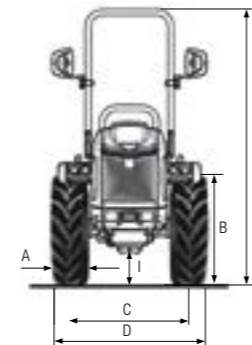


Volcan AR

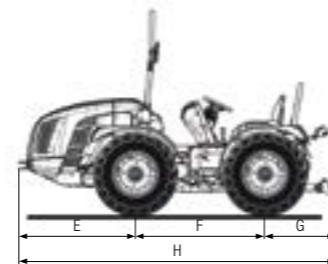
K105 | L80



| | 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 |
| A Tyre width (mm) | 316 | 343 | 368 | 394 | 325 | 391 |
| B Tyre diameter (mm) | 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 |



STANDARD cabin



CONICAL cabin

Dimensions Volcan K105 | L80 AR (mm):

| E | F | G | H | I 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 | Volcan K105 AR | Volcan L80 AR |
|---|---|--|
| 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 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) | 54 | |
| CHASSIS | Swinging integral chassis OS-FRAME with central articulation | |
| 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 and rear with epicyclic reduction 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 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 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 | 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, 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 | |
| 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 | |
| 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' 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 independent Brake-Off acting as emergency brake with proportional action | |
| STEERING | Hydrostatic steering acting on central articulation. Flow deviator for steering unit | |
| SAFETY | Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting | |
| CABIN (optional) | Homologated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning. Available with standard or conical structure | |
| 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) | 250/80R18 | |
| Optional | 11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 300/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC o STG * 33x12.50-15 T413 * 13.6-16 Garden | |
| 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) | 2,300 | 2,230 |
| With cabin (kg) | 2,445 | 2,375 |
| OPTIONAL | Front bumper, Beacon lamp, Front weight, Weights for wheels, Active carbon filter for cabin | |