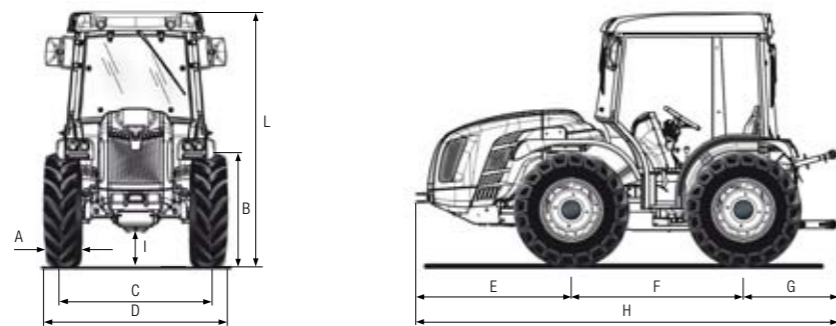


# TECHNICAL DATA ORION V8.80 MT



	31x15.50-15 XTC	31x15.50-15 STG	440/50R17 ALL GROUND	425/55R17 AC70G	340/65R20
	with fixed rim	with fixed rim	with fixed rim	with fixed rim	with adjustable rim
<b>A</b> Tyre width (mm)	368	394	431	430	343
<b>B</b> Tyre diameter (mm)	800	800	873	884	958
<b>C</b> Wheel track min/max (mm)	1510	1510	1471	1471	1354/1618
<b>D</b> Width min/max (mm)	1878	1904	1902	1901	1697/1961



Dimensions ORION V8.80 MT (mm):					
E	F	G	H	I min/max	L min/max
1260	1495	850	3605	248/328	2170

TECHNICAL FEATURES	ORION V8.80 MT
<b>ENGINE</b>	VM D754 TE3
Number of cylinders	4
Displacement (cm <sup>3</sup> )	2,97
Intake	Turbo
Fuel system	Direct injection
Emission level	Tier 3A
Balancing	Counter-balance shafts
Power (kW/HP)	53.7 / 73
Rated speed (rpm)	2,300
Maximum torque (Nm/rpm)	250 / 1,600
Cooling	Liquid
Tank capacity (lt)	54
Air filter	Cyclone prefilter with external air intake
<b>SELF CLEANING SYSTEM®</b>	Standard
<b>CHASSIS</b>	Swinging integral chassis OS-FRAME with steering wheels
<b>DRIVE</b>	Four-wheel drive. Front-wheel drive disengagement with electro-hydraulic control
<b>TRANSMISSION</b>	32 speeds synchronized gearbox: 16 FWD and 16 REV with synchronized reverser
Transmission clutch	Multidisc in oil bath with hydraulic control and PRO-ACT System
<b>DIFFERENTIAL</b>	Front and rear. Differential lock: front and rear simultaneously or only rear with electro-hydraulic control
<b>AXLES</b>	Front and rear with epicyclic reduction units. Front axle, oscillating in the middle (approx. ±15°)
<b>REAR PTO</b>	Independent from the gearbox and synchronized with forwarding speed. Engageable under load with brake in disengaged position
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	Standard: 540/1,000 - Optional: 540/540E
<b>HYDRAULIC SYSTEM</b>	Double circuit with independent pumps and heat exchanger
Flow rate to the hydroguide and the electro-hydraulic controls (lt/min)	31
Flow rate to the lift and the control valves (lt/min)	31
Maximum hydraulic pressure (bar)	180
<b>REAR CONTROL VALVES</b>	Mechanical control
Standard	1 single acting and 2 double acting
Optional and in addition to the standard ones	1 single acting or 1 double acting or 1 double acting with float
Joystick (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)
<b>ELECTRIC SYSTEM</b>	Battery 100 Ah - Alternator 70 A
Rear power outlets	7 pin
<b>REAR LIFT</b>	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 tie bar	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm
Ball joint lifting capacity (kg)	2,300
<b>FRONT LIFT (optional)</b>	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
<b>DRIVING PLATFORM</b>	Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column
Steering wheel	With adjustable height
Seat with gas spring for easy tipping and safety belt	Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: pneumatic seat
<b>SERVICE BRAKES</b>	Oil bath discs with hydrostatic control, acting on the four wheels
Parking brake	Automatic and independent Brake-Off
<b>STEERING</b>	Hydrostatic steering acting on front wheels. Flow deviator for steering unit
<b>SAFETY</b>	Standard: semi-cabin and beacon lamp
<b>CABIN (optional)</b>	Homologated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning
<b>INSTRUMENT PANEL</b>	With digital display complete with: tachograph/rate gyro, water thermometer, warning light for oil pressure and acoustic alarm, simultaneous reading of engine r.p.m., forwarding speed and PTO rotation speed
<b>TYRES (standard)</b>	31x15.50-15 XTC
Optional	340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G
<b>TOW HOOKS (standard)</b>	Rear CUNA and front
Optional	Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type)
<b>WEIGHT in order of speed</b>	
With semi-cabin (kg)	2260
With cabin (kg)	2330
<b>OPTIONAL</b>	Front bumper, Front weight and weights for wheels, Oil filter protection kit, Muffler protection kit, Air prefilter with impeller, Active carbon filter for cabin