



# LASER FC





## THE CHASSIS

- AXAIR pneumatic suspension on 2 articulated «parts» with knuckles and hydraulic shock absorbers. An optimal suspension whatever the conditions and forward speed giving perfect boom stability and cab comfort.
- 4 electronic steering modes: 2 WS, 4 WS and crab functions with slope correction and automatic alignment in road position.
- Tyres: 270/95R48 (3240) - 300/95R52 (4240 et 5240)

The Laser is suitable for all crops :

- Mechanical track width by 1/2 axle adjustment: 1,80 to 2,40 m (3240), 1,80 to 2,25 m (4240) and 2 to 2,70 m (5240).
- 1,05 or 1,10 m clearance (according to the model and tyres).

### Options :

- Mechanical track width adjustment from 1.80m up to 3.05m and the hydraulic track width with a 600mm adjustment [According to the model and clearance].
- 1,25 m – 1,40 m clearance [According to the model and clearance].
- Mud guards
- Pulling hitch front / rear.

## ENGINE AND TRANSMISSION - 40 km/h

- Deutz engine, 6 cylinders TCD6.1 - 217 CV (3240 and 4240) and 245 CV (5240). Environmental respect from Tier 3b.
- Cooling by InterCooler.
- 360 litres fuel tank for better autonomy.
- Hydrostatic transmission providing 4 wheel drive.
- 2 Rexroth pump with variable flow
- Transmission driven by 4 quick load sensing hydro motors.
- Dynamic, hydrostatic and static brakes on all 4 wheels.

A transmission combining power and softness. Driven by an electronic joystick, acceleration and deceleration are progressive but powerful. Automotive mode and Hydro-Pilot regulator.

- 3 ranges of speed : 0-16 km/h, 0-22 km/h and 0-40 km/h.
- Differential lock on 4 wheels: Ability to work in hard conditions.
- Maintenance : Easy accessibility to the main components via a wide platform.



Mechanical and hydraulic track width adjustment (option)



Hydrostatic transmission - 40 km/h





## CAB FITTED ON A LIFT: Height Adjustable

Wide, comfortable and panoramic cab, fitted on a hydraulic lift with suspension. The access is easy thanks to a wide rotating platform in the lower position.

Increased Working comfort :

- Climate control Air cooling system and regulated heating.
- Very low noise in the cab.
- Tinted glass.
- MP3 FM Radio.
- 4 mirrors included 2 Electric and defrost mirrors.
- Adjustable driving column and pneumatic seat.
- Armrest gathering all the functions
- Passenger seat with inclusive compartment



Cab fitted on lift and suspension

## THE APPLICATION

The water circuit and tanks are designed to meet safety standards and environmental regulation.

Tanks made of high density polyethylene: Extreme robustness and easy rinsing.



Easy access to the cab

## TANKS

### Main tank

- 3200, 4200 and 5200 litres tank capacity +5%.
- 3 or 4 rotating washing nozzles LAV'TON (According to the model) for perfect rinsing management.

In case of overfilling, a canal drives the flow of liquid to the right hand side in the aim to protect the user.

- Electronic gauge NIVOTRONIC with overview inside of the cab..
- Full tank sensor with buzzer.

### Rinsing tank

- 440 litres (3240) and 450 litres (4240 and 5240) clean water : autonomy allowing a perfect rinsing of all equipment.

### Hand wash tank

- 15 l located next to the operating area



Wide platform for storage and maintenance

## OPERATING AREA

Operating area fully integrated in the shape of the machine with lights.

• Operating system by 2 multi-way valves protected by a cover with lights. Available functions: Filling by suction, outside drain, incorporation with clean water, boom cleaning, tank cleaning agitation ....

- Hydraulic operated induction hopper with integrated Canwash.
- Controller close to: Spraying pump controller, RPM adjustment and emergency stop.
- Lighted storage area on the right hand side.



Operating Area





## PUMP AND FILTRATION

Piston-diaphragm pump to ensure a stable flow with a wide range of speed and pressure.

- Piston-diaphragm pump PM500 – 250 l/min – 15 bars for 24/12 and 28/15 boom and PM700 - 300 l/min - 15 bars for booms  $\geq$  à 28/16 m.
- Pump driven by a hydraulic motor at 540 rpm.
- Pressure gauge on the circulation.
- Fast filling 400 l/min at 540 rpm.
- Valve for «Hyper O'Clear» circuit.
- 365 and 594 microns pump suction filter even with full tank.
- 2 times 365 microns self-cleaning pressure filter: SuperFiltration.

Options :

- Pump PM850 (380 l/min)
- TecFlow (Anti-overfilling)
- NovaFlow (Automatic filling management)
- NovaFlow PA électrique
- Rinsing of the boom without return to the main tank from the cab with NOVATOP
- Spirovit
- Autonet (Sequential waste dilution)
- ....



## THE REGULATION

### NOVATEC & NOVATOP

Only one box in the cab with all regulation functions integrated, hydraulic functions and tradeability. Overview during the work (fields, volume/ha, flow, over or under dosage, speed). 20 Field management (Surface, volumes and distance sprayed)

MULTIFUNCTION - Joystick: in your hand, all necessary functions to work with efficiency.



NOVATOP Controller

### THE + NOVATOP: ACCESS TO PRECISION FARMING WORLD WITH GPS ALL IN ONE BY TECNOMA

- Guidance
- Field traceability
- Variable rate of application
- Auto-steering
- Automatic boom section control
- Auto boom leveling



Paralelogram

## THE BOOMS

Rampe	Matériau	Longueur de travail totale/partielle	Suspension ALBATROSS	Tronçons	Correcteur de dévers	Géométrie variable	Repli 3/4	Gabarit roulier	Compatibilité
LVB	Acier	24/12	Série	4 6 (option)	Série	Série	Option	2,55 m	FC 3240, 4240 et 5240
		28/15	Série	7	Série	Série	Option		
		28/16	Série	8	Série	Série	Série		
		30/16	Série	8	Série	Série	Série		
		32/17	Série	8	Série	Série	Série		
		33/18	Série	8	Série	Série	Série		
		36/18	Série	8	Série	Série		FC 4240 et 5240	
LVX	Aluminium	28/16	Série	7	Série	Série	Option	2,55 m	FC 3240, 4240 et 5240
		30/16	Série	8	Série	Série	Série		
		32/16	Série	8	Série	Série	Série		
GV8	Acier	36/18	Série	8	Série	Série	Série	3 m	FC 4240 et 5240
		38/19	Série	8	Série	Série	Série		
GVX	Aluminium	36	Série	8	Série	Série	Série	3 m	FC 4240 et 5240
		38	Série	8	Série	Série	Série		
		40	Série	8	Série	Série	Série		
		42	Série	8	Série	Série	Série		

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