authorised load for Axle 2	7428	7465	7657	7672	7880	8270
Dimensions (with standard ground clearance)						
Length (in m)	9.33	9.10	9.10	9.10	9.74	10.25
Width (in m)	2.55	2.55	2.55	2.55	2.55	2.55
Height (in m)	3.83	3.83	4.00	4.00	4.02	4.05

	RAPTOR 5240					
	AX24	AX28	AX30	AX32-33	Ektar B2 36/38	Ektar B2 40/42
Vehicle weight Total	9150	9220	9580	9610	10140	10580
Vehicle weight Axle 1	4941	4978	5173	5189	5270	5600
Vehicle weight Axle 2	4209	4241	4406	4420	4870	4980
Total authorised load	15090	15160	15520	15550	15600	16040
Total authorised load for Axle 1	7092	7125	7294	7308	7260	7300
Total authorised load for Axle 2	7997	8034	8225	8241	8340	8740
Dimensions (with standard ground clearance)						
Length (in m)	9.55	9.32	9.32	9.32	9.74	10.25
Width (in m)	2.55	2.55	2.55	2.55	2.55	2.55
Height (in m)	4.03	4.03	4.10	4.10	4.02	4.05

	RAPTOR 5240						RAPTOR 5240 FC	
	AX24	AX28	AX30	AX32-33	Ektar B2 36/38	Ektar B2 40/42	EK2B 36/38	EK2B 40/42
Vehicle weight Total	9150	9220	9580	9610	10140	10580	11640	11710
Vehicle weight Axle 1	4941	4978	5173	5189	5270	5600	6670	4999
Vehicle weight Axle 2	4209	4241	4406	4420	4870	4980	4970	6710
Total authorised load	15090	15160	15520	15550	15600	16040	17140	17210
Total authorised load for Axle 1	7092	7125	7294	7308	7260	7300	8620	0
Total authorised load for Axle 2	7997	8034	8225	8241	8340	8740	8520	17210
Dimensions (with standard ground clearance)								
Length (in m)	9.55	9.32	9.32	9.32	9.74	10.25	10.44	10.94
Width (in m)	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
Height (in m)	4.03	4.03	4.10	4.10	4.02	4.05	4.05	4.05

The dimensions of the RAPTOR 3240 FC, 4240 FC and Raptor AS and those of the EKTAR B3 booms were not available when this document was printed

Tyres and indication of track width

	RAPTOR 2540								
	TRACK WIDTH WITH		GC	TRACK WIDTH WITH		GC	TRACK WIDTH WITH		GC
	CHASSIS 1.80 to 2.25 m	CHASSIS 2.00 to 2.70 m		CHASSIS 2.00 to 2.70 m	CHASSIS 2.50 to 3.05 m				
Clearance 1.05 m	Min.	Max.		Min.	Max.		Min.	Max.	
TYRES									
270/95 R 48 and 270/95 R 38	1.80	2.25	1.05	2.00	2.70	1.05	2.50	3.05	
300/95 R 46 and 320/85 R 38	1.80	2.25	1.03	2.00	2.70	1.03	2.50	3.05	
340/85 R 46 and 340/85 R 36	1.80	2.25	1.06	2.00	2.70	1.06	2.50	3.05	
420/85 R 38 and 420/85 R 30	1.90	2.35	0.99	2.10	2.80	0.99	2.60	3.05	
460/85 R 38 and 460/85 R 30	1.95	2.40	1.03	2.15	2.85	1.03	2.65	3.05	
Clearance 1.25 m	CHASSIS 1.80 to 2.25 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.50 to 3.05 m	GC			
270/95 R 48 and 270/95 R 38	1.80	2.25	1.25	2.00	2.70	1.25	2.50	3.05	
300/95 R 46 and 320/85 R 38	1.80	2.25	1.23	2.00	2.70	1.23	2.50	3.05	
340/85 R 46 and 340/85 R 36	1.85	2.30	1.26	2.05	2.75	1.26	2.55	3.05	
420/85 R 38 and 420/85 R 30	2.00	2.45	1.19	2.20	2.90	1.19	2.70	3.05	
460/85 R 38 and 460/85 R 30	2.00	2.45	1.23	2.20	2.90	1.23	2.70	3.05	
Clearance 1.40 m	CHASSIS 1.80 to 2.25 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.50 to 3.05 m	GC			
270/95 R 48 and 270/95 R 38			2.25	2.95	1.40	2.50	3.05	1.4	
300/95 R 46 and 320/85 R 38			2.25	2.95	1.38	2.50	3.05	1.38	
Clearance 1.60 m	CHASSIS 1.80 to 2.25 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.50 to 3.05 m	GC			
270/95 R 48 and 270/95 R 38			2.40	3.00	1.60	2.50	3.05	1.60	
300/95 R 46 and 320/85 R 38			2.40	3.00	1.58	2.50	3.05	1.58	

IMPORTANT: max. width 2.55 m for tractors in France (unless the tractor is fitted with devices permitting it to avoid compacting of the ground)

	RAPTOR 3240 and 3240 FC								
	TRACK WIDTH WITH		GC	TRACK WIDTH WITH		GC	TRACK WIDTH WITH		GC
	CHASSIS 1.80 to 2.40 m	CHASSIS 2.00 to 2.70 m		CHASSIS 2.00 to 2.70 m	CHASSIS 2.50 to 3.05 m				
Clearance 1.05 m	Min.	Max.		Min.	Max.		Min.	Max.	
TYRES									
270/95R48	1.80	2.40	1.05	2.00	2.70	1.05	2.50	3.05	
300/95R46	1.80	2.40	1.03	2.00	2.70	1.03	2.50	3.05	
300/95R52	1.80	2.40	1.11	2.00	2.70	1.11	2.50	3.05	
340/85R48	1.80	2.40	1.06	2.00	2.70	1.06	2.50	3.05	
380/90R46	2.00	2.50	1.10	2.10	2.80	1.10	2.30	3.05	
420/85R38	1.85	2.45	0.99	2.05	2.75	0.99	2.55	3.10	
460/85R38	2.00	2.45	1.03	2.05	2.75	1.03	2.55	3.10	
520/70R38	2.00	2.45	1.02	2.10	2.80	1.02	2.70	3.10	
Clearance 1.25 m	CHASSIS 1.80 to 2.40 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.50 to 3.05 m	GC			
270/95R48	1.80	2.40	1.25	2.00	2.70	1.25	2.50	3.05	
300/95R46	1.82	2.42	1.23	2.02	2.72	1.23	2.52	3.07	
300/95R52	1.82	2.42	1.31	2.02	2.72	1.31	2.52	3.07	
340/85R48	1.82	2.42	1.26	2.02	2.72	1.26	2.52	3.07	
380/90R46	2.00	2.50	1.30	2.10	2.80	1.30	2.30	3.05	
420/85R38	2.00	2.60	1.19	2.20	2.90	1.19	2.70	3.10	
460/85R38	2.02	2.62	1.23	2.22	2.92	1.23	2.72	3.10	
520/70R38	2.15	2.75	1.22	2.35	3.05	1.22	2.85	3.10	
Clearance 1.40 m	CHASSIS 1.80 to 2.40 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.50 to 3.05 m	GC			
300/95R52	2.00	2.40	1.40	2.00	2.70	1.40	2.50	3.05	
Clearance 1.60 m	CHASSIS 1.80 to 2.40 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.50 to 3.05 m	GC			
300/95R52	2.25	2.55	1.60	2.25	2.80	1.60	2.50	3.05	
Clearance 1.80 m	CHASSIS 1.80 to 2.40 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.50 to 3.05 m	GC			
300/95R52			2.40	2.80	1.80	2.50	3.05	1.80	

IMPORTANT: max. width 2.55 m for tractors in France (unless the tractor is fitted with devices permitting it to avoid compacting of the ground)

	RAPTOR 4240 RAPTOR 4240A RAPTOR 4240FC & RAPTOR 5240 RAPTOR 5240A RAPTOR 5240FC								
	TRACK WIDTH WITH		GC	TRACK WIDTH WITH		GC	TRACK WIDTH WITH		GC
	CHASSIS 1.80 to 2.25 m	CHASSIS 2.00 to 2.70 m		CHASSIS 2.00 to 2.70 m	CHASSIS 2.20 to 3.00 m				
Clearance 1.10 m	Min.	Max.		Min.	Max.		Min.	Max.	
TYRES									
300/95R52	1.82	2.25	1.10	2.02	2.70	1.10	2.22	2.90	
320/90R54	2.25	2.25	1.13	2.25	2.70	1.13	2.25	2.90	
340/85R48	2.00	2.35	1.05	2.10	2.80	1.05	2.30	3.00	
380/90R46	2.00	2.30	1.08	2.10	2.80	1.08	2.30	3.00	
420/80R46	2.00	2.25	1.11	2.00	2.70	1.11	2.20	2.90	
460/85R38	2.02	2.45	1.03	2.20	2.90	1.03	2.40	3.10	
480/80R46	2.00	2.25	1.12	2.00	2.70	1.12	2.20	2.90	
520/85R38	2.02	2.45	1.04	2.20	2.90	1.04	2.40	3.10	
520/85R42	2.10	2.45	1.09	2.25	2.90	1.09	2.45	3.10	
580/70R38	2.02	2.45	1.04	2.20	2.90	1.04	2.40	3.10	
620/70R38	2.25	2.45	1.07						
650/65R42	2.25	2.45	1.07						
Clearance 1.40 m	CHASSIS 1.80 to 2.25 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.20 to 3.00 m	GC			
300/95R52	2.25	2.30	1.40	2.25	2.70	1.40	2.25	2.90	
Clearance 1.60 m	CHASSIS 1.80 to 2.25 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.20 to 3.00 m	GC			
300/95R52	2.25	2.43	1.60 *	2.25	2.85	1.60 *	2.40	3.05	
Clearance 1.80 m (PR 4240)	CHASSIS 1.80 to 2.25 m	GC	CHASSIS 2.00 to 2.70 m	GC	CHASSIS 2.20 to 3.00 m	GC			
300/95R52			1.80 *	Ask for details	1.80 *	Ask for details	1.80 *	1.80 *	

IMPORTANT: max. width 2.55 m for tractors in France (unless the tractor is fitted with devices permitting it to avoid compacting of the ground)

(* variable hydraulic track width not available on Frontcab version with clearance 1.60 m)

Available with Hydraulic Variable track width
Version not authorised

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