

Grape harvesters
Rows from 1.6mt
GREGOIRE GL & GX

GREGOIRE

PASSEZ À L'AVENIR*

The future of
harvesting

GL
GX



* SHIFT TO THE FUTURE



GREGOIRE has always been able to develop products to meet your harvest and vineyard needs.



40 years of experience

GREGOIRE offers a wide range of vineyard maintenance tools: sprayers, self propelled, and trailed harvesters, for both grapes and olives. GREGOIRE products have high performance, reliability and low maintenance costs. These key qualities make GREGOIRE the preferred supplier even for the most demanding end users. GREGOIRE products are distributed and serviced via a worldwide network of distributors which are trained to provide professional advice and a first class after-sales service.

Staying close to our customers' needs has allowed us to develop products that meet the customers' requirements. GREGOIRE has gained a leading position in nearly all grape growing countries in the world.

Choosing GREGOIRE means choosing the market leader in the mechanization of grapes and olives. GREGOIRE is the most reliable and highest quality grape and olive industry supplier in the world.

Summary

A mass of innovations	p.4
Tractor base	p.6
Engines & Transmission	p.8
Welcome to first class	p.12
Direct your operations	p.14
Driver assistance	p.16
Connected harvest	p.18
ARC ² picking head	p.20
Scales & conveying	p.22
Cleaning & sorting	p.24
Stocking GL	p.26
GX8 / GX9	p.28
Access and maintenance	p.32
Technical data	p.34

1978, GREGOIRE
GH Hydraulic
 Proven reliability

1989, GREGOIRE ARC
 Worldwide recognized as the
 softest picking head on the market

2009, G7, G8
 Shift to the future

2016, G4, G5
 Narrow vine specialist



A mass of innovations

New technologies and connectivity mark a new era within the vineyard industry. **GREGOIRE** offers two new harvester models, the **GL & GX**. These new harvester models are specifically designed to use the newest available technology while still retaining the key values of the brand :

1. Picking quality
2. Ease of use
3. Low maintenance cost.

GL & GX models are designed to work in vineyards with minimum a row spacing of 1.6 meters. Not only you can use the **GL & GX** to harvest your grapes, you can also utilize the machine during other periods of the year. As a tractor it can be equipped with a front tool carrier for trimming and pruning or be utilized as a dedicated spraying unit with the machines ISOBUS functionality.

GREGOIRE GL & GX bring you major innovation that has already been recognized and rewarded by the industry: **AUTOpinch**, **NEOmap** and **EASYpilot**.

Discover the new **GREGOIRE GL & GX**...

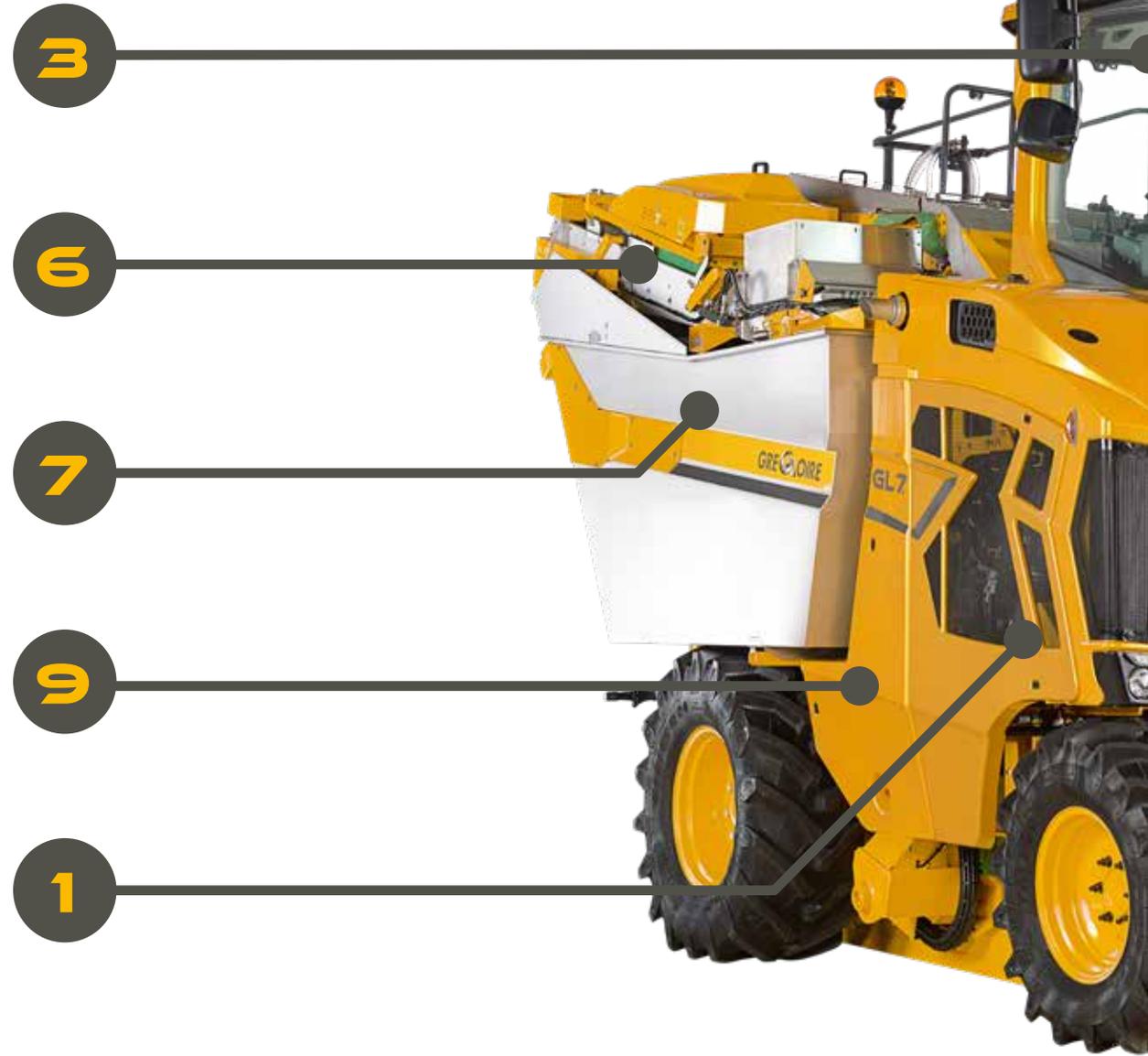
Autopinch



NEOmap



EASYpilot





8

4

5

2

1. **EFFICIENT FUEL CONSUMPTION:** DEUTZ 4 cylinder diesel engine , 156 HP (GL7.4, GL8.4 & GX8.4) or 6 cylinder 190 HP (GL8.6, GX8.6 & GX9.6) with automatic rpm management and StageV final emissions. Tier 3 engine available for authorized countries in GL7.4, Deutz 4 Cyl 140 HP and GL8.6, GX8.6 and GX9.6 Deutz 6 Cyl 178 HP.
2. **POWER:** Hydrostatic transmission with 4 wheel drive.
3. **COMFORT:** Superb comfortable central cab, spacious and soundproofed, 3 storage compartments, CAT4 & ROPS4 cab standards.
4. **SIMPLICITY OF USE:** Side command console equipped with the **i-Monitor** touch screen (12 inches) and multifunction joystick.
5. **GENTLE:** ARC² Double pendulum picking head.
6. **CLEANLINESS:** EASYclean on board sorting system: 99.8% MOG removal.
7. **INDEPENDENCE:** Large bin capacity (Up to 4000 liters on GL8 and 4400 liters on GX9.6) with high dumping point (3 meter min).
8. **CONNECTED CONTROL:** options: EASYpilot (automatic row following), NEOmap (yield monitoring), NEOmass (on-board weighing system), NEOtrack (row tracing system).
9. **ACCESSIBILITY:** 25° slide-out ladder, oversized upper walking platform, easy access to all vital components and storage (over 20 hoods and access doors).

GL & GX

Tractor base

This is the harvester's backbone, it brings together all machine systems and controls (Engine, transmission, cab, and tools).

GL & GX tractor bases are versatile and can be adapted for multi function use throughout the year.



GL GX



Versatility throughout the year

GL & GX can be equipped with front canopy management tools and multi-row sprayers. Automatic tool recognition using ISObus technology. Tools and sprayers are directly controlled by the harvester touchscreen and joystick. Coupling and uncoupling of multifunction tools is simple and quick using the centralized electric and hydraulic connections.



Fuel tank capacity

GL & GX incorporate a light, high capacity polythene fuel tank, allowing for a long working range. Tank positioning is purposely low to improve the center of gravity. Combined with **DEUTZ** engines already known for their fuel efficiency, the **GL & GX** offer high performance and increased efficiency. Fuel tank capacity :

- **Diesel : 260 L**
- **AdBlue® : 20 L**

Automatic leveling for extreme conditions

GL & GX are equipped with the latest generation of auto leveling management giving a highly reactive and quick leveling correction. The driver's inputs will always take precedence over the automatic mode.

With a **600mm** of leveling range the **GL & GX** can perform without difficulties even in the toughest ground conditions and steep slopes.



Steering and turning radius with high manoeuvrability

The new steering system without tie rods allows precise and smooth maneuverability even in the tightest areas. Very compact, it offers perfect visibility to the front of the machine and the two front wheels. The front lifting cylinders are integrated inside the front columns. This allows a clear entrance into the picking tunnel and eliminates pulling canes in. Tight steering radius on both models (**GL7**: 3,75m, **GL/X8**: 4m, **GX9**: 4,60m) for an unrivaled maneuverability .



Engines

GL & GX are equipped with StageV engine that complies with all new emissions standards, or Tier 3 engine for authorized countries.

Coming from a long partnership with **DEUTZAG** the **GL & GX** are fitted with best engines available on the market. These latest generation engines from **DEUTZ AG** come standard with an automatic engine rpm management, a reduced noise levels and an improved fuel efficiency.



Automatic Rpm management



GL & GX are equipped with an automatic engine rpm management. Depending on demand (running tools, vehicle speed, machine load) engine rpm will adapt automatically to always supply the necessary power. This smart management program guarantees a precise and controlled fuel consumption. It also guarantees your safety with auto level reactivity being optimized in steep terrain.

In road mode engine rpm's will stabilize automatically once requested speed is reached. This results in lower fuel consumption.

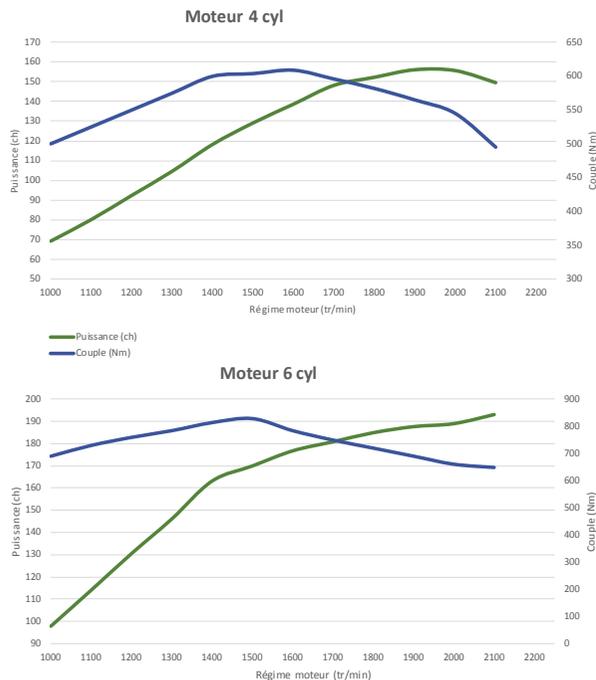
Technology respecting the environment

The DEUTZ AG StageV engine offers a large power capacity and use emission systems that meet the latest environmental standards.

Technologies used on **GREGOIRE GL & GX** tractor base are :

- An electronic engine management (DEUTZ EMR4)
- Common rail high pressure fuel injection (DEUTZ Common Rail – DCR®)
- Turbo for a maximum torque at low engine speed (lower fuel consumption and reduction of polluting emission)
- EGR valve
- Diesel Particulate Filter with DOC (Diesel Oxidation Catalyst)
- SCR (Selective Catalytic Reduction) AdBlue®

StageV



High torque with low rpm's

4 cylinder engines (156 hp) are fitted on **GL7.4, GL8.4 & GX8.4** models. This engine delivers a smooth and constant power offering an optimized fuel efficiency. Maximum torque is available at 1600 rpm (609 Nm), giving the machine the ability to be used at low engine rpm.

6 cylinders engines (190 hp) are fitted on **GL8.6, GX8.6 & GX9.6**. This gives an exceptional and constant torque at 1300 rpm (maximum torque at 1500 rpm : 825 Nm). Which creates impressive traction with a low engine rpm and high torque curve. Horse power delivered is impressive (maximal power : 190 hp).

Engines T3 (for authorized countries)

GL7.4, GL8.6, GX8.6 & GX9.6 depending of the countries can be equipped with Tier 3 engines :

- Deutz 4 Cylinder (GL7.4) the engine delivers 140 HP and a maximum torque of 520Nm at 1600 rpm.
- Deutz 6 Cylinder fitted on GL8.6, GX8.6 and GX9.6 produce 178 HP and a maximum torque of 775 Nm at 1450 rpm.

Both engines come without Adblue and diesel particulate filter.

Model	GL7.4	GL8.4 GX8.4	GL8.6 GX8.6 GX9.6
Power StageV/T3	156/140 hp	156/NA hp	190/178 hp
Capacity	4100 cm ³	4100 cm ³	6100 cm ³
Nbr of cylinder	4	4	6





Transmission

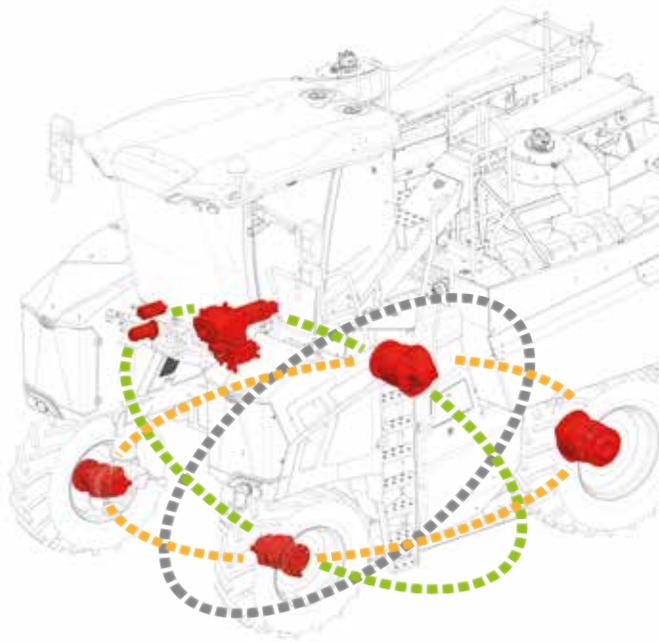
GL & GX integrates a powerful and innovative wheel transmission that allows you to handle all kinds of vineyard situations.

Exclusive transmission management

GL & GX offers an exclusive forward speed management. Speed can be adjusted 3 different ways : by 0.2 km/h impulse, continuous pressure (acceleration) or using the creep mode.

Creep mode (**GREGOIRE** exclusivity) offers extreme driving precision and confidence during in difficult situations. Creep mode is directly controlled by applying pressure on the joystick.

These different management options allow you to adapt your speed control according to your preferences.



Wheel Drives

The hydrostatic transmission is composed of POCLAIN 2-speed wheel drive motors (For work & road mode). This next generation wheel drive motor offers a new power standard (+28%).

Suspended front axle

GL8, GX8 and **GX9** can be equipped with an integral front axle suspension.

This system is a simple design composed of 3 nitrogen accumulators located on the front columns. This hydraulic circuit offers an unrivaled driving comfort on bumpy roads and vineyards.

Hydraulic Power

GL & GX get a hydrostatic transmission supplied by the latest pump technology (+13% increased cubic capacity). The Twinlock system continuously and automatically manages traction control, efficiently supplying power to all 4 wheels. The **GL & GX** perform on the most demanding of ground conditions.



AUTOspeed perfectly manages the working speed no matter the ground conditions are. The dedicated command on the joystick allows the operator to easily restore the speed originally set. A steady working speed is guaranteed for optimal picking results.



Road mode

When road mode is selected on the **GL & GX** all 4 wheels are powered for driver confidence and optimal road holding ability. All of these models are approved for up to 25 km/h. Engine rpm is automatically managed according to speed demand. Because of this automatic engine rpm management it results in low fuel consumption and reduced noise levels.

To minimize road travel time and increase your efficiency, **GL8, GX8** and **GX9** come standard with a transmission that is capable of 30 km/h (18.6 mph) (For authorized countries only).



Welcome to first class

Known to be equipped with the largest cab on the market, **GREGOIRE** machines also offer you an unequalled comfort and a highly secured working station. **GREGOIRE** has designed its cab with special care, focusing on a large working space, wide screen surface, upgraded soundproofing, reinforced safety and driver ergonomics.



Cabin ROPS

(Roll Over Protection Structure)

Operator safety being the priority, the cab meets latest **OCDE ROPS** standard. That standard certifies that cabs integrate a anti-crushing structure in case of machine rollover. Additionally the central position of the cab guarantees optimum safety.



Welcome on board !

A single press on the outside opening switch will :

- Slide out the electrically inclined ladder
- Turn the cab door sill light on
- Start the **i-Monitor** screen

For increased safety, the ladder will automatically slide in at 0.3 km/h.

GL & GX are equipped with the most comfortable cab :

- Central cab
- Pneumatic seat great comfort with security belt
- Steering wheel column that is fully adjustable
- Electric mirrors
- Joystick and arm rest integrated to seat
- Automatic air-conditioning
- Bluetooth radio station with USBx2
- Cab door sill lightening (for night operation)
- 3 storage compartments (including one cooling compartment)
- 3 shades (Front, right and rear) to protect drivers from direct sun exposure and distracting reflection.
- Quality design and material.



A clear view

The large glass windows offer a perfect 360° view, for comfort and safety. Curved windows give the cab maximum space and eliminate blind spots.



Connectivity

The Bluetooth radio enables you to communicate with others staying focus on your pick with total safety.

A breath of fresh air



To meet the latest driver protection standard, **GL & GX** offer **CAT4** cab (Optional). The **CAT4** cab protect you against dust, aerosol and fumes thanks to its active charcoal filters, its air renewal (30m³/h) and pressurization 20 Pa (over pressurization indicator).



And there was light !

GL & GX are equipped with a total of 12 lights (10 LED). With **LED** technology **GREGOIRE** harvesters emit of 18,000 lumens of light. Two flashing lights are also available (for the Cab and picking head) with automatic activation in road mode and when the bins are full.



Green Blue:
free
configuration

Yellow, 1, 2:
tools, picking head,
belts...

P1, P2 black:
headlands
sequencing

Purple:
slope &
height

Stop: tool/function
pre-activation

**Adjustment wheel +
shortcut**

Direct your operations

The control panel is a unique interface between you and your machine. It has to be simple, ergonomic, intuitive and easy to reach.

GL & GX perfectly integrate the latest easy-to-use technologies to ensure you use the machine to its full potential.

Forward speed control Easy and precise

GL & GX Exclusive transmission management.

Joystick offers an innovative combination of the forward speed control : by impulse, a continuous push or using the creep mode for absolute precision.

This technology combination brings an amazing experience for the driver with easy maneuvering even in the most narrow and tight areas.

The Joystick can be rotated, to fit perfectly to your comfort and preference.

Control is yours !

GL & GX has integrated an **i-Monitor touch screen** (12"), the largest on the market. For more efficiency, data is gathered at a unique control point. The screen uses intuitive pictograms making it easy to understand. You are also able to adjust the screen's backlighting for a comfortable view at night.

The **i-Monitor** centralizes all picking head and tractor base information. This eliminates 2 screens. You can finger slide one of the mini-views to access advanced features. All settings are customizable; from the button on the joystick, to the slide out ladder parameters.



Data storage

The **i-Monitor** touch screen integrates a large memory for recording, reusing, and analyzing data (Named field data record, harvester settings, high storage, USB extraction, and reuse).

Isobus



i-Monitor is **ISOBUS** certified. It will automatically and immediately identify the connected **ISOBUS** tool to **GL & GX**. This feature avoids using additional control screens when a tool is connected..

Headland sequencing

GL & GX comes with a headlands sequencing program which is fully adjustable and customizable. All machine parameters can be set for row entry and exit. The driver controls how the machine will behave in each job



Driver assistance

The central position of the cab allows for a perfect alignment on the row. 360° of glass windows provide perfect visibility. Floor glass permits the driver to check the picking tunnel entrance and allows for easy centering onto the row. Bin filling is shown in real time on the touch screen. U-turn maneuvers can be made to both the left or right.

With the driving cab mounted in the center it leaves space open for a large upper walking platform to be integrated. This allows the operator to do maintenance checks in safety.

Automatic lifting (option)

With this system you don't have to worry about machine height.

Automatic lifting is easily achieved thanks to height feelers located on both sides of the picking head conveyors.

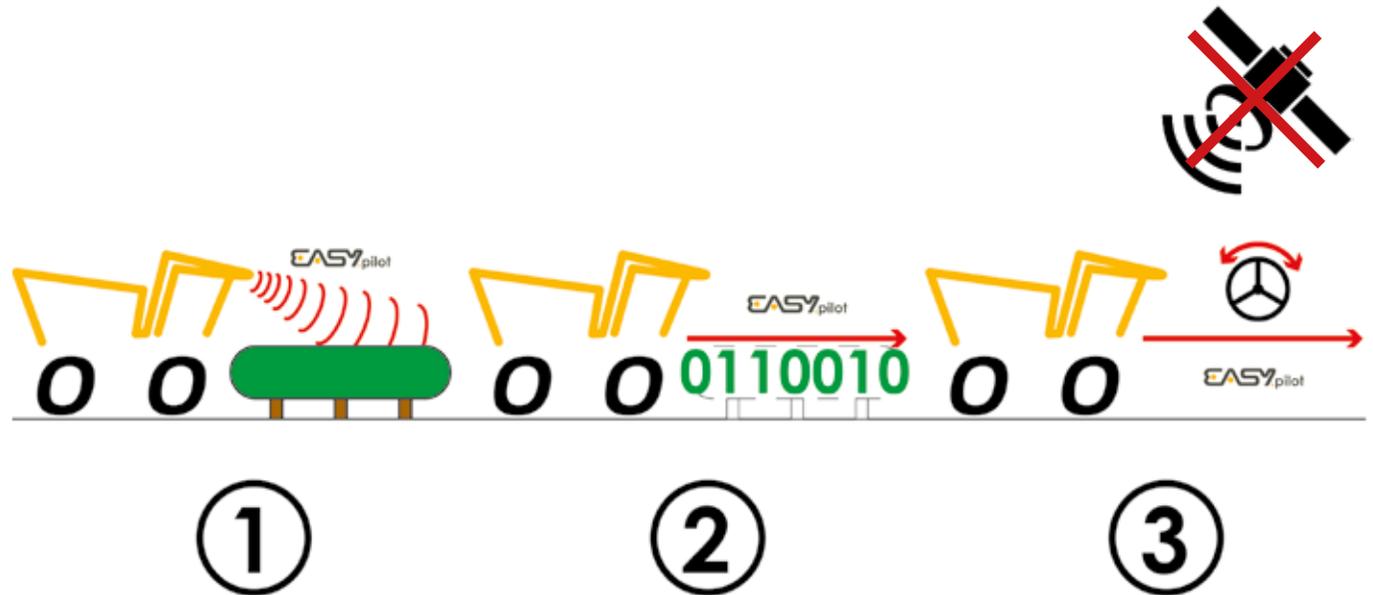


EASY.pilot



EASYpilot automatically centers the harvester on the vine row without driver input. Using a 3D telemetric camera, **EASYpilot** works, no matter the season. It works with multi-function tools, harvesting or spraying, day or night. As opposed to a GPS guided system, **EASYpilot** can be use in a vineyard not covered by a GPS signal.

Perfect centering on the row is a guarantee of optimal picking quality

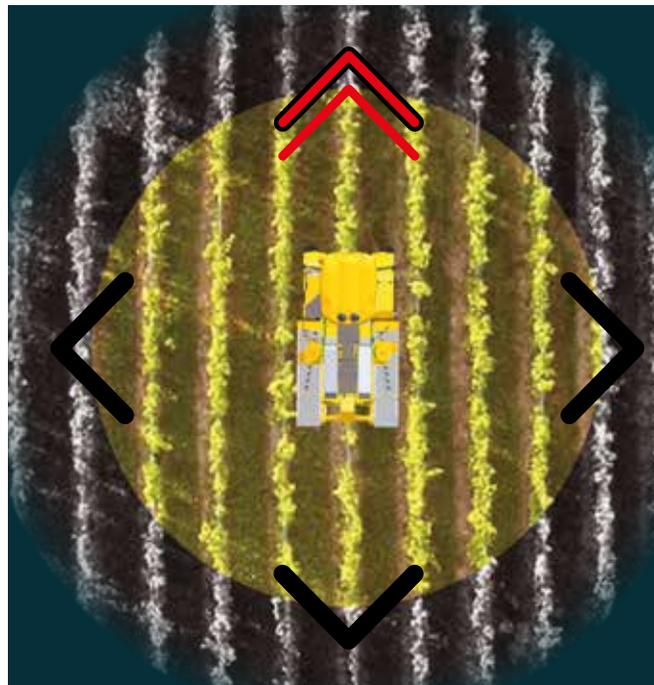


EASY.turn

EASYturn reduces the steering wheel revolutions from lock to lock. This enables you to turn around quicker in the headlands. Combined with EASYpilot, steering on the **GL & GX** is quick, smooth and provides a perfect row following.

Perfect centering !

Perfectly positioned LEDs in the cab give you clear indication of your row centering when the operator is steering the machine. This ensures the best care for the vines and the best quality pick.



EASY.360

GL & GX are equipped with two cameras.

The **360° camera** (option) shows on an additional color screen to provide a complete overhead view of the machine and its surroundings. **EASY360** removes all blind spots and provides confidence to the operator during headland, bin dumping and loading maneuvers.

Connected harvest

The Agricultural industry has experienced fundamental changes. Grape growers today need more data than ever before to make the right decisions at the right time. To get the best quality and yield from your vineyard, the **GL & GX** help you make these decisions with the newest technology.

Mapping technology

The **AGROSKY SR-10 GPS** receiver can offered as an option and can be mounted on the cab roof . This will map data necessary for **NEOmap** and **NEOtrack**.



NEOtrack

Row processed tracking



NEOtrack makes it easy to know which rows you have covered; day or night, by changing the row color on the screen. It works with harvesting, spraying, or any other multifunction tool that you are using with the tractor.



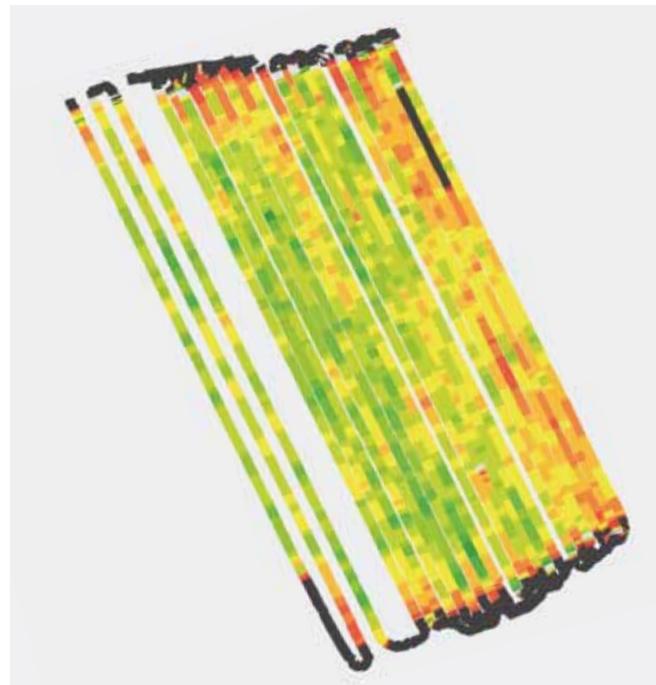
NEOmass

On board weighing



GL & GX integrates as an option the **NEOmass** weighting system. The on board weighing sensors allow you to measure the quantity of harvest picked and gives the driver information such as harvest weight in the bins (before dumping) ; weight of harvest picked in the plot ; harvest weight for the day. Harvest weight is great information for the winery or trucking. Not available on arm versions.

DATA SOLUTION	Function	GPS receiver required	Option needed
EASY pilot	Automatic row following	NO	EASY pilot
EASY turn	Turning steering number reduction	NO	
NEO mass	On board and weighing system	NO	
NEO map	Real time yield mapping system	YES	NEO mass
NEO track	Row tracing system	YES	



NEOmap



Yield mapping

NEOmap is a yield mapping system totally integrated and easy to use.

Yield mapping enables you to monitor the plot yield and to assess yield variation. Based on the information reported you can make changes in the field (fertilizer, spraying treatments, irrigation, etc.)

GREGOIRE exclusivity - The **NEOmap** is the first on board yield mapping system developed for the vineyard industry. All yield map using **ISOXML** format.

Not available on GX9.6 high yield arm version.



ARC² picking head

For years **GREGOIRE** has developed innovative solutions to optimize harvest quality and make your work easier. Known as the gentlest picking head ever built, the **GL & GX** will be no exception using the **ARC²** picking head. This combination will set a new picking standard.

« The gentlest picking head ever built ! »

Large picking tunnel

With a **650 mm** picking tunnel on the **GL7, GL8 & GX8** and **750mm** on the **GX9**, this enables our harvesters to work in all kinds of vineyard configurations.

GL & GX picking tunnel is the largest available on the market. This also makes maintenance, cleaning and set up all much easier to do.



Double pendulum system

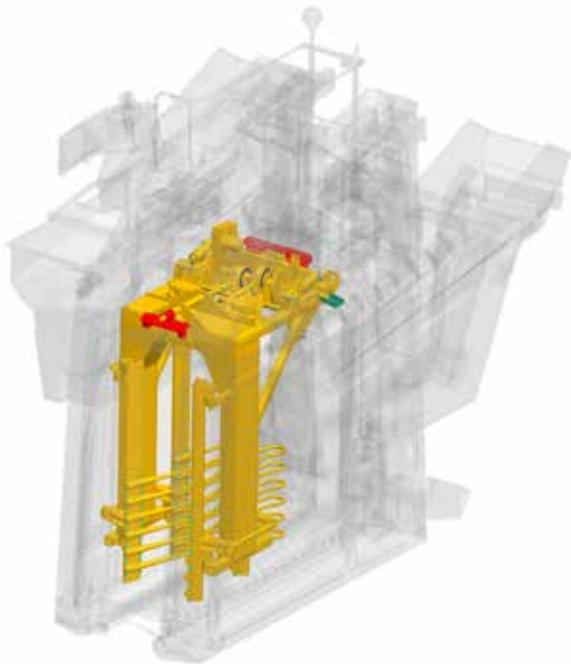
GL & GX harvesting module comes with a “double pendulum” system. The picking head is fitted on a pivot and conveyors oscillate in relation to the tractor base. With this double pendulum, the picking and collection module follow the vines perfectly and offer you the best pick on the market without damaging to the vine.

Pendulum system is automatically locked in road mode.

Suspended picking head

To go further with vineyard care and picking quality, the **ARC²** picking head is suspended. The whole picking system is fitted on a silent block vibration absorbers to:

- Create a consistent shaking frequency
- Isolate driver from vibrations and improve driver comfort



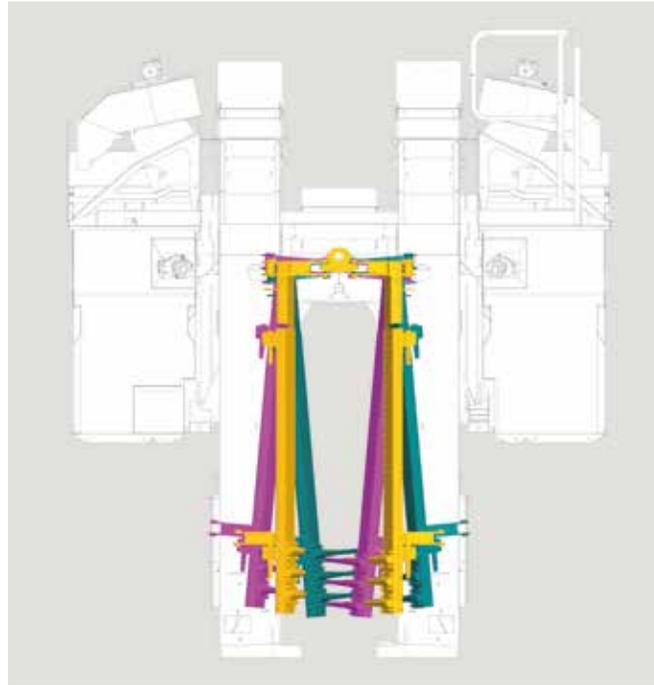
ARC² shakers

Due to their exclusive shape **ARC²** offer four different working areas, with specific functions:

- Compression area: Compresses the canopy to the specified pinch setting without damaging the vines
- Adjustable active zone : main shaking area, adjustable according to grape maturity and vineyard configuration.
- Decompression area : trellis decompression area, grapes holding inside canopy are released.
- Final shaking point: bow rods release grapes cleanly around posts.

Double shacking support

ARC² picking head is driven by two parallel shaker posts. Head frequency and stress is shared between both front and rear shakers posts. This results in a much higher performance and a much longer lasting picking head.



AutopinCH

Automatic
pinch setting



Pinch setting is crucial to optimize picking and avoid damage to the plant. **AutopinCH** is an automatic and continuous adjustment of the pinch. Distance between shakers is fine tuned according to canopy density to achieve the best picking result. Not available on **GX9**.

FAST FIT

The **FAST FIT** system enables quick mounting and an easy curve adjustment of the bow rods. The number of bow rods can be easily changed and positioned depending on the height of the fruiting zone.





Catcher tray

Catcher tray grape collectors are fitted on a pneumatic rail. Adjusting the air pressure on the rail can increase or decrease how easily the catcher trays open and close. By adjusting the air pressure you can easily minimize the damage done to young plants.

Quick catcher tray angle setting allow you to adapt slope according vineyard configuration, yield and working speed.

Three catcher tray length are available according to working intensity required :

- **GL7** : 2x20 CT, water tightness length : **2400 mm**
- **GL8** : 2x22 CT, water tightness length : **2600 mm**
- **GX8** : 2x22 CT, water tightness length : **2600 mm**
- **GX9** : 2x21 CT, water tightness length : **3300 mm**

Harvesting height less than 15cm

Thanks to the exclusive harvesting module design, **GL & GX** can pick as low as **15cm** from the ground. Even the lowest fruiting zones can be picked.

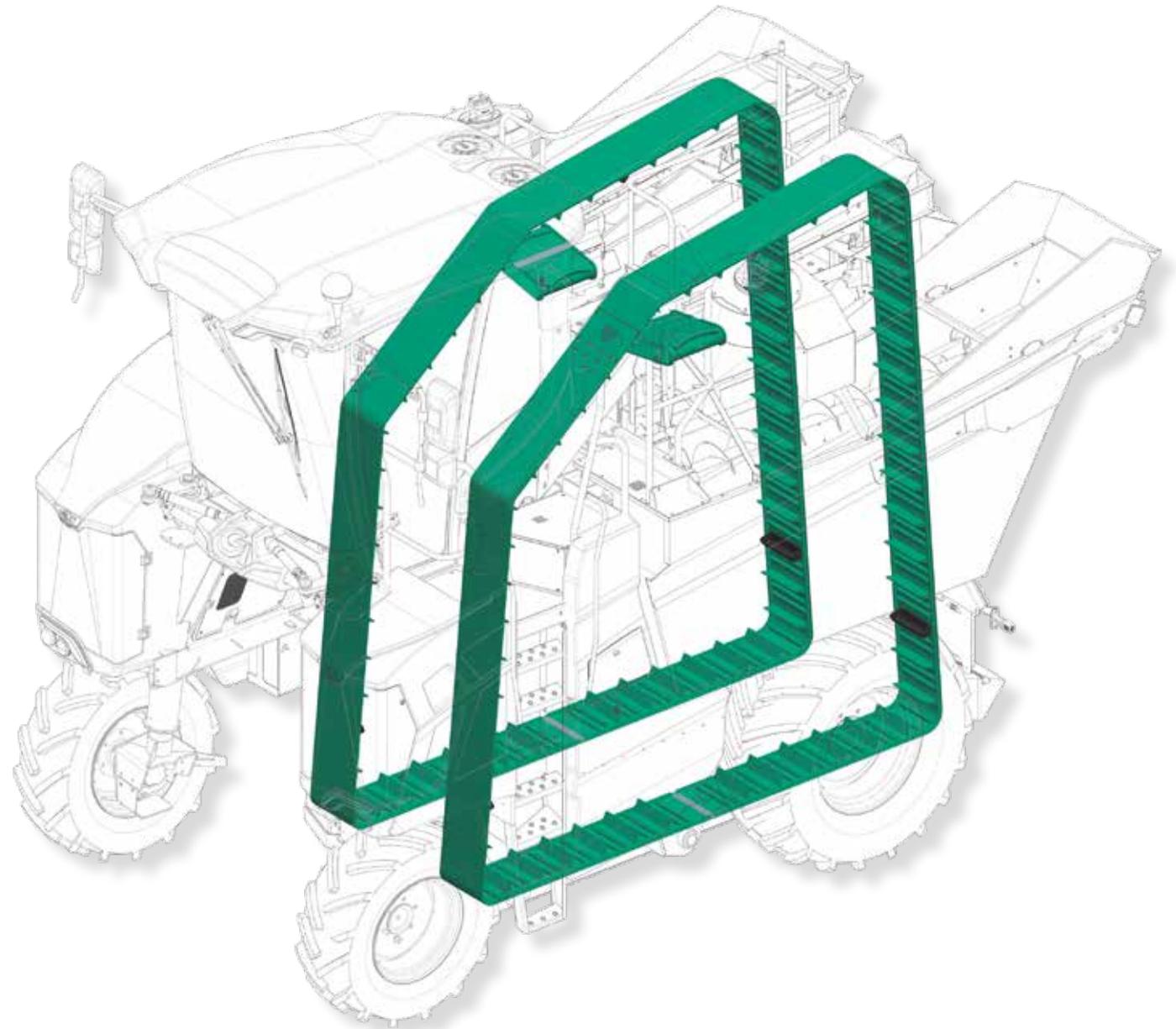


Conveying

Two large belts **32cm** in width, forming a continuous loop carry the harvest to the top of the machine. Belt speed is adjustable in the cab independent of harvester forward speed. The pick will always lay flat on the belts so the fans can remove MOG while leaving the juice and berries.

The belt's unique design provides an extreme resistance to damage while allowing easy repairs. Special structures welded on the belt convey the pick without crushing the berries or losing juice.

With this conveyor system the grapes are brought to the front of the bins. The unloading areas are either a stainless steel slides or kick off belts. These are easily accessible for cleaning from the top platform. The Conveyor pulleys are self-tensioning. This ensures a positive torque on the conveyor belt no matter the yield or load; this protects the belts' longevity.



Secondary belts

GL7 or **GL8** or **GX9** with 4 fans or with **EASYclean** use kick off belts. The large belt size (500mm: 4 fans; 380mm: **EASYclean**) improves the grape handling and makes cleaning easy.

Cleaning fans

The **GREGOIRE** harvest cleaning fan perform cleaning as soon as possible. This removes leaves and MOG (Materials others than grapes) before they get inside the conveying loop.

Optional top fans

To perfect cleaning you can equip **GL & GX** with 2 top fans. These are fitted on top of each bin and fine-tune cleaning just before harvest falls into the bins.

GL8 & GX9 are equipped as standard with four fans.

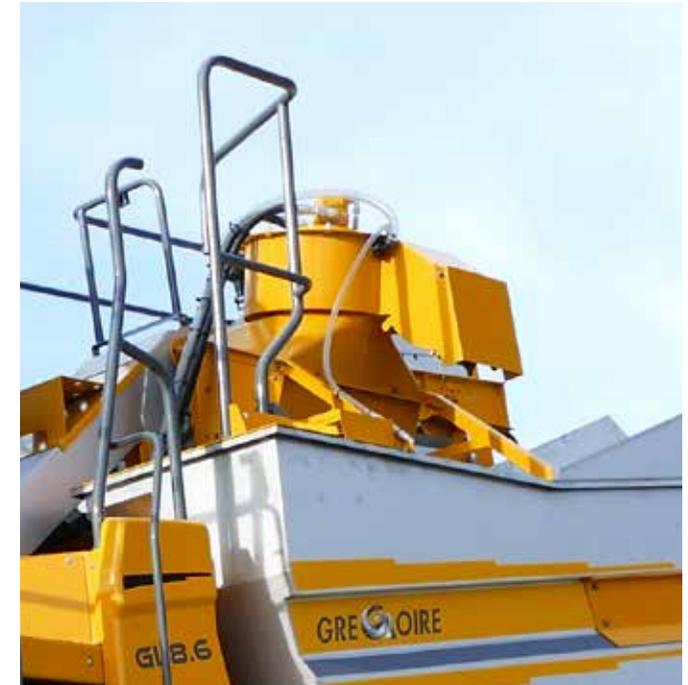
Standard bottom fans

GL & GX are equipped with 2 bottom fans. These extract leaves right after shaking. To improve MOG removal extractors remove canes, training sticks and all dead wood.

GL8, GX8 & GX9 bottom fans integrate variable height (50mm) so that you can adjust the fan height depending on conditions, load, or working speed.

Cane extractors

To avoid large pieces of wood from entering the conveyor system **GL & GX** are equipped with cane extractors. They improve cleaning and will protect the belt from possible damages.



Sorting quality

EASYclean sorting system is available on **GL** et **GX**. Simplicity of use and cleaning quality sets a new standard for linear on board sorting systems

EASYclean is simple :

- Food quality plastic chain covering the whole bin length
- Destemming head with oscillating fingers

EASYclean introduce a new harvest quality standard. Tests performed by IFV (official French wine institute – 2016 with Syrah) proves total **EASYclean** efficiency.

EASYclean : **99,8%** cleaning quality on bins.



EASYclean



Head lift up

Depending on your wine making preference the **EASYclean** heads can be used or not, but just reversing the mesh belt direction. The **EASYclean** heads can be lifted up from the cab to facilitate cleaning and maintenance. The **EASYclean** heads move out of the way when dumping the pick from the bin. In the event of a mechanical stoppage, each **EASYclean** unit is fitted with a jamming sensor to alert the operator in the cab.

Settings

The principle of how **EASYclean** works, is very simple. Only 2 main settings are necessary to adjust for effective cleaning:

- Chain rotation speed (in relation to yields and working speed)
- Oscillating frequency (in relation with de-stemming level)

These 2 settings are adjustable from the cab touch screen.

Capacity

To overcome the challenges of production and efficiency the **GL7** and **GL8** come with a next generation bin - larger and connected. In real-time grape quantity inside the bins can be monitored.

Production objectives today need to be more efficient. **GL7** and **GL8** come with next generation bins - bigger and smarter. Depending on the version you choose, you can have real-time data in relation to capacity and picked quantity.

Largest bin capacity

GL7 and **GL8** lateral stainless steel bins offer the largest storage capacity available on the market. Dumping time is less, and productivity is increased.

Large bins :

- Capacity : **2 x 2000L**
- Width bin to bin : **3000 mm**

Narrow bins :

- Capacity : **2 x 1500L** (notched bins)
- Width : **2660 mm**



Full control

To control filling, the bins are fitted with an ultrasonic bin level sensor. Bin level is displayed in real-time inside the cab on the touchscreen. An alarm can be set when a predetermined bin level is reached.

Rear camera

A rear camera is fitted at the top of the harvesting module. It allows you to control the emptying process and good trailer alignment. Manoeuvres are quick and mistakes are avoided.

Automatic bin leveling augers

Bins are equipped with hydraulically driven levelling auger. It optimize the bin's filling by spreading the harvest in the bin. To avoid crushing, the pick, augers can be stopped, driven forward or backward automatically.



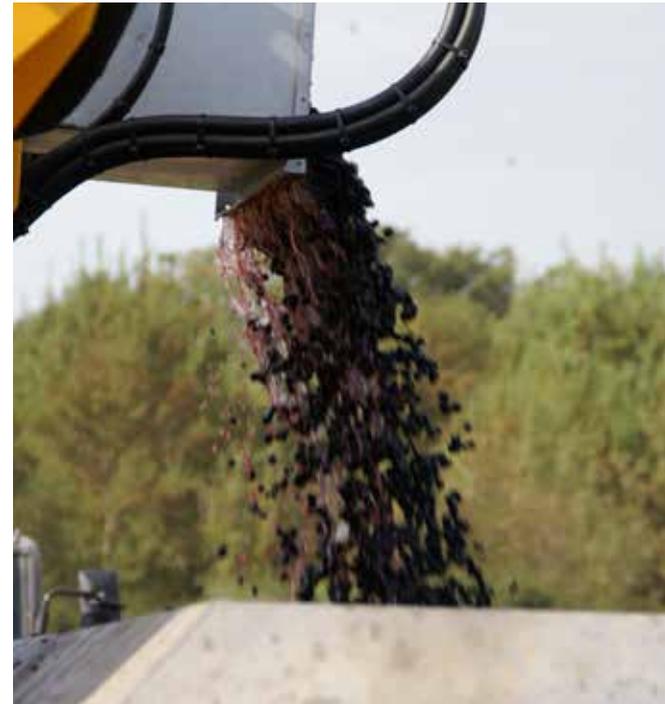
Bin to bin width

GL7 and **GL8** fits all vineyard dimension with different bins capacity :

- **3000 mm** (large bins 2x2000L)
- **2660 mm** (notched bins 2x1500L)

3m Emptying height

GL7 and **GL8** comes with a **3m** dumping height, allowing emptying in truck trailers or highest tractors trailers.



GX8

GX8 the ultimate solution for time savings and higher productivity.



GX8 equipped with ARC² Picking head

In line with **GL7** and **GL8**, **GX8** is equipped with the **ARC** picking head offering innovative solutions for a total care for the vines.

- Large picking tunnel : 650mm between belts
- Suspended picking head fitted on 12 silent blocs
- New **ARC²** shakers with new **FASTFIT** mounting brackets
- Automatic pinch adjustment : **AutopinchH** (Option)
- Pneumatic catcher tray : 2x22 scales ; water tightness length : 2600m
- New conveying system with 320 mm conveying belts
- x2 height adjustable bottom fans 50 mm
- Wood deflectors
- x2 top fans on bins (option)
- **EASYclean** sorting system (option)

Extra-large capacity central bin:

The **GREGOIRE** central bin offers the largest storage capacity on the market. Central bins allow a total control during the emptying operation and even allow partial dumping due to its hydraulic trap door. Side dumping is possible, in the row, even in wide vineyard rows using the trap door extension option.

- **Central bin 3500 L** : machine equipped with two or 4 fans
- **Central bin 3300 L** : machine equipped with **EASYclean**.

Total control:

GX8 bins are fitted with an ultrasonic bin level sensor. Bin level is displayed in real time on the i-monitor. An adjustable alarm can be set when a certain bin level is reached. Equipped with Neo Mass bin weight is readily available on the machine main screen.

EASYclean & Cross-conveyors:

Grapes are transferred to the **EASYclean** by a stainless steel auger. (Cross conveyor belt on **GX8** top fan model). If the **EASYclean** needs to be bypassed, there is a door underneath the main conveyor allowing the grapes to be dumped directly into the bin before ever getting to the **EASYclean**.

Grape leveling in the bin

The **GX8** is available in two configuration:

- Leveling by wiper for machine equipped with two bottom fans only
- Leveling by double chains: For **EASYclean** and top fans machines

To avoid maceration, the chain or wiper can be stopped manually or managed automatically depending on the bin fill level.

High dumping height 2.6m

A 2.6 meter dumping height easily allows you to dump into the highest gondolas or trailers. Only 30 sec are necessary to empty a completely full 3500 liter bin. Side dumping provides the clearest view and easiest dumping of your pick. Its easy for the tractor driver and gondola to set up for dumping. The harvester driver has a clear view into the gondola, which makes controlling the dump very simple and easy. A camera parallel to the bin, offers an even better view when dumping.



GX9

GX9, wide trellis, sprawl canopy, high yield, high picking speed, picking quality and sorting system : **GREGOIRE** brings you a unique solution to meet your most demanding harvest challenges.

ARC² picking head GX9

Like the other models of the series, the GX9 uses all the same GREGOIRE basics: robust, efficient, and simple. However the GX9 uniquely integrates many picking head special features to accommodate a wider trellis and higher yield:

- Extra large picking tunnel (750mm between conveyors)
- Suspended picking head with 8 silent blocks
- **ARC** shakers are 28mm diameter
- **VARIwidth+** picking head: Parallel expansion of the picking posts for pinch adjustment.
- Reinforced catcher tray: 2x21 trays fitted on silent block; Water tightness length 3300mm: A new market standard!
- New conveying system with two large 32cm belts
- 2 bottom fans with height adjustment of 50mm (Standard)
- Dead wood deflector
- Vertical & Horizontal extractors
- 2 top fans (Standard) or **EASYclean** with top fans (Option)
- Discharge arm available with fans or **EASYclean**



VARIwidth+

As a standard, all **GX9's** are equipped with the **VARIwidth+** picking head especially designed for wider trellises:

- Parallel expansion of the picking posts: the bow rods always keep the same shape for the best picking result whatever the canopy width
- Adjustment of the picking head: the distance between the bow rods is controlled from the driver's cab for an easy and quick pinch setting
- 750mm max tunnel width: suitable for wide trellis and cross arm trellis systems
- The bow rod active zone is optimized thanks to the parallel movement of the picking posts
- Picking head mounted on 8 silent blocks: no vibration and gentler picking
- New picking head location: the picking head module is set 10cm forward allowing a longer decompression period, for optimized picking performances and a faster working speed.

To satisfy all customer's requirements, the **GX9** is available in three different versions

Arm version

- High yield arm equipped with 4 fans and double drop transversal conveyors (5th fans on the arm available as an option)
- Arm version with **EASYclean** (Comes standard with 4 fans a 5th fans on the arm is available as an option)

Bin / Arm version **EASYclean** (Comes standard with 4 fans a 5th fans on the arm is available as an option)

- Bin capacity 2200 liters

Twin bin version

- 4 fans or **EASYclean** with top fans
- 2 x 2200 liters bin capacity

EASYclean

EASYclean sorting technology is now available on all **GX9** versions :Twin bin machines and for the first time on the arm and bin / arm version.

To optimize even more cleaning all **GX9** with the **EASYclean** will be equipped as a standard with 4 fans : 2 bottom and 2 top fans. With a simple adjustment, all **EASYclean** sorting units can be quickly disengaged for picking without destemming.



Access and maintenance

Maintenance is an integral part of a typical harvest day. Because regular maintenance means an uninterrupted harvest; from the very beginning **GL & GX** have been designed to make every cleaning and maintenance operation easy.

Hoods

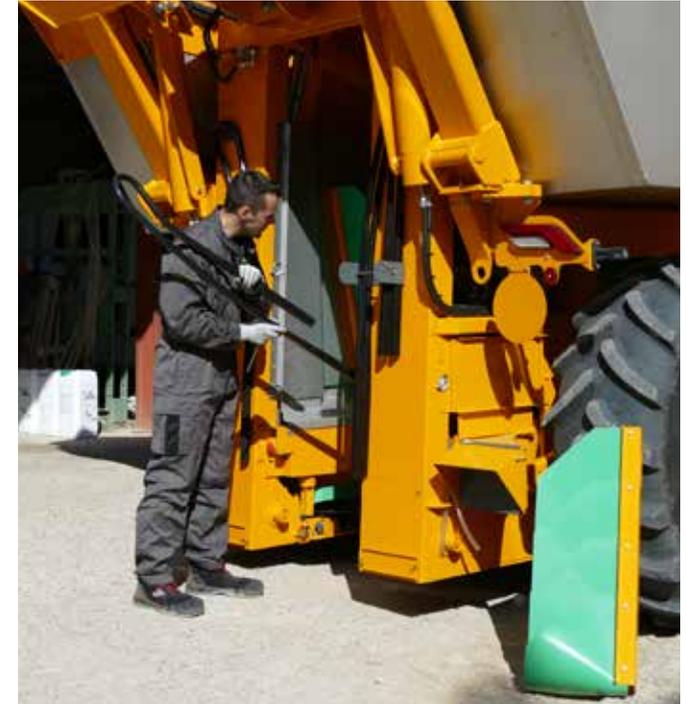
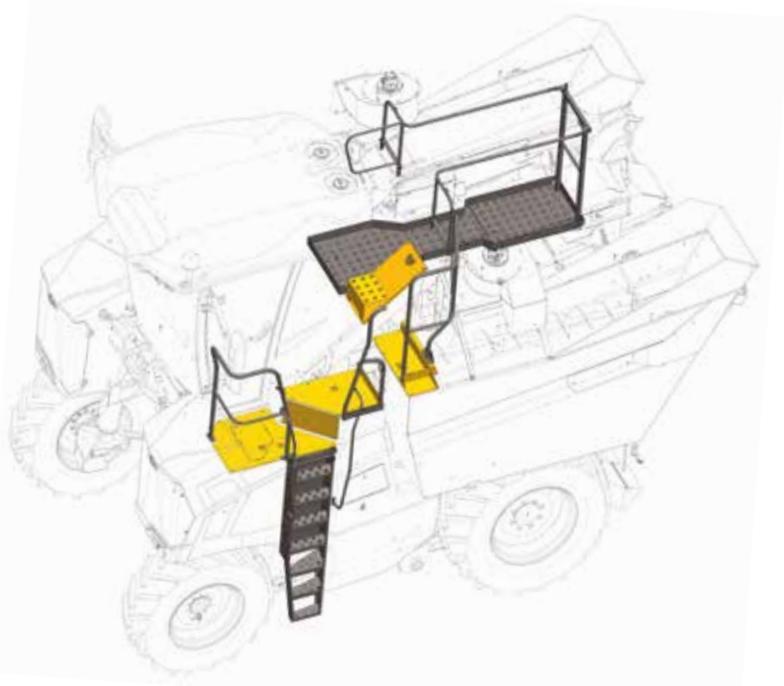
With **20** different hoods all around the machine it's easy to access everything on **GL & GX**.

Access and visibility are optimized to reach everything on the tractor base and harvesting system (hydraulic and electric components, engine, shakers, belts). Maintenance is easy and washing is fast.



Oversize top platform

GL & GX integrate on oversized top deck. It provides you with total freedom of movement for maintenance and washing operations. On the left hand side of the cab the deck is accessed by the ladder. Above the picking head, the platform runs from the front to the back of the machine.



Integrated washing line

To make cleaning easy, **GL & GX** are equipped with an integrated washing line. A bottom water connection allows you to connect your water supply and to provide water directly to the top platform. Your water supply can also be easily connected to both top fans to make cleaning easy. You save time and water.



Separated control box

Harvester function are controllable from a separate control box located on the top deck. This external control box gives you access to harvester function without having to enter the cab: bin lifting, picking head start up, etc.

Outside storage and components

GL & GX comes with outside storage, ideally positioned around the machine. Tools and machine components (greasing pump, tools, rods) can be easily stored on hangers or in compartments.

Greasing

After washing, greasing is always recommended. All greasing points are gathered to central and easy to access grease points. Manual greasing is quick and no grease points will be missed.

Technical data

Models		GL7.4	GL8.4	GL8.6	GX8.4	GX8.6	GX9.6				
Vineyard type ●											
Minimum row spacing	(m)	1,60	1,70	1,70	1,70	1,70	1,70				
Ground clearance	(m)	1,95	1,95	1,95	1,95	1,95	1,95				
Tractor base											
Fuel tank capacity	(litres-gal US)	260 - 68,7	260 - 68,7	260 - 68,7	260 - 68,7	260 - 68,7	260 - 68,7				
AdBlue® tank capacity	(litres-gal US)	20 - 5,3	20 - 5,3	20 - 5,3	20 - 5,3	20 - 5,3	20 - 5,3				
Elevation / slope correction	(mm / %)	600 / 28%	600 / 28%	600 / 28%	600 / 28%	600 / 28%	600 / 28%				
Automatic slope correction management		●	●	●	●	●	●				
Automatic ground following		○	○	○	○	○	○				
Steering system without spreader		●	●	●	●	●	●				
Steering radius	(m)	3,75	4	4	4	4	4,59				
Suspended front axel		NA	○	○	○	○	○				
Automatic park brakes		●	●	●	●	●	●				
Hydraulic oil flow : picking head, conveyors, fans circuits	(l/min)	75 / 75 / 36	75 / 75 / 36	75 / 75 / 36	75 / 75 / 36	75 / 75 / 36	75 / 75 / 36				
DEUTZ engine											
Emissions		StageV	Tier 3	StageV	StageV	Tier 3	StageV	StageV	Tier 3	StageV	Tier 3
Power ISO / engine speed		115Kw / 156ch @ 2100 rpm	103Kw / 140ch @ 2100 rpm	115Kw / 156ch @ 2100 rpm	140Kw / 190ch @ 2100 rpm	131Kw / 178ch @ 2100 rpm	115Kw / 156ch @ 2100 rpm	140Kw / 190ch @ 2100 rpm	131Kw / 178ch @ 2100 rpm	140Kw / 190ch @ 2100 rpm	131Kw / 178ch @ 2100 rpm
Maximal torque / engine speed		609 Nm @ 1600 tr/min	520 Nm @ 1600 tr/min	609 Nm @ 1600 tr/min	825 Nm @ 1450 tr/min	775 Nm @ 1450 tr/min	609 Nm @ 1600 tr/min	825 Nm @ 1450 tr/min	775 Nm @ 1450 tr/min	825 Nm @ 1450 tr/min	775 Nm @ 1450 tr/min
Automatic rpm management		●	●	●	●	●	●	●	●	●	●
Cylinders		4 in line		4 in line	6 in line		4 in line	6 in line		6 in line	
Engine size	(cm ³)	4100		4100	6100		4100	6100		6100	
SCR catalyst		●		●	●		●	●		●	
Transmission											
Oil tank capacity	(litres - gal US)	110 - 29		110 - 29	110 - 29		110 - 29	110 - 29		110 - 29	
Filtration		Pressure + return		Pressure + return	Pressure + return		Pressure + return	Pressure + return		Pressure + return	
Hydrostatic transmissison Twin Lock 4 wheels drive		●		●	●		●	●		●	
Speed management from the joystick (impulse + linear position + approach mode)		●		●	●		●	●		●	
Automatic anti-spinning Front/Rear (torque distributor)		●		●	●		●	●		●	
AUTOspeed : cruise control		●		●	●		●	●		●	
Automatic rpm optimization system on road and work mode		●		●	●		●	●		●	
Max. road speed (for authorized countries only)with 4 wheels drive		25 km/h / 15,5 mph		30 km/h / 18,6 mph	30 km/h / 18,6 mph		30 km/h / 18,6 mph	30 km/h / 18,6 mph		30 km/h / 18,6 mph	
Models											
		GL7.4	GL8.4	GL8.6	GX8.4	GX8.6	GX8.6				
DATAsolution											
GPS SR-10 receiver		○	○	○	○	○	○				
NEOmap : yield mapping system (includes NEOmass)		○	○	○	○	○	○				
NEOmass : weighing system		○	○	○	○	○	○				
NEOtrack : row tracing system		○	○	○	○	○	○				

Models		GL7.4	GL8.4	GL8.6	GX8.4	GX8.6	GX9.6
Cab							
Central cab		●	●	●	●	●	●
Cab size	(m ²)	2,2	2,2	2,2	2,2	2,2	2,2
Cab glazed surface	(m ²)	5	5	5	5	5	5
ROPS structure protection		●	●	●	●	●	●
CAT 4 driver protection(dust, aerosol and fumes)		○	○	○	○	○	○
Automatic, reversible air co and cooling compartment		●	●	●	●	●	●
2 USB plugs		●	●	●	●	●	●
Radio Bluetooth handsfree		●	●	●	●	●	●
Integrated 2 loudspeaker system		●	●	●	●	●	●
Pneumatic seat great comfort		●	●	●	●	●	●
Cab storage compartment		3	3	3	3	3	3
Steering wheel column with height adjustment and 2 pivots		●	●	●	●	●	●
Outside electric mirrors		●	●	●	●	●	●
Front, lateral and rear shades		●	●	●	●	●	●
Controls							
Multifonction joystick and arm rest integrated to seat		●	●	●	●	●	●
Multifunction and ergonomic joystick with backlighting		●	●	●	●	●	●
Free configuration of joystick contactors		●	●	●	●	●	●
Lateral browsing adjustment wheel + shortcuts		●	●	●	●	●	●
Touch and color screen i-Monitor with backlighting and adjustable position		●	●	●	●	●	●
Touch screen i-Monitor size	(inches)	12"	12"	12"	12"	12"	12"
ISOBUS compatibility		●	●	●	●	●	●
Advanced display on i-Monitor with miniviews finger slides		●	●	●	●	●	●
Nominatives records (hours, hectares, ...) with USB extraction		●	●	●	●	●	●
Nominatives settings with USB extraction		●	●	●	●	●	●
EASYPilot :Automatic row following system with 3D cameras		○	○	○	○	○	○
EASYturn : steering wheels revolution reduction (EASYPilot needed)		○	○	○	○	○	○
Visibility							
Lights number (LED)		10	10	10	10	10	10
Lighting power (LED)	(lumen)	18 160	18 160	18 160	18 160	18 160	18 160
Cab door sill lightening		●	●	●	●	●	●
Flashing light automatic activation in road mode		●	●	●	●	●	●
Flashing light automatic activation when bins are full		●	●	●	●	●	●
LED alignment system integrated to cab structure		●	●	●	●	●	●
2 color cameras		●	●	●	●	●	●
EASY 360 : 360° cameras (broadcasted on additional screen)		○	○	○	○	○	○

● : Standard ○ : Option ND : Non Available

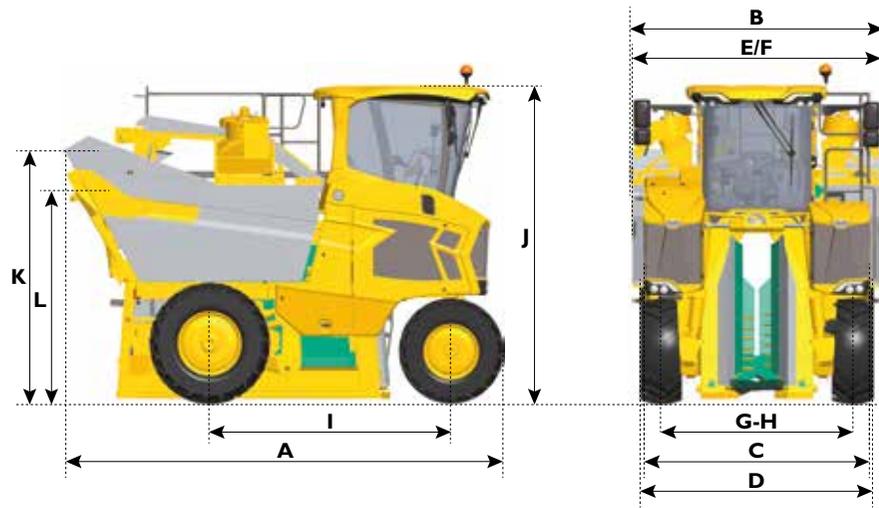
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Models		GL7.4	GL8.4	GL8.6	GX8.4	GX8.6	GX9.6
Harvesting module and picking head							
Quick harvesting module coupling		●	●	●	●	●	●
All harvesting module functions controlled from cab		●	●	●	●	●	●
Double pendulum system (shacking + conveying) with automatic lock activating road mode		●	●	●	●	●	●
Suspended picking head (nbr of silentblocs)		8	8	8	12	12	8
14 shakers ARC² with fast fixing FASTfit		●	●	●	●	●	ND
AUTOpinch : automatic and continue pinch setting management		●	●	●	●	●	ND
Scales number		2x19	2x22	2x22	2x22	2x22	2x21 on silentblocs
Pneumatic catcher tray		●	●	●	●	●	●
Catcher tray length	(mm)	2400	2600	2600	2600	2600	3300
Minimum harvesting height	(cm)	- de 15	- de 15	- de 15	- de 15	- de 15	- de 15
Quick adjustment of catcher trays angle		●	●	●	●	●	●
Tunnel width	(mm)	650	650	650	650	650	750
Belts width	(mm)	320	320	320	320	320	320
Belts hydraulicaly driven with adjustable speed and reverse		●	●	●	●	●	●
Picking function with low speed alarms		●	●	●	●	●	●
Cleaning							
2 bottom fans		●	●	●	●	●	●
Bottom fans height adjustment (50 mm)		ND	●	●	●	●	●
Vertical extractors		●	●	●	●	●	●
Dead wood deflector		●	●	●	●	●	●
2 top fans		○	●	●	●	●	●
Secondary belts high yields (top fans version)	(mm)	500	500	500	500	500	500
EASYclean : sorting system with oscillating fingers - 99,8% cleaning quality on bins		○	○	○	○	○	○
Secondary belts high yields (EASYclean version)	(mm)	380	380	380	Auger	Auger	380
Stocking							
Large stainless steel bins capacity	(litres/gal)	2x2000 / 2x528	2x2000 / 2x528	2x2000 / 2x528			2x2200 / 2x581
Notched stainless steel bins capacity	(litres/gal)	2x1500 / 2x396	2x1500 / 2x396	2x1500 / 2x396			
Central stainless steel bins capacity	(litres/gal)				3500 / 925	3500 / 925	
Bin level sensor with I monitor display (on i-Monitor)		●	●	●	●	●	●
Emptying height	(m)	3	3	3	2.60	2.60	3.10
Automatic bins filling		By feeder screw	By feeder screw	By feeder screw	By chains or wiper	By chains or wiper	By feeder screw
Discharge arm		NA	○	○	NA	NA	○
Access, maintenance and washing							
Centralized greasing		●	●	●	●	●	●
Shakers storage on rear conveyors		●	●	●	●	●	●
Tools box		●	●	●	●	●	●
Separated control box		●	●	●	●	●	●
Integrated washing line with water supplying on top platform		●	●	●	●	●	●

● : Standard
○ : Option
NA : Non Available

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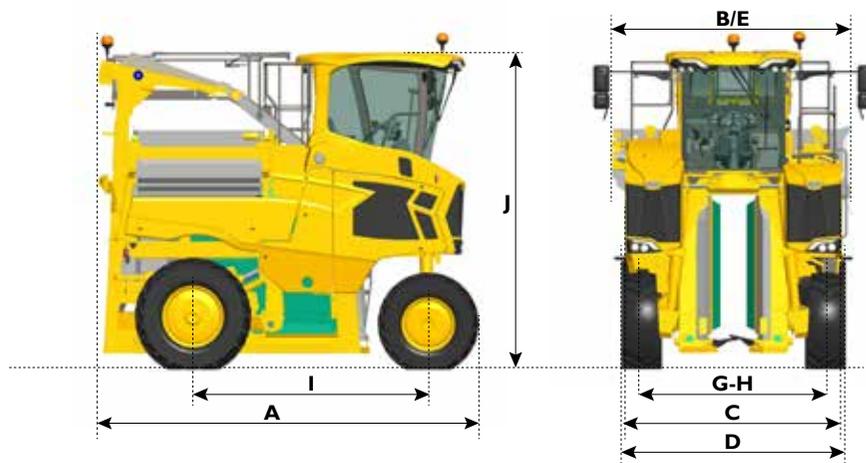


Models		GL7.4	GL8.4	GL8.6	GX9.6
Front tires available		360/70 R20 (Std) 360/70 R20 (Large) 320/70 R20 (Narrow)	380/85 R24 (Std)	380/85 R24 (Std)	420/70 R24 (Std)
Rear tires available		460/70 R24 (Std) 540/65 R24 (Large) 400/80 R24 (Narrow)	480/70 R28 (Std) 540/65 R28 (Large)	480/70 R28 (Std) 540/65 R28 (Large)	540/65 R30
A - Total length - standard / EASYclean / High yield arm	mm	4947 / 5225 / ND	5251 / 5531 / ND	5251 / 5531 / ND	6264 / 6523 / 5671
B - Overall width	mm	3000	3000	3000	3000
C - Width engine hood	mm	2660	2680	2680	2835
D - Wheel width narrow / standard / large	mm	2548 / 2660 / 2820	ND / 2761 / 2837	ND / 2761 / 2837	2992
E - Width bin to bin 4000L	mm	2943	2943	2943	2943
F - Width bin to bin 3000L (notched till 1,95m from the ground)	mm	2625	2625	2625	2625
G - Front track - tires narrows / standard / large	mm	1982 / 2020 / 2020	ND / 2158 / ND	ND / 2158 / ND	2256
H - Rear track - tires narrows / standard / large	mm	2143 / 2203 / 2280	ND / 2270 / 2307	ND / 2270 / 2307	2415
I - Wheel base	mm	2730	2876	2876	3365
J - Total height	mm	3700	3700	3700	3700
K - Bin height	mm	2785	2930	2930	2980
L - Bin discharge axle height	mm	2355	2500	2500	2500

- : Standard
- : Option
- ND : Non Available

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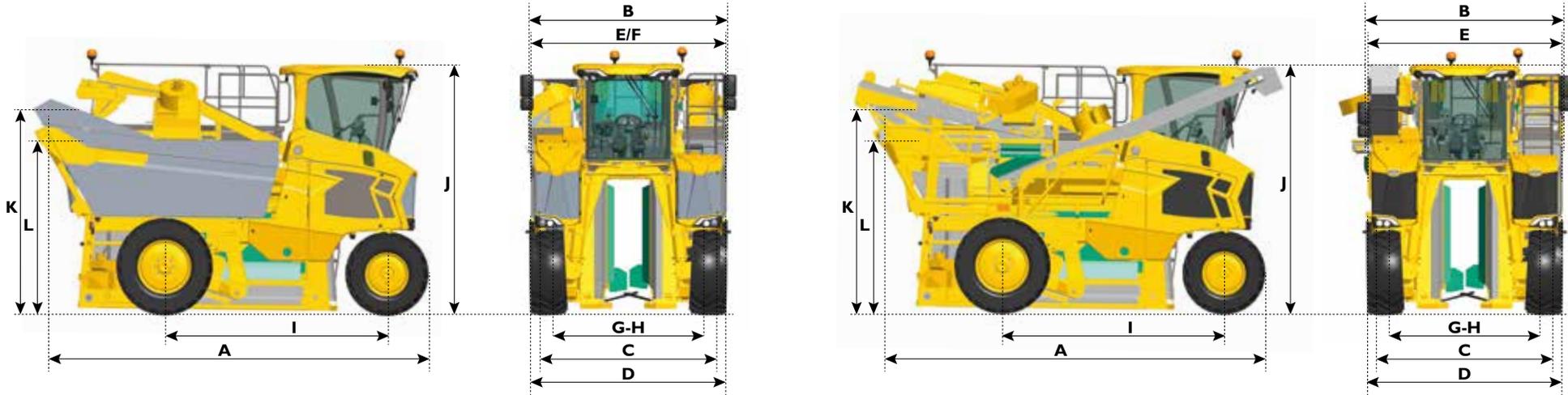


Models		GXB.4	GXB.6
Front tires available		380/85 R24 (Std) 420/70 R24 (large)	380/85 R24 (Std) 420/70 R24 (large)
Rear tires available		480/70 R28 (Std) 540/65 R30 (Large)	480/70 R28 (Std) 540/65 R30 (Large)
A - Total length - standard / EASYclean	mm	4730/5390	4730/5390
B - Overall width	mm	3000	3000
C - Width engine hood	mm	2680	2680
D - Wheel width narrow / standard / large	mm	ND / 2761 / 2837	ND / 2761 / 2837
E - Width bin to bin	mm	3000	3000
G - Front track - tires narrows / standard / large	mm	ND / 2158 / ND	ND / 2158 / ND
H - Rear track - tires narrows / standard / large	mm	ND / 2270 / 2307	ND / 2270 / 2307
I - Wheel base	mm	2876	2876
J - Total height	mm	3700	3700

- : Standard
- : Option
- ND : Non Available

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Models		GX9.6 2 bins	GX9.6 Bin+arm+EASYS CLEAN	GX9.6 High Yield Arm
Front tires available		420/70 R24 (Std)	420/70 R24 (Std)	420/70 R24 (Std)
Rear tires available		540/65 R30	540/65 R30	540/65 R30
A - Total length	mm	6264	6523	5671
B - Overall width	mm	3000	3000	3000
C - Width engine hood	mm	2835	2835	2835
D - Wheel width	mm	2992	2992	2992
E - Width bin to bin	mm	2943	2943	2943
G - Front track	mm	2256	2256	2256
H - Rear track	mm	2415	2415	2415
I - Wheel base	mm	3365	3365	3365
J - Total height	mm	3700	3700	3700
K - Bin height	mm	2980	2980	2980
L - Bin discharge axle height	mm	2500	2500	2500

- : Standard
- : Option
- ND : Non Available

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GREGOIRE know-how to serve your vineyard

With over 30 years experience in the mechanization of vineyards, GREGOIRE offer a complete range dedicated to grape and olive harvesting and spraying.

Stay oriGinal !

To benefit from a high performance harvester and a constant reliability during the years it is important to maintain your machine with GREGOIRE Original spare parts. The Original spare parts offer your equipment a long lifetime. They are made to fit and have the right specifications.



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GREGOIRE G3



GREGOIRE ECOPROTECT



GREGOIRE G10.380



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