

fortis évolution

2600 - 3300 - 4300



Tecnomat



fortis evolution

The *fortis evolution* shows, yet again, **Tecnoma**'s capabilities in designing innovative sprayers.

Smooth lines and integrated functions : this new range is available in 3 capacities :

2600 l - 3300 l - 4300 l

and with spray booms in steel or aluminium, width from 24 to 42 metres. Guaranteeing a high level of safety, the *fortis evolution* is a high-performance sprayer and is truly oriented towards precision agriculture.



fortis evolution 2600

CHASSIS : PROFILE FOR PERFECT SUPPORT OF THE TANK.

The cradle shape of the chassis enables all the equipment to be incorporated :

- the main tank and the rinsing tank,
- the operating compartment (valves, incorporator, main filter, hand-wash),
- the towing bar is adjustable in height and in line with the chassis,

The « wasp-waist » structure is designed to allow for the steering of the wheels of the tracking axle*. The ground clearance is high and the profiled tank bottom minimises damage to high-growing crops.

AXAIR SUSPENSION : COMFORT FOR THE USER

The AXAIR pneumatic suspension, a Tecnomat speciality, is standard equipment on all fortis evolution.

Efficient in both working and transport modes, the whole sprayer is protected from shocks due to ground irregularities and high working speeds. Chassis and spray booms performance are enhanced and their life is prolonged.

The air trigger installed at the operating station is fitted as standard in the AXAIR pneumatic circuit.

* optional

ARTICULATED TOWING BAR*

To facilitate working on cross-slopes and exiting at the end of a field, Tecnomat offers an effective and compactly designed, hydraulic, articulated towing draw bar for the entire fortis evolution range. With a single command from the control box, you can control the steering and bring it back to a straight line at any time.

AXLE

Tecnomat offers an axle design adjusted to the capacities and widths of the spray booms, equipped with hydraulic brakes and a parking brake :

- Sliding axle for track adjustment,
- Large selection of tyres,
- Polyethylene mud-guards : light and modular (two widths).



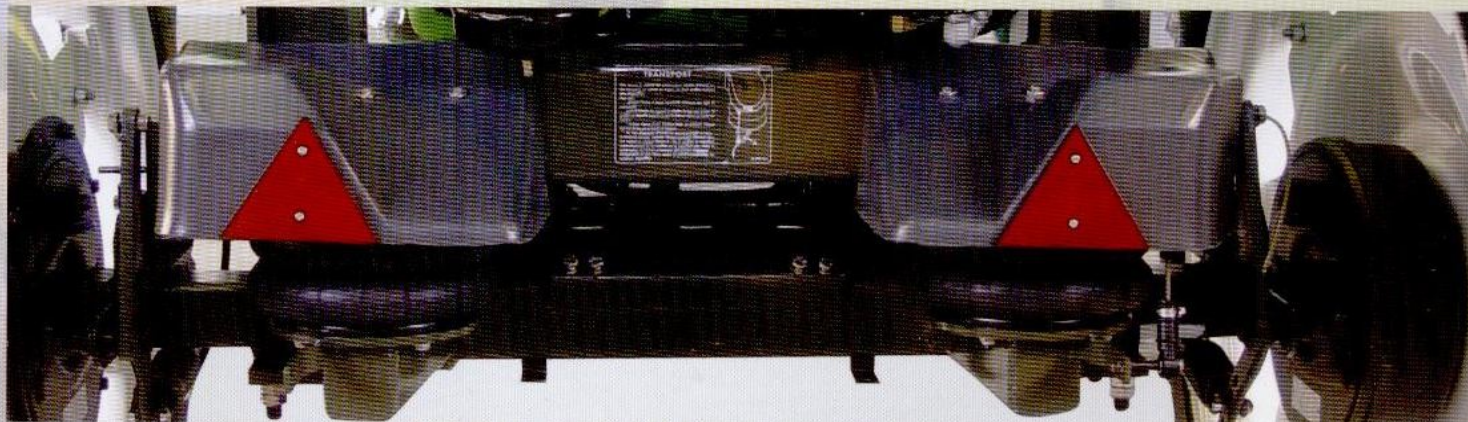
Tracking axle*



"SOFTEC" draw bar suspension*

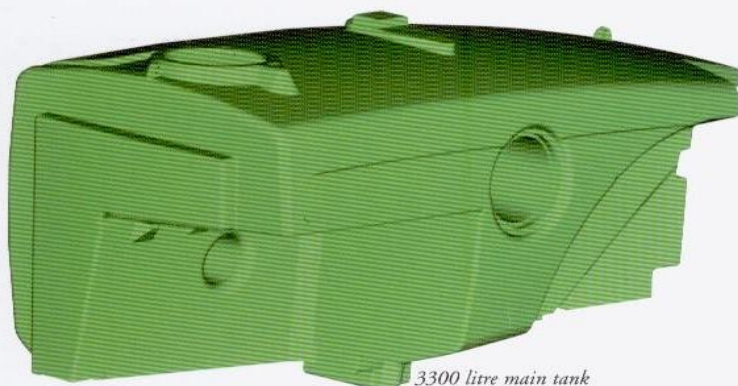


Articulated draw bar*



"AXAIR" pneumatic suspension

- 3300 - 4300



3300 litre main tank

Tecnomat TRACKING AXLE : a major step forward in tracking and steering

ACCURACY, RELIABILITY, AND CROP PROTECTION

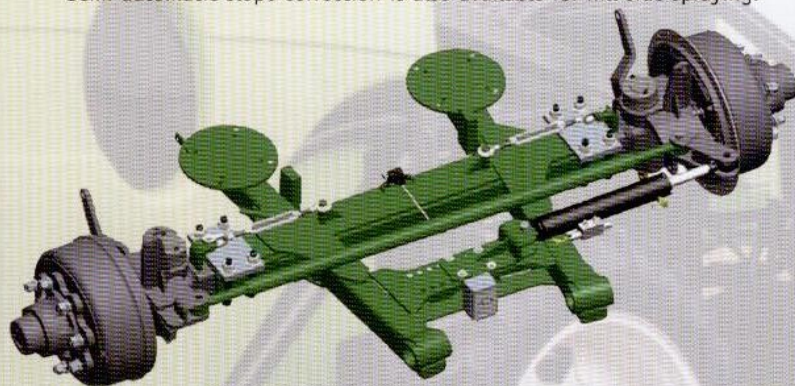
Tracking axle : reduces crop damage when turning on the headlands.

Steering axle : negates the camber when spraying on sidling ground.

The new tracking and steering axle from **Tecnomat** combines simplicity of use with accuracy for easy operation and optimum crop protection.

There are no more mechanical links between the tractor and the sprayer: a compact gyroscope is located on the rear of the tractor and permanently monitors the position (angle) of the tractor to the sprayer and accurately steers the axle of the sprayer in the same tracks. The split axles are connected to a steering cylinder controlled with a proportional valve and an angle sensor.

Semi-automatic slope correction is also available for hill side spraying.



Gyroscope

MAIN TANK OF 2600 I, 3300 I or 4300 I

Tank roto-moulded in high-density polythene : made by Tecnomat.

A new, smooth-lined design of the tanks brings outstanding advantages :

- operating compartment protected by a cowl,
- easy manhole access with an integrated ladder,
- front cowl can be slid back for access to the transmission shaft, the pump, the strut and the supply socket support,
- anti-roll tube used as storage space and closed at each end by means of a lid,
- smooth inner walls and centrally located sump,
- remote safety tank drain located at the top of the ladder,
- large drum gauge, visible from both driving and operating positions.

The tank is closed by a hinge-mounted screw lid ; in the event of an overflow, a channel directs the excess to the right side of the *fortis* evolution in order to protect the operator.

400 I RINSING TANK :

Positioned at the front of the chassis in order to increase the loading on the tractor coupling.

Its capacity is the same for the whole *fortis* range and is sufficient for thorough rinsing of the pump, the spray booms and the valves and of the main tank, using the « *Lav'Ton* » device.

PUMP AND FILTERING

The piston-diaphragm **pump** can be accessed through the front cowl and is positioned on the towing bar axis to minimise stress on the transmission shaft. It provides reliably constant flow and pressure (250 l/min at 15 bars).

Several levels of filtering for quality spraying :

- filling strainer with a 500 micron mesh,
- 500 micron main filter with non return valve for cleaning with a full tank,
- super filtration* (with purge).

The large, spread-scale pressure gauge is fitted at the front for better visibility from the driving position.

Optimum agitation :

The *fortis evolution* tank has two « hydromixers » placed at the bottom to maintain a homogenous mixture.



PM 500 pump and integrated hydraulic pump (except model SC)



* optional

PREPARING FOR WORK

Preparing the fortis evolution for work is quick and simple.

The preparation equipment is brought together in a recess in the main tank and protected by a cowl :

- the **induction hopper** with integral « Lav'Box », mounted on a parallelogram,
- the « Positec », with all the functions shown diagrammatically on a rolling menu,
- the moveable « Hand-washer », on an articulated mounting for used water to flow into the incorporator,
- filling with hose and strainer (400 l/min) and transfer connection,
- filling valve with programmable automatic shut off valve*,
- integrated hydraulic pump (except model SC).

DISTRIBUTION AND REGULATION

Distribution by **Tecnoma** electrically operated valves. STAINLESS STEEL piping and original PENTAJET with 4 NOZAL nozzles and diaphragm anti-drip system. Semi-continuous* circulation or continuous circulation with AGP* (automatic anti-drip) available on all our spraying booms.

NOVATEC, NOVATEC ISOBUS, NOVATOP: adaptable and accurate consoles

The console

- In-cab clear information display. Spraying screen: volume/ha, forward speed, instant flow, distance travelled and on-the-go dosage adjustment by increments of 10%. Complementary information displayed: spraying area in hectares and distance covered in metres are also covered per hour.
- Plot management to monitor up to 20 different plots.

ISOBUS connection

NOVATEC ISOBUS, NOVATOP, and NOVATOP VISIO comply with ISO 11783 that defines a common language for communication compatibility, enabling easy connections between tractor and machines: one console does everything. The tractor cab is no longer congested by multiple control boxes and cables.



NOVATEC console



MULTI ergo joystick

MULTI ERGO JOYSTICK

Standard feature on all NOVA consoles, the MULTI ergo joystick enables easy control of most sprayer functions from the fingertip :

- Boom folding out/in, tracking/steering axle.
- Main boom spraying on/off, sequential control of each section, localized boom section control, on-the-go dosage adjustment.
- Boom hydraulic functions: height adjustment, slope correction, variable geometry, steering and tracking axle.

* optional

NOVATOP AND NOVATOP VISIO: the Gateway to Precision Agriculture.



NOVATOP with integrated light bar



NOVATOP VISIO

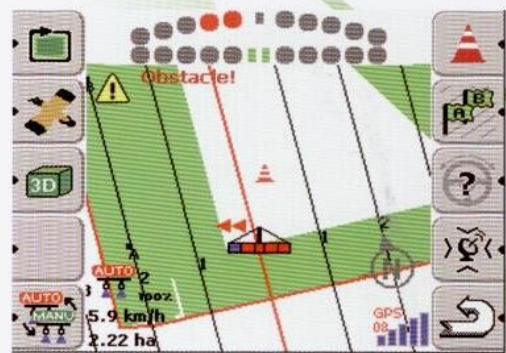
- **Guidance system*** : integrated light bar in the NOVATOP console screen enables machine guidance within +/- 30cm accuracy. The system can be used for other equipment in addition to the sprayer (i.e. fertiliser spreader / tillage equipment).

External light bar* with LED indicators come with a vacuum cradle for easy mounting on the tractor windscreen for improved vision comfort.



External light bar

- **Automatic boom section control*** : boom sections are turned ON/OFF automatically controlling the area to be sprayed.



Automatic boom section screen

- **Dosage modulation*** : set up the litres per hectare from your computer for each zone to be sprayed.



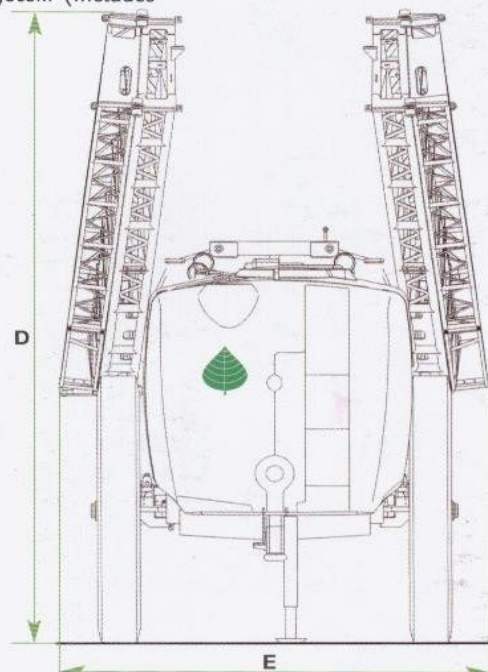
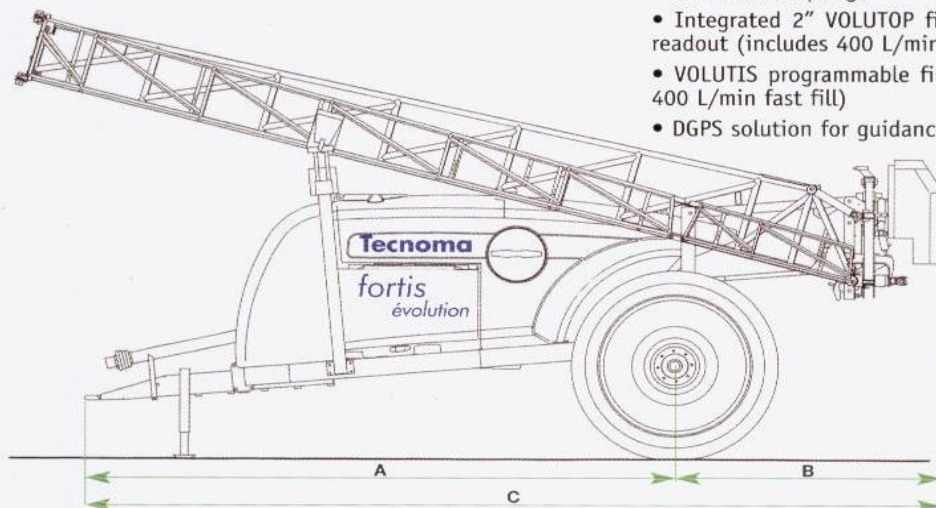
These options requires the DGPS EGNOS* supplied by **Tecnoma**. The signal provided by EGNOS is free of charge.

OPTIONS

- Articulate drawbar (SC version - requires an extra double acting valve on the tractor)
- High hitch
- Drawbar with adjustable ring, swiveling ring or ball hitch
- SOFTEC drawbar dampener
- Operating zone lighting pack + beacon support
- Narrow or large mudguards
- Semi-continuous boom circulation for booms from 24m to 42m
- Continuous boom circulation for booms from 24m to 42m
- Hydraulic jack
- Variable geometry for 24m and 28m HLE (standard on all other booms)
- ¾ partial fold (available on certain versions)
- AUTONET ED with transfer pump
- AUTONET gravity
- 25m hose reel and pressure lance
- 2 boom working lights for booms < 36m
- 4 boom working lights for booms > 36m
- Foam marker
- Boom end nozzles
- CAMLOCK couplings
- Integrated 2" VOLUTOP filling flow meter with readout (includes 400 L/min fast fill)
- VOLUTIS programmable filling system (includes 400 L/min fast fill)
- DGPS solution for guidance.



Standard road-vehicle width



WEIGHT (IN KG)

	on tow ring	on axle	Total
fortis 2624 HLE	275	2530	2805
fortis 2628 HLE	280	2560	2840
fortis 3328 HLE	525	2830	3355
fortis 3332 HLS	540	3100	3640
fortis 4336 GVS	755	3660	4415

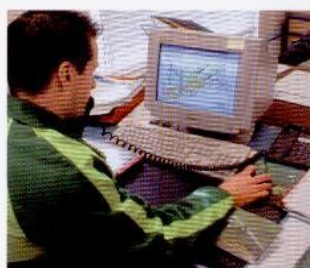
DIMENSIONS (IN MM)

	A	B	C	D	E
fortis 2624 HLE	4320	2430	6750	3520	2500
fortis 3328 HLE	4755	2430	7185	3520	2500
fortis 3332 HLS	4715	2360	7075	4150	2550
fortis 4336 GVS	5170	2200	7370	4260	2950

SERVICE

Tecnomat Service and Support:

A wide network of qualified dealers.

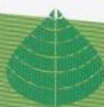


Spare parts CD-ROM



Available spare parts

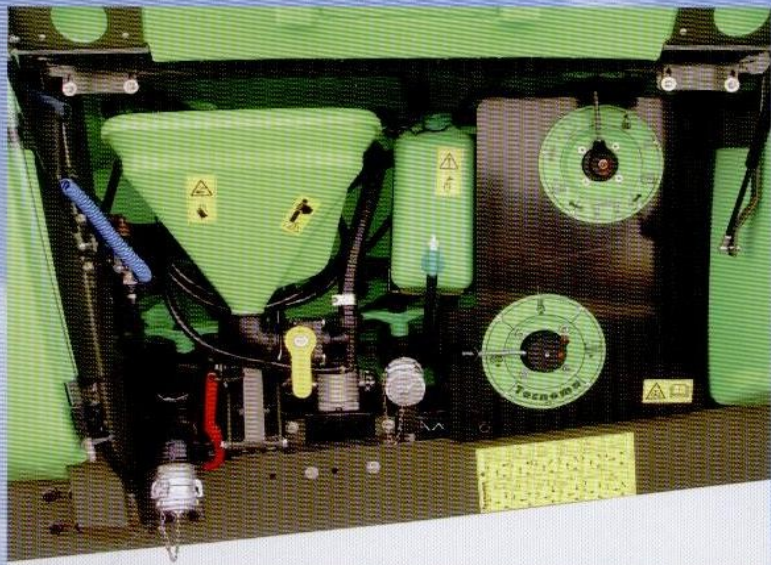
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S.A.S. - Capital 1 174 400 euros - R.C.S. EPERNAY B 350 484 309
 54, rue Marcel Paul - F-51206 EPERNAY CEDEX
 Tél. : 33 (0)3 26 51 99 99 - Fax 33 (0)3 26 51 83 51
 Site : www.tecnoma.com - E-mail : tecnoma@tecnoma.com



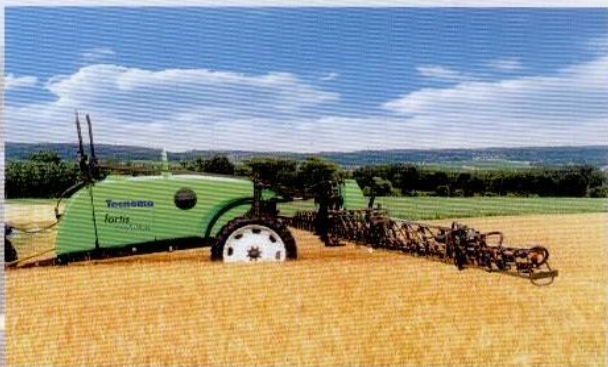
PRZEDSIĘWSTWOSTWO USŁUGOWO-PRODUKCYJNE AGROMIX Sp. z o.o.
 Rojeczyn 36, PL 64-130 Rydzyna, tel./fax 0 65 538 82 76.
 tel.: 0 65 538 81 67, 0 65 538 81 81, www.agromix.agro.pl



Anti-whip device on HLE and TLX arms



Parallelogram mounted on hydraulic suspension



fortis 4332 HLS



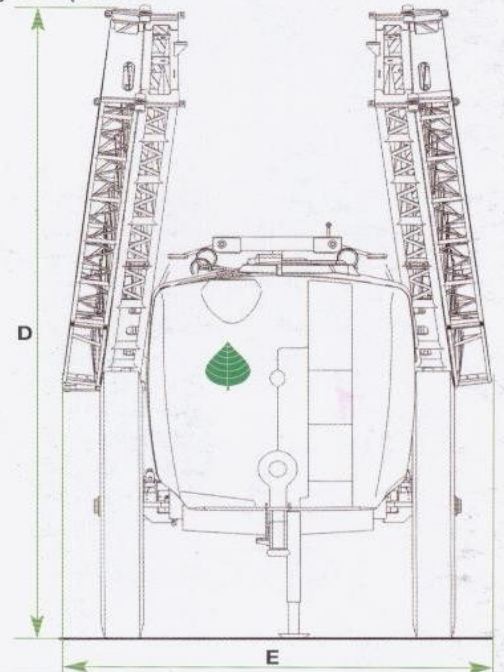
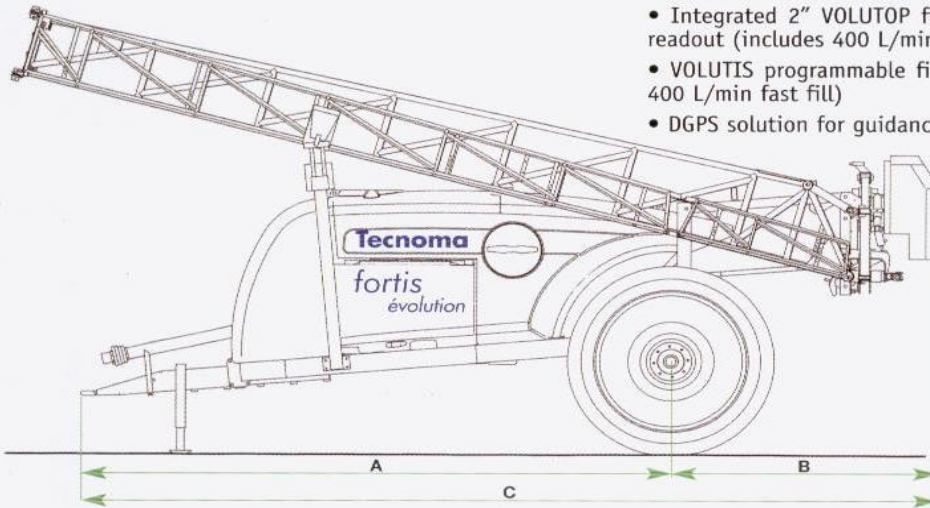
28 aluminium booms

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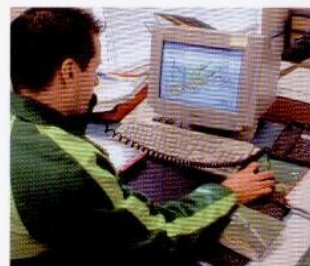
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