

VOLCAN L80 SDT RS e DUALSTEER®

TECHNICAL FEATURES	VOLCAN L80 SDT RS	VOLCAN L80 SDT DUALSTEER®
ENGINE	Kohler KDI 2504 TCR	
Number of cylinders	4 in-line / 16 valves	
Displacement (cm3)	2,482	
Intake	Turbo / Intercooler	
Fuel system	Direct injection "Common rail" - 2000 bar	
Emission level	Stage 3B	
Balancing	Counter-balance shafts	
Power (kW/HP)	55.4 / 75.3	
Rated speed (rpm)	2,300	
Maximum torque (Nm/rpm)	300 / 1,500	
Speed management	Electronically regulated with a console 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	
Cooling	Liquid	
Tank capacity (lt)	70 lt (version with roll-bar) - 54 lt (version with cabin)	
CHASSIS	Swinging integral chassis OS-FRAME with steering wheels	Swinging integral chassis OS-FRAME with central articulation and steering wheels
DRIVE	Four-wheel drive. Front-wheel drive disengagement with electro-hydraulic control	
TRANSMISSION	32 speeds synchronized gearbox: 16 FWD and 16 REV with synchronized reverser	
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. Possibility to choose from 5 levels of reactivity	
Transmission clutch	Multidisc in oil bath electronically-managed and proportional hydraulic control with PRO-ACT System	
DIFFERENTIAL	Front and rear. Differential lock: front and rear simultaneously or only rear with electro-hydraulic control	
AXLES	Front with epicyclic reduction units and rear with bull-gear units. Front 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 electro-hydraulic control	
PTO rotation speed (rpm)	Standard: 540/540E - Optional: 540/1,000	
HYDRAULIC SYSTEM	Double circuit with independent 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	Mechanical control	
Standard	2 double 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, 3 double 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 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 couplings cat. 1 and 2, arms with non-adjustable length or 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)	2,700	
FRONT LIFT (optional)	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	
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 weight - 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	
Parking brake	Standard: acting on the rear transmission, with hand lever - Optional: automatic and independent Brake-Off acting as emergency brake with proportional action	
STEERING	Hydrostatic steering acting on the front wheels	Double steering system DUALSTEER® with 4-cylinders. Hydrostatic steering acting on front wheels and central articulation
SAFETY	Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting	
CABIN (optional)	Compact AIRTECH version, pressurised and homologated cat. 4. Sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. Safety cell integrated in the structure, instrument panel and air ducts (car type). Air conditioning system and Brake-Off	
INSTRUMENT PANEL	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*320/70R24 - 320/65R18*380/70R20 - 340/65R18*420/65R24	
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 roll-bar (kg)	2,450	2,500
With Compact cabin (kg)	2,630	2,630
OPTIONAL	Front bumper, Beacon lamp, Front weight, Weights for front wheels, Cast-iron rim flanges for rear wheels 24", Front plate for implements connection, Active carbon filter for pressurised cabin	