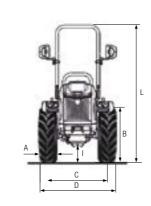
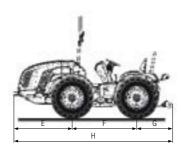


Orion AR K105 | L80

| | 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 |
| | 316 | 343 | 368 | 394 | 325 | 391 |
| | 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 |



| Dimensions Orion K105 L80 AR (mm): | | | | | | | | |
|--------------------------------------|------|-----|------|--------------|--------------|--------------|--------------|--|
| E | F | G | Н | l 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 | Orion K105 AR | Orion L80 AR | | | |
|---|--|--|--|--|--|
| ENGINE | Kubota V3800-CR-T-EU3 | 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 consolle with functions: increase and or switch off the electronic throttle | | | | |
| Cooling | Liq | | | | |
| Tank capacity (It) | 5 | 4 | | | |
| CHASSIS | Swinging integral chassis OS-F | FRAME with central articulation | | | |
| DRIVE | Four-wheel drive. Front-wheel drive diser | ngagement with electro-hydraulic control | | | |
| TRANSMISSION | 32 speeds synchronized gearbox: 16 FW | D and 16 REV with synchronized reverser | | | |
| POWER SHUTTLE EASYDRIVE® (optional) | Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose from | | | | |
| Transmission clutch | Multidisc in oil bath electronically-managed and pr | roportional hydraulic control with PRO-ACT System | | | |
| DIFFERENTIAL | Front and rear. Differential lock: front and rear simul | Itaneously or only rear with electro-hydraulic control | | | |
| AXLES | Front and rear with epicyclic reduction units. Fro | | | | |
| REAR PTO | Independent from the gearbox and synchronized with forwarding | | | | |
| PTO clutch | Multidisc in oil bath with | <u> </u> | | | |
| PTO rotation speed (rpm) | Standard: 540/540E - | | | | |
| HYDRAULIC SYSTEM | Double circuit with independe | • | | | |
| Flow rate to the hydroguide and the electro-hydraulic controls (It/min) | | 3 | | | |
| 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) REAR CONTROL VALVES | 180 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 joystic | | | | |
| ELECTRIC SYSTEM | Battery 100 Ah / 12 | | | | |
| Rear power outlets | 7 pin ar | | | | |
| REAR LIFT | Standard: by two external rams - | Optional: position and draft control | | | |
| Three-point hitches | Standard: standard couplers cat. 1 and 2. Opt | ional: quick couplings, L-shaped, cat. 1 and 2, | | | |
| <u> </u> | arms with adjustable length ar | · | | | |
| Three-point tie bar | Standard: with manual adjustment - Optional: hyd | | | | |
| Ball joint lifting capacity (kg) | 2,3 | | | | |
| FRONT LIFT (optional) | By two external rams with front protection and | | | | |
| Three-point hitches | Rigid with quick | | | | |
| Lifting capacity (kg) | 80 | | | | |
| DRIVING PLATFORM | · | uspended pedals mounted on rotating control column | | | |
| Steering wheel | With gas spring for easy tipping, safety belt and 'man on board sensor'. Sta | ole inclination | | | |
| Seat | | undard: commonable sprung seat, adjustable according to the driver's weig · '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 indipendent Brake-Off acting | as emergency brake with proportional action | | | |
| STEERING | Hydrostatic steering acting on central ar | ticulation. Flow deviator for steering unit | | | |
| SAFETY | Standard: front homologated roll-bar, with | gas springs for an easy lowering and lifting | | | |
| CABIN (optional) | Homolagated and sound-proof with monocoque body fitt With ventilation, heating system and air condition | ed on silent-block, beacon lamp and fabric covered seat. ning. 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: hou counter, battery voltage, fuel consumption, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm | | | |
| TYRES (standard) | | 80R18 | | | |
| Optional | 11.5/80-15.3 * 280/70R18 * 320/65R18 * 250/85R20 * 3 0 STG * 33x12.50-151 | 300/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC | | | |
| TOW HOOKS (standard) | Rear CUNA | A and front | | | |
| Optional | Rear tow hook: EC approved or EC appr | roved (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 | | | |
| | | | | | |



Orion L80 RS

4 in-line / 16 valves

2,482

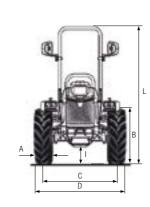
Turbo / Intercooler

Direct injection "Common rail" - 2000 bar

Kohler KDI 2504 TCR

Orion RS K105 | L80

| | 340/65R18 | 280/70R18 | 320/65R18 | 250/85R20 | 300/70R20 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| | with adjustable rim |
| A Tyre width (mm) | 343 | 282 | 320 | 245 | 286 |
| B Tyre diameter (mm) | 899 | 849 | 873 | 940 | 942 |
| C Wheel track min/max (mm) | 1098/1538 | 1098/1538 | 1098/1538 | 1046/1588 | 1134/1618 |
| D Width min/max (mm) | 1441/1881 | 1380/1820 | 1441/1881 | 1291/1833 | 1420/1904 |



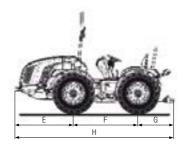
TECHNICAL FEATURES

ENGINE

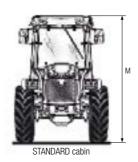
Fuel system

Number of cylinders

Displacement (cm³)

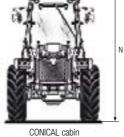


| | 320/70R20 | 340/65R20 | 31x15.50-15 XTC | 31x15.50-15 STG | 13.6-16 Garden |
|---|------------------------|------------------------|--------------------|--------------------|-------------------|
| | with adjustable rim | with adjustable rim | with fixed rim | with fixed rim | with fixed rim |
| A Tyre width (mm) | 316 | 343 | 368 | 394 | 391 |
| | 975 | 958 | 800 | 800 | 968 |
| C Wheel track min/max (mm) | 1134/1618 | 1134/1618 | 1260/1374 | 1260/1374 | 1240/1400 |
| D Width | 1450/1934 | 1477/1961 | 1628/1742 | 1654/1768 | 1631/1791 |



| - F-72 | 1 |
|--|---|
| | N |
| | |
| A STATE OF THE PARTY OF THE PAR | |

| Dimensions Orion K105 L80 RS (mm): | | | | | | | | |
|--------------------------------------|------|-----|------|--------------|--------------|--------------|--------------|--|
| Е | F | G | н | l min/max | L min/max | M min/max | N min/max | |
| 1348 | 1495 | 932 | 3775 | 184/294 | 2254/2364 | 2070/2180 | 2139/2249 | |



| 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 consolle with functions: increase and switch off the electronic throttle a | decrease of engine speed, memorize and recall a particular speed or | | | |
| Cooling | Liq | | | | |
| Tank capacity (It) | 54 | | | | |
| CHASSIS | Swinging integral chassis OS | -FRAME with steering wheels | | | |
| DRIVE | Four-wheel drive. Front-wheel drive diser | | | | |
| TRANSMISSION | 32 speeds synchronized gearbox: 16 FWI | · · · · · · · · · · · · · · · · · · · | | | |
| POWER SHUTTLE EASYDRIVE® (optional) | Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose fro | (with 3 position FWD-N-REV) installed on the left of steering wheel. | | | |
| Transmission clutch | Multidisc in oil bath electronically-managed and pr | roportional hydraulic control with PRO-ACT System | | | |
| DIFFERENTIAL | Front and rear. Differential lock: front and rear simul | Itaneously or only rear with electro-hydraulic control | | | |
| AXLES | Front and rear with epicyclic reduction units. Fro | ont axle, oscillating in the middle (approx. ±15°) | | | |
| REAR PTO | Independent from the gearbox and synchronized with forwarding | , , , | | | |
| PTO clutch | Multidisc in oil bath with | | | | |
| PTO rotation speed (rpm) | Standard: 540/540E - | | | | |
| HYDRAULIC SYSTEM | Double circuit with independe | | | | |
| Flow rate to the hydroguide and the electro-hydraulic controls (lt/min) | - | 3 | | | |
| Flow rate to the lift and the control valves (It/min) | 30 (optional oversized pur | - | | | |
| Maximum hydraulic pressure (bar) | 18 | · · · · · · · · · · · · · · · · · · · | | | |
| REAR CONTROL VALVES | Mechanic | | | | |
| Standard | 2 double | | | | |
| Optional and in addition to the standard ones | 1 single acting and 1 double acting or 1 do | | | | |
| Optional and in addition to the standard ones | | | | | |
| 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 - | | | | |
| Three-point hitches | Standard: standard couplers cat. 1 and 2. Optional: quick couplings ped, cat. 1 and 2, arms with adjustable | length and hooks with adjustable width. | | | |
| Three-point tie bar | Standard: with manual adjustment - Optional: hyd | | | | |
| Ball joint lifting capacity (kg) | 2,3 | | | | |
| 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) | 80 | 00 | | | |
| DRIVING PLATFORM | Reversible with platform suspended on silent block. S | uspended pedals mounted on rotating control column | | | |
| Steering wheel | With adjustat | ole inclination | | | |
| Seat | With gas spring for easy tipping, saf Standard: comfortable sprung seat, adjustable according to the driv | fety belt and 'man on board sensor'. er'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 indipendent Brake-Off acting | as emergency brake with proportional action | | | |
| STEERING | Hydrostatic steering acting on front v | heels. Flow deviator for steering unit | | | |
| SAFETY | Standard: front homologated roll-bar, with | gas springs for an easy lowering and liftin | | | |
| CABIN (optional) | | block, beacon lamp and fabric covered seat. With ventilation, heating le 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) | 280/7 | OR18 | | | |
| Optional | 340/65R18 * 320/65R18 * 250/85R20 * 300/70R20 * 320/70F | R20 * 340/65R20 * 31x15.50-15 XTC or STG * 13.6-16 Garden | | | |
| TOW HOOKS (standard) | Rear CUNA | A and front | | | |
| Optional | Rear tow hook: EC approved or EC appr | roved (Slider type) or CUNA (Slider type) | | | |
| WEIGHT in order of speed | 2,385 | 2,315 | | | |
| With roll-bar (kg) | 2,530 | 2,460 | | | |
| OPTIONAL | Front bumper, Beacon lamp, Front weight, We | · · | | | |
| | | | | | |

Orion K105 RS

Kubota V3800-CR-T-EU3

4 in-line

3,769

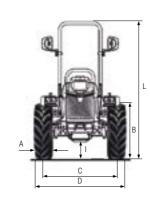
Turbo

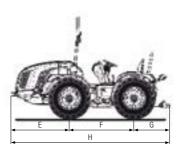
Direct injection "Common rail"



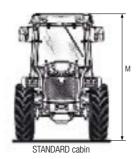
Orion DUALSTEER® K105 | L80

| | 340/65R18 | 280/70R18 | 320/65R18 | 250/85R20 | 300/70R20 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| | with adjustable rim |
| A Tyre width (mm) | 343 | 282 | 320 | 245 | 286 |
| B Tyre diameter (mm) | 899 | 849 | 873 | 940 | 942 |
| C Wheel track min/max (mm) | 1098/1538 | 1098/1538 | 1098/1538 | 1046/1588 | 1134/1618 |
| D Width min/max (mm) | 1441/1881 | 1380/1820 | 1441/1881 | 1291/1833 | 1420/1904 |





| | 320/70R20 | 340/65R20 | 31x15.50-15 XTC | 31x15.50-15 STG | 13.6-16 Garden |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| | with adjustable rim |
| | 316 | 343 | 368 | 394 | 391 |
| | 975 | 958 | 800 | 800 | 968 |
| C Wheel track min/max (mm) | 1134/1618 | 1134/1618 | 1260/1374 | 1260/1374 | 1240/1400 |
| D Width | 1450/1934 | 1477/1961 | 1628/1742 | 1654/1768 | 1631/1791 |



| Dimensions Orion K105 L80 DUALSTEER® (mm): | | | | | | | | |
|--|------|-----|------|--------------|--------------|--------------|--------------|--|
| | F | | Н | l min/max | L min/max | M min/max | N min/max | |
| 1348 | 1495 | 932 | 3775 | 161/271 | 2254/2364 | 2070/2180 | 2139/2249 | |

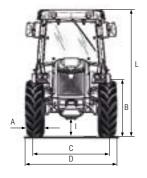


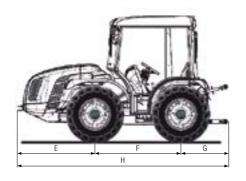
| TECHNICAL FEATURES | Orion K105 DUALSTEER® | Orion L80 DUALSTEER® | | |
|---|--|---|--|--|
| ENGINE | Kubota V3800-CR-T-EU3 | Kohler KDI 2504 TCR | | |
| Number of cylinders | 4 in-line | 4 in-line / 16 valves | | |
| Displacement (cm³) | 3,769 | 2,482 | | |
| Intake | Turbo | Turbo / Intercooler | | |
| 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 consolle with functions: increase and or switch off the electronic throttle | | | |
| Cooling | Liq | uid | | |
| Tank capacity (It) | 5 | | | |
| CHASSIS | Swinging integral chassis OS-FRAME with | · | | |
| DRIVE | Four-wheel drive. Front-wheel drive diser | • | | |
| TRANSMISSION | 32 speeds synchronized gearbox: 16 FWI | | | |
| POWER SHUTTLE EASYDRIVE® (optional) | Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose from | m 5 levels of reactivity | | |
| Transmission clutch | Multidisc in oil bath electronically-managed and pr | | | |
| DIFFERENTIAL | Front and rear. Differential lock: front and rear simul | · · · · · · · · · · · · · · · · · · · | | |
| AXLES | Front and rear with epicyclic reduction units. Fro | | | |
| REAR PTO | Independent from the gearbox and synchronized with forwarding | 1 00 | | |
| PTO clutch | Multidisc in oil bath with | | | |
| PTO rotation speed (rpm) | Standard: 540/540E - | | | |
| HYDRAULIC SYSTEM | Double circuit with independer | • | | |
| Flow rate to the hydroguide and the electro-hydraulic controls (lt/min) | 3 | | | |
| Flow rate to the lift and the control valves (It/min) | (optional oversized pump | with flow rate 49 lt/min) | | |
| Maximum hydraulic pressure (bar) | 18 | | | |
| REAR CONTROL VALVES | Mechanic O david | | | |
| Standard Optional and in addition to the standard area | 2 double | | | |
| 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 With proportional electronic control of lifts and control valves consisting of: 1 single acting with adjustable flow and free return, | | | |
| Joystick (optional) | 5 double acting (replacing the standard ones) and oversized pump | | | |
| ELECTRIC SYSTEM | Battery 100 Ah / 12 | V - Alternator 95 A | | |
| Rear power outlets | 7 pin ar | nd 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 couplir L-shaped, cat. 1 and 2, arms with adjustat | | | |
| Three-point tie bar | Standard: with manual adjustment - Optional: hyd | Iraulically controlled upper link and tie rod link arm | | |
| Ball joint lifting capacity (kg) | 2,3 | 00 | | |
| 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) | 80 | 00 | | |
| DRIVING PLATFORM | Reversible with platform suspended on silent block. S | · · · · | | |
| Steering wheel | With adjustat | | | |
| Seat | With gas spring for easy tipping, saf Standard: comfortable sprung seat, adjustable according to the drivi | ety belt and 'man on board sensor'. er's weight - Optional: 'Kab Seating' or 'Grammer' pneumatic seat | | |
| SERVICE BRAKES | Oil bath discs with hydrostatic control, acting on the four | * * | | |
| Parking brake | Automatic and indipendent Brake-Off acting Double steering system DUALSTEER® with 4-cylinders. Hydro | • | | |
| STEERING SAFETY | Flow deviator for Standard: front homologated roll-bar, with g | or steering unit | | |
| SAFEIT | | | | |
| CABIN (optional) | Homolagated and sound-proof with monocoque body fitte With ventilation, heating system and air condition | ning. 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) | 280/7 | | | |
| Optional | 340/65R18 * 320/65R18 * 250/85R20 * 300/70R20 * 320/70F | | | |
| TOW HOOKS (standard) | Rear CUNA | | | |
| Optional | Rear tow hook: EC approved or EC appr | oved (Slider type) or CUNA (Slider type) | | |
| WEIGHT in order of speed | | | | |
| With roll-bar (kg) | 2,450 | 2,380 | | |
| With cabin (kg) | 2,580 Front bumper, Beacon lamp, Front weight, We | 2,510 | | |
| OPTIONAL | | name on window recover carriori illier for carlifi | | |



Orion MT K105

| ı | 31x15.50-15 | 31x15.50-15 | 440/50R17 | 425/55R17 | |
|---|-------------------|-------------------|-------------------|-------------------|------------------------|
| | XTC | STG | ALL GROUND | AC70G | 340/65R20 |
| | with fixed rim | with fixed rim | with fixed rim | with fixed rim | with adjustable rim |
| A Tyre width (mm) | 368 | 394 | 431 | 430 | 343 |
| B Tyre diameter (mm) | 800 | 800 | 873 | 884 | 958 |
| C Wheel track min/max (mm) | 1510 | 1510 | 1476 | 1476 | 1354/1618 |
| D Width min/max (mm) | 1878 | 1904 | 1907 | 1906 | 1697/1961 |





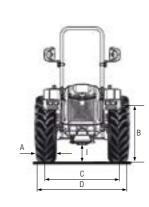
| Dimensions Orion K105 MT (mm): | | | | | | | |
|--------------------------------|------|-----|------|--------------|--------------|--|--|
| E | F | G | н | l min/max | L min/max | | |
| 1348 | 1495 | 932 | 3775 | 184/294 | 2070/2180 | | |

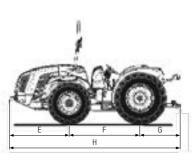
| TECHNICAL FEATURES | Orien V4 OF BRT |
|---|---|
| TECHNICAL FEATURES | Orion K105 MT |
| ENGINE | Kubota V3800-CR-T-EU3 |
| Number of cylinders | 4 in-line |
| Displacement (cm³) | 3,769 |
| Intake | Turbo |
| Fuel system | Direct injection "Common rail" |
| Emission level | Stage 3B |
| Balancing | Counter-balance shafts |
| Power (kW/HP) | 72.1/98 |
| Rated speed (rpm) | 2,400 |
| Maximum torque (Nm/rpm) | 330 / 1,500 |
| Speed management | Electronically regulated with a consolle 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 (It) | 54 |
| Air filter | Integrated cyclone prefilter with high-performance air filter and front air intake |
| CHASSIS | Swinging integral chassis OS-FRAME with 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 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: 540/1,000 - Optional: 540/540E |
| 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 |
| Maximum hydraulic pressure (bar) | 180 |
| REAR CONTROL VALVES | 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). Potentiometer to change the sensibility of the joystick |
| ELECTRIC OVOTER | |
| ELECTRIC SYSTEM | Battery 100 Ah / 12 V - Alternator 95 A |
| Rear power outlets | 7 pin and 3 pin |
| REAR LIFT | 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 |
| 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 | Wider version, reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column |
| Steering wheel | With any parise for each tipping refet; but and large on board engage |
| 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: '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 indipendent Brake-Off acting as emergency brake with proportional action |
| STEERING | Hydrostatic steering acting on front wheels. Flow deviator for steering unit |
| SAFETY | Standard: semi-cabin and beacon lamp |
| CABIN (optional) | Homolagated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning |
| 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 |
| TYRES (standard) | 31x15.50-15 XTC |
| Optional | 340/65R20 * 31x15.50-15 STG * 440/50-17 All-Ground * 425/55-17 AC70G |
| TOW HOOKS (standard) | Rear CUNA and front |
| | Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type) |
| Optional | |
| Optional WEIGHT in order of speed | |
| WEIGHT in order of speed | 2.480 |
| • | 2,480 2,560 |



Orion SDT RS K105 | L80

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



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

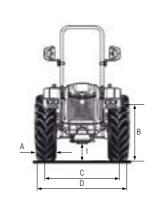


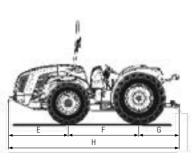
| TECHNICAL FEATURES | Orion K105 SDT RS | Orion L80 SDT RS | |
|--|--|---|--|
| ENGINE | Kubota V3800-CR-T-EU3 | Kohler KDI 2504 TCR | |
| Number of cylinders | 4 in-line | 4 in-line / 16 valves | |
| Displacement (cm³) | 3,769 | 2,482 | |
| Intake | Turbo | Turbo / Intercooler | |
| Fuel system | Direct 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 consolle with functions: increase and or switch off the electronic throttle | | |
| Cooling | Liqi | uid | |
| Tank capacity (It) | 70 lt (version with roll-bar) | - 54 lt (version with cabin) | |
| CHASSIS | Swinging integral chassis OS- | FRAME with steering wheels | |
| DRIVE | Four-wheel drive. Front-wheel drive diser | ngagement with electro-hydraulic control | |
| TRANSMISSION | 32 speeds synchronized gearbox: 16 FWI | * | |
| POWER SHUTTLE EASYDRIVE® (optional) | Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose fro | m 5 levels of reactivity | |
| Transmission clutch DIFFERENTIAL | Multidisc in oil bath electronically-managed and pr | | |
| AXLES | Front and rear. Differential lock: front and rear simul Front with epicyclic reduction units and rear with bull-gear | | |
| REAR PTO | Independent from the gearbox and synchronized with forwarding | , , , | |
| PTO clutch | Multidisc in oil bath with | | |
| PTO rotation speed (rpm) | Standard: 540/540E - | • | |
| HYDRAULIC SYSTEM | Double circuit with independer | | |
| Flow rate to the steering unit and the electro-hydraulic controls (lt/min) | Boable circuit war independen | | |
| , , , | 3 | | |
| Flow rate to the lift and the control valves (lt/min) | (optional oversized pump | with flow rate 49 lt/min) | |
| Maximum hydraulic pressure (bar) | 18 | 30 | |
| REAR CONTROL VALVES | Mechanic | | |
| 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 joystic | | |
| ELECTRIC SYSTEM | Battery 100 Ah / 12 | | |
| Rear power outlets | 7 pin an | | |
| REAR LIFT | Standard: by two external rams - | <u> </u> | |
| Three-point hitches | Standard: standard couplers cat. 1 and 2. Optional: quick couplings | | |
| ` | L-shaped, cat. 1 and 2, arms with adjustat | * | |
| Three-point tie bar | Standard: with manual adjustment - Optional: hyd | | |
| Ball joint lifting capacity (kg) | 2,7 | | |
| FRONT LIFT (optional) | With front protection and 2 double a | <u> </u> | |
| Three-point hitches | Rigid with quick | | |
| Lifting capacity (kg) | 80 | | |
| DRIVING PLATFORM | Monodirectional with platform suspended on silent b | · · · | |
| Steering wheel | With adjustab With safety belt and 'man on board sensor'. Standard: comforta | | |
| Seat | Optional: 'Kab Seating' or ' | | |
| SERVICE BRAKES | Oil bath discs with hydrostatic control, acting on the four | | |
| Parking brake | Standard: acting on the rear tr Optional: automatic and indipendent Brake-Off ac | | |
| STEERING | Hydrostatic steering act | | |
| SAFETY | Standard: front homologated roll-bar, with g | • | |
| CABIN (optional) | Compact AIRTECH version, pressurised and homologated cat. 4. Sound | d-proof with monocoque body fitted on silent-block, beacon lamp | |
| (optional) | fabric covered seat. Safety cell integrated in the structure, instrument | | |
| 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) | 260/70R16* | * * | |
| Optional | 260/70R16*340/65R20 - 280/70-18*360/70R20 - 280/70-18*3 | | |
| | Rear CUNA | | |
| TOW HOOKS (standard) | | oved (Slider type) or CUNA (Slider type) | |
| TOW HOOKS (standard) Optional | riour torr ricorn 20 approved or 20 appr | | |
| Optional | roal to ricona 20 approved or 20 appr | | |
| , , | 2,520 | 2,450 | |
| Optional WEIGHT in order of speed | | 2,450 2,630 | |



Orion SDT DUALSTEER® K105 | L80

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



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



| TECHNICAL FEATURES | Orion K105 SDT DUALSTEER® | Orion L80 SDT DUALSTEER® | |
|---|---|---|--|
| ENGINE | Kubota V3800-CR-T-EU3 | 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 consolle with functions: increase and or switch off the electronic throttle | | |
| Cooling | Liq | | |
| Tank capacity (It) | 70 lt (version with roll-bar) | | |
| CHASSIS | Swinging integral chassis OS-FRAME with | · | |
| DRIVE | Four-wheel drive. Front-wheel drive diser | • | |
| TRANSMISSION | 32 speeds synchronized gearbox: 16 FWI | | |
| POWER SHUTTLE EASYDRIVE® Transmission clutch | Electro-hydraulic power shuttle electronically actuated with the lever Possibility to choose fro Multidisc in oil bath electronically-managed and pr | m 5 levels of reactivity | |
| DIFFERENTIAL | Front and rear. Differential lock: front and rear simul | | |
| AXLES | Front with epicyclic reduction units and rear with bull-gear | · · · · · · · · · · · · · · · · · · · | |
| REAR PTO | Independent from the gearbox and synchronized with forwarding | , | |
| PTO clutch | Multidisc in oil bath with | | |
| PTO rotation speed (rpm) | Standard: 540/540E - | · · · · · · · · · · · · · · · · · · · | |
| HYDRAULIC SYSTEM | Double circuit with independer | • | |
| Flow rate to the steering unit and the electro-hydraulic controls (lt/min) | 3 | • • • | |
| Flow rate to the lift and the control valves (lt/min) | 3 | | |
| , , | (optional oversized pump | · | |
| Maximum hydraulic pressure (bar) | 18 | | |
| REAR CONTROL VALVES | Mechanic | | |
| 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 joystic | | |
| ELECTRIC SYSTEM | Battery 100 Ah / 12 V - Alternator 95 A | | |
| Rear power outlets | 7 pin an | | |
| 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 adjustate | • | |
| Three-point tie bar | Standard: with manual adjustment - Optional: hyd | * | |
| Ball joint lifting capacity (kg) FRONT LIFT (optional) | 2,7 | | |
| · · · / | With front protection and 2 double a | * | |
| Three-point hitches Lifting capacity (kg) | Rigid with quick 80 | , , | |
| DRIVING PLATFORM | Monodirectional with platform suspended on silent b | | |
| Steering wheel | With adjustab | | |
| · | With safety belt and 'man on board sensor'. Standard: comforte | | |
| Seat | Optional: 'Kab Seating' or ' | Grammer' pneumatic seat | |
| SERVICE BRAKES | Oil bath discs with hydrostatic control, acting on the four | | |
| Parking brake | Standard: acting on the rear tr Optional: automatic and indipendent Brake-Off ac | | |
| STEERING | Double steering system DUALSTEER® with 4-cylinders. Hydro | | |
| SAFETY | | * * | |
| CABIN (optional) | Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting Compact AIRTECH version, pressurised and homologated cat. 4. Sound-proof with monocoque body fitted on silent-block, beacon lamp fabric covered seat. Safety cell integrated in the structure, instrument panel and air ducts (car type). Air conditioning system and Brake- | | |
| | | | |
| 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. | With multi-function colour and digital display complete with hour counter, battery voltage, fuel consumption, simultaneou reading of engine speed, forwarding speed and PTO speed. | |
| TVRES (ctandard) | Warning lights and acoustic alarm | Warning lights and acoustic alarm | |
| TYRES (standard) Ontional | 260/70R16* 260/70R16*340/65R20 - 280/70-18*360/70R20 - 280/70-18* | | |
| Optional | | | |
| TOW HOOKS (etandard) | Rear CUNA | | |
| , , | Roar tom book Et, approved or Et, appr | CONTRACTOR DESIGNATION OF THE PROPERTY OF THE | |
| Optional | Rear tow hook: EC approved or EC appr | orea (enace type) or contribution type) | |
| Optional WEIGHT in order of speed | | | |
| TOW HOOKS (standard) Optional WEIGHT in order of speed With roll-bar (kg) With Compact cabin (kg) | 2,570 2,700 | 2,500 2,630 | |