



DIVERTO

WORK
WILL NEVER
BE THE
SAME

QS100 | **REV**
86 kW/115 HP | **PRO**
6100-6250 KG | **MAX**



TEAM DIVERTO	4
OUR STORY	6
THE WORLD CHANGES, CHANGE WITH IT	8
PERFORMANCE MATTERS	10
A MAN AND HIS MACHINE	12
TRANSFORM IN 60 SECONDS	14
360 UNLIMITED	16
TOTAL CONTROL	18
CLEAN PERFORMANCE ENGINE	20
EVERY SEASON IN POLE POSITION	22
EQUIPPED FOR A FERTILE SPRING	24
EQUIPPED FOR A HOT SUMMER	26
EQUIPPED FOR A ROUGH AUTUMN	28
EQUIPPED FOR A HARSH WINTER	30
PANORAMA	32
SAFE AND COMPACT	34
SIDE BY SIDE	36
FULL PROPORTIONAL CONTROL	38
HIGH QUALITY COMPONENTS	40
WORK HARD AND SMART	42
HYDRAULIC POWER	44
TRACTOR	46
EXCAVATOR	48
WHEEL LOADER	50
BOOM MOWER	52
SUPERIOR SERVICE	54
COMFORT CLASS LEVELS	56
DIVERTO STYLE OF WORKING	58
WARRANTY AND FINANCING	64
TOOL PARTNERS	66
SPECIFICATIONS	68

TEAM DIVERTO

DIVERTO STANDS FOR CHANGING DIRECTION, DARING
TO BE DIFFERENT, BEING UNLIKE ANYTHING ELSE.
THAT'S HOW WE WORK!



A changing world provides opportunities in terms of equipment solutions that are smarter and more efficient, offering unrivalled performance. At DIVERTO, we are fully committed to developing progressive machinery. We embrace taking risks to make the seemingly impossible possible. We all believe that your DIVERTO should be an absolute joy to work with, every single day of every season.

Our goal to build and market breakthrough innovations is made possible with the help of our assembly partner and co-shareholder, VDL Groep. They understand that revolutionary products demand a long-term commitment. VDL Groep focuses on the development of semi-finished and finished products, such as buses, coaches, and the production of assembly line equipment for brands like Jaguar, Land Rover, Ford and Volvo. They also assemble cars for BMW. Since its founding in 1953, this family-owned company has grown to include 82 operating companies, situated in over 18 countries, employing over 9,100 staff.

Together, DIVERTO and VDL design, engineer, manufacture and test products to the highest European quality standards. All our work is carried out in The Netherlands.

What are your needs and how can we help improve your experience? Why not contact us and discuss the options over a cup of coffee!

Enjoy the ride. Team DIVERTO.

DIVERTO

2004

- 1. Founding of Company
- 2. Winner New Venture, business plan competition for start-up ideas



2005

- 1. First prototype of folding boom
- 2. Winner, Shell Livewire, running start-up competition
- 3. Grant from the Ministry of Economic Affairs to develop folding boom technology with partners Delft University of Technology and ETEC



PATENTED
Folding Boom patent granted in Europe.

2006

Testing & optimisation of new prototypes.

PATENTED
Folding Boom patent granted in America.

2008

- 1. First design of complete machine platform
- 2. Testing and improving folding boom

PATENTED
Patent application for tool carrier platform.

2010

- 1. Construction/testing of platform prototype
- 2. GALABAU innovation medal, Nurnberg



PATENTED
Two new patent applications.

2012

- 1. Cooperation with VDL Groep
- 2. Testing of DIVERTO QS100



PATENTED
1. New patent application
2. Model rights granted DIVERTO QS100
3. Second patent on folding boom granted

THE ROAD OF BREAKTHROUGH INNOVATION

2007



Presentation of folding boom at the Bauma trade show in Munich IDEA (Gold) design Award from Industrial Designers Society of America.

PATENTED
1. Folding Boom patent granted in Asia
2. Trademark & Modelrights World Wide

2009



- 1. Grant from European Union to develop super tool carrier machine platform
- 2. Research & engineering of own platform

2011

- 1. Research & engineering for production model DIVERTO QS100
- 2. Testing of tool carrier platform

2013

- 1. Testing of DIVERTO QS100
- 2. On Road Certification of DIVERTO QS100 granted
- 3. Start production QS100

PATENTED
1. Tractor tool carrier platform patent granted
2. Four new patent applications



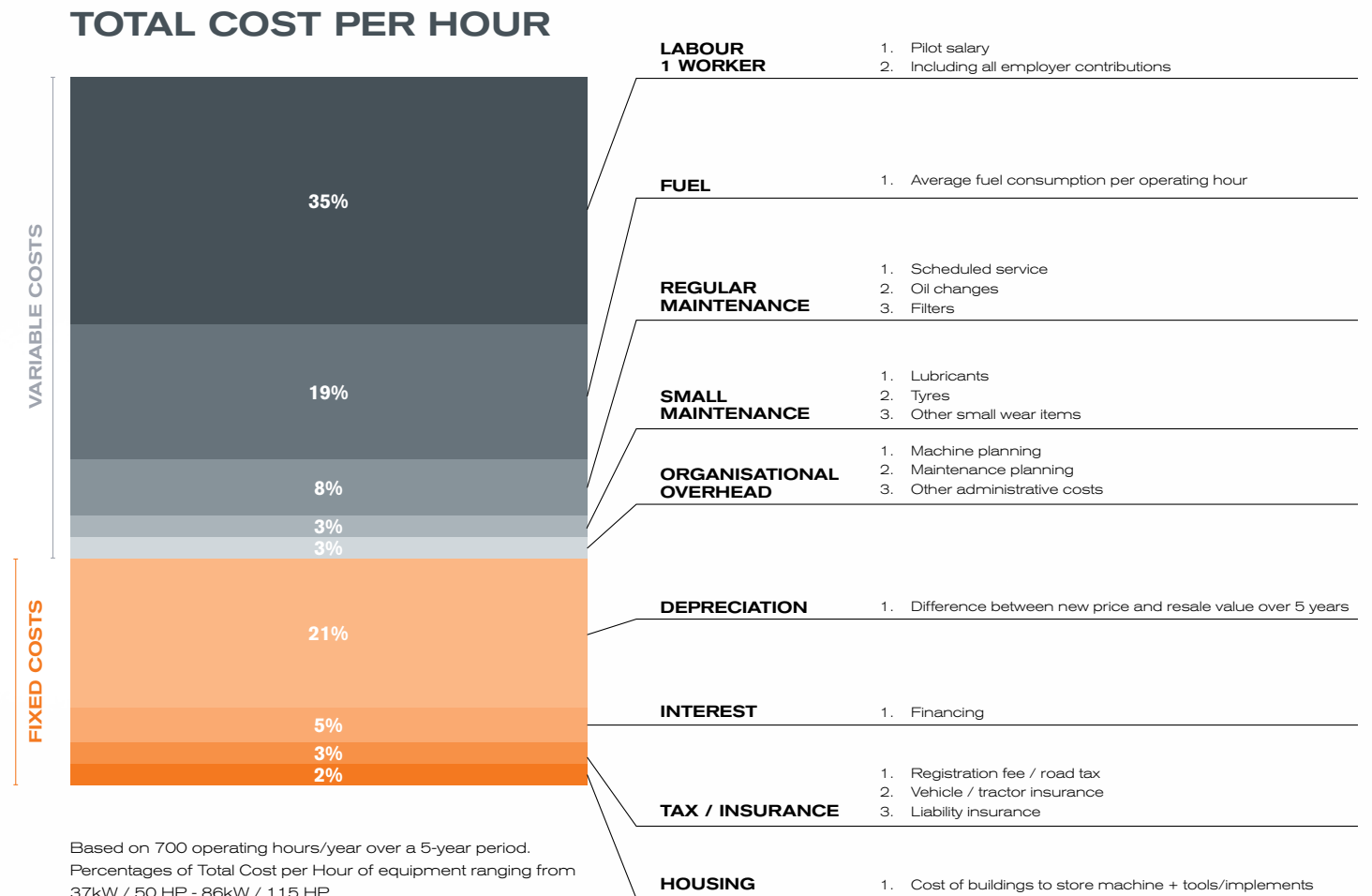
DIVERTO

THE WORLD CHANGES CHANGE WITH IT

The current economic environment challenges us to stay innovative. In these tougher times we all need to ensure that generations to come will be able to enjoy our planet. DIVERTO actively supports a cleaner environment and will continue to play a significant role by creating sustainable engineering solutions.

Tier-4 /Stage IIIB emission legislation requires extremely clean engines. This means after-treatment solutions such as Exhaust Gas Recirculation (EGR), Diesel Oxidation Catalyst (DOC), Diesel Particulate Filters (DPF), a Selective Catalytic Reduction (Ad Blue) or a combination of these. Such solutions require larger cooling packages, new on-board electronics and increased service intervals. Due to regulations, every single purpose machine or every single transport vehicle with a combustion engine becomes more expensive.

DIVERTO offers a new style of working to cope with your fixed and variable costs and to optimise your resources' output.



In general, salaries, fuel prices and other overhead costs are on the rise, and if organisations wish to remain profitable in the long run, it is imperative that we reduce variable costs, while maximising capacity utilisation to cover fixed costs.

PERFORMANCE MATTERS

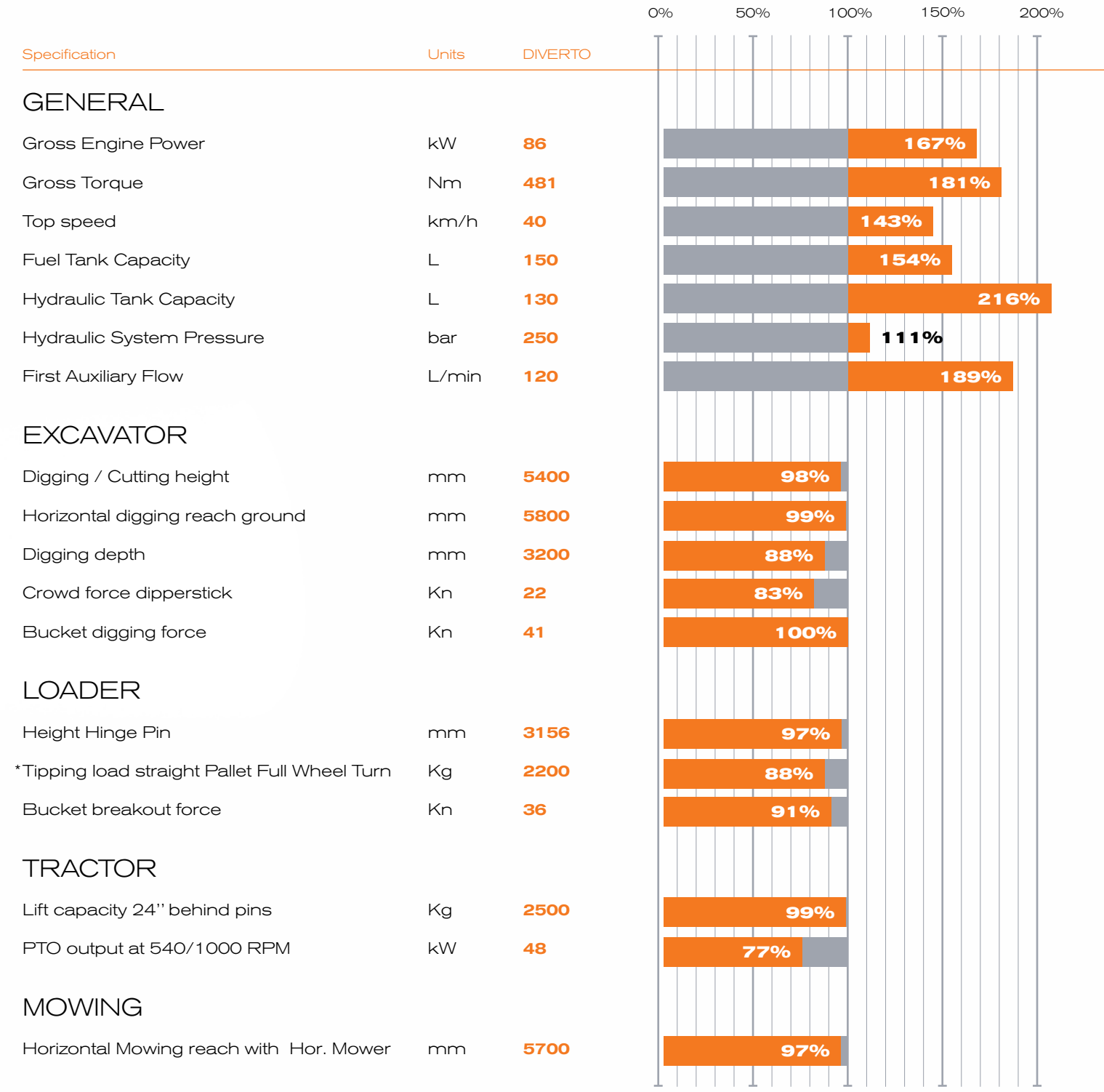
Diverto's challenge is to provide the pilot state of the art tools, facilitating smooth change from one application to another without compromising on functionality. Not bound by an existing platform, we have designed and engineered the QS100 from scratch. We have developed, tested, improved and again tested the QS100 for five years.

The basic principle is that the performance of each of the DIVERTO QS100's functions must be equivalent to the standard single purpose platforms.

In addition, the four main functions of the DIVERTO QS100 – Excavator, Loader, Tractor and Mower – must have synergy. Every component installed is used in all of its four applications.

The DIVERTO QS100 can be summarised as: on-road and off-road Mobility, Ergonomics, Compactness, Intuitive Controls and True Performance.

Note: The market averages displayed in the table on the opposite page are based on the DIVERTO QS100's market segment. The averaged data have been derived from the 2013 brochures: Hitachi Zaxis 52U, Caterpillar 305D CR, Kubota U55-4, Doosan E55W, Hyundai 55W-9, Wacker Neuson 6503, Volvo L25F, Ahlmann AS50, Kramer Allrad 480, Komatsu WA65, Bobcat S850, Fendt 210 Vario, Valtra A93 Hi Tech, John Deere 5101E Limited, John Deere 5100M, JCB 2CXS, John Deere 310K EP, McConnel PA60, Mulag MFK500, Noremat Tonica 50, Unimog U20, HIAB XS044, Palfinger PK4200.



DIVERTO MARKET AVERAGE * NOTE: with counter weight or support wheels.



ALL GENERATIONS OF PILOTS SHOULD ENJOY GREAT MACHINE OUTPUT COMBINED WITH INCREDIBLE COMFORT AND INTUITIVE CONTROLS.

THE MAN AND HIS MACHINE

We place you at the heart of the machine, giving you absolute control. Irrespective of whether you are at the controls inside the cabin, or operate the machine remotely, we have made sure that physical labour is minimised.

Once at ease with the DIVERTO QS100's functionalities, you have a platform that can be geared to your wishes by selecting different kinds of program settings and priorities. We keep on developing optional software packages to carry out ever more complex work and provide applications beyond your wildest dreams.

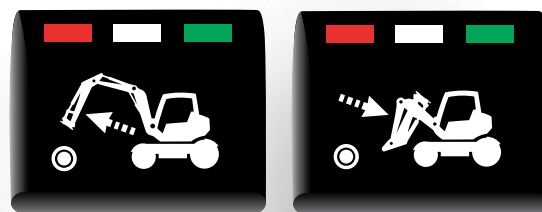
We give you the power of ultimate freedom and flexibility with unlimited possibilities, both on road and off road.

The Diverto QS100 is **certified as a regular T1 tractor**, which means that you may drive it on public roads at 40 km/h. Please check with your local authorities which type of driving licence is required in your country.

IMAGINE TRANSFORMING A DEDICATED EXCAVATOR BOOM GEOMETRY INTO A 100% WHEEL LOADER GEOMETRY IN JUST 60 SECONDS.

TRANSFORM IN 60 SECONDS

That is exactly what you get with a DIVERTO QS 100. All you need to do is press the button. Once the transformation is complete, the controls are automatically set for the mode chosen, with the proportional control that you are used to.



PATENTED

PATENTED

Triple patented by DIVERTO.

Boom construction and cylinder positions identical to standard excavators.



Loader frame and cylinder positions identical to standard wheel loaders.

A TRUE EXCAVATOR ROTATES AN UNLIMITED 360°. THIS FREEDOM OF MOVEMENT IS ALSO AVAILABLE FOR ANY TOOL YOU CONNECT TO THE QUICK COUPLER.

360° UNLIMITED

Imagine front loading or rear loading gravel, sand, or soil, and spreading or dumping it at any side. Consider a boom mower you can manoeuvre at any angle you wish. Save time moving the machine and get around corners and obstacles with great ease.

A pure excavator, boom mower and loader at 360° constitute three main functions. To arrive at Quattro functionality in a single platform, we have incorporated a pure tractor. The beauty of it all is that you have all this at your disposal, anytime and anywhere you use the three boom applications. That's what we call **Synchronisation.**



The 3-Point Hitch has standardised category II dimensions. It lifts and it floats. Any tool can be pulled while following the ground like a mower, a tiller or a stone burrier. The 3-point hitch also has a push function. By coupling a loader bucket, you can create additional stability while digging.

The Power Take-off can be set at 540 or 1000 rpm. It is powered hydrostatically, thus protecting the engine when it is providing energy to tools for high load applications.

Compared to a standard tractor, DIVERTO offers an extremely spacious cab with an air-suspended seat in two directions. You can choose which way to drive, simply by selecting the "reverse" steering switch. This gives you great forward view on any 3-point hitch tool in "reverse" steering mode while maintaining the steering logic for that direction.

All these QUATTRO SYNCHRO functionalities are exclusively patented worldwide by DIVERTO.

PATENTED

THE REMOTE CONTROL UNIT ENABLES YOU TO HANDLE ALL MACHINE MOVEMENTS WITH ANY KIND OF TOOL WITHOUT THE NEED TO STAY IN THE CABIN. CONTROLLING THE MACHINE HAS NEVER BEEN EASIER. THE UNIT IS ERGONOMICALLY DESIGNED, WITH ALL ITS FUNCTIONS IDENTICAL TO THE CABIN JOYSTICKS. EXPERIENCE A SAFER AND BETTER VIEW.

TOTAL CONTROL

Health and safety regulations are becoming increasingly stringent to protect workers from extremely demanding physical labour. Picking up and placing heavy loads is made easy using the precision remote control unit. It reduces worker fatigue and potential illness while increasing enthusiasm and motivation. A patent pending exclusive by DIVERTO.



PATENT PENDING

CLEAN PERFORMANCE ENGINE

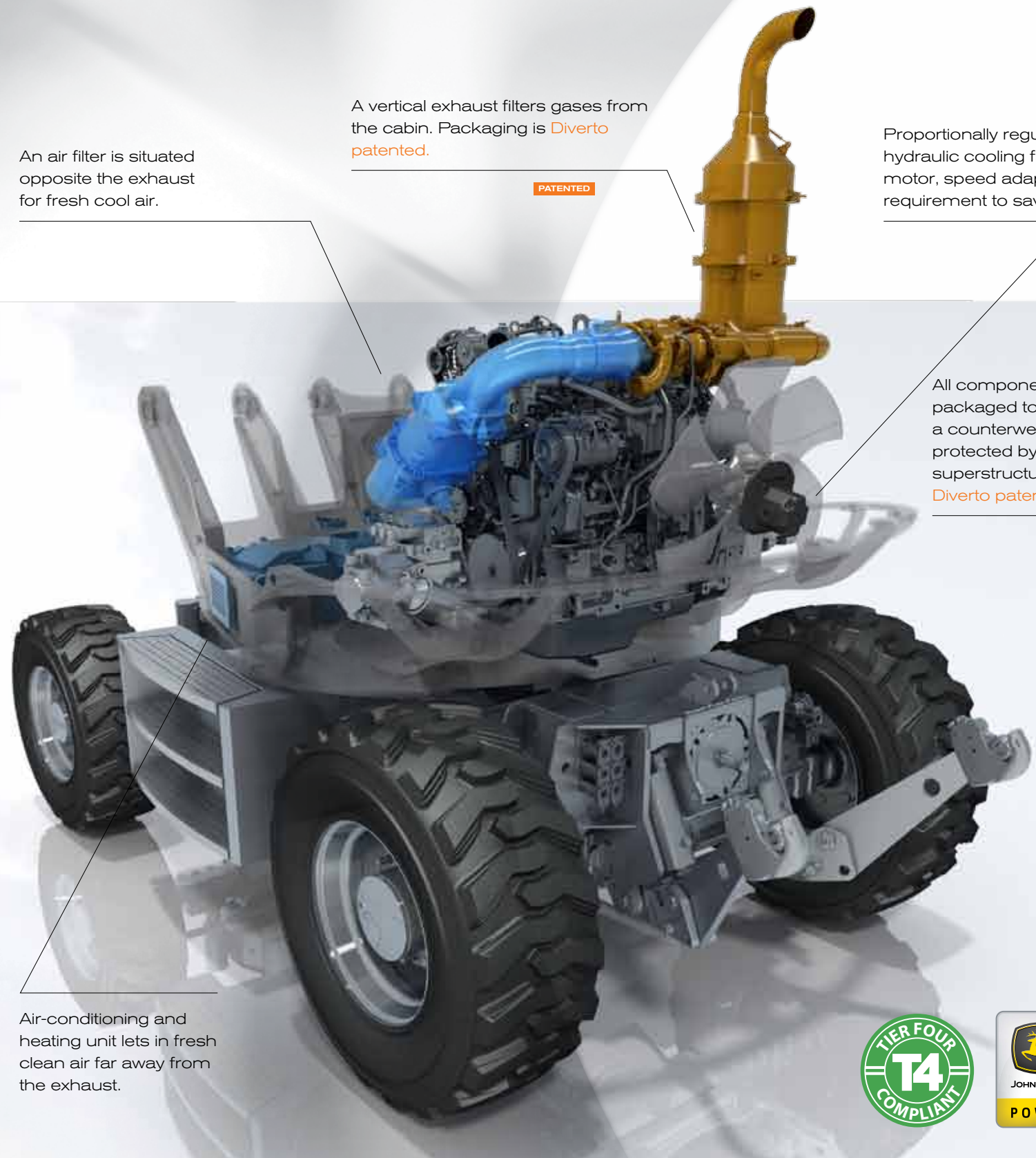
An air filter is situated opposite the exhaust for fresh cool air.

A vertical exhaust filters gases from the cabin. Packaging is **Diverto patented.**

Proportionally regulated hydraulic cooling fan motor, speed adapts to requirement to save fuel.

All components are packaged to eliminate a counterweight and protected by a strong superstructure. **Diverto patented.**

Air-conditioning and heating unit lets in fresh clean air far away from the exhaust.



PATENTED

PATENTED



John Deere Power Tech 4045 incorporating a 4-cylinder 4.5 litre T4i Turbo engine with four valves per cylinder and two balancing shafts for a visibility 115 HP/86 kW Gross power with exceptional 481Nm Torque.



Exhaust Gas Recirculation, Diesel Oxidation Catalyst and Diesel Particulate Filter reduce the Particulates (PM) of the DIVERTO QS100 by almost a factor 10 compared to engines below 74 HP/55kW. Complying with EPA and EU emission regulations, the DIVERTO QS100 is also a lot cleaner than much smaller engines in terms of NOx + HC gases. A cleaner planet means a healthier working environment for you and your colleagues.



The DIVERTO QS100 uses a patent pending pump configuration on both sides of the engine, as a result of which the engine can be mounted low, providing a low centre of gravity over the large rear tyres. In addition, all four hydraulic pumps and engine filters are in easy reach facilitating maintenance.

EVERY SEASON IN POLE POSITION

SPRING

SUMMER

AUTUMN

WINTER

GENERAL

< Power Take Off & 3-Point Hitch Available Anytime >
 < 115 HP/86 kW Power & 481 Nm Torque >

< 40 km/h Top Speed >
 < 360° Boom & Cab Rotation >

MAIN APPLICATIONS

< Wheel Loader 360° & Forklift >

< Tractor >

< Excavator & Craning 360° >

< Mowing 360° >



SPRING

SUMMER

AUTUMN

WINTER

40^{KM/H}

ON ROAD
HOMOLOGATED
TRACTOR WITH 40
KM/H TRAILERING
UP TO 5 TONS

360^o

UNLIMITED BOOM AND
CABIN ROTATION

6^M

TOTAL REACH OF 6 M

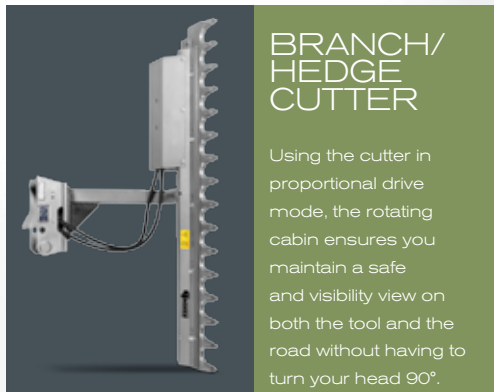


EQUIPPED FOR A FERTILE SPRING

NOW MORE THAN EVER, LANDSCAPERS ARE DEMANDING FAST AND EFFICIENT LOW-COST BASIC SOLUTIONS. IMAGINE USING ONLY ONE MACHINE FOR EVERYTHING.

You no longer need a truck and trailer to transport different single purpose machinery. You can drive the Diverto QS100 at 40km/h on public roads, carrying all the tools and materials necessary for the work at hand.

The QS100 - with just a 6.2 ton mass - is agile and exerts low ground pressure. It is ideal for parks, golf courses, ranches and farms. Simply jump in with a team of two to get the job done whenever and wherever, eliminating the need for a second vehicle or hiring additional equipment. A DIVERTO connects to just about any tool with exceptional proportional control.



BRANCH/ HEDGE CUTTER

Using the cutter in proportional drive mode, the rotating cabin ensures you maintain a safe and visibility view on both the tool and the road without having to turn your head 90°.



MOWER

Safe, visibility and efficient mowing of verges and banks is guaranteed.



GOLF COURSE MAINTENANCE

The availability of an abundance of high-performance attachments for just one Diverto QS100 makes other machines redundant.

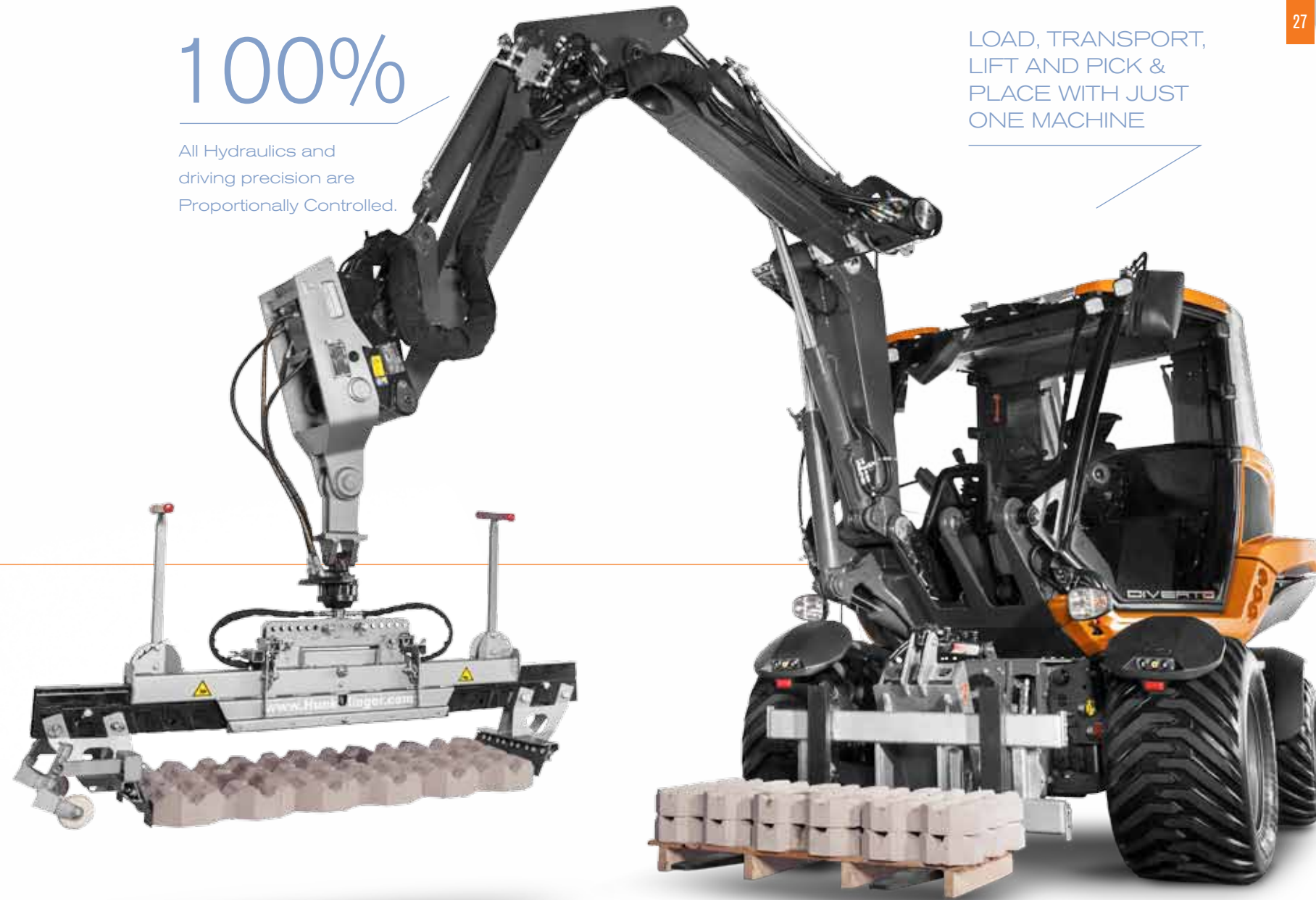




EQUIPPED FOR A HOT SUMMER

THE COMPACT SIZE OF THE QS100 ALLOWS YOU TO MANOEUVRE EASILY THROUGH DENSE URBAN AREAS.

The QS100 being legally allowed to drive at 40km/h on the public road while pulling a trailer, you no longer need large transport equipment. The extremely powerful, multi-functional and compact DIVERTO QS100 allows you to negotiate village and city streets without causing road blockage or traffic jams.



100%

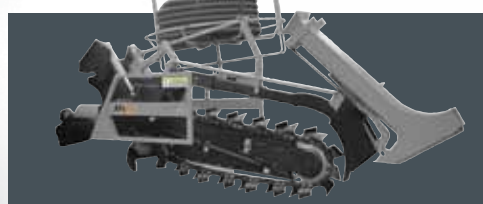
All Hydraulics and driving precision are Proportionally Controlled.

LOAD, TRANSPORT, LIFT AND PICK & PLACE WITH JUST ONE MACHINE



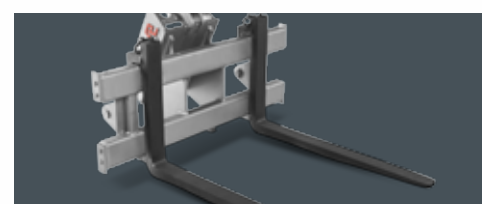
REMOTE CONTROL

You do not need to be in the cabin: you can use the remote control. This enables you to get physically close to your work ensuring more precise guiding.



TRENCHER

You can rotate the cabin at a 90° angle and drive sideways. In this position, you have a clear view of the ditch cutter and the direction ahead of you.



LIFTING PALLET FORK

All tools by DIVERTO partners for the loader function can be attached to the 3-Point Hitch. This means double functionality in two directions for synchronised combinations.

THE CATEGORY II 3-POINT HITCH LIFTS UP TO 2.5 TONS

2.5 TONS

DIRECTIONAL DRIVING

2 directional driving allows you to drive and steer in either direction with the selection switch.

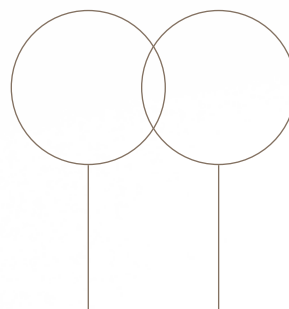
100^{HP/74KW}

NET
HYDRAULIC
POWER

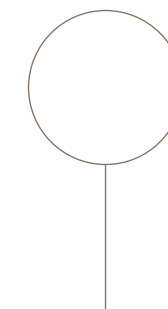


4x4

OFF-ROAD



EQUIPPED FOR A ROUGH AUTUMN



EACH TIME YOU CONNECT TWO TOOLS, YOU ARE USING THE QS100 EFFICIENTLY, ELIMINATING THE NEED FOR A SECOND MACHINE.

The 100 HP Net John Deere engine gives you enough power and torque to use many functions, such as driving, slewing, 3-point hitch, PTO and the wood clamp simultaneously. Called synchronisation.

WINCH SHIELD

If you connect the winch shield to your 3-point hitch and PTO, you will still have the unfolded arm at your disposal for a wood clamp.



REMOTE CONTROL

For superior view of the wood chipper feeder, just switch on the remote control. It will result in greater efficiency.



BLOWER & MULCHER

Enabling the use of two tools simultaneously eliminates the need for an additional machine while offering an ideal view of both tools.



* research conducted on behalf of Diverto INTERNATIONAL BV.

EQUIPPED FOR A HARSH WINTER

WINTER DEMANDS TOUGH MEASURES. THE DIVERTO QS100 GIVES YOU THE RIGHT TOOLS TO BATTLE SNOW AND ICE.

The hydrostatic driving propulsion gives you a traction of four tons. All tractor and boom hydraulics are proportionally controlled, including a boom-damping and boom-floating system, resulting in greater driving comfort.



HIGH CENTRAL SEATING FOR A SAFE AND CLEAR VIEW

40^{KN}
TRACTION FOR SNOW PLOWING OR SNOW THROWING

HYDROSTATIC DRIVE
40^{KM/H}

SALT SPREADER TRAILER

The four different kinds of coupler units, 50mm, 80mm, Clevis and Pitonfix can be used to tow any kind of trailer.



SNOW THROWER

The 3PH holds and the PTO drives the tool at 540 or 1000 RPM with 48kW. Three proportional aux flow connections with 40L/min at 200bar.



SALT SPREADER

12V connection and three proportionally controlled hydraulic auxiliary flow connections.







CLEAR VIEW,
MOBILITY,
COMPACTNESS
AND COMFORT.
DIVERTO HAS
IT ALL.

SAFE AND COMPACT

SAFETY ALL YEAR ROUND! AT 40 KM/H, ROAD VIEW IS BETTER THAN THE MARKET AVERAGE BECAUSE OF THE QS100'S RELATIVELY HIGH CENTRAL SEATING POSITION, YET THE TOTAL HEIGHT OF THE QS100 IS LESS THAN ANY OTHER ROTATING PLATFORM ON THE MARKET.

In folded transport mode, there is no engine hood and no boom kinematic system blocking your view in either the travel direction or to the sides. The large windshield and full glass doors are an industry benchmark. The small dead angle increases safety for you, your colleagues and other traffic substantially, especially in urban areas. In addition, the work and rotation mode has an exceptional short radius in comparison with similar engine power solutions.



4900 MM

2755 MM

SIDE BY SIDE

DIVERTO TAKES "PILOT COMFORT" TO A HIGHER LEVEL. THE QS100 IS CERTIFIED AS AN ON-ROAD TRACTOR FOR 2 PERSONS WITH A MAXIMUM SPEED OF 40 KM/H ON PUBLIC ROADS AND IS ROPS/FO PS APPROVED.



- 1** Industry class widest doors on either side for superior entrance and exit
- 2** Passenger seat ensures comfort for a team of two, to and from work sites
- 3** Top window can be opened, giving a view of excavator boom in top position mirrors, which can be mounted on either side
- 4** Mirrors can be mounted on either side
- 5** Sun visor protects you from low sun
- 6** Left and right tiltable consoles suspended with seat

PATENTED



FULL PROPORTIONAL CONTROL



LEFT JOYSTICK ALL CONTROLS PROPORTIONAL

- 1 Double hand safety button
- 2 Second boom section proportional
- 3 Proportional Auxiliary 3
- 4 Proportional Auxiliary 1



PILOT SEAT BY GRAMMER

- 1 Full comfort adjustable air-suspended seat with heating
- 2 Adjustable left and right consoles
- 3 Right console adjustable in height and fore/aft
- 4 Integrated seat back extension
- 5 Lumbar adjustment
- 6 Side support adjustment
- 7 Adjustable arm rests forward/back



SECOND KEYPAD

- 1 Secondary functions
- 2 Power mode switch



RIGHT JOYSTICK CENTRAL CONTROL UNIT KEY PAD 1

- 1 Proportional Auxiliary 2
- 2 Cruise Control hydrostatic drive speed
- 3 Forward/Neutral/Reverse (F/N/R)
- 4 Full colour Multi Display with PIN code
- 5 Hand Throttle
- 6 Engine Start / Stop
- 7 Proportional Boom Float
- 8 All tractor functions proportional
- 9 All wheel loader functions
- 10 All boom mower movements including slew/rotation

HIGH QUALITY COMPONENTS

DIVERTO'S STRATEGY IS TO BUILD HIGH-END MACHINE SOLUTIONS THAT BENEFIT ITS CUSTOMERS, USING STATE-OF-THE ART MANUFACTURING METHODS. THAT IS WHY ALL STRUCTURAL COMPONENTS ARE ROBOTICALLY WELDED IN THE NETHERLANDS.

The sandwich design frames result in weight reduction. Both the undercarriage and super-structure are dipped in corrosion-resistant cataphoretic zinc phosphate: high quality anti-corrosion treatment used in the automotive industry.

Our suppliers are based in Europe, Japan and America and are selected on the basis of their well-earned reputation for delivering high-quality products and services.

DIVERTO QS100 machines are assembled at the VDL Steelweld facility in Breda, the Netherlands. VDL Steelweld is a company known for building Automatic Guided Vehicles for containers, its robotic welding facilities and its assembly lines for the automotive industry, servicing key customers like BMW, Jaguar, Land Rover, Ford and Volvo. Our certificates, procedures and competences guarantee that a DIVERTO machine stands out in terms of quality and reliability.



PATENTED



WORK
HARD
AND SMART



HYDRAULIC POWER



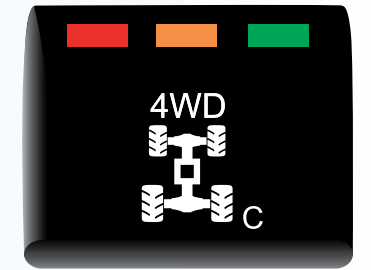
Both axles 100% Differential Lock.

Front or Rear Wheel Steering: Reverse Steering.

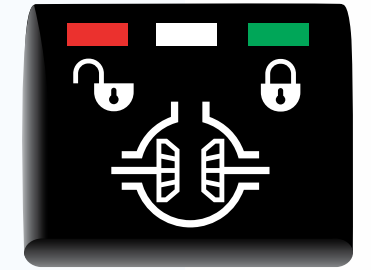
- Hydrostatic Drive: Closed Loop Full Proportional
- a. Work Drive Mode
 - b. Transport Drive Mode
 - c. Economic Drive Mode

MAIN WORK PUMP AND VALVE
Flow Sharing and Load Sensing.

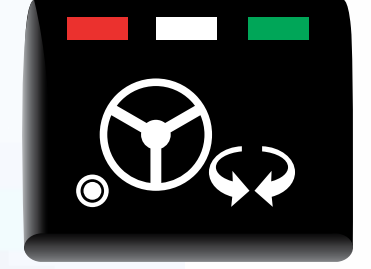
PTO PUMP AND MOTOR
2-Speed 540 & 1000 RPM PTO.



1



2



3

1. 2-Wheel & 4-Wheel Drive
2. Differential Lock
3. Reverse Steering

DIVERTO OS100 is designed for true off-road work. To save fuel, the 2-Wheel Drive Mode is used on road. For tougher terrain, you can select the 4-Wheel Drive Mode. Switch on the 100% differential lock for maximum traction. When driving in the direction of the 3-point hitch, the steering characteristics automatically adjust, preserving all comfort. Simply press Reverse Steering.

PATENTED



TRACTOR

Superior view of 3-Point Hitch and PTO during operation and connecting tools.

PATENTED

Air Brake, Hydraulic Brake, Electric 12V 7-pin and 3-pin connectors.

Top Linkage. Mechanically or Hydraulically adjustable.

Outside controls of the 3-Point Hitch and PTO for easy and safe tool coupling. **PATENT PENDING**

Up to 3x Proportional Hydraulic Auxiliary flow functions, max 40 l/min at 200 bar.

3-Point Hitch Category II with 2.5 ton lift capacity: Lift, Push and Float Function.

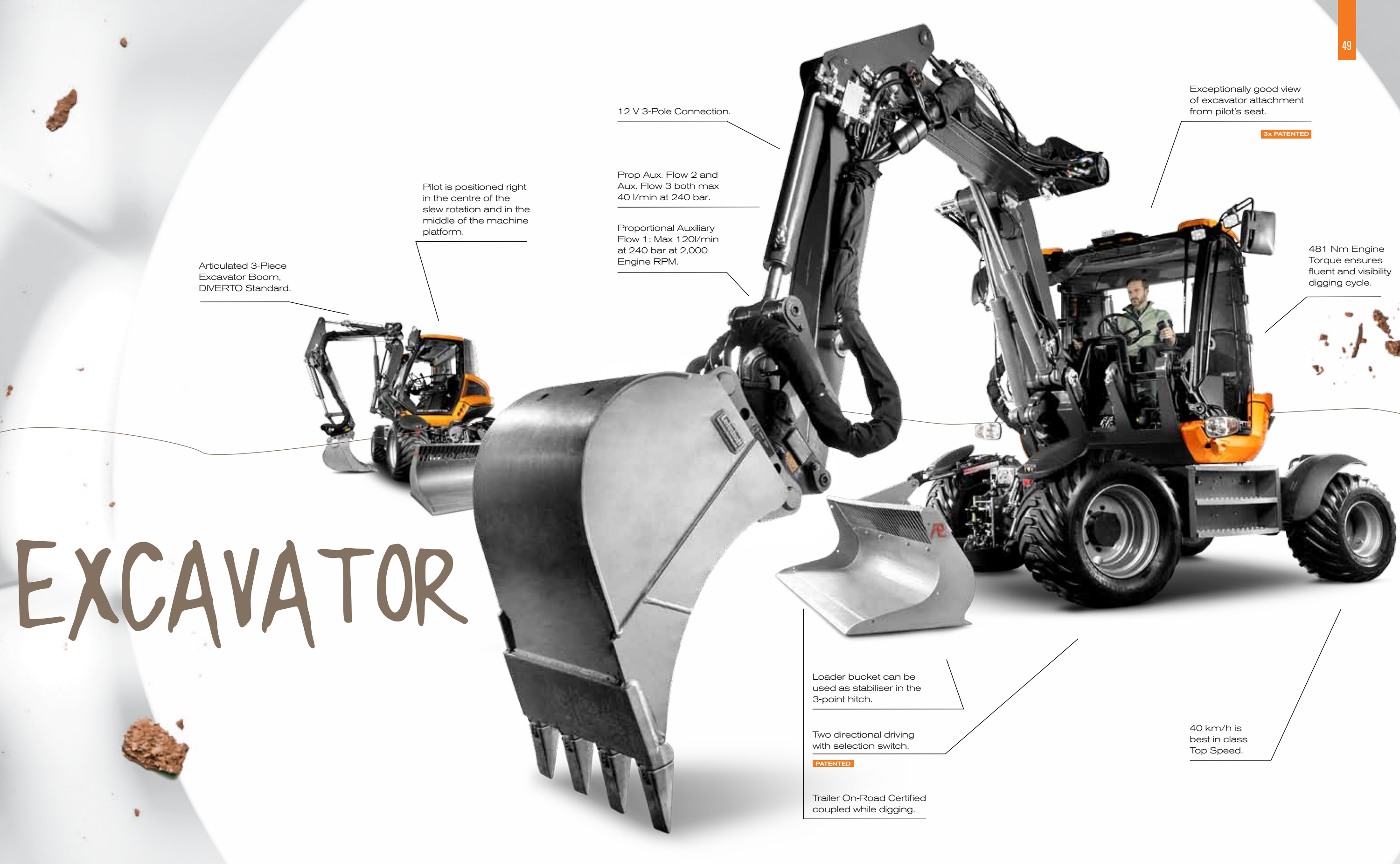
PATENTED

Scharmüller towing block, T1 certified.

PTO 48 kW / 65 HP
540 & 1000 RPM.

PATENTED





EXCAVATOR

Articulated 3-Piece Excavator Boom, DIVERTO Standard.

Pilot is positioned right in the centre of the slew rotation and in the middle of the machine platform.

12 V 3-Pole Connection.

Prop Aux. Flow 2 and Aux. Flow 3 both max 40 l/min at 240 bar.

Proportional Auxiliary Flow 1: Max 120l/min at 240 bar at 2,000 Engine RPM.

Exceptionally good view of excavator attachment from pilot's seat.

3x PATENTED

481 Nm Engine Torque ensures fluent and visibility digging cycle.

Loader bucket can be used as stabiliser in the 3-point hitch.

Two directional driving with selection switch.

PATENTED

Trailer On-Road Certified coupled while digging.

40 km/h is best in class Top Speed.

WHEEL LOADER



Central Pilot Seat
Visibility and certified
passenger space.

Loader frame can be
rotated 360°.

PATENTED

Prop Aux. Flow 2 and Aux. Flow
3 both max 40 l/min at 240 bar.

Proportional Auxiliary Flow
1: Max 120l/min at 240 bar
at 2,000 Engine RPM.

All heavy technical
components in rear,
opposite the 360° lifting
load.

Smaller wheels for Fork
Lift Steering in Reverse
Steering Mode.

PATENTED

Parallel Lift function with
selection switch.

40 kN 4 x 4
Traction Force.

2-Directional Driving
with "Reverse Steering"
switch.

PATENTED

40 km/h best in class
Top Speed. On-Road
and Trailer Certified.

BOOM MOWER

Superior view of Boom Mower and 3-Point Hitch Tool.

PATENTED

40 km/h On-Road Certified Top Speed with attached trailer.

86 kW/115 HP with 481 Nm Engine Torque ensures professional and efficient mowing.

All heavy technical components are in the rear, opposite the 360° lifting load. This results in a low total mass and more efficient fuel consumption per meter.

Proportional Auxiliary Flow 1: 120 l/min at 240 bar at 2,000 Engine RPM.

Bucket float.

Prop Aux. Flow 2 and Aux. Flow 3 both max 40 l/min at 240 bar.

Proportional Boom Float for adjustable ground pressure for mowing.

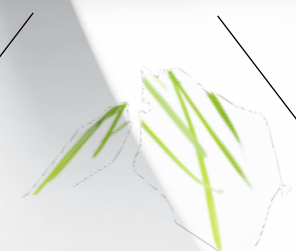
Cruise Control on Hydrostatic drive for constant mowing / ground speed.

3-Point Hitch / PTO attachment always available at Net 48 kW/65 HP.

PATENTED

2-Directional Driving with "Reverse Steering" switch. Provides more efficient and safe manoeuvring.

PATENTED



SUPERIOR SERVICE

DIVERTO has designed and engineered the QS100 platform from scratch.

Maintenance access, speed and comfort were priorities. Along the way we have developed innovative solutions and patented them. In any of the four operating modes, you simply tilt the hood for easy daily checks and filling up. For secondary maintenance the side skirts can be removed. To reach all the components, the cabin can be tilted using the hand pump. The counter-cover can be removed by loosening the 6 bolts.

An incredibly compact, easy-maintenance machine with an exceptional John Deere Tier 4i/Stage IIIB Power source.



Tilting the cabin using the 2-cylinder Hand Pump on left side takes just a few minutes including safety measures.

Left and right side covers can be easily removed for Cabin Filter and Electronics.

Left side service access for Diesel, Engine Oil Check, Cooling Fluid, Battery and Air Filter.

Cap Tilting 48° in both loader and excavator mode.

PATENTED

Engine Hood Tilting with 2m vertical clearance, also possible while 3-Point Hitch Tool is coupled.

PATENTED

Right Side Box containing all controls of the under carriage. Centralised for easy maintenance.

Counter Cover can be easily removed for exceptional access to engine and hydraulics.

PATENTED

COMFORT CLASS LEVELS

Remote control



Diesel pre-heating of cabin and engine



Air compressor/Air Brake



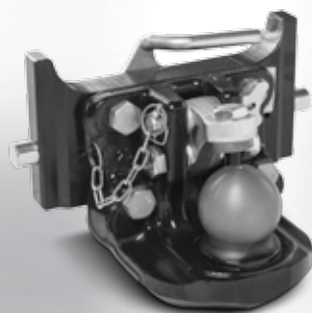
Radio - Multimedia Set - Pioneer AVIC



50 mm Ball coupler



80 mm Ball coupler



Clevis coupler



Piton-Fix



THE DIVERTO QS100 IS PRODUCED IN THREE VERSIONS, NAMELY THE REV, PRO AND MAX. ALL THREE HAVE THE SAME ENGINE CAPACITY, HYDRAULIC POWER AND FUNCTIONAL CAPABILITIES. THE REV, PRO AND MAX GENERALLY DIFFER IN COMFORT CLASS AND HYDRAULIC FUNCTIONS.

The REV version is the well-equipped basic model with an open cabin, a standard boom, bucket-float and ride control. The PRO version includes all REV features and more. Additional features include a third auxiliary 40 L/min boom flow, boom-float proportional control, reverse steering, two rear auxiliary flows of 40L/min 200 bar each, heating and air-conditioning system, outside work lights and radio. The MAX includes all REV and PRO features and comes with extras such as the remote control unit, GPS system, rear view camera, diesel pre-heating of cabin and engine, second 12V battery and a third rear auxiliary flow of 40L/min.

THE DIVERTO QS100 IS A POWERFUL MACHINE WEIGHING ONLY 6.2 TONS. THE MACHINE CAN BE EQUIPPED WITH THE FOLLOWING TYRES:

Trelleborg TWIN 404 flotation tyres are used for softer surfaces. These are ideal for landscaping, golf courses and parks.

HBI GSP+ all-road tyres are especially designed for industrial work on more solid surfaces.



DIVERTO STYLE OF WORKING

DIVERTO BELIEVES IN HONEST HARD WORK. HOURS SPENT UNDERNEATH PERFECT BLUE SKIES, BUT ALSO IN BLIZZARDS. IF YOU WORK HARD, YOU HAD BETTER WORK SMART.

All the devices and tools you take with you on the job not only perform better than before, they also truly assist you with a much wider range of applications in a very compact package, now called Apps. That's mobile! That's smart! This concept is increasingly applied in machine platforms by means of standardised attachments, quick coupler systems and tilt-rotators. It is a matter of plug and work.

DIVERTO uses this same principle and takes it to a whole new level, a new style of working. Consider the following situations, and how your resources result in output.

DIVERTO STYLE

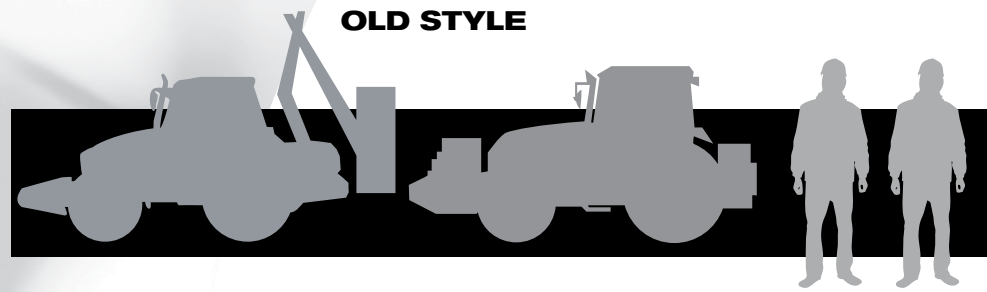
OLD STYLE



DIVERTO STYLE



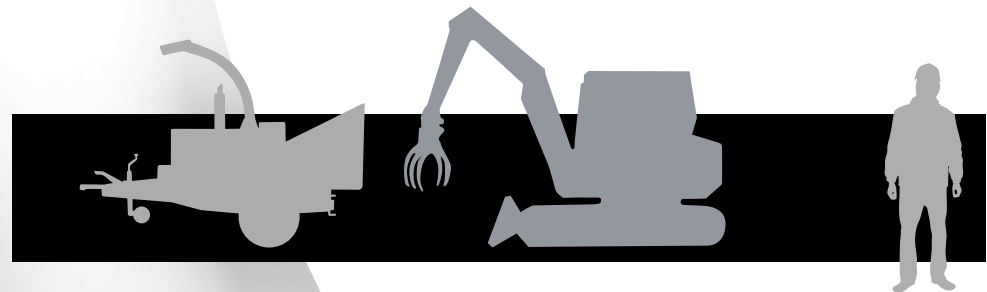
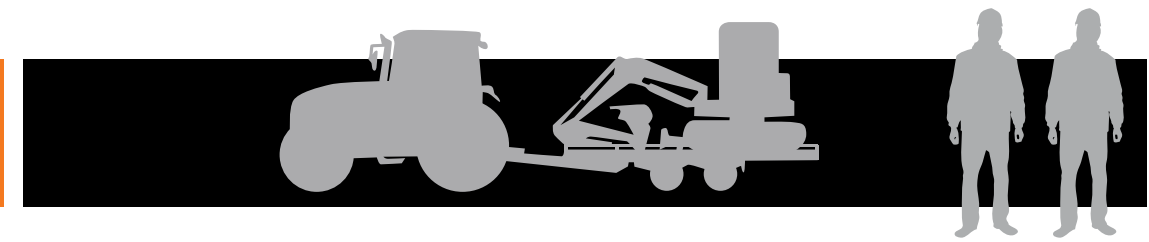
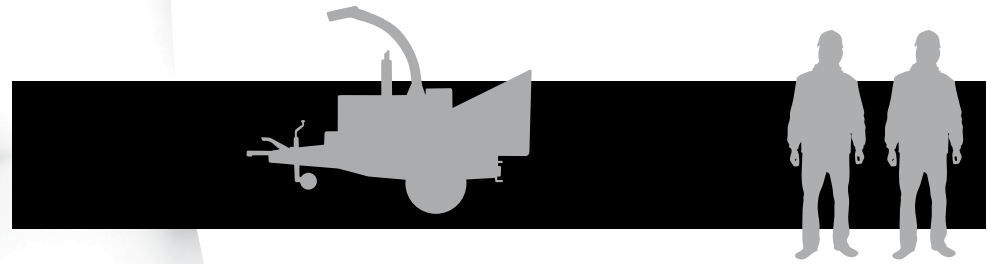
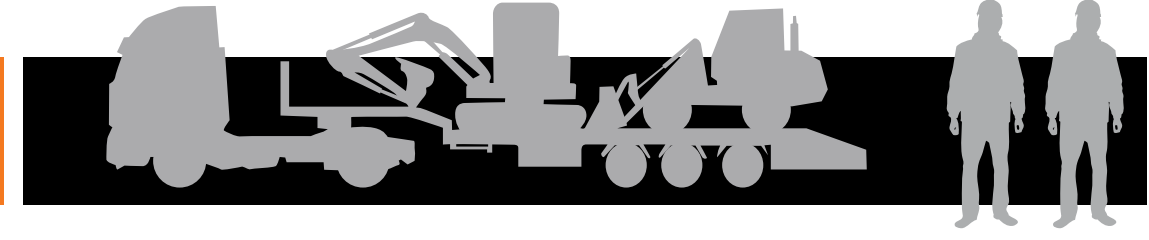
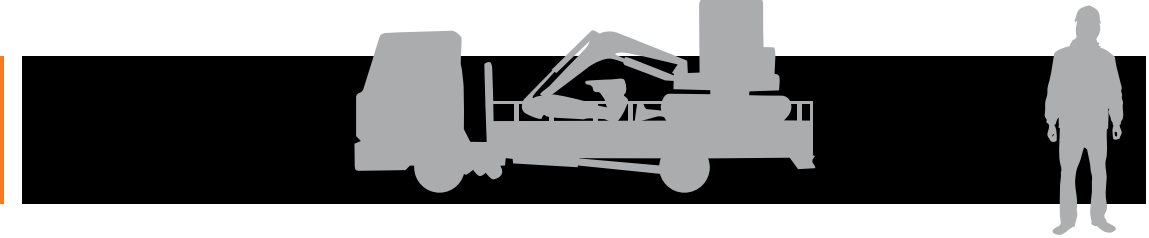
OLD STYLE



DIVERTO STYLE

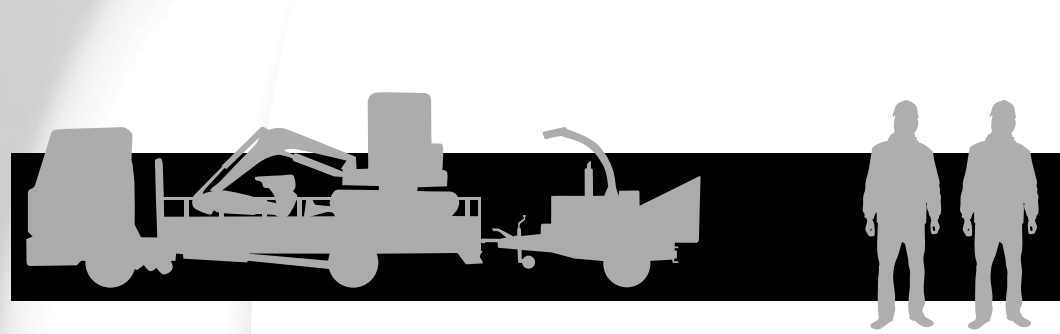
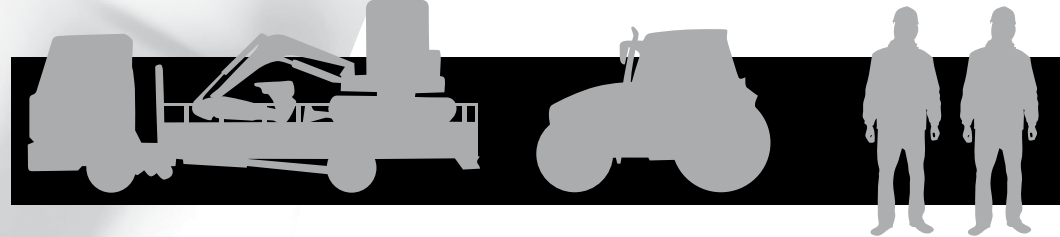
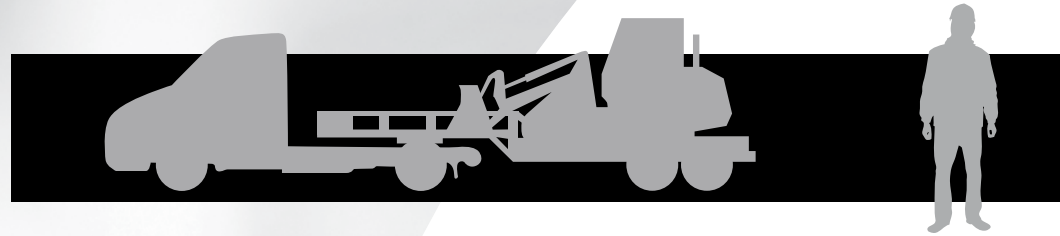


OLD STYLE



DIVERTO STYLE

OLD STYLE



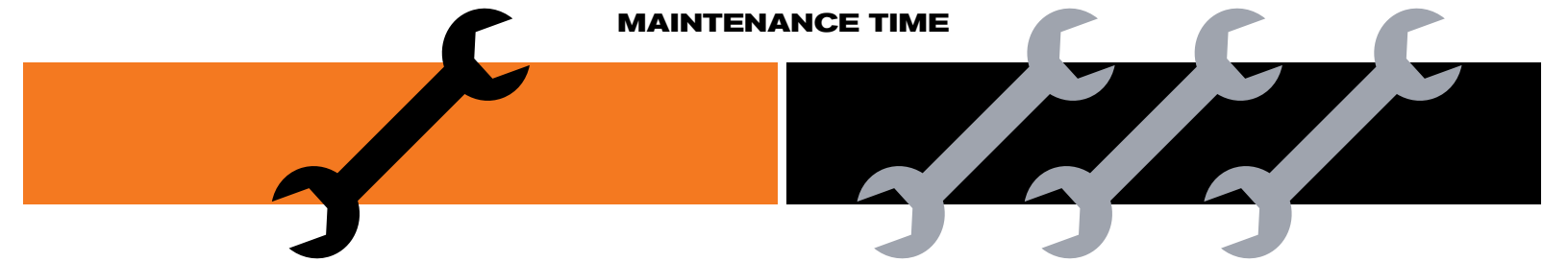
PLANNING OVERHEAD



STORAGE COSTS



MAINTENANCE TIME



CONCLUSION:

THE COST SAVINGS THAT CAN BE ACHIEVED ARE NOT LIMITED TO THE OPERATIONAL USE OF EQUIPMENT, PERSONNEL, AND MAINTENANCE. CONSIDER EFFICIENCY IN ALL AREAS: FEWER MACHINES, LESS FUEL AND FEWER TRANSPORTATION MOVEMENTS. PRESERVING NATURE AND OPTIMISING THE USE OF OUR PLANET'S RESOURCES IS PART OF DIVERTO'S DNA.

WARRANTY AND FINANCING

WARRANTY: Every DIVERTO QS100 is carefully engineered and built, using only top quality components. This is why we offer a choice of one to four-year of limited warranty periods.

FINANCING: DIVERTO is proud to announce its cooperation with De Lage Landen Financial Service (DLL). DLL, a Rabobank Groep subsidiary, is an international provider of asset financing, vendor leasing and other commercial financing products. DLL is located in over 35 countries worldwide.

THE ADVANTAGES OF LEASING A DIVERTO QS100:

- No immediate large cash out, allowing you to free up working capital.
- Certainty of equally spread costs, avoiding unforeseen cost fluctuations.
- Possible fiscal advantages of leasing. Please check this with your auditors.
- Replacement of machinery is made easier, your future demands can be met better. Such arrangements are customised.
- Approval for leasing a DIVERTO QS100 can often be given by lower level management.

Please contact your DIVERTO dealer to explore the options for leasing your own DIVERTO QS100.

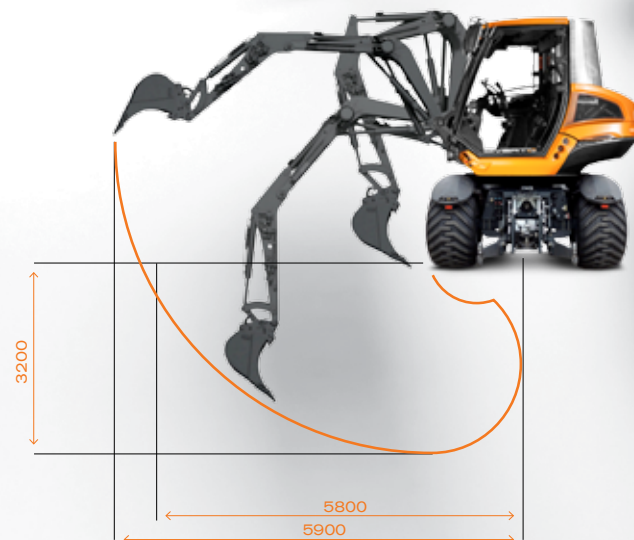
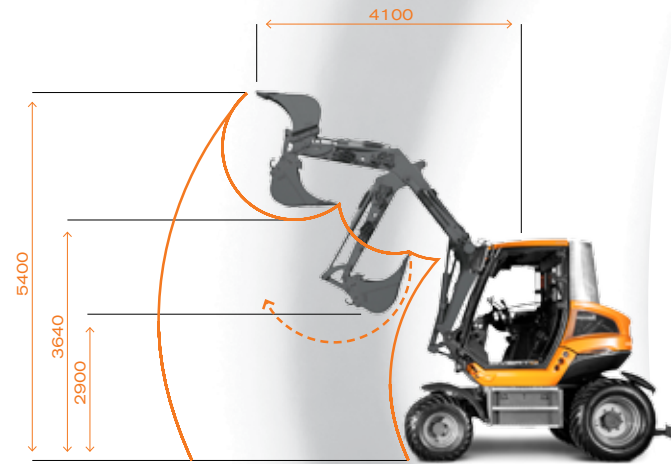
de lage landen 

SPECIFICATIONS

GENERAL				GENERAL				GENERAL				EXCAVATOR			
category	specification	Units	QS100	category	specification	Units	QS100	category	specification	Units	QS100	category	specification	Units	QS100
					Width [total]	mm	2145		Full glass doors	nr	2	Digging / Craning Geometry	Digging / Cutting height	mm	5400
Engine	Engine Mark / Type		John Deere PowerTech 4045HFC92		Width [transport]	mm	2145		Width Doors Entrance Level	mm	1100		Dump height	mm	3640
	Cylinders	nr	4		Length [total]	mm	4900		Door LEFT		Yes		Horizontal digging reach ground	mm	5800
	Valves / Cylinder	nr	4		Length [transport]	mm	4420		Door RIGHT		Yes		Digging depth	mm	3200
	Balancer Shaft	nr	2		Height [total]	mm	2770		Width Front Wind Shield	mm	1300	Capacities	Crowd force dipperstick	kN	22
	Volume	L	4,5		Height [transport]	mm	2755		Heater power (Stepless)	kW	10		Bucket digging force	kN	41
	Speed max	RPM	2200		Cabin width internal	mm	1530		Air Cond. Power (Stepless)	kW	5,2	Lift Capacities ISO 10567	Lift Cap Front - 0m High - 3m Out	kg	1892
	Gross Engine power	kW	86		Cabin height internal	mm	1445	Safety	ROPS		Yes		Lift Cap Front - 0m High - max Out	kg	1527
	Gross torque	Nm	481		Fuel Tank Capacity	L	120		FOPS		Yes		Lift Cap Front - 1m High - 2m Out	kg	4524
	Fuel consumption	g/kwh / RPM	219		Hydraulic Tank Capacity	L	130	Extras	Full colour display		Yes		Lift Cap Front - 1m High - max Out	kg	1157
	Diesel Pre-Heat (Engine/Cab)	nr	1		Hydraulic System pressure	bar	250		Remote control		Yes		Lift Cap Front - 2m High - 2m Out	kg	2888
Drive	Propulsion type		Hydrostatic 2WD / 4WD		First Auxiliary Flow	L/min	120		Rear camera		Yes		Lift Cap Front - 2m High - 3m Out	kg	1514
	Automotive drive		Yes		Second Aux.flow rate	L/min	40		Radio		Yes		Lift Cap Rear - 1m High - max Out	kg	600
	Gears	nr	2 + Crawl		Third Aux. Flow rate	L/min	40		Navigation		Yes		Lift Cap Rear - 2m High - 3m Out	kg	1423
	Top speed (1st)	Km/h	14	Cabin	Sunvisor		Yes		2-way driving Cabin		Yes		Lift Cap Side - 1m High - 2m Out	kg	3000
	Top speed (2th)	Km/h	40		Storage box		Yes		Function priority selection		Yes		Lift Cap Side - 1m high - max Out	kg	653
	Traction force Max Low Speed	Kn	39		Windscreen wiper (front)		Yes		Ball hitch		Yes		Lift Cap Side - 2m high - 2m Out	kg	2575
	Steering angle	degrees	40		Windscreen washer (front)		Yes		Towing hitch (On-road Homologated)		Yes		Lift Cap Side - 2m High - max Out	kg	783
	Turn radius	mm	5150		Openable window		Yes		Air Compressor / Tank		Yes		Boom floatation		Ja
	Angle of oscillation Total	degrees	13	Ergonomics	Air suspended seat		Yes		Air brake for trailer		Yes		Bucket floatation		Ja
Electrics	System voltage	V	12		Extra seat in cabin		Yes		Hydraulic Brake for Trailer		Yes		Adjustable boom floatation		Ja
	Alternator ampere	Amp	200		Central seat position		Yes		Quick Coupler prepared (Aux Flow Integrated)		Yes		Dozer blade floatation		Ja
Dimensions	Operating Weight	Kg	6350		Cabin noise [dB] (2009-76 EG)	dB(A)	79,5					Swing	Swing speed	RPM	10
Dimensions / capacities	Ground pressure	kPa			Outside noise [db] (2009-63 EG)	dB(A)	76						Swing lock Switch Controlled		Ja
					Adjustable steering column		Yes						Swing torque	kNm	10
													Tail over	mm	370

EXCAVATOR

category	specification	Units	QS100
Comfort	Cabin rotates with boom		Yes
	Ride control / Damping		Yes
Safety Precaution	Safety valves on ALL booms (EN 474-5)		Yes
Agricultural	3-point hitch		Yes
	PTO available		Yes

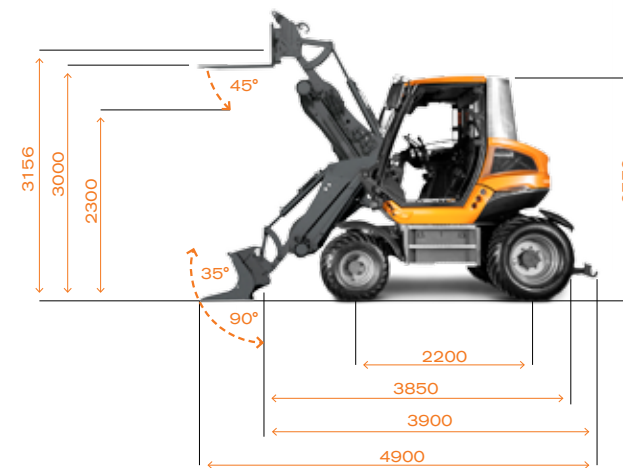


LOADER

category	specification	Units	QS100
Loading Geometry	Dump height	mm	2300
	Height hinge pin	mm	3156
	Max Stacking Height Fork	mm	3000
	Reach at max height (bucket horizontal)	mm	1300
	Reach Horizontal (Bucket Horizontal)	mm	2200
	Dump angle	degrees	45
	Rollback angle ground	degrees	35
ISO 14397-1	Tipping load straight bucket	Kg	2250
ISO 14397-1	Tipping load straight pallet	Kg	2100
ISO 14397-1	Tipping load straight bucket Full Wheel Turn	Kg	2200
ISO 14397-1	Tipping load straight pallet Full Wheel Turn	Kg	2250
	Bucket breakout force	Kn	36
	Boom floatation		Yes
	Bucket floatation		Yes
	Adjustable boom floatation		Yes
	Lift time (loaded)	sec	5,5
	Lowering time	sec	5,5
	Dump time	sec	3
	Crowd time	sec	2
	Slewing angle	degrees	360
	Slewing speed	RPM	10
	Slewing lock		Yes
	Cabin rotates with boom		Yes
	Ride control / Damping		Yes
	3PH available		Yes
	PTO available		Yes

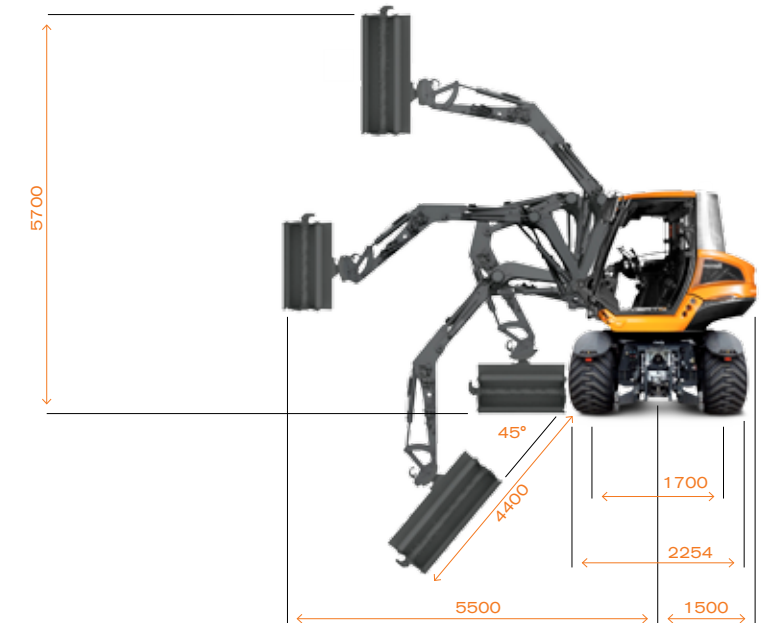
TRACTOR

category	specification	Units	QS100
3 Point-Hitch	3 Point-Hitch	Cat.	2
	Lift capacity 24" behind pins	Kg	2500
	Floating hitch		Yes
PTO	PTO output 540 RPM	kW	45
	PTO output 1000 RPM	kW	45
	Extra prop. PTO auxiliary flow 1	L/min	40
	Extra prop. PTO auxiliary flow 2	L/min	40
	Extra prop. PTO auxiliary flow 3	L/min	40
	Trailer Towing Capacity no brakes	Kg	1042
	Trailer Towing Capacity with hydraulic or air brakes	Kg	4895



MOWING

category	specification	Units	QS100
Geometry	Horizontal Mowing reach with Vertical Mower	mm	5500
	Hor. Mow reach w Hor. Mower	mm	5700
	Mowing height	mm	5700
	Mowing dept at 45°	mm	4400
Performances	Boom floatation		Yes
	Bucket floatation		Yes
	Adjustable boom floatation		Yes
	3-piece boom		Yes
Slewing	Slewing angle	degrees	360
Agricultural	3PH available		Yes
	PTO available		Yes
	Boom and Cabin Rotate		Yes
	Bucket floatation		Yes
	Boom floatation		Yes
	Boom floatation Proportional		Yes



WWW.DIVERTO.COM



DIVERTO INTERNATIONAL BV. All rights reserved. All research is conducted by DIVERTO. All statements are made under the strict supervision of DIVERTO. If any of the statements should be false or incorrect, DIVERTO may consider altering these. The claims and statements in this document are not legally binding and are subject to change. No legal obligations can be derived from this document.