

ORION K105 | L80 The future is here

Orion K105 and L80 are specialised tractors matching most advanced 'made in Pasquali' technology and top production efficiency, along with environmental care.

The electronically-operated Stage IIIB 98 and 75 HP engines comply with the strictest European standards as for emission control: a supremacy among isodiametric tractors translating into lower consumption, less toxic emissions and higher operating comfort.

Innovative technical content, elegant design and reduced overall dimensions make **Orion K105 and L80 indispensable machines for future agriculture.**



Engine

Clean power

Orion K105 tractors come with a 3.8 lt Kubota engine which develops 98 HP. Devices such as EGR (the exhaust gas recirculation system), the DOC (diesel oxidation catalyst) and the DPF (diesel particulate filter) dramatically reduce toxic substances emitted into the environment.

Orion L80 tractors have a 2.4 It Kohler engine which develops 75 HP. Turbocharged by a Turbo Intercooler, it is equipped with an EGR system alongside a DOC catalyst to reduce emissions and enhance operational efficiency.

Both latest generation Common Rail engines ensure a precise injection control, and therefore a more efficient combustion, improved performance and less fuel consumption.

Counter-rotating shafts of the engines reduce vibrations to the advantage of the heard noise and the higher operating comfort.



Electronic management

The electronically-managed engines have an electronic control unit that ensures a correct operation of the power unit and sets the revolution number, keeping it constant.

The engine rpm electronic management has been entirely developed by BCS Group; it is fast and precise, through the dashboard located at the right of the steering wheel and operates: speed increase and decrease, set speed setting and recalling, electronic governor switching off and shifting to idle speed.

ADVANTAGES

A correct setting of the speed while working means:

- steady tractor inching speed
- steady PTO revolutions
- steady hydraulic flow

and, what is more, the set speed can be recalled by simply pressing one button, thus improving work efficiency and saving time and fuel.

TECHNICAL SPECIFICATIONS	ORION K105	ORION L80
Model	Kubota V3800 CR-TE4	Kohler KDI 2504 TCR
Emission level	Stage IIIB	Stage IIIB
No. of cylinders	4	4
Intake	Turbo	Turbo Intercooler
Displacement	3769 cc	2482 cc
Injection	Direct Common Rail	Direct Common Rail
Power kW/HP	72.1 / 98	55.4 / 75.3
Rated speed	2400 rpm	2300 rpm
Maximum torque	330 Nm @1500 rpm	300 Nm @1500 rpm
Cooling	Liquid	Liquid
Balancing	Counter-rotating shafts	Counter-rotating shafts





Transmission

OS-Frame

The transmission of the Orion K105 and L80 features the exclusive OS-Frame, with many advantages.

ADVANTAGES

- Engine and clutch are reciprocally connected by a single transmission shaft that transmits movement to both transmission and independent PTO, through a single central cardan joint, guaranteeing top mechanical performance, compact dimensions and larger steering angles, indispensable while working in narrow areas.
- The coupling of engine and OS-Frame is made by an high inertia flywheel which reduces vibrations to the advantage of performance and higher operator's comfort, along with the 'Long Travel' torsional damper.
- A joint located in the center section of the tractor makes the front axle swing up to 15° with respect to the rear axle, stabilising geometry on gradients or rough grounds and guaranteeing maximum traction of the four wheels, with full grip on the ground.

Synchronised gearbox

The synchronised gearbox is formed by 4 ranges and 4 speeds, for a total of 16 ratios both in forward and reverse, with synchronised reverser.

The logic sequence of speeds (from 700 m/h to 40 km/h) - without any overlapping for all ranges - allows you to select the best gear for the required use, making the tractor's use more rational with: fuel saving, reduced stress on mechanical components, reduced engine strain and above all improved quality of work.

Pro-Act System

The clutch engaging pedal comes with the Pro-Act System, a system for a more comfortable and ergonomic movement of the foot on the pedal. The operator feels modulation more precisely.

Long life clutch

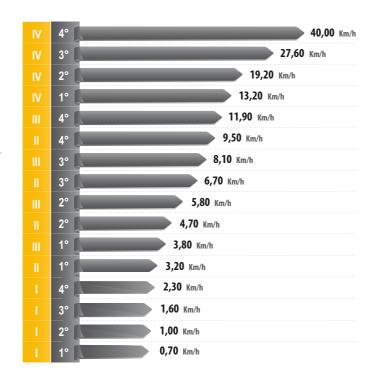
The clutch is **multiple disc in oil bath type; its hydraulic control is proportional and electronically managed.** It modules engagement and releases in a punctual way and the clutch results softer and more performing than traditional dry clutches.

The clutch is hydraulically controlled by a proportional solenoid valve connected to an electronic control unit; the latter reads the pedal position through a potentiometer and guarantees an improved progressiveness so that the operator can control the tractor more and more precisely.

Orion K105 and L80 tractors use this type of **evolved hydraulic clutch placed inside the transmission, to reduce engine projection and the tractor's length.** A technological choice bringing about concrete advantages.

ADVANTAGES

- Longer life;
- No maintenance;
- Top manoeuvrability thanks to the reduced overall dimensions.





Electrohydraulic reverser

Orion K105 and L80 transmission can be equipped with the **exclusive electronically-operated reverser, with EasyDrive® electronic handling**.

The comfortable reverser lever on the left of the steering wheel allows the operator to reverse the driving direction without lifting his hands from the steering wheel and without using the clutch pedal, while keeping the vehicle control at any time and working comfortably.

This exclusive system is based on an **electronic control unit**, fully developed and produced by the BCS Group, that can calculate in real time parameters such as sloping, acceleration and load. When the reverser is operated, the

control unit decreases the machine speed by means of the service brakes, depending on the speed and the engaged ratio, and automatically engages the reverse gear, releasing the clutch progressively. This reduces manoeuvring times and increases operating safety.

For the best feeling between you and your tractor, **the operator can modify the system reactiveness in 5 different levels**, visible on the color display of the dashboard (from the sweetest to the most reactive one), depending on the different working needs, through the two buttons located close to the lever.

The EasyDrive® electrohydraulically-operated reverser is especially **handy** and easy to use for all those works requiring many direction changes, such as greenery maintenance, material handling with fork lift, snow moving works or for movements at the headland in vineyards and orchards.

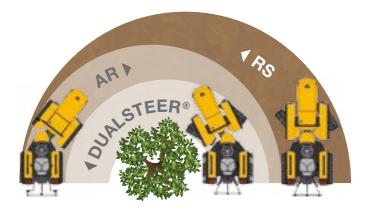
Agility

Steering

All specialised tractors must be handy to manage so that they can be operated in very narrow areas.

Orion K105 and L80 tractors have a matchless manoeuvring capacity, thanks to their short wheelbase and their compact dimensions.

The steering wheel is power assisted, through a dedicated hydraulic system. The manoeuvres are precise and the turning radiuses are very small both in models with steering wheels and in those with central articulation, and especially in Dualsteer® versions.



Dualsteer®

Dualsteer® is internationally patented and is unique on the market: it is a **double steering system joining the central joint of the frame to the steering of front wheels**, the steering angle can reach 70° .

The two hydraulic cylinders in the central joint increase both the power of steering, with high precision at extremely low speeds, and directionality and stability during road transport at high speed.

ADVANTAGES

- Safety and stability typical of steering wheel version;
- Performance while steering and manoeuvring easiness typical of version with central joint;
- · Performing on any ground, even with high gradient;
- These machines are indispensable for works in narrow vineyards, in greenhouses, gardening and greenery maintenance.



Top efficiency



Hydraulic system

The hydraulic system has **two circuits with independent pumps and heat exchanger** for oil cooling.

The pump for the power steering and electrohydraulic controls has a flow rate of 33 l/min, while that for lifts and remote control valves a flow rate of 30 l/min. An oversized system is available as optional, with lift pump with flow rate of 49 l/min.



Joystick

The new electronically-operated multifunction joystick (available as an optional) allows the hydraulic system and the lifts to be controlled at the same time through a single device; in this way, all operations involving the tractor hydraulic system can be performed safely and easily.

A numbered knob integrated in the armrest can be used to adjust the system sensitiveness

PTO and lifts

The rear PTO, with multiple-disc clutch in oil bath is **independent from the transmission and is synchronised with all progress speeds.** It can be engaged also while driving through an electrohydraulically-operated control located on the dashboard (equipped with safety system for involuntary operation); the speed is 540/540E rpm or, as an optional, 540/1000 rpm.

The **sturdy rear lift** has multipurpose fittings category 1 and 2 to fit simply and quickly all attachments available on the market. The high lifting capacity of 2300 kg increases to 2700 kg for SDT differentiated wheels versions.

Optional equipment include a rod and a hydraulic tie rod for adjusting the implement directly from the driver's seat, as well as a **performing front lift**, with hydraulic outlets, indispensable when using combined implements.





Active and passive safety

Operating safety

The use in full safety, on high gradients and crosswise, is guaranteed by the project geometry of Orion K105 and L80 tractors, featured by a low centre of gravity and the very good balancing of weights on the axles (50% at the front - 50% at the back), with implement coupled to the rear lift.

The operator's seat with approved roll-bar or cab, the safety belt secured to the seat and the quality of the materials used guarantee top protection for the operator in each and every condition.

The differential lock, simultaneous front and rear or rear only, is electrohydraulically operated and the tractor can be in traction all the time.

The disengagement of front drive, through an electrohydraulic control, improves road transfers and protects especially delicate grounds.

Braking system

The braking system is formed by four disc brakes in oil bath intervening simultaneously and continuously on all four wheels, even when the front drive is released, as they are supported by a hydrostatic control acting as braking divider.

The **independent Brake-off parking brake** is exclusive to Orion range: **it automatically engages when the engine is switched off.** When the tractor is moving an electrohydraulically-operated handy button on the dashboard is used to engage it.





Approved cabs

Comfort cab

Comfort cab creates a **good living environment in the compartment** and was designed with a streamlined silhouette to **protect the greenery rich in vegetation** the tractor is working in.

Interiors are refined and the platform is hanging on silent-blocks; it's completely independent from the tractor chassis. The cab has large windows, glass doors and sunroof giving the driver an excellent view of the equipment and road even when the driving platform is in reverse position.

Equipped with air conditioning and heating, the cab is also available with a 4-upright **conical structure** designed for use in narrow rows on steep slopes.

The four spotlights, two adjustable rear lights and two front lights built-into the roof, together with the tractor's optical units, light up the work area for safe and precise operation even at night or with low visibility conditions.

AIRTECH Compact Cab

For SDT differentiated wheel versions the new **AIRTECH Compact** cab is available, **pressurised and approved for Category 4**, insulating operator from toxic inhalation of dust, aerosol and vapours during phytosanitary treatments, for a healthy and safe working environment. The two large active carbon filters are installed at the front of the cab and are easy to replace.

An LCD display on the dashboard, well visible for the driver, allows to control the internal pressure of the cab as well as to view the indoor/outdoor temperature and ventilation speed.

The AIRTECH Compact cab **comes with a host of comforts, as standard**: air conditioning and heating, fabric seat, internal lighting, cup holder and two auxiliary sockets to charge electronic devices or to power supplementary equipment, joystick or monitor.

The ventilation system is automotive design, with **air vents in front of the operator** to guarantee ideal temperature and to direct the air flow.

The **low-profile single-body chassis**, completely independent from the tractor, is mounted on silent blocks to reduce vibrations and noise, combined with the sound-absorbing cladding materials.

The **low height off the ground** makes use under the foliage, in pergola vineyards, canopy plantations and greenhouses extremely easy.



Functional design

Overstructures

Orion K105 and L80 tractors feature an **aggressive look**, **at the same time elegant and functional**, with a muscular line that guarantees at the same time the best visibility for the operator, all this thanks to the introduction of new technological solutions and of the new power units.

In addition to the four front light clusters on front fenders, two LED beams above the hood grill increase the lighted area favouring over-night work or in case of poor visibility.

Maintenance and inspection operations of the engine compartment are quick and handy, thanks to the large opening angle of the bonnet.

All under control

The new, automotive-inspired dashboard is a concentrate of digital technology. The **multifunction colour display** continuously keeps under control - with top precision - any value of the machine and all diagnostic warning indicators of the tractor, in addition to the electrohydraulically-operated logically placed and easy traceable controls.

Analogue warning indicators are available for a quick and immediate read-out of the values, thanks to their dials.







The most complete range

To blaze a new trail, you need courage and vision, as well as experience and expertise. All these competences have always been belonging to Pasquali and now they are revolutionarily applied to the Orion K105 and L80 tractors range.

Eleven different versions of tractors, each one developed for the special requirements we are stimulated to satisfy by our customers, one day after the other.

Orion K105 | L80 AR

Reversible isodiametric tractors, with central articulation: the reference version for specialised agriculture and for city works thanks to their narrow track and reduced steering radius.

Orion K105 | L80 RS

Reversible isodiametric tractors, with steering wheels: they are the conventional version and the one that mostly fits to multifunction works, on gradients as well, thanks to its high stability and grip.

Orion K105 | L80 DUALSTEER®

Reversible isodiametric tractors, with double steering system, getting a steering angle of 70°, the best one for its category, for an agile and quick movement in narrow areas.

Orion K105 MT

Reversible isodiametric tractors, with steering wheels: they are dedicated to forage harvesting, even uphill, thanks to their low centre of gravity and to the enlarged driving place.

Orion K105 | L80 SDT RS

Tractors with short wheelbase and differentiated wheels, monodirectional: they are specially recommended both for specialised agriculture in vineyards, orchards and greenhouses and for typical works of conventional tractors.

Orion K105 | L80 SDT DUALSTEER®

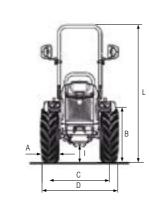
Tractors with short wheelbase and differentiated wheels, monodirectional, with double steering system: they are ideal for working on rows of crops both downhill and on side slopes.

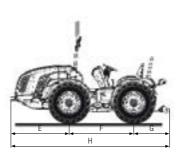
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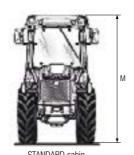
Orion AR K105 | L80

	250/80R18	11.5/80-15.3	280/70R18	320/65R18	250/85R20	300/70R20
	with adjustable rim	with fixed rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim
A Tyre width (mm)	240	290	282	320	245	286
B Tyre diameter (mm)	879	888	849	873	940	942
C Wheel track min/max (mm)	898/1112	948/972	1022/1112	1022/1112	882/1230	996/1260
D Width min/max (mm)	1138/1352	1238/1262	1304/1394	1342/1432	1127/1475	1282/1546





	320/70R20	340/65R20	31x15.50-15 XTC	31x15.50-15 STG	33x12.50-15 T413	13.6-16 Garden
	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim	with fixed rim	with fixed rim
	316	343	368	394	325	391
	975	958	800	800	843	968
C Wheel track min/max (mm)	996/1260	996/1260	1016	1016	959/965	1240
D Width min/max (mm)	1312/1576	1339/1603	1384	1410	1284/1290	1631



Dimensions Orion K105 L80 AR (mm):										
F	G	Н	l min/max	L min/max	M min/max	N min/max				
1495	932	3775	161/271	2254/2364	2070/2180	2139/2249				

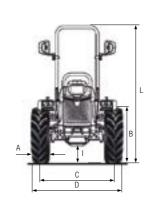


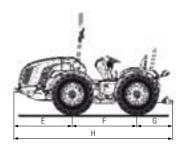
TECHNICAL FEATURES	Orion K105 AR	Orion L80 AR			
ENGINE	Kubota V3800 CR-TE4	Kohler KDI 2504 TCR			
Number of cylinders	4 in-line	4 in-line / 16 valves			
Displacement (cm³)	3,769	2,482			
Intake	Turbo	Turbo / Intercooler			
Fuel system	Direct injection "Common rail"	Direct injection "Common rail" - 2000 bar			
Emission level	Stage 3B	Stage 3B			
Balancing Power (kW/HP)	Counter-balance shafts 72.1 / 98	Counter-balance shafts 55.4 / 75.3			
Rated speed (rpm)	2,400	2,300			
Maximum torque (Nm/rpm)	330 / 1,500	300 / 1,500			
Speed management	Electronically regulated with a consolle with functions: increase and or switch off the electronic throttle	d decrease of engine speed, memorize and recall a particular speed			
Cooling	Liq				
Tank capacity (It)	5				
CHASSIS	Swinging integral chassis OS-f				
DRIVE	Four-wheel drive. Front-wheel drive dise				
TRANSMISSION	32 speeds synchronized gearbox: 16 FW				
POWER SHUTTLE EASYDRIVE® (optional) Transmission clutch	Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose fro Multidisc in oil bath electronically-managed and pr	om 5 levels of reactivity			
DIFFERENTIAL	Front and rear. Differential lock: front and rear simu	· · · · · · · · · · · · · · · · · · ·			
AXLES	Front and rear with epicyclic reduction units. Fro				
REAR PTO	Independent from the gearbox and synchronized with forwarding				
PTO clutch	Multidisc in oil bath with				
PTO rotation speed (rpm)	Standard: 540/540E -	·			
HYDRAULIC SYSTEM	Double circuit with independe				
Flow rate to the hydroguide and the electro-hydraulic controls (lt/min)	3				
Flow rate to the lift and the control valves (lt/min)		0 with flow rate 49 lt/min)			
Maximum hydraulic pressure (bar)	180				
REAR CONTROL VALVES	Mechanical control				
Standard	2 doubl	e acting			
Optional and in addition to the standard ones	1 single acting and 1 double acting or 1 double acting and 1 double acting with float				
Joystick (optional)	With proportional electronic control of lifts and control valves consisting of: 1 single acting with adjustable flow and free return, 5 double acting (replacing the standard ones) and oversized pump 49 lt/min. Potentiometer to change the sensibility of the joystick				
ELECTRIC SYSTEM	,	V - Alternator 95 A			
Rear power outlets REAR LIFT	7 pin ar Standard: by two external rams -				
Three-point hitches	Standard: standard couplers cat. 1 and 2. Opt arms with adjustable length ar	ional: quick couplings, L-shaped, cat. 1 and 2,			
Three-point tie bar	Standard: with manual adjustment - Optional: hyd	·			
Ball joint lifting capacity (kg)	2,3				
FRONT LIFT (optional)	By two external rams with front protection and	2 double acting control valves with free return			
Three-point hitches	Rigid with quick	couplings cat. 1			
Lifting capacity (kg)	86	00			
DRIVING PLATFORM	Reversible with platform suspended on silent block. S	uspended pedals mounted on rotating control column			
Steering wheel	With adjustal	ole inclination			
Seat	With gas spring for easy tipping, safety belt and 'man on board sensor'. Sta - Optional: 'Kab Seating' or				
SERVICE BRAKES	Oil bath discs with hydrostatic control, acting on the four				
Parking brake	Automatic and indipendent Brake-Off acting				
STEERING	Hydrostatic steering acting on central ar				
SAFETY	Standard: front homologated roll-bar, with				
CABIN (optional)	Homolagated and sound-proof with monocoque body fitt With ventilation, heating system and air condition	ning. Available with standard or conical structure			
	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm			
INSTRUMENT PANEL		20D10			
	250/80R18 11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 300/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC				
TYRES (standard) Optional	11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 3				
TYRES (standard)	11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 3 o STG * 33x12.50-15	300/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC			
TYRES (standard) Optional	11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 3 o STG * 33x12.50-15	800/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC F413 * 13.6-16 Garden A and front			
TYRES (standard) Optional TOW HOOKS (standard)	11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 3 o STG * 33x12.50-15 1 Rear CUN/	800/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC F413 * 13.6-16 Garden A and front			
TYRES (standard) Optional Optional Optional	11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 3 o STG * 33x12.50-15 1 Rear CUN/	800/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC F413 * 13.6-16 Garden A and front			



Orion RS K105 | L80

	340/65R18	280/70R18	320/65R18	250/85R20	300/70R20
	with adjustable rim				
	343	282	320	245	286
	899	849	873	940	942
C Wheel track min/max (mm)	1098/1538	1098/1538	1098/1538	1046/1588	1134/1618
D Width min/max (mm)	1441/1881	1380/1820	1441/1881	1291/1833	1420/1904





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	320/70R20	340/65R20	31x15.50-15 XTC	31x15.50-15 STG	13.6-16 Garden
	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim	with fixed rim
A Tyre width (mm)	316	343	368	394	391
	975	958	800	800	968
C Wheel track min/max (mm)	1134/1618	1134/1618	1260/1374	1260/1374	1240/1400
D Width	1450/1934	1477/1961	1628/1742	1654/1768	1631/1791



Dimensions Orion K105 L80 RS (mm):										
E	F	G	н	l min/max	L min/max	M min/max	N min/max			
1348	1495	932	3775	184/294	2254/2364	2070/2180	2139/2249			

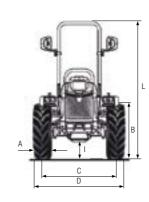


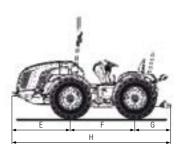
TECHNICAL FEATURES	Orion K105 RS	Orion L80 RS			
ENGINE	Kubota V3800 CR-TE4	Kohler KDI 2504 TCR			
Number of cylinders	4 in-line	4 in-line / 16 valves			
Displacement (cm ³)	3,769	2,482			
ntake	Turbo	Turbo / Intercooler			
	Direct injection "Common rail"	Direct injection "Common rail" - 2000 bar			
Emission level	Stage 3B	Stage 3B			
Balancing	Counter-balance shafts	Counter-balance shafts			
Power (kW/HP)	72.1 / 98	55.4 / 75.3			
Rated speed (rpm)	2,400	2,300			
Maximum torque (Nm/rpm)	330 / 1,500	300 / 1,500			
speed management	Electronically regulated with a consolle with functions: increase and switch off the electronic throttle a	decrease of engine speed, memorize and recall a particular speed or			
Cooling	Liq	uid			
ank capacity (It)	5	4			
CHASSIS	Swinging integral chassis OS	-FRAME with steering wheels			
DRIVE	Four-wheel drive. Front-wheel drive dise	ngagement with electro-hydraulic control			
TRANSMISSION	32 speeds synchronized gearbox: 16 FW	D and 16 REV with synchronized reverser			
POWER SHUTTLE EASYDRIVE® (optional)	Electro-hydraulic power shuttle electronically actuated with the level	r (with 3 position FWD-N-REV) installed on the left of steering wheel. om 5 levels of reactivity			
ransmission clutch	Multidisc in oil bath electronically-managed and pr	roportional hydraulic control with PRO-ACT System			
DIFFERENTIAL	Front and rear. Differential lock: front and rear simu	Itaneously or only rear with electro-hydraulic control			
XLES	Front and rear with epicyclic reduction units. Fro	ont axle, oscillating in the middle (approx. ±15°)			
EAR PTO	Independent from the gearbox and synchronized with forwarding	speed. Engageable under load with brake in disengaged position			
TO clutch	Multidisc in oil bath with	electro-hydraulic control			
PTO rotation speed (rpm)	Standard: 540/540E -	- Optional: 540/1,000			
YDRAULIC SYSTEM	Double circuit with independent pumps and heat exchanger				
low rate to the hydroguide and the electro-hydraulic controls (It/min)	33				
low rate to the lift and the control valves (It/min)	30 (optional oversized pump with flow rate 49 lt/min)				
faximum hydraulic pressure (bar)	180				
EAR CONTROL VALVES	Mechanic	eal control			
Standard	2 doubl	e actino			
optional and in addition to the standard ones	1 single acting and 1 double acting or 1 d	•			
loystick (optional)	With proportional electronic control of lifts and control valves consisting of: 1 single acting with adjustable flow and free return, 5 doubl acting (replacing the standard ones) and oversized pump 49 lt/min. Potentiometer to change the sensibility of the joystick				
ELECTRIC SYSTEM	Battery 100 Ah / 12	V - Alternator 95 A			
Rear power outlets	7 pin ar	nd 3 pin			
REAR LIFT	Standard: by two external rams -	Optional: position and draft control			
Three-point hitches	Standard: standard couplers cat. 1 and 2. Optional: quick couplings ped, cat. 1 and 2, arms with adjustable	cat. 1 and 2, arms with adjustable length or quick couplings, L-shalength and hooks with adjustable width.			
hree-point tie bar	Standard: with manual adjustment - Optional: hyd	draulically controlled upper link and tie rod link arm			
Ball joint lifting capacity (kg)	2,3	800			
RONT LIFT (optional)	By two external rams with front protection and	2 double acting control valves with free return			
hree-point hitches	Rigid with quick	couplings cat. 1			
ifting capacity (kg)	80	00			
ORIVING PLATFORM	Reversible with platform suspended on silent block. S	uspended pedals mounted on rotating control column			
teering wheel	With adjustal	ole inclination			
Seat	With gas spring for easy tipping, saf				
		er's weight - Optional: 'Kab Seating' or 'Grammer' pneumatic seat			
SERVICE BRAKES		wheels with automatic engagement of the 4-wheel drive			
Parking brake	, ,	as emergency brake with proportional action			
TEERING	, , ,	wheels. Flow deviator for steering unit			
SAFETY	Standard: front homologated roll-bar, with				
CABIN (optional)	,	le with standard or conical structure			
NSTRUMENT PANEL	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic a	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm			
	280/7	70R18			
YRES (standard)	340/65R18 * 320/65R18 * 250/85R20 * 300/70R20 * 320/70R	R20 * 340/65R20 * 31x15.50-15 XTC or STG * 13.6-16 Garden			
· · · ·	040/001110 020/001110 200/001120 000/101120 020/101				
Optional		A and front			
Optional OW HOOKS (standard)	Rear CUNA	A and front roved (Slider type) or CUNA (Slider type)			
TYRES (standard) Optional Optional WEIGHT in order of speed	Rear CUNA				
Optional Optional	Rear CUN/ Rear tow hook: EC approved or EC app	roved (Slider type) or CUNA (Slider type)			



Orion DUALSTEER® K105 | L80

	340/65R18	280/70R18	320/65R18	250/85R20	300/70R20
	with adjustable rim				
A Tyre width (mm)	343	282	320	245	286
B Tyre diameter (mm)	899	849	873	940	942
C Wheel track min/max (mm)	1098/1538	1098/1538	1098/1538	1046/1588	1134/1618
D Width min/max (mm)	1441/1881	1380/1820	1441/1881	1291/1833	1420/1904





	320/70R20	340/65R20	31x15.50-15 XTC	31x15.50-15 STG	13.6-16 Garden
	with adjustable rim				
A Tyre width (mm)	316	343	368	394	391
	975	958	800	800	968
C Wheel track min/max (mm)	1134/1618	1134/1618	1260/1374	1260/1374	1240/1400
D Width	1450/1934	1477/1961	1628/1742	1654/1768	1631/1791



Dimensions Orion K105 L80 DUALSTEER® (mm):									
Е	F	G	Н	l min/max	L min/max	M min/max	N min/max		
1348	1495	932	3775	161/271	2254/2364	2070/2180	2139/2249		

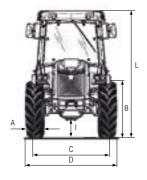


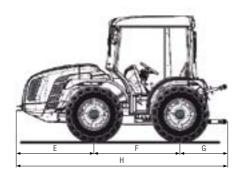
TECHNICAL FEATURES	Orion K105 DUALSTEER®	Orion L80 DUALSTEER®		
ENGINE	Kubota V3800 CR-TE4	Kohler KDI 2504 TCR		
Number of cylinders	4 in-line	4 in-line / 16 valves		
Displacement (cm ³)	3,769	2,482		
Intake	Turbo	Turbo / Intercooler		
Fuel system	Direct injection "Common rail"	Direct injection "Common rail" - 2000 bar		
Emission level	Stage 3B	Stage 3B		
Balancing	Counter-balance shafts	Counter-balance shafts		
Power (kW/HP)	72.1 / 98	55.4 / 75.3		
Rated speed (rpm)	2,400	2,300		
Maximum torque (Nm/rpm)	330 / 1,500	300 / 1,500		
Speed management	Electronically regulated with a consolle with functions: increase and or switch off the electronic throttle			
Cooling	Liqu	uid		
Tank capacity (It)	54	4		
CHASSIS	Swinging integral chassis OS-FRAME with	n central articulation and steering wheels		
DRIVE	Four-wheel drive. Front-wheel drive diser	gagement with electro-hydraulic control		
TRANSMISSION	32 speeds synchronized gearbox: 16 FWE	and 16 REV with synchronized reverser		
POWER SHUTTLE EASYDRIVE® (optional)	Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose fro			
Transmission clutch	Multidisc in oil bath electronically-managed and pr	oportional hydraulic control with PRO-ACT System		
DIFFERENTIAL	Front and rear. Differential lock: front and rear simul	· · · ·		
AXLES	Front and rear with epicyclic reduction units. Fro	nt axle, oscillating in the middle (approx. ±15°)		
REAR PTO	Independent from the gearbox and synchronized with forwarding	speed. Engageable under load with brake in disengaged position		
PTO clutch	Multidisc in oil bath with			
PTO rotation speed (rpm)	Standard: 540/540E -	Optional: 540/1,000		
HYDRAULIC SYSTEM	Double circuit with independer			
Flow rate to the hydroguide and the electro-hydraulic controls (lt/min)	33			
Flow rate to the lift and the control valves (lt/min)	30 (optional oversized pump with flow rate 49 lt/min)			
Maximum hydraulic pressure (bar)	180			
REAR CONTROL VALVES	Mechanical control			
Standard	2 double	<u> </u>		
Optional and in addition to the standard ones	1 single acting and 1 double acting or 1 do			
Joystick (optional)	With proportional electronic control of lifts and control valves co			
ELECTRIC SYSTEM	5 double acting (replacing the standard ones) and oversized pump 49 lt/min. Potentiometer to change the sensibility of the joystic Battery 100 Ah / 12 V - Alternator 95 A			
Rear power outlets	7 pin and 3 pin			
REAR LIFT	Standard: by two external rams - Optional: position and draft control			
Three-point hitches	Standard: standard couplers cat. 1 and 2. Optional: quick couplin			
Three-point tile bar	L-shaped, cat. 1 and 2, arms with adjustate Standard: with manual adjustment - Optional: hyd	· · · · · · · · · · · · · · · · · · ·		
Ball joint lifting capacity (kg)	2,3			
FRONT LIFT (optional)	By two external rams with front protection and			
Three-point hitches	Rigid with quick	· · · · · · · · · · · · · · · · · · ·		
Lifting capacity (kg)	80			
DRIVING PLATFORM	Reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column			
Steering wheel	With adjustable inclination			
Seat	With gas spring for easy tipping, safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Kab Seating' or 'Grammer' pneumat			
SERVICE BRAKES	Oil bath discs with hydrostatic control, acting on the four	• • • • • • • • • • • • • • • • • • • •		
Parking brake	Automatic and indipendent Brake-Off acting as emergency brake with proportional action			
STEERING	Double steering system DUALSTEER® with 4-cylinders. Hydrostatic steering acting on front wheels and central articulation. Flow deviator for steering unit			
SAFETY	Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting			
CABIN (optional)	Homolagated and sound-proof with monocoque body fitte With ventilation, heating system and air condition	ed on silent-block, beacon lamp and fabric covered seat.		
INSTRUMENT PANEL	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm		
TYRES (standard)	280/7	OR18		
Optional	340/65R18 * 320/65R18 * 250/85R20 * 300/70R20 * 320/70R			
TOW HOOKS (standard)	Rear CUNA			
Optional	Rear tow hook: EC approved or EC appr	ovea (Silder type) or CUNA (Slider type)		
WEIGHT in order of speed	0.450	2.000		
With roll-bar (kg)	2,450	2,380		
MPIL P (L.)	0.500	0.510		
With cabin (kg) OPTIONAL	2,580 Front bumper, Beacon lamp, Front weight, We	2,510		



Orion MT K105

ı	31x15.50-15	31x15.50-15	440/50R17	425/55R17	340/65R20
	with	STG with	ALL GROUND with	AC70G with	with
A	fixed rim	fixed rim	fixed rim	fixed rim	adjustable rim
Tyre width (mm)	368	394	431	430	343
B Tyre diameter (mm)	800	800	873	884	958
C Wheel track min/max (mm)	1510	1510	1476	1476	1354/1618
D Width min/max (mm)	1878	1904	1907	1906	1697/1961





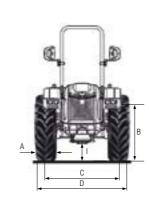
Dimensions Orion K105 MT (mm):						
E	F	G	н	l min/max	L min/max	
1348	1495	932	3775	184/294	2070/2180	

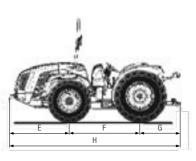
PRIVATE STATE OF THE PROPERTY	TECHNICAL FEATURES	Outon M405 NT
Name of Updates Name o	TECHNICAL FEATURES	Orion K105 MT
Displacement (pror) Intelled Indices I	ENGINE	Kubota V3800 CR-TE4
Indicate the first against the	Number of cylinders	4 in-line
Direct rejection "Common on I" First book to 1 Sign 15 Billiancia (Course Indiana volume Financia (Course Indiana Financia (Course Indiana volume Financia (Course Indiana Financia (Course Indiana volume Financia (Course Indiana Financia (Course I	Displacement (cm³)	3,769
Entables loved Basemany Course Medium Course Med	Intake	Turbo
Namening Country College with 1 2.2 of 150 Rest doubted from 1 2.00 Seed management Pectorically regulated with a crossle with furthers. Increase and decrease of ergoin great, country and rest a particular operation of an activation of the electronic benefits and go of the management of a cross of the particular of the electronic benefits and go of the management of a cross of the particular of the electronic benefits and go of the management of a cross of the electronic benefits and go of the management of the electronic benefits and go of the management of the electronic benefits and go of the electroni	Fuel system	Direct injection "Common rail"
Protect (MIP) 12.4 T/08 Meanum tribugal plantipors) Electronically regulated with a console with function increase and decrease and engages appeal, memoraris and regulated peals and post the internum risk appeal for many file particular speed or subshift off the electronic brother and up to the internum risk appeal for many file particular speed or subshift off the electronic brother and up to the internum risk appeal for many file particular speed or subshift off the electronic brother and up to the internum risk appeal for many file particular speed or subshift off the electronic brother and up to the internum risk appeal for many file particular speed or subshift off the electronic brother and up to the internum risk appeal for many file particular speed or subshift of the electronic brother and up to the internum risk appeal for many file particular speed of the electronic particular speed of the electroni	Emission level	Stage 3B
Related general (1909) Related general (1909) Report consequence (1909) Report consequence (1909) Report consequence (1909) Related general (1909	Balancing	Counter-balance shafts
Meaninum longue Pelviyani South resignated company Electrorically regulated with a company will functions increase and decreases of empirica spacet, mencratic and rocal is particular space of present and control and age to the minimum dise speed Take spaced (II) An offer International (III) For any integral closure prefiler with his proper formation and rate of noted as increase Chassiss Source prefiler with his properties of the section of rate and rocal as increase Chassiss For any integral closure of FTPAME with Selecting wheles Pour historical properties of the section	Power (kW/HP)	72.1 / 98
Special management of the process with processor and processor of country opportunity and processor and record a particular spoot or south of the electron formation and post but never with solid particular spoot or south of the electron formation and post but never with solid particular spoot or south of the electron formation and post but never with solid particular spoot of the post of	Rated speed (rpm)	2,400
Cooking This cognotive (I) This cognotive (I) The filter Provided by Cooking The Cooking (I) The Cooki	Maximum torque (Nm/rpm)	330 / 1,500
The country (f) 5-6 14 16 16 16 16 16 16 1	Speed management	Electronically regulated with a consolle with functions: increase and decrease of engine speed, memorize and recall a particular speed or switch off the electronic throttle and go to the minimum idle speed
Interface Integrated spices prefilter with high-participations and froor air intible Pour-wheel does Front-wheel does (Despingament with electro-hip-dails) Pour-wheel does (Front-wheel does (Despingament with electro-hip-dails) TRANSSISSION 22 speeds spiciferialized gearbor, 16 PM) and 16 EM with spiciferialized contrage of PMP-WERT profitation contrage of PMP-WERT profitation of the spice with spice and spice of the spice with the spice with breaker in the spice and spice of the spice with the spice with breaker in dispersation spice of the spice and spice of the spice and spice with spice and spice of the spice and spice and spice of the spice and	Cooling	Liquid
DRASSIS Singling integral chains in ST-RAME will submit you whents Four-wheld dise. Front-wheld dise of St-RAME will submit you whents Four-wheld dise. Front-wheld dise diseagement with electric-hydraulic control 22 spools synthroused guartice. 16 PKD will synthroused ownsure PROME SMITTLE EASTORM** (cotions) Bectire hydraulic power shallow decisionally actuated with the level field 3 passion PRVA PKD) installed on the list of a local field. Martidia on in all that of a cotte field of actually installed on the list of a local field. Martidia on in all that of a real shallowing and a real service control of a real shall proportion of the gestion and shall real shall proportion of the gestion and shall real shall proportion of the gestion and shall real shall be decided by the shall be decided by	Tank capacity (It)	54
DRASSIS Singling integral chains in ST-RAME will submit you whents Four-wheld dise. Front-wheld dise of St-RAME will submit you whents Four-wheld dise. Front-wheld dise diseagement with electric-hydraulic control 22 spools synthroused guartice. 16 PKD will synthroused ownsure PROME SMITTLE EASTORM** (cotions) Bectire hydraulic power shallow decisionally actuated with the level field 3 passion PRVA PKD) installed on the list of a local field. Martidia on in all that of a cotte field of actually installed on the list of a local field. Martidia on in all that of a real shallowing and a real service control of a real shall proportion of the gestion and shall real shall proportion of the gestion and shall real shall proportion of the gestion and shall real shall be decided by the shall be decided by	Air filter	Integrated cyclone prefilter with high-performance air filter and front air intake
Four-wheel drive. Front-wheel drive. Front-wheel drive. Environmental execution (Sing speeds) and send on the establishment of RFV with spectroment revenue. Powers SHUTTLE EASYDNIVE* (spinorsal) Dectin-hydrausic power shuttle electronically actuated with the lever year 30 postor PADA-Hydrausic control interest of section (spinorsal) Multidos in oil beth electronically-invested on the left of secting wheel prostor PADA-Hydrausic control with PRO-ACT System Multidos in oil beth electronically-invested and reproductive hydrausic control with PRO-ACT System DIFFERENTIAL Front and reco. Differential back, front and or simultaneously or only with lector hydrausic control ALLES Front and reco. Differential back, front and or simultaneously or only with lector hydrausic control ALLES Front and reco. Differential back front and or simultaneously or only with lector hydrausic control of PRO-ACT System PRO-ACT System Front and reco. Differential back front and or simultaneously or only with lector hydrausic control of PRO-ACT System PRO-ACT System Sandard 5-Fort 1,000 - Optionals 5-M054-06 With PRO-ACT System Double closurt with individual principle and and with trade in disarraged position. PRO-ACT System Double closurt with individual principle and the exchanges Bertal to be highly adapted and the exchanges PRO-ACT System And System Andread	CHASSIS	
Power and to the flat and control where the physical control (PND and 16 REV with synchronized reversor provided precision) Rectin-hydraulic power shuttler electronizedly analysts for closer team for least of reacting in the server (with 5 position PND 4-REV) installed on the last of stearing when remains on clutch		
Electro-hydraulic power shuttle electronically actuated with the livery full. 3 position PND 3 PPO) interest process of the little of shooring white	TRANSMISSION	
Multidise in all bath electronically-managed and proportional hydraulic control with PRO-ACT System	POWER SHUTTLE EASYDRIVE® (optional)	Electro-hydraulic power shuttle electronically actuated with the lever (with 3 position FWD-N-REV) installed on the left of steering wheel.
DIFFERENTIAL Front and rear. Differential lock: front and rear simultaneously or only roar with electric hydraulic centric of RALES Front and rear with epipoise reduction units. Front adv. good collisting in the middle (exprov. ±15°) headers of the RALES TO Independent from the gearbox and spurchased with forwarding speed. Engagased und with strake in disengaged position. Multidisc in all bath with electro-hydraulic control with traviale in disengaged position. Multidisc in all bath with electro-hydraulic control (Proceedings) Providence of the time of the hydrogalds and the electro-hydraulic control (Minnigh) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and the control valves (Princip) River also the filt and control valves (Princip) (Princip) River also the filt and control valves (Princip) (Princip) River also the filt and control of filts and control valves condisting of 1 single acting without five return and 3 double acting (replacing and 2 double acting on 1 single acting without five return and 3 double acting (replacing and 2 double acting on 1 single acting without five return and 3 double acting (replacing and control of filts and control valves counting of 1 single acting without five return and 3 double acting (Princip) (Princip) River and 3 double acting (Princip) (Princip) River and 3 double acting (Princip) (Princip) (Princip) (Princip) (Princip) (Princip) (Princi	Transmission clutch	
REAR PTO Independent from the gastriux and sprictrorited with thowarding speed, Engageable under load with trails in disengaged position PTO clutch PTO clutch PTO relation speed (print) Standard 5407,000 - Optional better bydrapidac control of with trails in in disengaged position PTO relation speed (print) Standard 5407,000 - Optional 54005406 Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic controls (filmin) Proversals to the hydroguide and the electro-hydraulic control (filmin) Proversals to the standard ones PREAR CONTROL VALVES PROVED AND AND AND AND AND AND AND AND AND AN		
Independent from the geathor and synchronized with forwarding speed. Engageable under load with brake in disengaged position Multidos in oil both with electro-hydraulic control Pro relation speed (grm) Standards-15-07, 000 - Optional-Sport/000 - Optional-Sport/0000 - Optional-Sport/0000 - Optional-Sport/0000 - Optional-Sport/0000 - Optional		
PTO clutch Multidice in oil bath with electro hydraulic control Sandard 56071,000 - Optional: 540/540E Provate to the hydroguide and the electro-hydraulic controls (pfinin) Bow rate to the hydroguide and the electro-hydraulic controls (pfinin) Bow rate to the hydroguide and the electro-hydraulic controls (pfinin) Bow rate to the hydroguide and the electro-hydraulic controls (pfinin) Bow rate to the hydroguide and the electro-hydraulic controls (pfinin) Bear CONTROL VALVES Mechanical control Mechanical control Bear Control Lower Sandard Order 1 single acting and 2 double acting Optional and in addition to the standard ones 1 single acting and 2 double acting or 1 double acting with float With proportional electronic control of lifes and control valves consisting of 1 single acting without free return and 3 double acting (replacing the standard ones). Performenter to change the sensibility of the joystick (pritorial) Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Rear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pea		
PTO rotation speed (pm) PHORAULE STEM Bouble circuit with independent pumps and heat exchanger Row rate to the lift and the control valves (pt/min) 30 Refer not to the lift and the control valves (pt/min) REAR CONTROL VALVES Refer control valves consisting of: 1 single acting and 2 coloube acting 1 coloube acting 2 colo		
HYDRAULIC SYSTEM Double circuit with independent pumps and heat exchanger There are to the first office or the control expense from the expension of the standard ones. 1 single exting and 2 double acting ort floatible acting ort double acting ort floatible acting forgland the standard ones. Floatible floating ort is single acting without free return and 9 double acting proplacing the standard ones. Floatible expense the acting without free return and 9 double acting proplacing the standard ones. Floatible expense and Dusl Floating System* REAR LIFT By four external rams with hydraulic suspension and Dusl Floating System* Three-point histohes REAR LIFT Quick couplings. L-shaped, car. 1 and 2, arms with adjustable length and holes with adjustable width Three-point histohes Explicately floating capacity (eg) By two external rams with hydraulic suspension and Dusl Floating System* REAR LIFT (potions) By two external rams with proportional proplacing breath and the control valves with free return Three-point histohes Rigid within quick couplings act. 1 Lifting capacity (eg) By two external rams with proportional proplace and acting control valves with free return Three-point histohes Rigid within quick couplings act. 1 Lifting capacity (eg) Bourself or easy tipping, safely belt		
Flow rate to the hydroguide and the electro-hydraulic controls (Mmin) Flow rate to the lift and the control valves (Mmin) REAR CONTROL VALVES Mechanical control 1 single acting and 2 double acting of polygonial and addition to the standard ones 1 single acting and 2 double acting of polygonial and addition to the standard ones 1 single acting and 2 double acting of polygonial and addition to the standard ones 1 single acting and 2 double acting of thoule acting of chubin acting or houble acting with fixed 1 single acting and 2 double acting of thoule acting of chubin acting or houble acting with fixed 2 species (optional) With proportional electronic control of lifts and control valves consisting of: 1 single acting without free return and 3 double acting (replacing the standard ones). Protein Corneller to charge the sensibility of the joystick. ELECTRIC SYSTEM Better (100 Abn 1/2 V - Alexander of SA - Alexander or SA - Al		
Flow rate to the lift and the control valves (lifvinin) Maximum hybraulic pressure toal) REAR CONTROL VALVES Standard 1 single acting and 2 double acting of 1 doubl		
Mean control (values) Battery 100 Ah / 12 V - Alternator 95 A Bear power outlets Battery 100 Ah / 12 V - Alternator 95 A Pean power outlets Bear power outlets By four control arms with hydraulia usagension and Dual Floating System® Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point hitches Right with quick couplings cat. 1 Mitting capacity (kg) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches With adjustable with protection and 2 double acting control valves with free return Three-point hitches With adjustable with front protection and 2 double acting control valves with free return With adjustable inclination With adjustable inclination With adjustable inclination With adjustable according to the drive's weight - Optional: Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Automatic praining seat, adjustable according to the drive's weight - Optional: Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with propo		
REAR COUTROL VALVES Standard 1 single acting and 2 double acting on 2 double acting optional and in addition to the standard ones 1 single acting and 2 double acting or 1 double acting with float With proportional electronic control of lifts and control valves consisting of: 1 single acting with float With proportional electronic control of lifts and control valves consisting of: 1 single acting without free return and 3 double acting (replacing the standard ones). Potentionneter to change the sensibility of the Joystok Relection (SYSTEM) Rear power outlets 7 pin and 3 pin REAR LIFT By four external rams with hydraulic suspension and Dual Floating System® Three-point littles Quick couplings, L-shaped, at. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point little bar Standard: with manual adjustment - Optional-hydraulically controlled upper link and ler old link arm and all joint timps capacity (kg) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Right with quick couplings at. 1 Lifting capacity (kg) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Right with quick couplings act. 1 Lifting capacity (kg) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Right with quick couplings act. 1 With agis spring for easy tipping, safety bett and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumats seat Service BRAKES Oil barth discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency trake with proportional action STERING Hydrostatic control, acting on front wheels. New deviator for sciencing unit SAFETY Standard: semi-action and beacon lamp Capitonal Automatic and indipendent	, ,	
Standard 1 single acting and 2 double acting Office acting with float 1 single acting of 1 double acting with float 1 single acting without free return and 3 double acting (replacing the standard ones). Potentioneler to change the sensibility of the joystick (potional) Rear prover outlets Battery 100 Ah / 12 V - Alternator 95 A Rear prover outlets Pyriam and 3 double acting (replacing the standard ones). Potentioneler to change the sensibility of the joystick Battery 100 Ah / 12 V - Alternator 95 A Rear prover outlets Pyriam and 3 double acting (replacing the standard ones). Potentioneler to change the sensibility of the joystick Battery 100 Ah / 12 V - Alternator 95 A Rear prover outlets Pyriam and 3 double acting control valves with a glustable width Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point bitches Standard: with manual adjustment - Optional: hydraulically control queen link and tie rod link arm Battery (logional) By two external rams with front protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection and 2 double acting control valves with free return Protection		
Optional and in addition to the standard ones 1 single acting or 1 double acting or 1 double acting with float With proportional electronic control of lifts and control valves consisting of 1 single acting without free return and 3 double acting (replacing the standard ones). Post standard ones) profit of 1 single acting without free return and 3 double acting (replacing the standard ones). Post standard ones). Post standard ones post sensibility of the joystick ELECTRIC SYSTEM Battery 100 Ah / 12 V - Alternator 95 A Pear power outlets 7 pin and 3 pin REAR LIFT By four external rams with hydraulic suspension and Dual Floating System® Quick couplings, 1-shaped, cat. 1 and 2, arms with adjustable length and hocks with adjustable width Three-point title bar Standard: with manual adjustment - Optional: hydraulically controlled upper link and title roll link arm Ball joint titing capacity (kg) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Biglid with quick couplings cat. 1 Elefting capacity (kg) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Biglid with quick couplings cat. 1 By the quick couplings cat. 1 By two external rams with front protection and 2 double acting control column Shoring wheel With adjustable inclination With against part quick couplings cat. 1 Standard: comfortable spring seat, adjustable according to the driver's weight - Optional: 'Genmen' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Sandard: comfortable spring seat and profit one and return of the driver's seried in the driver's seried with proportional action Private (Standard) With multi-function		
With proportional electronic control of litts and control valves consisting of 1 single acting without free return and 3 double acting (replacing the standard ones), Potentionnete to change the sensibility of the joystick EECTRIC SYSTEM Battery 100 Ah / 12 V - Alternator 95 A Beat power outlets 7 pin and 3 pin REAR LIFT By four external rams with hydraulic suspension and Dual Floating System ²⁰ Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width Three-point hitches Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm early length of the proportional properties of the proportional properties of the		
Automatic swith with gas spring for easy tipping, safety bett and "man on board sensor". Steating States Seat With gas spring for easy tipping, safety bett and "man on board sensor". Standard: confrortable sprung seat, adjustable control, acting on the four wheels with uniquatic seat senting unit Stategries. Standard: confrortable sprung seat, adjustable inclination. Steeting Automatic and indipendent Brake-Off acting as emergency brake with proportional action Steeting Automatic and indipendent Brake-Off acting as emergency brake with proportional portional. With multi-function colour and digital displey compete with brur sustensing speed. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With multi-function colour and digital displey compete with brur or vales. Paged. With semi-cabin (kg) With semi-cabin (kg) 2,480 With semi-cabin (kg) 2,480	•	
Rear power outlets Rear LIFT By four external rams with hydraulic suspension and Dual Floating System® Three-point hitches Quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width three-point be bar Standard: with manual adjustment - Optional: hydraulically controlled upper link and tier old link arm ball joint lifting capacity (kg) 2,300 FRONT LIFT (optional) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Rigid with quick couplings cat. 1 Litting capacity (kg) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Rigid with quick couplings cat. 1 Litting capacity (kg) Bo DRIVING PLATFORM Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column Steering wheel With adjustable inclination With gas spring for easy tipping, safety belt and "man on board sensor". Standard: comfortable spring seat, adjustable according to the driver's weight - Optional: "Grammer" pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEENING Hydrostatic steering acting on front wheels. Flow deviator for steering unit STEENING Homologated and sourd-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acous		and 3 double acting (replacing the standard ones). Potentiometer to change the sensibility of the joystick
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Three-point tie bar Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm Ball joint lifting capacity (kg) 2,300 FRONT LIFT (optional) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Rigid with quick couplings cat. 1 Lifting capacity (kg) 800 ORIVINO PLATFORM Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column Steering wheel With adjustable inclination Seat With adjustable inclination With adjustable inclination With gas spring for easy tipping, safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering and front wheels. Flow deviator for steering unit Stafetty Standard: semi-cabin and beacon lamp CABIN (optional) Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With writh entilation, heating system and air conditioning INSTRUMENT PANEL With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and P10 speed. Warning lights and acoustic alarm TYRES (standard) 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC706 Rear CUNA and front Poptional Rear tow hook: EC approved or EC approved (Silder type) or CUNA (Silder type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With semi-cabin (kg) 2,480 With cabin (kg) 2,480		
Ball joint lifting capacity (kg) PRONT LIFT (optional) By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Rigid with quick couplings cat. 1 Lifting capacity (kg) Both Sapended pedals mounted on rotating control column Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column With adjustable inclination Seat With gas spring for easy tipping, safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit Standard: semi-cabin and beacon lamp CABIN (optional) Homologated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With wulti-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, frowarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) Optional 340/65R20 *31x15.50-15 STC Optional Rear CUNA and front Rear tow hook: EC approved or EC approved (Silder type) or CUNA (Silder type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg)		
By two external rams with front protection and 2 double acting control valves with free return Three-point hitches Rigid with quick couplings cat. 1 Lifting capacity (kg) 800 BRIVING PLATFORM Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column Steering wheel With adjustable inclination With gas spring for easy tipping, safety bett and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp Homologated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 XTC Poptional Rear tow hook: EC approved (Silder type) or CUNA (Silder type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg)	•	, , , , , , , , , , , , , , , , , , , ,
Three-point hitches Rigid with quick couplings cat. 1 Lifting capacity (kg) 800 DRIVING PLATFORM Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column Steering wheel With adjustable inclination Seat With gas spring for easy tipping, safety bett and "man on board sensor". Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the form wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp CABIN (optional) Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning INSTRUMENT PANEL With multi-function colour and digital display complete with: how counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G Rear CUNA and front Optional Rear CUNA and front Optional Rear tow hook: EC approved (Silder type) or CUNA (Silder type) WEIGHT in order of speed With semi-cabin (kg) With semi-cabin (kg)		,
DRIVING PLATFORM Wilder version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column Steering wheel With adjustable inclination With agis spring for easy tipping, safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp CABIN (optional) Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) TYRES (standard) 31x15.50-15 XTC 340/65R20 * 31x15.50-15 XTC 340/65R20 * 31x15.50-15 XTC 3440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved of EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) With cabin (kg) 2,480 With cabin (kg)		
DRIVING PLATFORM Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column With adjustable inclination With gas spring for easy tipping, safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit Standard: semi-cabin and beacon lamp Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With wentilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) Optional 340/65R20 * 31x15.50-15 XTC Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Silder type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560		
Steering wheel With adjustable inclination With agis spring for easy tipping, safety beit and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp CABIN (optional) Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) With cabin (kg) 2,480 With cabin (kg)		111
Seat With gas spring for easy tipping, safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat SERVICE BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp CABIN (optional) Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With wentilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) Optional 340/65R20*31x15.50-15 STG*440/50-17 All-Ground*425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	DRIVING PLATFORM	
Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Grammer' pneumatic seat Stervice BRAKES Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Automatic semi-cabin and beacon lamp Hydrostatic steering acting on front wheels. Flow deviator for steering unit Standard: semi-cabin and beacon lamp Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Optional Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) With cabin (kg) 2,480 With cabin (kg)	Steering wheel	With adjustable inclination
Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp CABIN (optional) Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With wentilation, heating system and air conditioning INSTRUMENT PANEL With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	Seat	
Parking brake Automatic and indipendent Brake-Off acting as emergency brake with proportional action STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp CABIN (optional) Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With wentilation, heating system and air conditioning INSTRUMENT PANEL With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	SERVICE RRAKES	Oil hath discs with hydrostatic control action on the four wheels with automatic engagement of the A-wheel drive
STEERING Hydrostatic steering acting on front wheels. Flow deviator for steering unit SAFETY Standard: semi-cabin and beacon lamp Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560		
SAFETY Standard: semi-cabin and beacon lamp Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) Optional 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Optional Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560		
Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) Optional 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560		
With ventilation, heating system and air conditioning With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	UNI ET I	
DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm TYRES (standard) 31x15.50-15 XTC Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	CABIN (optional)	With ventilation, heating system and air conditioning
Optional 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	INSTRUMENT PANEL	
TOW HOOKS (standard) Rear CUNA and front Optional Rear tow hook: EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	TYRES (standard)	31x15.50-15 XTC
Optional Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) WEIGHT in order of speed With semi-cabin (kg) 2,480 With cabin (kg) 2,560	Optional	340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G
WEIGHT in order of speed 2,480 With semi-cabin (kg) 2,560	TOW HOOKS (standard)	Rear CUNA and front
With semi-cabin (kg) 2,480 With cabin (kg) 2,560	Optional	Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type)
With semi-cabin (kg) 2,480 With cabin (kg) 2,560	WEIGHT in order of speed	
With cabin (kg) 2,560	With semi-cabin (kg)	2,480
(0)	With cabin (kg)	
	OPTIONAL	



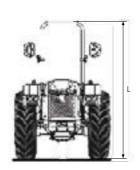
Orion SDT RS K105 | L80

	260/70R16	300/70R20	260/70R16	340/65R20	280/70-18	360/70R20
	Front	Rear	Front	Rear	Front	Rear
A Tyre width (mm)	258	286	258	343	265	357
B Tyre diameter (mm)	770	958	770	958	849	1042
C Wheel track min/max (mm)	1122/1522	1054/1490	1122/1522	1054/1490	1098/1538	1170/1490
D Width min/max (mm)	1380/1780	1340/1776	1380/1780	1397/1833	1363/1803	1527/1847





	280/70-18	320/70R24	320/65R18	380/70R20	340/65R18	420/65R24
	Front	Rear	Front	Rear	Front	Rear
A Tyre width (mm)	265	316	319	370	343	418
B Tyre diameter (mm)	849	1092	873	1078	899	1155
C Wheel track min/max (mm)	1098/1538	1034/1518	1166/1470	1170/1490	1170/1466	1190/1460
D Width min/max (mm)	1363/1803	1350/1834	1485/1789	1540/1860	1513/1809	1608/1878



Dimensions Orion K105 L80 SDT RS (mm):						
E	F	G	Н	I min/max	L min/max	M min/max
1348	1607	968	3923	157/257	2216/2316	1792/1857

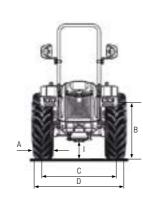


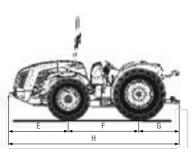
TECHNICAL FEATURES	Orion K105 SDT RS	Orion L80 SDT RS	
ENGINE	Kubota V3800 CR-TE4	Kohler KDI 2504 TCR	
Number of cylinders	4 in-line	4 in-line / 16 valves	
Displacement (cm³)	3,769	2,482	
Intake	Turbo	Turbo / Intercooler	
Fuel system	Direct injection "Common rail"	Direct injection "Common rail" - 2000 bar	
Emission level	Stage 3B	Stage 3B	
Balancing	Counter-balance shafts	Counter-balance shafts	
Power (kW/HP)	72.1 / 98	55.4 / 75.3	
Rated speed (rpm)	2,400	2,300	
Maximum torque (Nm/rpm)	330 / 1,500	300 / 1,500	
Speed management	Electronically regulated with a consolle with functions: increase and or switch off the electronic throttle:		
Cooling	Liqu	ıid	
Tank capacity (It)	70 lt (version with roll-bar)	- 54 lt (version with cabin)	
CHASSIS	Swinging integral chassis OS-		
DRIVE	Four-wheel drive. Front-wheel drive disen	, , , , , , , , , , , , , , , , , , , ,	
TRANSMISSION	32 speeds synchronized gearbox: 16 FWE		
POWER SHUTTLE EASYDRIVE® (optional)	Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose fro	m 5 levels of reactivity	
Transmission clutch	Multidisc in oil bath electronically-managed and pro		
DIFFERENTIAL	Front and rear. Differential lock: front and rear simult	· · · · · · · · · · · · · · · · · · ·	
AXLES	Front with epicyclic reduction units and rear with bull-gear	, , , , , , , , , , , , , , , , , , , ,	
REAR PTO	Independent from the gearbox and synchronized with forwarding		
PTO clutch	Multidisc in oil bath with	•	
PTO rotation speed (rpm)	Standard: 540/540E -		
HYDRAULIC SYSTEM	Double circuit with independent pumps and heat exchanger		
Flow rate to the steering unit and the electro-hydraulic controls (lt/min)	33 30		
Flow rate to the lift and the control valves (lt/min)	(optional oversized pump		
Maximum hydraulic pressure (bar)	180		
REAR CONTROL VALVES	Mechanical control		
Standard	2 double		
Optional and in addition to the standard ones	1 single acting and 1 double acting or 1 double acting and 1 double acting with float		
Joystick (optional)	With proportional electronic control of lifts and control valves consisting of: 1 single acting with adjustable flow and free return, 3 double acting (replacing the standard ones) and oversized pump 49 lt/min. Potentiometer to change the sensibility of the joysti		
ELECTRIC SYSTEM	Battery 100 Ah / 12 V - Alternator 95 A		
Rear power outlets	7 pin and 3 pin		
REAR LIFT	Standard: by two external rams - Optional: position and draft control Standard: standard couplers cat. 1 and 2. Optional: quick couplings cat. 1 and 2, arms with non-adjustable length or quick cou		
Three-point hitches	L-shaped, cat. 1 and 2, arms with adjustab	and the second of the second o	
Three-point tie bar	Standard: with manual adjustment - Optional: hyd	raulically controlled upper link and tie rod link arm	
Ball joint lifting capacity (kg)	2,7	00	
FRONT LIFT (optional)	With front protection and 2 double a	cting control valves with free return	
Three-point hitches	Rigid with quick	couplings cat. 1	
Lifting capacity (kg)	800		
DRIVING PLATFORM	Monodirectional with platform suspended on silent block. Suspended pedals mounted on control column		
Steering wheel	With adjustable inclination		
Seat	With safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's we Optional: 'Kab Seating' or 'Grammer' pneumatic seat		
SERVICE BRAKES	Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive		
	Standard: acting on the rear tra	ansmission, with hand lever -	
Parking brake	Optional: automatic and indipendent Brake-Off acting as emergency brake with proportional action		
STEERING	Hydrostatic steering acting on the front wheels		
SAFETY CABIN (optional)	Standard: front homologated roll-bar, with g Compact AIRTECH version, pressurised and homologated cat. 4. Sound	d-proof with monocoque body fitted on silent-block, beacon lamp a	
Copular (optional)	fabric covered seat. Safety cell integrated in the structure, instrument		
INSTRUMENT PANEL	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm	
TYRES (standard)	260/70R16*	300/70R20	
Optional	260/70R16*340/65R20 - 280/70-18*360/70R20 - 280/70-18*3		
TOW HOOKS (standard)	Rear CUNA		
	Rear tow hook: EC approved or EC approved		
Optional			
, ,			
Optional	2,520	2,450	
Optional WEIGHT in order of speed	2,520 2,700	2,450 2,630	



Orion SDT DUALSTEER® K105 | L80

	260/70R16	300/70R20	260/70R16	340/65R20	280/70-18	360/70R20
	Front	Rear	Front	Rear	Front	Rear
A Tyre width (mm)	258	286	258	343	265	357
B Tyre diameter (mm)	770	958	770	958	849	1042
C Wheel track min/max (mm)	1122/1522	1054/1490	1122/1522	1054/1490	1098/1538	1170/1490
D Width min/max (mm)	1380/1780	1340/1776	1380/1780	1397/1833	1363/1803	1527/1847





	280/70-18	320/70R24	320/65R18	380/70R20	340/65R18	420/65R24
	Front	Rear	Front	Rear	Front	Rear
A Tyre width (mm)	265	316	319	370	343	418
B Tyre diameter (mm)	849	1092	873	1078	899	1155
C Wheel track min/max (mm)	1098/1538	1034/1518	1166/1470	1170/1490	1170/1466	1190/1460
D Width min/max (mm)	1363/1803	1350/1834	1485/1789	1540/1860	1513/1809	1608/1878

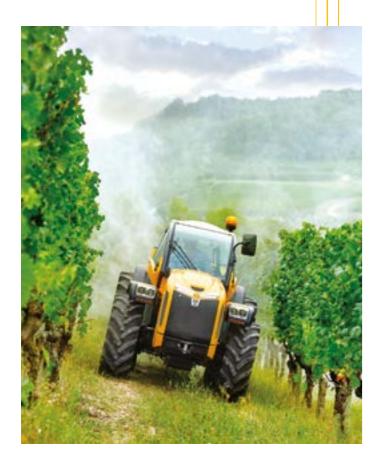


Dimensions Orion K105 L80 SDT DUALSTEER® (mm):						
E	F	G	Н	I min/max	L min/max	M min/max
1348	1607	968	3923	134/234	2216/2316	1792/1857



TECHNICAL FEATURES	Orion K105 SDT DUALSTEER®	Orion L80 SDT DUALSTEER®	
ENGINE	Kubota V3800 CR-TE4	Kohler KDI 2504 TCR	
Number of cylinders	4 in-line	4 in-line / 16 valves	
Displacement (cm³)	3,769	2,482	
Intake	Turbo	Turbo / Intercooler	
Fuel system	Direct injection "Common rail"	Direct injection "Common rail" - 2000 bar	
Emission level	Stage 3B	Stage 3B	
Balancing	Counter-balance shafts	Counter-balance shafts	
Power (kW/HP)	72.1 / 98	55.4 / 75.3	
Rated speed (rpm) Maximum torque (Nm/rpm)	2,400 330 / 1,500	2,300 300 / 1,500	
Speed management	Electronically regulated with a consolle with functions: increase and or switch off the electronic throttle	I decrease of engine speed, memorize and recall a particular spee	
Cooling	Liq		
Tank capacity (It)	70 lt (version with roll-bar)		
CHASSIS	Swinging integral chassis OS-FRAME with	·	
DRIVE	Four-wheel drive. Front-wheel drive diser	• • • • • • • • • • • • • • • • • • • •	
TRANSMISSION	32 speeds synchronized gearbox: 16 FWI Electro-hydraulic power shuttle electronically actuated with the lever		
POWER SHUTTLE EASYDRIVE® Transmission clutch	Possibility to choose from Multidisc in oil bath electronically-managed and pr	om 5 levels of reactivity	
DIFFERENTIAL	Front and rear. Differential lock: front and rear simul		
AXLES	Front with epicyclic reduction units and rear with bull-gea		
REAR PTO	Independent from the gearbox and synchronized with forwarding		
PTO clutch	Multidisc in oil bath with		
PTO rotation speed (rpm)	Standard: 540/540E -	Optional: 540/1,000	
HYDRAULIC SYSTEM	Double circuit with independe	nt pumps and heat exchanger	
Flow rate to the steering unit and the electro-hydraulic controls (lt/min)	33		
Flow rate to the lift and the control valves (lt/min)	30 (optional oversized pump with flow rate 49 lt/min)		
Maximum hydraulic pressure (bar)	180		
REAR CONTROL VALVES	Mechanic		
Standard	2 double		
Optional and in addition to the standard ones Joystick (optional)	1 single acting and 1 double acting or 1 do With proportional electronic control of lifts and control valves co	nsisting of: 1 single acting with adjustable flow and free return,	
ELECTRIC SYSTEM	3 double acting (replacing the standard ones) and oversized pump Battery 100 Ah / 12		
Rear power outlets	7 pin ar		
REAR LIFT	Standard: by two external rams -		
Three-point hitches	Standard: standard couplers cat. 1 and 2. Optional: quick couplings	s cat. 1 and 2, arms with non-adjustable length or quick couplings	
·	L shaped, cat. 1 and 2, arms with adjustat	•	
Three-point tie bar	Standard: with manual adjustment - Optional: hyd		
Ball joint lifting capacity (kg) FRONT LIFT (optional)	2,7 With front protection and 2 double a		
Three-point hitches	Rigid with quick		
Lifting capacity (kg)	80	. •	
DRIVING PLATFORM	Monodirectional with platform suspended on silent block. Suspended pedals mounted on control colum		
Steering wheel	With adjustat		
Seat	With safety belt and 'man on board sensor'. Standard: comfort		
	Optional: 'Kab Seating' or 'Grammer' pneumatic seat Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel dr		
SERVICE BRAKES	Standard: acting on the rear transmission, with hand lever -		
Parking brake	Optional: automatic and indipendent Brake-Off ac		
STEERING	Double steering system DUALSTEER® with 4-cylinders. Hydrostatic steering acting on front wheels and central artic		
CABIN (optional)	Standard: front homologated roll-bar, with a Compact AIRTECH version, pressurised and homologated cat. 4. Soun fabric covered seat. Safety cell integrated in the structure, instrument	d-proof with monocoque body fitted on silent-block, beacon lamp a	
INSTRUMENT PANEL	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, DPF level, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm	
	260/70R167	300/70R20	
TYRES (standard)			
TYRES (standard) Optional		320/70R24 - 320/65R18*380/70R20 - 340/65R18*420/65R	
Optional	260/70R16*340/65R20 - 280/70-18*360/70R20 - 280/70-18*	A and front	
Optional TOW HOOKS (standard) Optional	260/70R16*340/65R20 - 280/70-18*360/70R20 - 280/70-18* Rear CUNA	A and front	
Optional TOW HOOKS (standard) Optional WEIGHT in order of speed	260/70R16*340/65R20 - 280/70-18*360/70R20 - 280/70-18* Rear CUNA	A and front	
TOW HOOKS (standard)	260/70R16*340/65R20 - 280/70-18*360/70R20 - 280/70-18* Rear CUN/ Rear tow hook: EC approved or EC approved.	A and front roved (Slider type) or CUNA (Slider type)	

















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SPARE PARTS

A complete range of original spare parts, guaranteed directly by the manufacturer.



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A team of specialists, well prepared and available to assure an efficient and resolving service.



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LUBRICANTS

We recommend to use the original PowerLube lubricants.



FINANCIAL SERVICES

Financial solutions to meet the credit requirements.



