

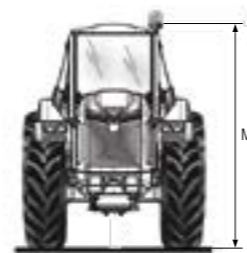
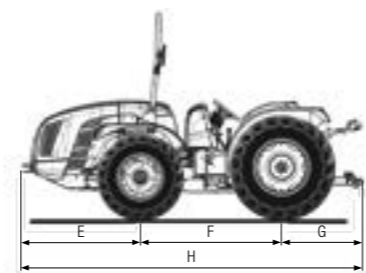
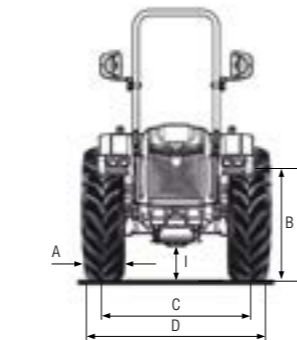
# Volcan SDT RS

## K105 | L80

	260/70R16	300/70R20	260/70R16	340/65R20	280/70-18	360/70R20
	Front	Rear	Front	Rear	Front	Rear
<b>A</b> Tyre width (mm)	258	286	258	343	265	357
<b>B</b> Tyre diameter (mm)	770	958	770	958	849	1042
<b>C</b> Wheel track min/max (mm)	1122/1522	1054/1490	1122/1522	1054/1490	1098/1538	1170/1490
<b>D</b> 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
<b>A</b> Tyre width (mm)	265	316	319	370	343	418
<b>B</b> Tyre diameter (mm)	849	1092	873	1078	899	1155
<b>C</b> Wheel track min/max (mm)	1098/1538	1034/1518	1166/1470	1170/1490	1170/1466	1190/1460
<b>D</b> Width min/max (mm)	1363/1803	1350/1834	1485/1789	1540/1860	1513/1809	1608/1878

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



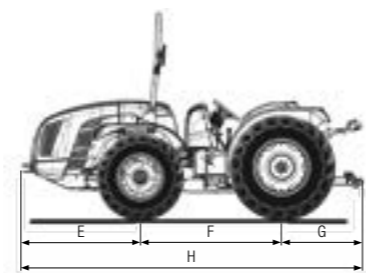
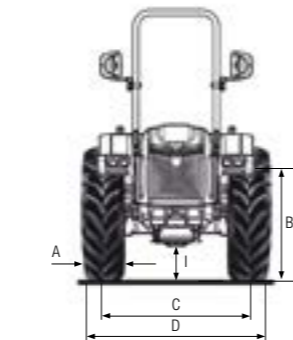
Compact AIRTECH cabin

TECHNICAL FEATURES	Volcan K105 SDT RS	Volcan L80 SDT RS
<b>ENGINE</b>	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 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)	
<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	
<b>POWER SHUTTLE EASYDRIVE® (optional)</b>	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	
<b>DIFFERENTIAL</b>	Front and rear. Differential lock: front and rear simultaneously or only rear with electro-hydraulic control	
<b>AXLES</b>	Front with epicyclic reduction units and rear with bull-gear 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: 540/540E - Optional: 540/1,000	
<b>HYDRAULIC SYSTEM</b>	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	
<b>REAR CONTROL VALVES</b>	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	
<b>ELECTRIC SYSTEM</b>	Battery 100 Ah / 12 V - Alternator 95 A	
Rear power outlets	7 pin and 3 pin	
<b>REAR LIFT</b>	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	
<b>FRONT LIFT (optional)</b>	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>	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	
<b>SERVICE BRAKES</b>	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	
<b>STEERING</b>	Hydrostatic steering acting on the front wheels	
<b>SAFETY</b>	Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting	
<b>CABIN (optional)</b>	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	
<b>INSTRUMENT PANEL</b>	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
<b>TYRES (standard)</b>	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	
<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 roll-bar (kg)	2,520	2,450
With Compact cabin (kg)	2,700	2,630
<b>OPTIONAL</b>	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	

# Volcan SDT DUALSTEER®

## K105 | L80

	260/70R16	300/70R20	260/70R16	340/65R20	280/70-18	360/70R20
	Front	Rear	Front	Rear	Front	Rear
<b>A</b> Tyre width (mm)	258	286	258	343	265	357
<b>B</b> Tyre diameter (mm)	770	958	770	958	849	1042
<b>C</b> Wheel track min/max (mm)	1122/1522	1054/1490	1122/1522	1054/1490	1098/1538	1170/1490
<b>D</b> 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
<b>A</b> Tyre width (mm)	265	316	319	370	343	418
<b>B</b> Tyre diameter (mm)	849	1092	873	1078	899	1155
<b>C</b> Wheel track min/max (mm)	1098/1538	1034/1518	1166/1470	1170/1490	1170/1466	1190/1460
<b>D</b> Width min/max (mm)	1363/1803	1350/1834	1485/1789	1540/1860	1513/1809	1608/1878



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



Compact AIRTECH cabin

TECHNICAL FEATURES	Volcan K105 SDT DUALSTEER®	Volcan L80 SDT DUALSTEER®
<b>ENGINE</b>	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 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)	
<b>CHASSIS</b>	Swinging integral chassis OS-FRAME with central articulation and 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	
<b>POWER SHUTTLE EASYDRIVE®</b>	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	
<b>DIFFERENTIAL</b>	Front and rear. Differential lock: front and rear simultaneously or only rear with electro-hydraulic control	
<b>AXLES</b>	Front with epicyclic reduction units and rear with bull-gear 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: 540/540E - Optional: 540/1,000	
<b>HYDRAULIC SYSTEM</b>	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	
<b>REAR CONTROL VALVES</b>	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	
<b>ELECTRIC SYSTEM</b>	Battery 100 Ah / 12 V - Alternator 95 A	
Rear power outlets	7 pin and 3 pin	
<b>REAR LIFT</b>	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	
<b>FRONT LIFT (optional)</b>	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>	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	
<b>SERVICE BRAKES</b>	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	
<b>STEERING</b>	Double steering system DUALSTEER® with 4-cylinders. Hydrostatic steering acting on front wheels and central articulation	
<b>SAFETY</b>	Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting	
<b>CABIN (optional)</b>	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	
<b>INSTRUMENT PANEL</b>	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
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<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 roll-bar (kg)	2,570	2,500
With Compact cabin (kg)	2,700	2,630
<b>OPTIONAL</b>	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	