

Grape harvesters
Rows from 1.6mt
GREGOIRE GL & GX

GREGOIRE

PASSEZ À L'AVENIR*

The future of
harvesting

**GL
GX**



* SHIFT TO THE FUTURE



During the years
GREGOIRE has been
able to develop its
products to meet all
of your harvesting
and vine conditioning
requirements.



40 years of experience

GREGOIRE offers a wide range of vineyard maintenance tools; sprayers and self propelled or trailed harvesters for grapes and olives. The main qualities of the GREGOIRE product range are performance, reliability and low maintenance costs. These key qualities make GREGOIRE the preferred supplier even for the most demanding end users.

The GREGOIRE product range is distributed and serviced via a worldwide network of distributors which are trained to provide professional advice and a top class after sales service.

Staying close to our customers has allowed us to develop according to the customer requirements

GREGOIRE has obtained a leading position in nearly all grape growing countries in the world.

Choosing GREGOIRE means choosing the most reliable and highest quality supplier in mechanization of grapes and olives

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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 marks a new era within the vineyard industry. **GREGOIRE** offers three new harvester models, the **GL7, GL8 & GX8**. These new harvester models are specifically designed to use the new technology available today but retaining the key values of the brand :

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

GL7, GL8 & GX8 models are designed to work in vineyards with minimum row spacing of 1,6 meters. Not only you can use the **GL7, GL8 & GX8** to harvest your grapes you can utilise the machine during other periods of the year as the tractor base can be equipped with a front tool carrier for trimming/pruning or utilised as a dedicated spraying unit using the machines **ISOBUS** functionality.

GREGOIRE GL7, GL8 & GX8 brings you major innovation that is already recognised and rewarded by the industry with **AUTOpinch**, **NEOmap** and **EASYpilot**.

Discover the new **GREGOIRE GL7, GL8 & GX8...**

AUTOpinch



**SITEVI
INNOVATION
AWARDS**

2017

NEOmap



**SITEVI
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AWARDS**

2017

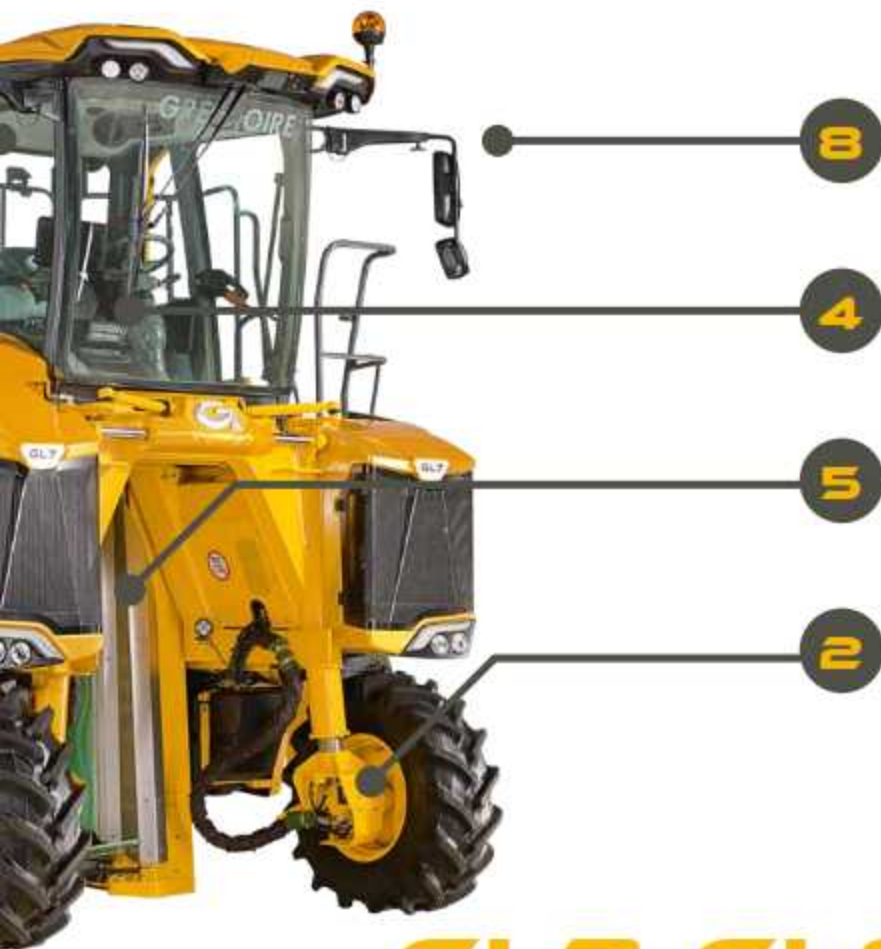
EASYpilot



**SITEVI
INNOVATION
AWARDS**

2017





1. DEUTZ 4 cylinders diesel engine , 156 HP (**GL7.4, GL8.4 & GX8.4**) or 6 cylinders 190 HP (**GL8.6 & GX8.6**) with automatic rpm management and Tier 4 final standard : **efficient fuel consumption**, Tier 3 engine for authorized countries GL7.4, Deutz 4 Cyl 140 HP and GL8 Deutz 6 Cyl 178 HP
2. Hydrostatic transmission with 4 automatic wheels drive : **power**
3. Superb comfort central cab, spacious and soundproofed, 3 storage compartments, CAT4 & ROPS4 cab standards : **comfort**
4. Side command console equipped with the **i-Monitor** (12 inches) touch screen and multifunction joystick manage by impetus : **simplicity of use**
5. Double pendulum picking head **ARC²** : **suppleness**
6. **EASYclean** on board sorting system: **99,8% cleaning quality on bins : cleanliness**
7. Large bins capacity (Up to 4000 liters) with high tipping point (3 meter min): **autonomy**
8. Connected tools (optional) : **EASYPilot** (Automatic row following), **NEOmap** (Yield monitoring), **NEOmass** (On board weighing system), **NEOtrack** (row tracing system) : **Control**
9. Easy access (over 20 hoods and trapdoors), tilting and foldable access ladder (25°), oversized top platform : **accessibility**

GL7, GL8 & GX8

Tractor base

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

GL7, GL8 & GX8 tractor base are versatile and can be adapted for multi purpose works throughout the year.



GL7
GL8
GX8

Versatility throughout the year

GL7, GL8 & GX8 can be equipped with front vine conditioning tools and multi rows spraying unit. Tool recognition is automatic thanks to the ISObus technology. Tools and spraying units are directly controlled by the harvester commands and joystick. Coupling/uncoupling of multifunction tools is simple and quick thanks to the centralized electric and hydraulics connections.



Automatic slope correction for extreme conditions

GL7, GL8 & GX8 are equipped with the latest generation of automatic slope management allowing a fast slope correction and higher reactivity. The driver always take precedence over the automatic mode.

With a **600mm** levelling the **GL7, GL8 & GX8** can perform without difficulties even with tough ground conditions and slopes



Steering and turning radius with high manoeuvrability

The new steering system without spreader allows a precise and soft maneuverability even in most restricted area. 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 clear entrance to the picking tunnel eliminating the pulling of canes. Tight steering radius on both models (**GL7** : 3,75m, **GL/X8** : 4m) for an unrivaled maneuverability .



Fuel tank capacity

GL7, GL8 & GX8 incorporate a polythene fuel tank, light, with large capacity. Allowing a high fuel autonomy during harvest or multifunction works. Tank positioning is purposely low to improve the center of gravity and agility of the machine. Combined with **DEUTZ** engines already known for their fuel efficiency, the **GL7, GL8 & GX8** offers higher performance and increased profitability.

Fuel tank capacity :

- **Gazole** : 260 l
- **AdBlue®** : 20 l

Engines

GL7, GL8 & GX8 are equipped with Tier 4 Final engine that complies with all new emissions standards, or Tier 3 engine for authorized countries.

Coming from a long partnership with **DEUTZ AG** the **GL7, GL8 & GX8** 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



GL7, GL8 & GX8 are equipped with an automatic engine rpm management. According to oil flow needs (running vine tools, vehicle speed, machine load ...) engine rpm will adapt automatically to always supply the required power. That smart management guarantees a precise and controlled fuel consumption. It also guarantees your security with slope correction reactivity being optimized in difficult ground conditions.

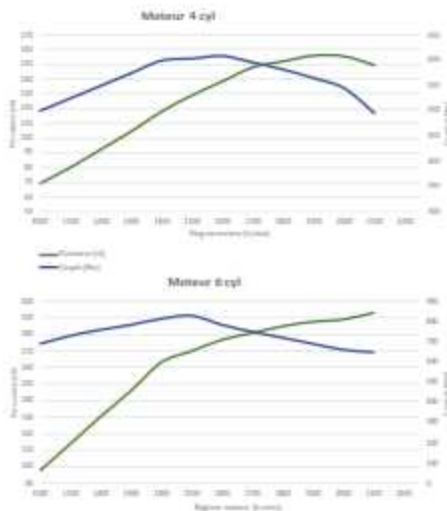
In road mode engine revs will stabilize automatically once required speed is reached resulting in low fuel consumption

Technology respecting the environment

The DEUTZ AG Tier 4 final engine offers a large power capacity and use emission systems that meet the latest environmental standards. Technologies used on **GREGOIRE GL7, GL8 & GX8** 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®

T4F



High torque with low revs

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

6 cylinders engines (190 hp) are fitted on **GL8.6 & GX8.6**. This offers an exceptional and constant torque from 1300 rpm (maximum torque at 1500 rpm : 825 Nm), proud of traction capacity with low engine rpm and also high torque reserve. Power delivered is also impressive (maximal power : 190 hp).

Engines T3 (for authorized countries)

GL7.4, GL8.6 & GX8.6 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 and GX8.6 produce 178 HP and a maximum torque of 775 Nm at 1450 rpm.

Both engines comes without Adblue and diesel particulate filter.

Model	GL7.4	GL8.4 GX8.4	GL8.6 GX8.6
Power T4F/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

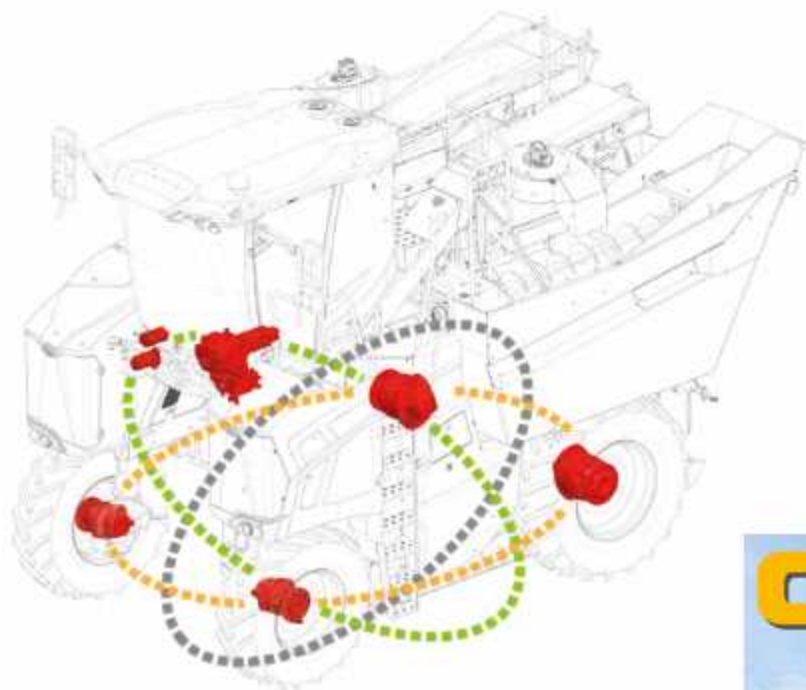
GL7, GL8 & GX8 integrates a powerful and innovative wheel transmission that allows you to confront all kinds of vineyard configurations, slopes, grounds and climatic situations.

Exclusive transmission management

GL7, GL8 & GX8 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 approach mode.

Approach mode (**GREGOIRE** exclusivity) offers extreme driving precision during difficult maneuvers by applying pressure on the joystick and the inverter contactor.

Those different management options allow you to adapt your driving according to your preferences.



Wheel Drives

Hydrostatic transmission is composed of POCLAIN wheel drive motors with double motor size (For work & road mode). New wheels drive motor generation offers a new power reference (+28%).

Power of hydraulic

GL7, GL8 & GX8 get an hydrostatic transmission supplied by latest pump technology (+13% increased cubic capacity). The Twinlock system continuously and automatically manages driving anti-skid, efficiently supplying power to the 4 wheels drive. The **GL7, GL8 & GX8** performs on the most demanding ground conditions.



AUTOspeed perfectly manages the working speed whatever the ground conditions. The dedicated command on the joystick allows 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 **GL7, GL8 & GX8** all 4 wheels are driving for best driving comfort and optimal road holding. These models are homologated up to 25 km/h and engine rpm is automatically managed according to required speed thanks to automatic engine rpm management resulting in low fuel consumption and reduced noise levels.





Welcome to first class

Well 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)

Your safety being the priority, the cab meets latest **OCDE ROPS** standard. Those standard certify that cabs integrate a anti-crushing structure in case of machine rollover. Besides the central position of the cab guarantees an optimum safety.



Welcome on board !

A single press on the offset opening switch will :

- Open out the electrically inclined ladder
- Lighten the cab door sill
- Start the **i-Monitor** screen

For increased safety, the ladder will automatically fold in up to 0,3 km/h.

GL7, GL8 & GX8 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 works)
- 3 storage compartments (including one cooling compartment)
- 3 shades (Front, right and rear) to protect drivers to direct sun exposure and disturbing reflection.
- Quality design and material

Glazed surface

The large glazed surface offers a perfect visibility over 360°, giving comfort and safety.

Specific windscreen curvature gives maximum cab space and eliminates 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 last driver protection standard **GL7, GL8 & GX8** offer **CAT4** cab (Optional). The **CAT4** cab protect you against dust, aerosol and fumes thanks to its active charcoal filters, it's air renewal (30m³/h) and pressurization 20 Pa (over pressurization indicator)



And there was light !

With no less than 12 lights (10 LED) that equip **GL7, GL8 & GX8**. Thanks to **LED** technology **GREGOIRE** harvesters dispose of 18 000 lumens light power. 2 flashing lights are also available (Cab and picking head) with automatic activation in road mode and when bins are full.

Direct your operations

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

GL7, GL8 & GX8 perfectly integrates the latest technologies for easy use to make sure you use the machine to its full potential.

Forward speed control Easy and precise

GL7, GL8 & GX8 Exclusive transmission management.

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

This technology combination brings a amazing driving experience with the ease of maneuvering even in the most narrow and tight areas.

Joystick could be rotate, allowing a perfect adaptation to your morphology and preference.

Control is yours !

GL7, GL8 & GX8 has integrates a touch screen **i-Monitor** (12"), the largest on the market. For more efficiency, data is gathered on an unique control point. With the use of intuitive pictograms making it easy to understand and superb backlighting allowing you to adjust to your needs for a pleasant nights work.

The **i-Monitor** centralize all picking head and tractor base information eliminating 2 screens. You can finger slide one of the miniviews to access advanced features. All setting are user adaptable : from the button on the joystick, to the foldable ladder parameters.





Data storage

Touch screen **i-Monitor** integrates a large number of data storage for record, reuse, analysis. Named plot data record and 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 **GL7, GL8 & GX8**. This feature avoids using additional control screens when a tool is connected..

Headland sequencing

GL7, GL8 & GX8 comes with headlands sequencing which is fully adjustable and nominative.

All machines parameters can be integrate d for row entry and exit of row with you controlling how you want the machine to be set determining of the the job on hand.



Driver assistance

Central position of the cab allows a perfect alignment on the row. 360° glazed surface for a perfect visibility. Floor glass permits the driver to check picking tunnel entrance and allows good centering onto the row. Bin filling is checked in real time. U-turn maneuvers can be made for both the left or right.

With the central driving cab fitted it enables an oversize rear platform to be integrated. This allows the operator to do maintenance checks in total safety.

Automatic lifting (option)

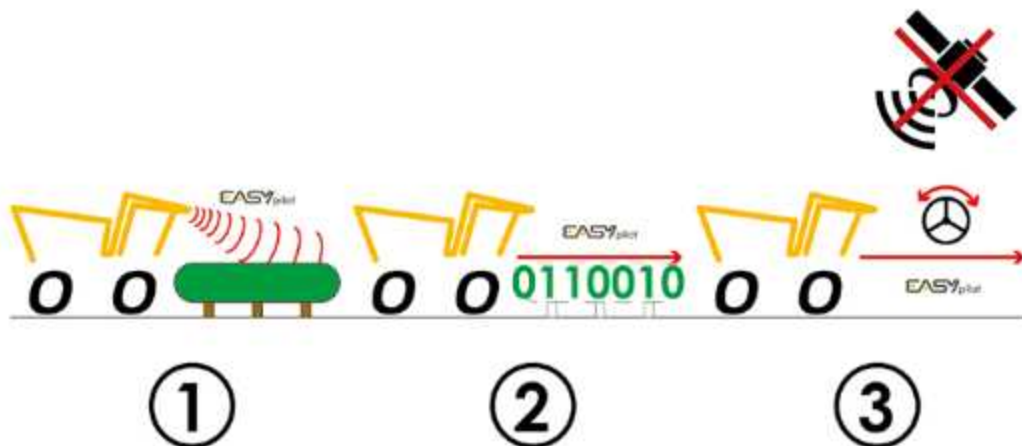
Thanks to that system you don't have any more to worry about machine height.

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





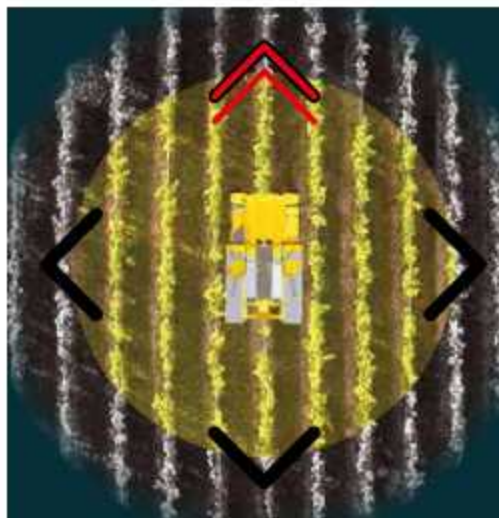
Thanks to **EASYPilot** the harvester is automatically centered on the vine row without you having to correct the steering. Using a telemetric 3D camera, **EASYPilot** operates throughout the year whatever the vegetation conditions and job to be done (Multifunction, Harvesting or Spraying). Day or night, automatic guidance of the machine is achieved. Contrary to a GPS guided system, **EASYPilot** can be use in a plot not covered by GPS signal. Perfect centering on the row is a guarantee of optimal picking quality



EASYturn enables the steering wheels revolutions from lock to lock reduced, thus enabling quicker U turns. Combined with EASYPilot, the **GL7, GL8 & GX8** achieves quick and flowing maneuvers and a perfect row tracing.

Perfect centering !

Ingenious alignment LED integrated to cab mount gives you additional monitoring to perfectly center the machine on the row and guarantee you the utmost picking quality.



GL7, GL8 & GX8 are equipped with two cameras.

A **360° camera** (option) broadcasted on an additional color screen provide a complete visualization of the machine and surrounding. It removes all blind angles and secure the machines and operators during headland, bin dumping, storage maneuvers.

Connected harvest

The Farming industry has experienced fundamental changes and grape growers need today more data and information to make the right decisions at the right time to get the best quality and yield. The **GL7, GL8 & GX8** helps you makes these decisions with the new technology available.

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 to **NEOmap** and **NEOtrack**.





Row processed tracking



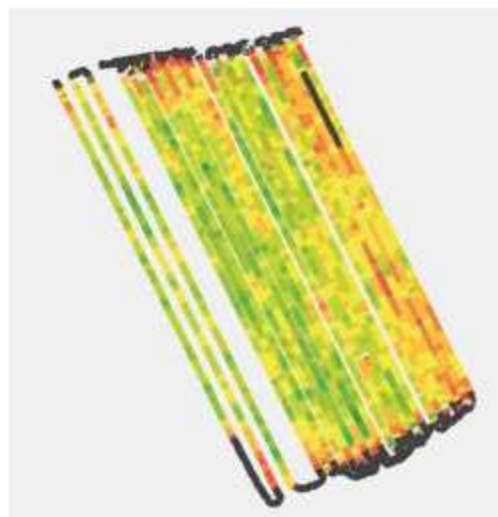
NEOtrack eases night work or spraying operation allowing you to monitor work. Each row processed is colored on the screen eliminating the risk of missing the row.



On board weighing



GL7, GL8 & GX8 integrates as an option the **NEOmass** weighting system. The on board weighing sensors permit 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 of the day.
Weight information is great for cellar & trucking management.



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	



Yield cartography

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 put in place necessary action (fertilizer input, confined spraying treatments; irrigation ...)

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

ARC² picking head

For many years **GREGOIRE** have developed innovative solutions to optimize harvest quality and ease your daily work. Known for being the smoother picking head ever built, **GL7 & GL8** will be no exception and set new picking standard with numerous technical innovations.

« The smoothest picking head ever built ! »

Large picking tunnel

650 mm width picking tunnel enable **GL7, GL8 & GX8** to work in all kind of vineyard configuration with a total efficiency (Minimal pruning, VSP trellis, Sprawl...) preserving plant integrity.

GL7, GL8 & GX8 picking tunnel the largest available on the market also ease access for various operations : maintenance, setting, cleaning ...



Double pendulum system

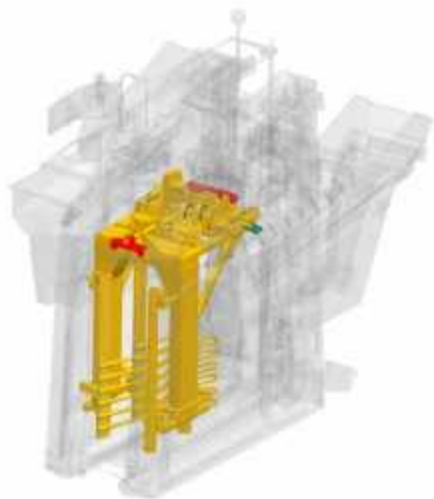
GL7, GL8 & GX harvesting module comes with a "double pendulum" system. The picking head is fitted on pivot and conveyors oscillate in relation to tractor base. With this double pendulum, picking and collecting module follow perfectly the vines and offer you the best pick on the market without damage to the vine.

Pendulum system is automatically locked activating road mode

Suspended picking head

To go further with vineyard respect and picking quality **ARC²** picking head is suspended. The whole picking system is fitted on silent bloc absorber to limit vibration and thus :

- Keep the best shaking motion
- Preserve driver from interference vibration and improve driving comfort



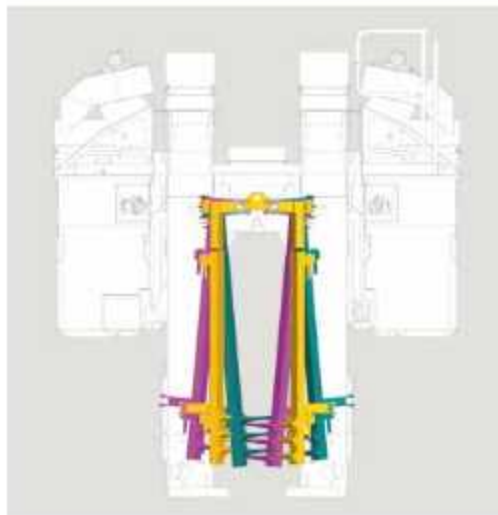
ARC² shakers

Thanks to their exclusive shape **ARC²** offer four different working areas, with specific function :

- Compression area : compress without damaging the vegetation till the pinch setting value.
- Adjustable active zone : main shaking area, adjustable according to grape maturity and vineyard configuration.
- Decompression area : trellis decompression area, grapes hold inside vegetation are released.
- Shaking start again : right after the post, no lost grape around the post.

Double shacking support

ARC² shakers are driven by two checking support that works simultaneously. Checking frequency and stress is homogenously shared all along the shakers allowing best picking result and shaker longevity



Autopinch[®]

Automatic
pinch setting



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Pinch setting is crucial to optimize picking quality and to preserve vines integrity. **Autopinch[®]** is an automatic and continuous adjustment of the pinch distance. Distance between shakers is fine tuned according to vine density to achieve the best picking result.

FAST FIT

FAST FIT system enable a quick mount and an easy setting of the shaker active zone. Number of shakers can be easily adapted to different grape area height.



Scales

Scales that assure grape collection are fitted on a pneumatic rail. Adjusting the air pressure can increase or reduce the rigidity of the scales determined by the vineyard: scales lifespan is optimized, impact to young plant is reduced.

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

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

- **GL7** : 2x20 scales, water tightness length : **2400 mm**
- **GL8** : 2x22 scales, water tightness length : **2600 mm**
- **GX8** : 2x22 scales, water tightness length : **2600 mm**

Harvesting height less than 15cm

Thanks to the exclusive harvesting module design, **GL7, GL8 & GX8** starts picking **15cm** from the ground. Even lowest grape are picked.

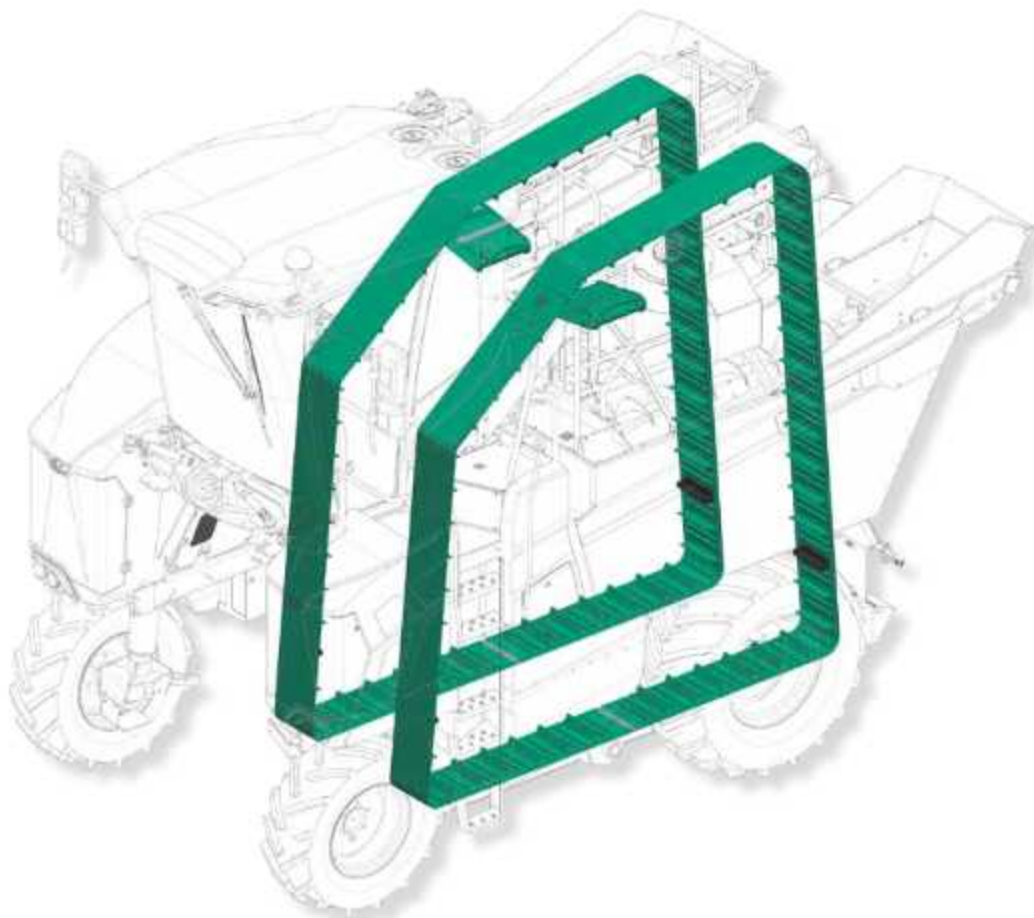


Conveying

Two large belts **32 cm** in width, forming a loop continuously carrying the harvest to the top of the machine. Belt speed is adjustable from driver cab independently of harvester forward speed. The harvest will always lay flat on the belts, where the fans will remove MOG while retaining juice and respecting the berry.

Their unique design provides an extreme resistance to damage and tears and allows repairs. Special structures welded on the belt convey grape without crushing or juice losses.

With the conveyor system it brings the grapes to the front parts of the bins. Unloading areas are composed of stainless steel slope or kick off belt and these are accessible for cleaning thanks to the top platform. The Conveyor is driven by a pulley system which self tensioning. This ensures a positive torque relative to yield and load which protects belt life.



Secondary belts

GL7 or **GL8** with 4 fans or with **EASYclean** integrates kick off belts. Large belt size used (500mm : 4 fans ; 380mm : **EASYclean**) improves the grapes flow and facilitate cleaning.



Cleaning fans

The **GREGOIRE** harvest cleaning principle (fans) is simple : performs cleaning as soon as possible . It removes leaves and MOG (Materials others than grapes) These are extracted before they get inside the conveying loop.

Optional top fans

To complete cleaning you can equip **GL7, GL8 & GX8** with 2 top fans. These are fitted on top of each bin and fine-tune cleaning just before harvest falls into the bins.

GL8 are equipped as standard with four fans.

Standard bottom fans

GL7, GL8 & GX8 are equipped with 2 bottom fans. These extract leaves right after shaking. To perfect harvest cleaning extractors will remove canes, prop and all dead wood.

GL8 & GX8 bottom fans integrate a height adjustment (50mm) to adapt cleaning intensity to picking conditions : grape load, high working speed.

Cane extractors

To avoid bulky foreign body, dead woods to enter the conveying routing **GL7, GL8 & GX8** are equipped with cane extractors , this improve a cleaning and will protect belting from possible damages.



Sorting quality

EASYclean sorting system is available on **GL7**, **GL8** et **GX8**. Simplicity of use and cleaning quality sets a new reference 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 reference. 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 priority **EASYclean** can be used or not just by inverting the mesh belt rotating direction.

EASYclean lift up can be operated independently from the cab to facilitate cleaning and maintenance operation. This sequencing enables to extract residual waste and ease grape flow out of the bin. Each **EASYclean** unit is fitted with a jamming sensor with an alerting the operator in the cab.

Settings

To offer simple working principle, you must have **EASY** settings. 2 main settings are necessary :

- 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.

Stocking

To face productivity and efficiency the **GL7** and **GL8** comes with a generation bin, larger and connected. In real time grape quantity inside the bins can be monitored.

Productivity objectives today are made more efficient. **GL7** and **GL8** comes with a new bins generation, big quantity and also smart. Depending on the version you choose, you can be informed with real time data in relation to stocking and quantity.

Large bin capacity

GL7 and **GL8** lateral stainless steel bins offer the large storage capacity available on the market. Dumping phase are 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 bin filling bins are fitted with an ultrasonic bin level sensor. Bin level is displayed in real time inside the cab on the touchscreen. An adjustable alarm can be set when a certain bin level is reached

Rear camera

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

Automatic bins filling augers

Bins are equipped with filling auger hydraulically driven. It optimize the bin's filling by spreading the harvest into the bin. To avoid useless harvest crushing, augers could 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 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 respect of 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 : 2600mm
- New conveying system with 320mm conveying belts
- x2 height adjustable bottom fans 50mm
- Wood deflectors
- x2 top fans on bins (option)
- **EASYclean** sorting system (option)



Extra-large capacity central bin:

The **GREGOIRE** central bin offer the larger stocking capacity on the market. Central bins allow a total control during emptying operation and even allow partial dumping thanks to its hydraulic trap door. Side dumping makes possible, in the row, emptying operation, even with large width vineyard 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 directly available on the machine main screen.

EASYclean & Traversal conveying :

Grape transfer to the EASYclean is made by a stainless steel auger. (Transversal belt on 4 fans GX). If EASYclean needs to be by passed a trap door is available underneath the main conveyor and the grape is dumped directly into the bin without passing through EASYclean

Grape distribution into the bin

According to **GX** configuration two systems are available:

- Distribution by wiper for machine equipped with two bottom fans only
- Distribution by double chains : For **EASYclean** and 4 fans machines

To avoid trituration, chain or wiper, can be stopped manually or manage automatically according to bin filling level

High discharge height 2.6 m

A 2.6 meter discharge height allow easy dumping even with highest gondolas or trailers. Only 30 sec are necessary to empty a complete 3500 liter bin. Side dumping, thank to easier gondola approach and a better control on the operation only require 1 person : the harvester driver. A camera parallel to the bin offer additional control during emptying.



Access and maintenance

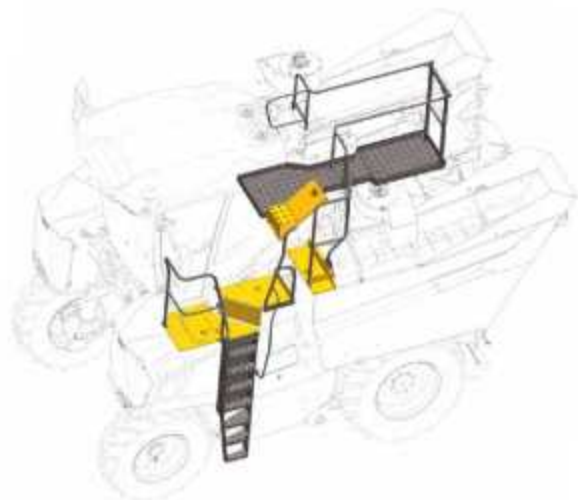
Maintenance is an integral part of a typical harvest day. Because a controlled maintenance means optimized working hours, from the really beginning **GL7, GL8 & GX8** have been design to ease every cleaning and maintenance operation.

Hoods

Not less than **20** hoods, with large opening are available on **GL7, GL8 & GX8**

Access and visibility are optimized to reach all main tractor base and harvesting systems (hydraulic and electric components, engine, shakers, belts). Maintenance is easy and washing is fast.





Oversize top platform

GL7, GL8 & GX8 integrate oversized top deck. It provides you with a total freedom of movements for maintenance and washing operations. On the left hand side of the cab the tractor base deck is accessed by the ladder. On the picking head top a 2 meter platform runs from the front to the back of the machine.



Integrated washing line

To ease cleaning operations, **GL7, GL8 & GX8** are equipped with an integrated washing line. A low water connector allow you to connect your water supply and to provide water directly to the top platform. Water supply can also be easily connected to both top fans to ease cleaning. You earn time and save water.



Separated control box

Machines control is complete with a separated control box located on the top deck, this external command gives you access to machine function without having to enter the cab : bin lifting, picking head start up ...

Peripheral storage

GL7, GL8 & GX8 comes with peripheral storage, ideally positioned around the machine, tools and machine components (greasing pump, tools, rods) can be easily stored.

Greasing

After washing, greasing is recommended. All greasing point are gathered in strategic and easy to access areas. Manual greasing is quick and no greasing forgotten.

Technical data

Models		GL7.4	GL8.4	GL8.6	GXB.4	GXB.6
Vineyard type *						
Minimum row spacing	(m)	1.60	1.70	1.70	1.70	1.70
Ground clearance	(m)	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
AsBlue® tank capacity	(litres-gal US)	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%
Automatic slope correction management		●	●	●	●	●
Automatic ground following		○	○	○	○	○
Steering system without spreader		●	●	●	●	●
Steering radius	(m)	3.75	4	4	4	4
Automatic park brakes		●	●	●	●	●
Hydraulic oil flow / picking head, conveyor, hose circuits	(l/min)	75 / 75 / 36	75 / 75 / 36	75 / 75 / 36	75 / 75 / 36	75 / 75 / 36
Engine						
Brand		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Brakes		Tier 4 Final Tier 3	Tier 4 Final	Tier 4 Final Tier 3	Tier 4 Final	Tier 4 Final Tier 3
Power ISO / engine speed		115kW / 156ch @ 2100 rpm	129kW / 175ch @ 2100 rpm	139kW / 190ch @ 2100 rpm	115kW / 156ch @ 2100 rpm	140kW / 190ch @ 2100 rpm
Maximal torque / engine speed		609 Nm @ 1600 rpm	320 Nm @ 1600 rpm	609 Nm @ 1600 rpm	825 Nm @ 1600 rpm	825 Nm @ 1600 rpm
Automatic rpm management		●	●	●	●	●
Cylinders		4 in line	4 in line	5 in line	4 in line	6 in line
Engine size	(cm³)	4100	4100	5100	4100	5100
SCR catalyst		●	●	●	●	●
Transmission						
Oil tank capacity	(litres - gal US)	110 - 29	110 - 29	110 - 29	110 - 29	110 - 29
Filtration		Pressure + return	Pressure + return	Pressure + return	Pressure + return	Pressure + return
Hydrostatic transmission 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		●	●	●	●	●
Road speed 23 km/h / 13.5 mph with 4 wheels drive		●	●	●	●	●
Models		GL7.4	GL8.4	GL8.6	GXB.4	GXB.6
DATAvolution						
GPS SR-10 receiver		○	○	○	○	○
NEDomap - yield mapping system (includes NEDomax)		○	○	○	○	○
NEDomax - weighing system		○	○	○	○	○
NEDotrack - row tracing system		○	○	○	○	○

Models		GL7.4	GL8.4	GL8.6	GXB.4	GXB.6
Cab						
Central cab		●	●	●	●	●
Cab size	(m ³)	2.2	2.2	2.2	2.2	2.2
Cab glass surface	(m ²)	5	5	5	5	5
ROPS structure protection		●	●	●	●	●
CAT 4 driver protection (dust, aerosol and fumes)		○	○	○	○	○
Automatic, reversible air-to-air cooling compartment		●	●	●	●	●
2 USB plugs		●	●	●	●	●
Radio Bluetooth handsfree		●	●	●	●	●
Integrated 2 loudspeaker system		●	●	●	●	●
Pressure seat great comfort		●	●	●	●	●
Cab storage compartment		3	3	3	3	3
Steering wheel column with height adjustment and 2 pivots		●	●	●	●	●
Outside electric mirrors		●	●	●	●	●
Front, lateral and rear shades		●	●	●	●	●
Controls						
Multi-function joystick and arm rest integrated to seat		●	●	●	●	●
Multi-function and ergonomic joystick with backlighting		●	●	●	●	●
Free configuration of joystick connectors		●	●	●	●	●
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"
IOBUS compatibility		●	●	●	●	●
Advanced display on i-Monitor with reviews finger slides		●	●	●	●	●
Numerical records (hours, hectares...) with USB extraction		●	●	●	●	●
Numerical settings with USB extraction		●	●	●	●	●
EASYplot : Automatic row following system with 3D camera		○	○	○	○	○
EASYturn : steering wheels revolution reduction (EASYplot needed)		○	○	○	○	○
Visibility						
Lighter tunnel (LED)		30	18	10	10	18
Lighting power (LED)	(lumen)	18 180	18 100	18 100	18 100	18 100
Cab door sill lighting		●	●	●	●	●
Flashing light automatic activation in road mode		●	●	●	●	●
Flashing light automatic activation when tires are full		●	●	●	●	●
LED alignment system integrated to cab structure		●	●	●	●	●
2 color camera		●	●	●	●	●
EASY 360 : 360° camera (broadcasted on additional screen)		○	○	○	○	○

● : Standard
○ : Option
ND : Non Available

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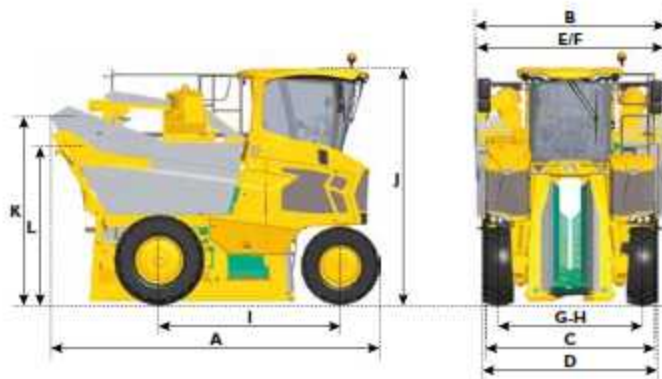
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Models	GL7.4	GL8.4	GL8.6	GXB.4	GXB.6
Harvesting module and picking head					
Quick harvesting module coupling	●	●	●	●	●
All harvesting module functions controlled from cab	●	●	●	●	●
Double production system (threshing + conveying) with automatic lock activating road mode	●	●	●	●	●
Suspended picking head (for all silencers)	●	●	●	12	12
14 shakers ARC with fan fixing FASTfit	●	●	●	●	●
AUTOpick : automatic and continuous pitch setting management	○	○	○	○	○
Scales number	2x19	2x22	2x22	2x22	2x22
Pneumatic catcher tray	●	●	●	●	●
Catcher tray length (mm)	2400	2600	2600	2600	2600
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
Beats width (mm)	320	320	320	320	320
Beats hydraulically 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	●	●	●	●	●
Chisel wood deflector	●	●	●	●	●
7 top fans	○	●	●	●	●
Secondary beats high yields (top fans version) (mm)	500	500	100	500	500
EASYclean : sorting system with oscillating fingers - 99.8% cleaning quality on bin	○	○	○	○	○
Secondary beats high yields (EASYclean version) (mm)	380	380	380	Auger	Auger
EASYclean sorting system lift up	EASYclean version	EASYclean version	EASYclean version	EASYclean version	EASYclean version
Stocking					
Large stainless steel bins capacity (t/m³/yr)	2x2000 / 2x528	2x2000 / 2x528	2x2000 / 2x528		
Notched stainless steel bins capacity (t/m³/yr)	2x1500 / 2x396	2x1500 / 2x396	2x1500 / 2x396		
Central stainless steel bins capacity (t/m³/yr)				3500 / 925	350 / 925
Bin level sensor with 1 monitor display (on 5-Monitor)	●	●	●	●	●
Drying height (m)	3	3	3	2.80	3.40
Automatic bins filling	By feeder screw	By feeder screw	By feeder screw	By chains or wiper	By chains or wiper
Access, maintenance and washing					
Centralised greasing	●	●	●	●	●
Shakers storage on rear conveyors	●	●	●	●	●
Tools box	●	●	●	●	●
Separated control box	●	●	●	●	●
Integrated washing line with water supplying on top platform	●	●	●	●	●

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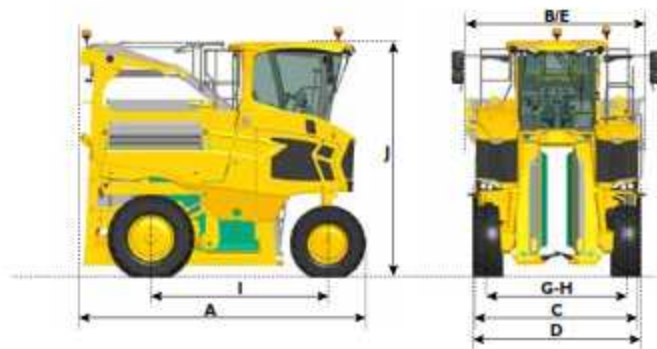
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Models	GL7.4	GLB.4	GLB.6
Front tires available	380/70 R20 (Std) 380/70 R20 (Large) 320/70 R20 (Narrow)	380/83 R24 (Std)	380/85 R24 (Std)
Rear tires available	480/70 R24 (Std) 540/65 R24 (Large) 480/80 R24 (Narrow)	480/70 R28 (Std) 540/65 R28 (Large)	480/70 R28 (Std) 540/65 R28 (Large)
A - Total length - standard / EASYclean	mm 4947 / 5225	5251 / 5531	5251 / 5531
B - Overall width	mm 3000	3000	3000
C - Width engine hood	mm 2680	2680	2680
D - Wheel width narrow / standard / large	mm 2548 / 2680 / 2820	ND / 2761 / 2837	ND / 2761 / 2837
E - Width bin to bin 4000L	mm 2943	2943	2943
F - Width bin to bin 3000L (pneumatic oil 1.5% from the ground)	mm 2625	2625	2625
G - Front track - tires narrow / standard / large	mm 1983 / 2020 / 2020	ND / 2138 / ND	ND / 2138 / ND
H - Rear track - tires narrow / standard / large	mm 2143 / 2203 / 2280	ND / 2270 / 2307	ND / 2270 / 2307
I - Wheel base	mm 2730	2876	2876
J - Total height	mm 2700	2700	2700
K - Bin height	mm 2785	2930	2930
L - Bin discharge side height	mm 2355	2500	2500

● : Standard
 ○ : Option
 ND : Non Available



Models	GXB.4	GXB.6
Front tires available	380/85 R24 (Std)	380/85 R24 (Std)
Rear tires available	480/70 R28 (Std) 540/65 R28 (Large)	480/70 R28 (Std) 540/65 R28 (Large)
A - Total length - standard / EASYclean	mm 4730/5190	4730/5190
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 narrow / standard / large	mm ND / 2138 / ND	ND / 2138 / ND
H - Rear track - tires narrow / standard / large	mm ND / 2270 / 2307	ND / 2270 / 2307
I - Wheel base	mm 2876	2876
J - Total height	mm 2700	2700

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

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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.



The use of GREGOIRE Original spare parts will limit your risk of break downs and it also optimizes your lower cost of operation.



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