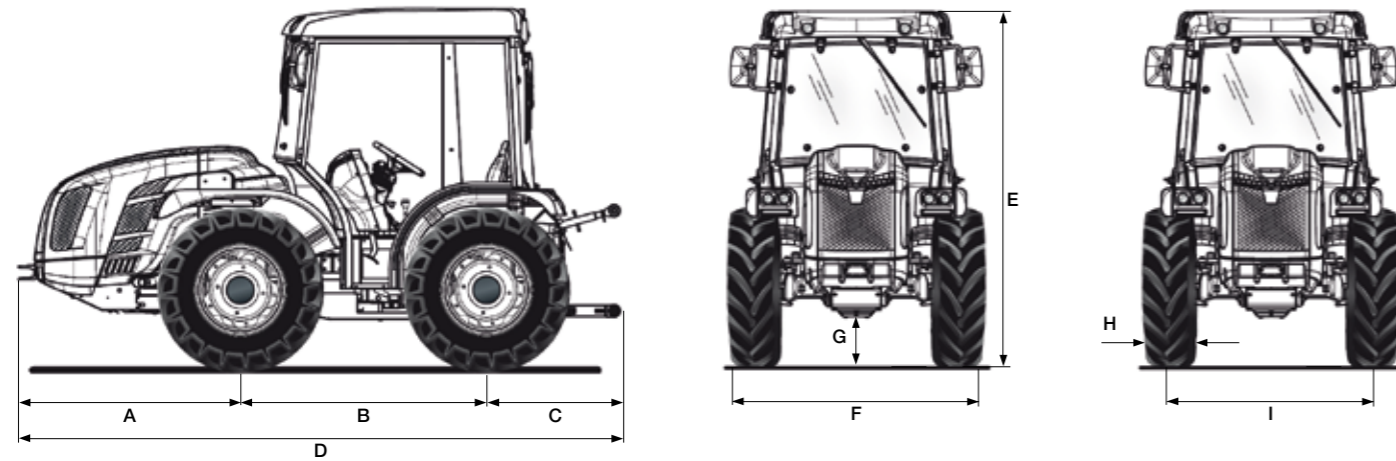


# ORION K90 MT

Data Sheet

MODEL YEAR 24



A	B	C	D	E min/max	F min/max	G min/max
1348	1495	932	3775	2070 / 2180	1697 / 1961	184 / 294

\* Dimensions in mm

	31x15.50-15 XTC	31x15.50-15 STG	440/50 R17 All-Ground	340/65 R20
	with fixed rim	with fixed rim	with fixed rim	with adjustable rim
H	368	394	431	343
I	1510	1510	1476	1354 / 1618
F	1878	1904	1907	1697 / 1961

\* Dimensions in mm - min / max

H = Tyre width - I = Wheel track - F = Tractor width

TECHNICAL FEATURES	ORION K90 MT - M.Y. 24
<b>ENGINE</b>	Kubota V3800-CR-T-EW03   Diesel common rail direct injection   Turbo   4 cylinders   3769 cc   Liquid cooling   Stage V
Power	54,6 kW / 75 hp @2400 rpm   Max torque 305,4 Nm@1500 rpm
Engine speed management	Electronic engine speed control with hand throttle control knob and push button with set speed storage/recall/exclusion function
Air filter	Integrated cyclone prefilter with high-performance air filter and front air intake
<b>CHASSIS</b>	Swinging integral chassis (±15°) OS-FRAME with steering wheels
<b>DRIVE</b>	Four-wheel drive. Front-wheel drive disengagement with electro-hydraulic control
<b>TRANSMISSION</b>	32-speed synchronised gearbox: 16 FWD and 16 REV with synchronised reverser
Min/max travel speed (km/h)	0.7 / 40
<b>POWER SHUTTLE EASYDRIVE® (optional)</b>	Electronically controlled electro-hydraulic with lever positioned to the left of the steering wheel and two available reversing modes: slow reverse and quick reverse
Transmission clutch	Multidisc in oil bath electronically-managed and proportional hydraulic control with PRO-ACT System
<b>DIFFERENTIAL</b>	Front and rear. Differential lock: front and rear simultaneously or rear only with electro-hydraulic control
<b>AXLES</b>	Front and rear with planetary reduction units
<b>REAR PTO</b>	Independent from the gearbox and synchronised with the forwarding speed. Negative safety hydraulic brake to stop the PTO
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	Standard: 540/1000 - Optional: 540/540E
<b>HYDRAULIC SYSTEM</b>	Dual circuit with independent pumps and heat exchanger
Hydraulic pump flow rate of the power steering and electro-hydraulic controls (l/min)	33.1
Hydraulic pump flow rate of the lift and control valves (l/min)	27.7
Maximum hydraulic pressure (bar)	180
<b>REAR CONTROL VALVES</b>	Mechanically controlled
Standard	3 double-acting and 1 double-acting with float (total 8 hydraulic outlets)
Joystick (optional)	Proportional electronic joystick with new ergonomic grip for controlling the rear lift with Dual Floating System® hydraulic suspension (and front lift if present) and rear control valves consisting of: 1 single-acting, 2 double-acting and 1 double-acting with float (control valves replacing standard ones) without free flow oil return (total 7 hydraulic outlets). Potentiometer for adjusting the hydraulic flow rate. Remote PTO engagement control. Storage armrest
<b>REAR LIFT</b>	Up/down lift with four external cylinders and Dual Floating System® hydraulic suspension
3-point implement hitch	Standard: quick-couplings cat. 1 and 2, L-shaped, arms adjustable in length and hooks adjustable in width - Optional: quick-couplings cat. 1 and 2, arms adjustable in length
Third point tie rod	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm
Ball joint lifting capacity (kg)	2300
<b>FRONT LIFT (optional)</b>	Two-cylinder, complete with front bumper and 4 front hydraulic outlets (replicated from the rear)
Third point arms	Rigid with quick-couplings cat. 1
Lifting capacity (kg)	800
<b>DRIVING POSITION</b>	Reversible with wide rotating platform suspended on silent blocks. Suspended pedals mounted on the rotating control tower
Steering wheel	Tilt adjustable
Seat	With gas spring for easy tipping, safety belt and man-on-board sensor. Standard: comfort seat with armrest and adjustable spring tension according to the operator's weight - Optional: 'Grammer' or 'Cobo' pneumatic seat
<b>SERVICE BRAKES</b>	Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive. Independent manoeuvring brakes acting on the rear wheels
Parking brake	Automatic and independent Brake-Off acting as emergency brake with proportional action
<b>STEERING</b>	Hydrostatic steering acting on the front wheels. Flow deviator for steering unit
<b>SAFETY</b>	Standard: six-post semi-cab and beacon lamp
<b>CABIN (optional)</b>	SPACE CLIMA model, homologated and soundproof. Six-post monocoque frame mounted on silent blocks. Fully glazed doors and cloth seat. LED beacon lamp and rear lights. A/C, ventilation and heating system. Car radio preparation. Optional: activated carbon filters
<b>DASHBOARD</b>	Instrument panel with analogue gauges and TFT digital colour display. Warning lights and horn
<b>ELECTRIC SYSTEM</b>	Battery 100 Ah / 12 V - Alternator 95 A
Standard equipment	Vehicle Control Unit, full LED street lights and indicator system, front LED working lights, two USB sockets on the dashboard, rear 7-pin and 3-pin sockets
<b>TYRES</b>	31x15.50-15 XTC * 31x15.50-15 STG * 440/50-17 All-Ground * 340/65R20
<b>TOW HOOKS</b>	Standard: front and rear CUNA cat. C adjustable in height - Optional: rear tow hook EC approved or EC with Slider frame or CUNA with Slider frame or EC tow bar with Slider frame
<b>RUNNING ORDER WEIGHT</b>	With semi-cab: 2480 kg - With cabin: 2560 kg
<b>ADDITIONAL OPTIONS</b>	Front bumper, front weights 150 kg total and wheel weights 50 kg each, silver and bordeaux 'Special Edition' livery