

VALIANT 60



language



VALIANT 60 RANGE

A range of isodiametric, compact and multifunctional tractors, consisting of three different versions, each designed and built to meet the specific needs of specialised agriculture and greens maintenance.

AR – Chassis with central articulation, narrow wheel track and contained turning radii.

AR MICRO – Chassis with central articulation, narrow track width and premium hydraulic system.

RS – Chassis with steering wheels, stability and adherence for use also in sloping areas.

Equipped with a 49 hp Stage V engine, the Valiant 60 range is characterised by essential equipment but with a wide choice of options.

VALIANT 60 ARE THE ONLY TRACTORS IN THEIR PRICE BRACKET THAT OFFER REVERSIBILITY OF THE DRIVER'S SEAT IN BOTH THE AR AND RS VERSIONS.





MAXIMUM EFFICIENCY

The **24-speed synchronised gearbox** (12 FWD + 12 REV), divided into three ranges each with four speeds, allows the most appropriate gear to be selected for the job at hand at all times, making the most of the engine power and making the machine highly productive under all circumstances.

The **synchronised inverter** also allows rapid changes of direction, shifting from forward to reverse and vice versa, offering an important advantage during jobs requiring frequent reversals.

Constant four-wheel drive, the front and rear differential with electro-hydraulically operated and simultaneous locking, as well as the unique OS-Frame with +/-15° oscillation between the front and rear axles, ensure the tractor has **maximum grip on the ground**.

The **multidisc in oil bath clutch** is significantly softer and better performing than conventional dry clutches. The adoption of this type of hydraulic clutch, fitted within the transmission, results in a number of concrete advantages:

- greater durability,
- absence of maintenance,
- maximum manoeuvrability thanks to the tractor's more compact dimensions.

The **hydraulic system** consists of two independent pumps: one pump dedicated exclusively to steering and electro-hydraulic controls and the other dedicated to the rear lift and 7 hydraulic outlets (available as an option) for the use of a wide range of equipment.

CLEAN POWER

The Valiant 60 range is equipped with a Kohler 3-cylinder Turbo Intercooler engine which develops 49 hp @2,600 rpm.

Water cooled, it ensures high power with low consumption and a generous torque of 190 Nm @1500 rpm.

The air intake grille is also large to facilitate engine cooling.

The tractor bonnet opening system allows full accessibility to the engine compartment during overhaul and maintenance operations, making them quick and easy.



HABITABILITY AND COMFORT

The driver's seat is made to-measure for the driver with all of the controls set up ergonomically and easy to use.

From the seat, the operator has a full and unobstructed view of both machine and implement.

The modern dashboard integrates a digital colour display and diagnostics menu for total control of the tractor's status.



REVERSIBILITY

Available as an option, the **reversible driver's seat** makes it possible to work professionally with the attachment positioned in front.

It takes just a few seconds to turn the operator's module, composed of seat, steering wheel and dashboard, by 180° so as to work with extreme precision, quickly, comfortably and safely.

The reversible driver's seat becomes an indispensable ally when working in vineyards and orchards, handling material with fork-lift, mowing forage, greens maintenance and clearing snow.

VALIANT 60 AR **Micro**

Valiant 60 AR Micro is a hyper-specialised tractor intended for viticulture that requires vehicles with **narrow track widths** and **powerful hydraulics** to handle vineyard-specific equipment.

The Micro is in fact the super narrow articulated version characterised by an **overall width of only 95 cm!**

The **standard reversible driving position** also makes it possible to work in a practical and safe manner both with towed and front-mounted attachments.

The fenders, essential and with a soft rubber profile, in harmony with the new bonnet are also kind to the rich vegetation of the environment in which they operate.

PREMIUM HYDRAULIC SYSTEM

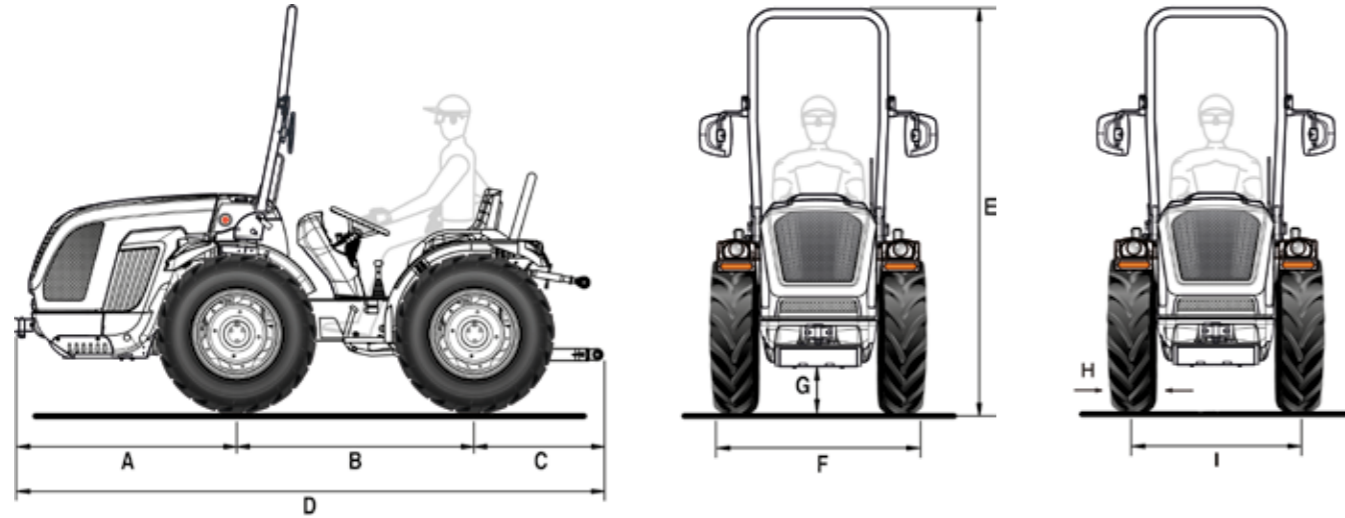
Indispensable for optimum work in viticulture and specialised agriculture, a Premium hydraulic system is available as an option, which includes:

- Pump with increased flow rate for lift and directional control valves of 33.5 l/min
- Heat exchanger
- Flow divider for oil management on different directional control valves
- Seven rear hydraulic outlets



VALIANT 60 AR

Data Sheet



| A | B | C | D | E min/max | F min/max | G min/max |
|------|------|-----|------|--------------|--------------|--------------|
| 1248 | 1340 | 779 | 3367 | 2180 / 2260 | 1002 / 1438 | 200 / 275 |

* Dimensions in mm

| | 8.25-16 with adjustable rim | 210/95 R16 (7.50-16) with adjustable rim | 250/80-18 with adjustable rim | 280/70 R18 with adjustable rim | 280/70 R18 Garden with adjustable rim |
|---|--------------------------------|---|----------------------------------|-----------------------------------|---|
| H | 229 | 208 | 240 | 275 | 275 |
| I | 794 / 1110 | 794 / 1110 | 865 / 1107 | 869 / 1119 | 869 / 1119 |
| F | 1023 / 1339 | 1002 / 1318 | 1105 / 1347 | 1144 / 1394 | 1144 / 1394 |

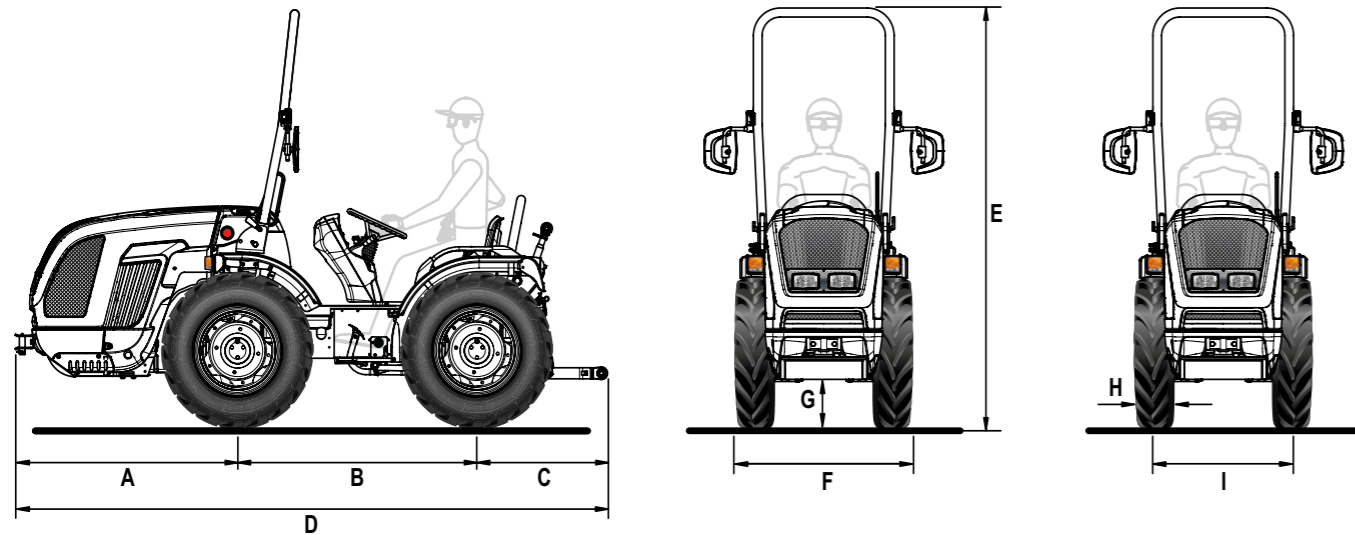
| | 320/65 R18 with adjustable rim | 260/70 R20 with adjustable rim | 31x15.50-15 XTC with fixed rim | 31x15.50-15 STG with fixed rim | 33x15.50-15 XTC with fixed rim |
|---|-----------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| H | 319 | 258 | 368 | 394 | 391 |
| I | 931 / 1119 | 846 / 1120 | 1003 | 1003 | 1003 |
| F | 1250 / 1438 | 1104 / 1378 | 1371 | 1397 | 1394 |

* Dimensions in mm - min / max
H = Tyre width - I = Wheel track - F = Tractor width

| TECHNICAL FEATURES | VALIANT 60 AR |
|---|--|
| ENGINE | Kohler KDI 1903 TCA Diesel common rail direct injection Turbo intercooler 3 cylinders 1861 cc Liquid cooling Stage V |
| Power | 36 kW / 49 hp @2600 rpm Max torque 190 Nm@1500 rpm |
| CHASSIS | Swinging integral chassis (±15°) OS-FRAME with central articulation |
| DRIVE | Permanent four-wheel drive |
| TRANSMISSION | 24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser |
| Min/max travel speed (km/h) | 0.7 / 35 |
| Transmission clutch | Multidisc in oil bath |
| DIFFERENTIAL | Front and rear with simultaneous locking and electro-hydraulic control |
| AXLES | Front and rear with planetary reduction units |
| REAR PTO | Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO |
| PTO clutch | Multidisc in oil bath with electro-hydraulic control |
| PTO rotation speed (rpm) | 540 |
| HYDRAULIC SYSTEM | Dual circuit with independent pumps |
| Hydraulic pump flow rate of the power steering and electro-hydraulic controls (l/min) | 17.5 |
| Hydraulic pump flow rate of the lift and control valves (l/min) | 23 |
| Maximum hydraulic pressure (bar) | 180 |
| REAR CONTROL VALVES | Mechanically controlled |
| Standard | With rear up/down lift: 1 double-acting (total 2 hydraulic outlets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets) |
| Optional | With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return |
| REAR LIFT | By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled |
| 3-point implement hitch | Standard: Normal couplings cat. 1 - Optional: Quick-couplings cat. 1, L-shaped, arms adjustable in length and hooks adjustable in width |
| Third point tie rod | With manual adjustment |
| Ball joint lifting capacity (kg) | 1200 |
| DRIVING POSITION | Monodirectional or Reversible with rotating platform and twin pedal assembly |
| Steering wheel | Standard: fixed - Optional: height adjustable |
| Seat | Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor |
| SERVICE BRAKES | Multidisc in oil bath with mechanical control, acting on the rear wheels |
| Parking brake | Acting on service brakes |
| STEERING | Hydrostatic steering acting on the central joint. Flow deviator for steering unit in the reversible version |
| SAFETY | Front homologated roll-bar with gas spring for easy lowering and lifting |
| DASHBOARD | Instrument panel with analogue gauges and TFT digital colour display. Warning lights and horn |
| ELECTRIC SYSTEM | Battery 80 Ah / 12 V - Alternator 95 A |
| Standard equipment | Vehicle Control Unit, street light and indicator system, single-pole dashboard socket, rear 7-pin socket |
| TYRES | 8.25-16 * 210/95R16 (7.50-16) * 250/80-18 * 280/70R18 * 280/70R18 Garden * 320/65R18 * 260/70R20 * 31x15.50-15 XTC * 31x15.50-15 STG * 33x15.50-15 XTC |
| TOW HOOKS | Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved |
| RUNNING ORDER WEIGHT | With roll-bar: 1700 kg |
| ADDITIONAL OPTIONS | Front bumper, beacon lamp, front LED working lights, rear adjustable working light, Self Cleaning System™, front weights 110 kg total and wheel weights 45 kg each |

VALIANT 60 AR **micro**

Data Sheet



| A | B | C | D | E min/max | F min/max | G min/max |
|------|------|-----|------|--------------|--------------|--------------|
| 1248 | 1340 | 779 | 3367 | 2251 / 2274 | 950 / 1322 | 253 / 279 |

* Dimensions in mm

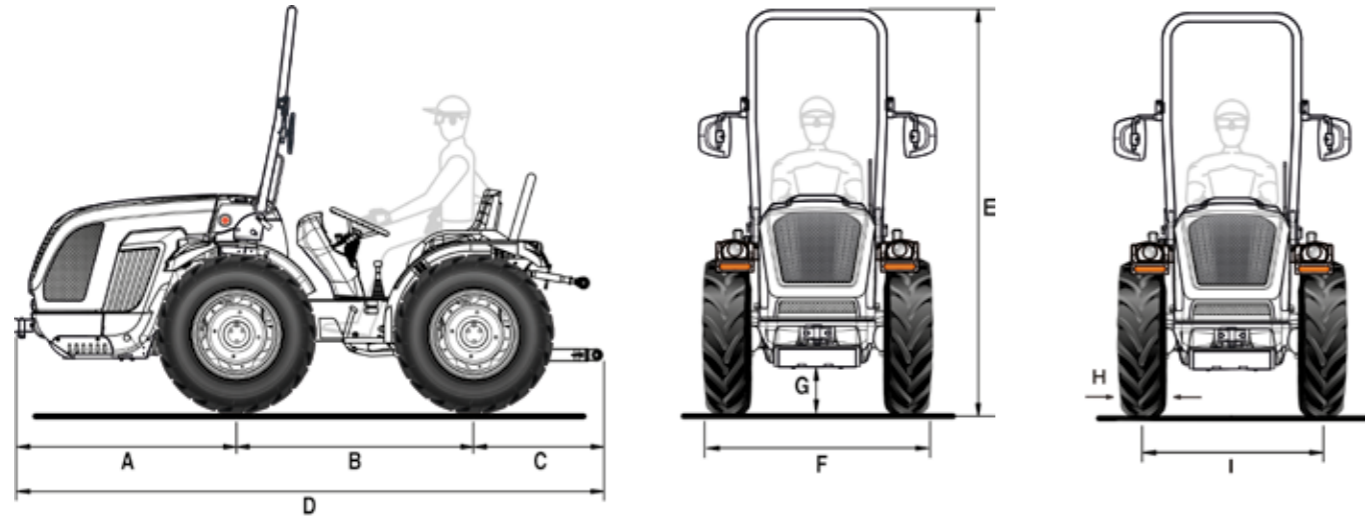
| | 8.25-16 | 7.00-18 | 210/95 R18 |
|----------|---------------------|----------------|----------------|
| | with adjustable rim | with fixed rim | with fixed rim |
| H | 212 | 178 | 208 |
| I | 770 / 1110 | 772 / 1130 | 795 / 1103 |
| F | 982 / 1322 | 950 / 1308 | 1003 / 1311 |

* Dimensions in mm - min / max
H = Tyre width - I = Wheel track - F = Tractor width

| TECHNICAL FEATURES | VALIANT 60 AR MICRO |
|---|---|
| ENGINE | Kohler KDI 1903 TCA Diesel common rail direct injection Turbo intercooler 3 cylinders 1861 cc Liquid cooling Stage V |
| Power | 36 kW / 49 hp @2600 rpm Max torque 190 Nm@1500 rpm |
| CHASSIS | Swinging integral chassis (±15°) OS-FRAME with central articulation |
| DRIVE | Permanent four-wheel drive |
| TRANSMISSION | 24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser |
| Min/max travel speed (km/h) | 0.7 / 35 |
| Transmission clutch | Multidisc in oil bath |
| DIFFERENTIAL | Front and rear with simultaneous locking and electro-hydraulic control |
| AXLES | Front and rear with planetary reduction units |
| REAR PTO | Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO |
| PTO clutch | Multidisc in oil bath with electro-hydraulic control |
| PTO rotation speed (rpm) | 540 |
| HYDRAULIC SYSTEM | Dual circuit with independent pumps |
| Hydraulic pump flow rate of the power steering and electro-hydraulic controls (l/min) | 17.5 |
| Hydraulic pump flow rate of the lift and control valves (l/min) | 23 |
| Maximum hydraulic pressure (bar) | 180 |
| REAR CONTROL VALVES | Mechanically controlled |
| Standard | With rear up/down lift: 1 double-acting (total 2 hydraulic outlets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets) |
| Optional | With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return |
| "PREMIUM" HYDRAULIC SYSTEM (optional) | Available for up/down lift and including: oversized hydraulic pump of the lift and control valves with 33.5 l/min flow rate, heat exchanger, flow divider and 7 total hydraulic outlets with free flow oil return |
| REAR LIFT | By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled |
| 3-point implement hitch | Standard: Normal couplings cat. 1 - Optional: Quick-couplings cat. 1, L-shaped, arms adjustable in length and hooks adjustable in width and hydraulically controlled upper link and tie rod link arm |
| Third point tie rod | Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm (only with quick-couplings) |
| Ball joint lifting capacity (kg) | 1200 |
| DRIVING POSITION | Reversible with rotating platform and twin pedal assembly |
| Steering wheel | Standard: fixed - Optional: height adjustable |
| Seat | Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor |
| SERVICE BRAKES | Multidisc in oil bath with mechanical control, acting on the rear wheels |
| Parking brake | Acting on service brakes |
| STEERING | Hydrostatic steering acting on the central joint. Flow deviator for steering unit |
| SAFETY | Front homologated roll-bar with gas spring for easy lowering and lifting |
| DASHBOARD | Instrument panel with analogue gauges and TFT digital colour display. Warning lights and horn |
| ELECTRIC SYSTEM | Battery 80 Ah / 12 V - Alternator 95 A |
| Standard equipment | Vehicle Control Unit, street light and indicator system, single-pole dashboard socket, rear 7-pin socket |
| TYRES | 8.25-16 * 7.00-18 * 210/95R18 |
| TOW HOOKS | Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved |
| RUNNING ORDER WEIGHT | With roll-bar: 1590 kg |
| ADDITIONAL OPTIONS | Front bumper, beacon lamp, rear adjustable working light, front weights 110 kg total |

VALIANT 60 RS

Data Sheet



| A | B | C | D | E min/max | F min/max | G min/max |
|------|------|-----|------|--------------|--------------|--------------|
| 1248 | 1340 | 779 | 3367 | 2180 / 2260 | 1207 / 1643 | 200 / 275 |

* Dimensions in mm

| | 8.25-16 with adjustable rim | 210/95 R16 (7.50-16) with adjustable rim | 250/80-18 with adjustable rim | 280/70 R18 with adjustable rim | 280/70 R18 Garden with adjustable rim |
|---|--------------------------------|---|----------------------------------|-----------------------------------|---|
| H | 229 | 208 | 240 | 275 | 275 |
| I | 999 / 1305 | 999 / 1305 | 996 / 1312 | 984 / 1324 | 984 / 1324 |
| F | 1228 / 1534 | 1207 / 1513 | 1236 / 1552 | 1259 / 1599 | 1259 / 1599 |

| | 320/65 R18 with adjustable rim | 260/70R20 with adjustable rim | 31x15.50-15 XTC with fixed rim | 31x15.50-15 STG with fixed rim | 33x15.50-15 XTC with fixed rim |
|---|-----------------------------------|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| H | 319 | 258 | 368 | 394 | 391 |
| I | 1074 / 1324 | 987 / 1325 | 1100 / 1208 | 1100 / 1208 | 1100 / 1208 |
| F | 1393 / 1643 | 1245 / 1583 | 1468 / 1576 | 1494 / 1602 | 1491 / 1599 |

* Dimensions in mm - min / max
H = Tyre width - I = Wheel track - F = Tractor width

| TECHNICAL FEATURES | VALIANT 60 RS |
|---|--|
| ENGINE | Kohler KDI 1903 TCA Diesel common rail direct injection Turbo intercooler 3 cylinders 1861 cc Liquid cooling Stage V |
| Power | 36 kW / 49 hp @2600 rpm Max torque 190 Nm@1500 rpm |
| CHASSIS | Swinging integral chassis (±15°) OS-FRAME with steering wheels |
| DRIVE | Permanent four-wheel drive |
| TRANSMISSION | 24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser |
| Min/max travel speed (km/h) | 0.7 / 35 |
| Transmission clutch | Multidisc in oil bath |
| DIFFERENTIAL | Front and rear with simultaneous locking and electro-hydraulic control |
| AXLES | Front and rear with planetary reduction units |
| REAR PTO | Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO |
| PTO clutch | Multidisc in oil bath with electro-hydraulic control |
| PTO rotation speed (rpm) | 540 |
| HYDRAULIC SYSTEM | Dual circuit with independent pumps |
| Hydraulic pump flow rate of the power steering and electro-hydraulic controls (l/min) | 17.5 |
| Hydraulic pump flow rate of the lift and control valves (l/min) | 23 |
| Maximum hydraulic pressure (bar) | 180 |
| REAR CONTROL VALVES | Mechanically controlled |
| Standard | With rear up/down lift: 1 double-acting (total 2 hydraulic outlets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets) |
| Optional | With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return |
| REAR LIFT | By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled |
| 3-point implement hitch | Standard: Normal couplings cat. 1 - Optional: Quick-couplings cat. 1 (arms not adjustable in length) or Quick-couplings cat. 1 and 2, L-shaped, arms adjustable in length and hooks adjustable in width |
| Third point tie rod | With manual adjustment |
| Ball joint lifting capacity (kg) | 1200 |
| DRIVING POSITION | Monodirectional or Reversible with rotating platform and twin pedal assembly |
| Steering wheel | Standard: fixed - Optional: height adjustable |
| Seat | Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor |
| SERVICE BRAKES | Multidisc in oil bath with mechanical control, acting on the rear wheels. Independent manoeuvring brakes acting on the rear wheels |
| Parking brake | Acting on service brakes |
| STEERING | Hydrostatic steering acting on the front wheels. Flow deviator for steering unit in the reversible version |
| SAFETY | Front homologated roll-bar with gas spring for easy lowering and lifting |
| DASHBOARD | Instrument panel with analogue gauges and TFT digital colour display. Warning lights and horn |
| ELECTRIC SYSTEM | Battery 80 Ah / 12 V - Alternator 95 A |
| Standard equipment | Vehicle Control Unit, street light and indicator system, single-pole dashboard socket, rear 7-pin socket |
| TYRES | 8.25-16 * 210/95R16 (7.50-16) * 250/80-18 * 280/70R18 * 280/70R18 Garden * 320/65R18 * 260/70R20 * 31x15.50-15 XTC * 31x15.50-15 STG * 33x15.50-15 XTC |
| TOW HOOKS | Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved |
| RUNNING ORDER WEIGHT | With roll-bar: 1700 kg |
| ADDITIONAL OPTIONS | HDR hydraulic suspension with accumulator including 5 hydraulic outlets and free flow oil return, front bumper, beacon lamp, front LED working lights, rear adjustable working light, Self Cleaning System™, front weights 110 kg total and wheel weights 45 kg each |

THE SERVICES



SPARE PARTS

A complete range of original spare parts, guaranteed directly by the manufacturer.



ASSISTANCE

A team of specialists, well prepared and available to assure an efficient and resolving service.



LUBRICANTS

We recommend to use the original PowerLube lubricants.



FINANCIAL SERVICES

Financial solutions to meet the credit requirements.



M A D E I N I T A L Y