







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 of 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 MICTO

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

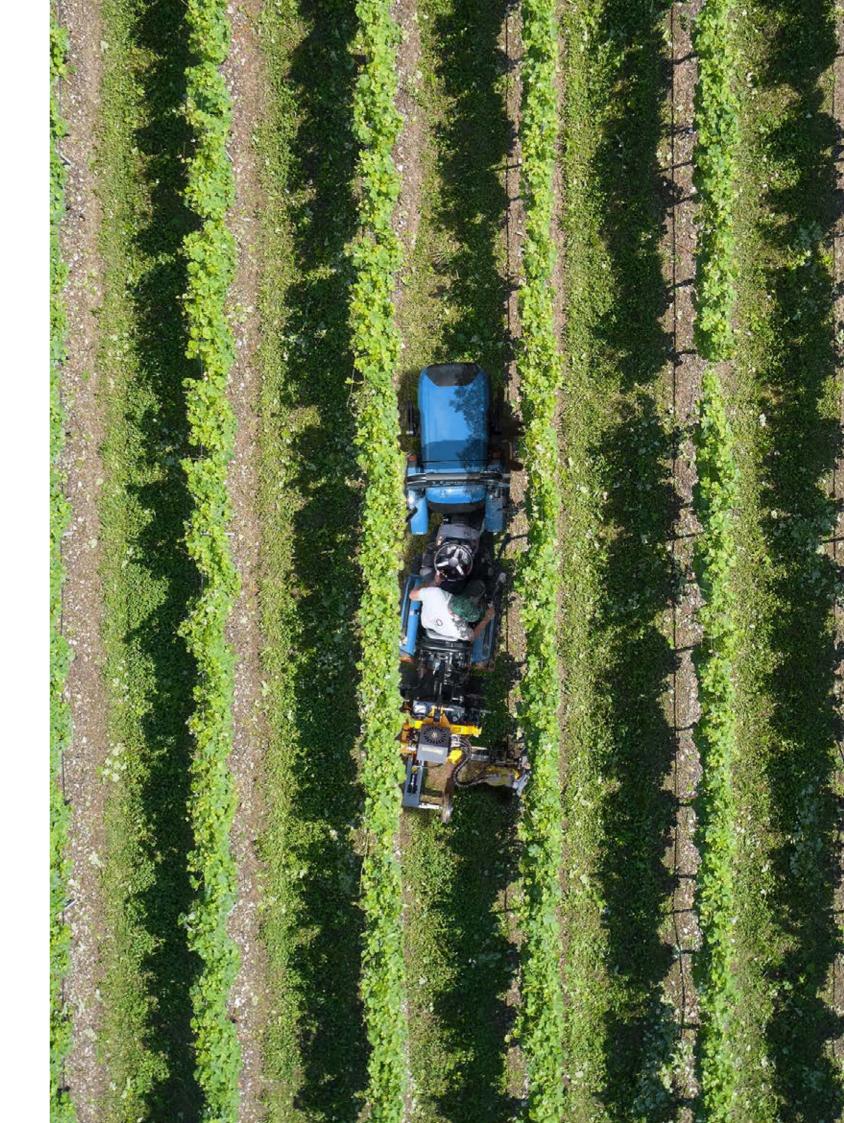
Indispensable for optimum work in viticulture and specialised agriculture, a Premium hydraulic system is available as an option, which includes:

- 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



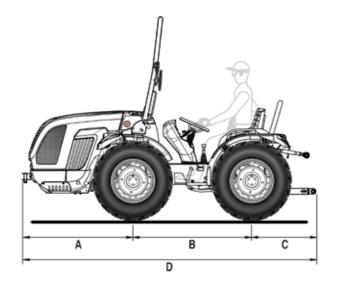


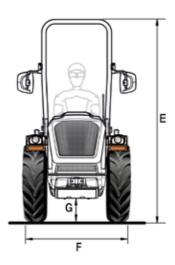




VALIANT 60 AR

Data Sheet







Α	В	С	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	210/95 R16 (7.50-16)	250/80-18	280/70 R18	280/70 R18 Garden
	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim
н	229	208	240	275	275
1	794 / 1110	794 / 1110	865 / 1107	869 / 1119	869 / 1119
F	1023 / 1339	1002 / 1318	1105 / 1347	1144 / 1394	1144 / 1394

	320/65 R18	260/70 R20	31x15.50-15 XTC	31x15.50-15 STG	33x15.50-15 XTC
	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim	with fixed rim
н	319	258	368	394	391
1	931 / 1119	846 / 1120	1003	1003	1003
F	1250 / 1438	1104 / 1378	1371	1397	1394

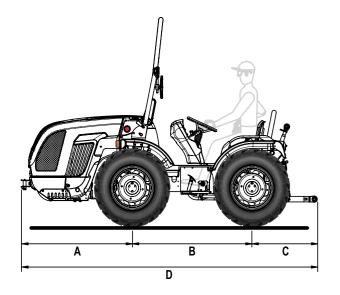
TECHNICAL FEATURES	VALIANT 60 AR	
ENGINE	Kohler KDI 1903 TCA Diesel common rail direct injection Turbo intercooler 3 cylinders 1861 cc Liquid cooling Stage V	
Power	36 kW / 49 hp @2600 rpm Max torque 190 Nm@1500 rpm	
CHIASSIS	Swinging integral chassis (±15°) OS-FRAME with central articulation	
DRIVE	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 (I/min)	17.5	
Hydraulic pump flow rate of the lift and control valves (I/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	

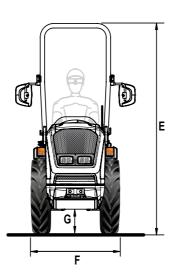
 $^{^{\}star}$ Dimensions in mm - min / max H = Tyre width - I = Wheel track - F = Tractor width

VALIANT 60

VALIANT 60 AR MICTO

Data Sheet







A	В	С	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	8.25-16 7.00-18	
	with adjustable rim	with fixed rim	with fixed rim
н	212	178	208
1	770 / 1110	772 / 1130	795 / 1103
F	982 / 1322	950 / 1308	1003 / 1311

^{*} Dimensions in mm - min / max

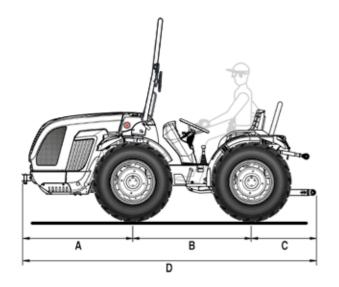
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Personant Survivos (peed fumb) 24 opeed synchronised garation: 12 PMD and 12 REV with synchronised several Markets vined (peed fumb) 0.7 x 55	Power	36 kW / 49 hp @2600 rpm Max torque 190 Nm@1500 rpm
Minimax travel speed (north)	CHIASSIS	Swinging integral chassis (±15°) OS-FRAME with central articulation
Minimax travel apead (km/h) Transmission clutch Multiclise in oil bath DIFFERENTIAL Front and rear with parallary recuclion units REAR PTO Independent nom the geastow and synchronized with forwarding speed. Negative safety hybraulic brake to stop the PTO PTO clutch Multiclise in oil bath with viscore systraulic control PTO rotation speed (pm/h) S40 HYDRAULIC SYSTEM Dual clicual with independent pumps Hydraulic pump floor rate of the province of control (pm/h) PTO rotation speed (pm/h) S40 HYDRAULIC SYSTEM Dual clicual with independent pumps Hydraulic pump floor rate of the province of control (pm/h) Pto rate octive (pm/h) S40 HYDRAULIC SYSTEM Dual clicual with independent pumps 1/5 Province control (pm/h) Province of the province of the province of the province of control (pm/h) Province octive (pm/h) Province of the provin	DRIVE	Permanent four-wheel drive
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Present Live Provided the service of the the	Min/max travel speed (km/h)	0.7 / 35
REAR PTO Induction Induced in an industry reduction units REAR PTO Induced In Industrial From the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO PTO clutch Multidiac in all bath with electro-hydraulic control PTO clutch System Designation and seed (pm) 540 HYDRAULIC SYSTEM Dust crust with independent pumps Hydraulic pump flow rate of the power steering and electro-flow flowing in the power steering and electro steering and electro steering and electro steering and electro steering and electronists (Pmin) Maximum hydraulic pumps flow rate of the power steering and electronists (Pmin) REAR CONTROL VALVES Mechanically controlled With rear updown it: 1 double-acting floatal 2 hydraulic cutteds Yith rear updown it: 1 double-acting floatal 2 hydraulic cutteds With rear updown it: 1 double-acting floatal 2 hydraulic cutteds (Pmin) PREMIUM* HYDRAULIC SYSTEM (peritornal) PREMIUM* HYDRAULIC SYSTEM (peritornal) PREMIUM* HYDRAULIC SYSTEM (peritornal) System (peritornal) Standard System (peritornal) Standard: Normal couplings cast. 1 - Optional: Outlets on their florate of instance of the power in the florate of instance of the stance outlets in the florate of instance of the stance outlets in the florate of instance of the stance outlets in the florate of instance outlets in the florate outlets in the florate of instance outlets in the florate outlets in the florate outlets are florated in the florate outlets are florated outlets in the florated outlets are florated by the florated outlets are florated outlets and florated outlets are florated outlets are florated outlets are florated outlets are florated outlets with an outlet outlets are florated outlets	Transmission clutch	Multidisc in oil bath
Independent from the gestbox and synchronosed with forwarding speed. Negative safety hydraulic brake to stop the PTO	DIFFERENTIAL	Front and rear with simultaneous locking and electro-hydraulic control
PTO clutch Multidac in oil bath with electro-hydraulic control PTO rotation speed (grm) 540 HYDRAULIC SYSTEM Dual circuit with independent pumps 1/5 Hydraulic pump flow rate of the hydraulic controls (firm) Hydraulic pump flow rate of the lift and control valves (firm) Maximum hydraulic pressure (part) Maximum hydraulic pressure (part) Mechanically controlled With rear upidown lift 1 double-acting (total 2 hydraulic outlets) Vith rear upidown lift 1 double-acting (total 2 hydraulic outlets) A hydraulic outlets) With rear upidown lift 1 double-acting (total 2 hydraulic outlets) Vith rear upidown lift 1 double-acting (total 2 hydraulic outlets) A hydraulic outlets) With rear upidown lift 1 double-acting (total 2 hydraulic outlets) Vith rear upidown lift 1 double-acting (total 2 hydraulic outlets) A hydraulic outlets) With rear upidown lift 1 double-acting (total 2 hydraulic outlets) Vith ordin controlled rear lift: 1 double-acting and 1 double-acting and 1 double-acting and 1 double-acting and 1 hydraulic outlets in total und fire 8 flow oil return Vith ordin controlled rear lift: up to 5 hydraulic outlets in total und fire 8 flow oil return PREMIUM* HYDRAULIC Available for upidown lift and including: oversized hydraulic pump of the lift and control valves with 33.3 (with 1 flow rate, heat system) Premium Hydraulic outlets and 1 flow oil return outlets with 1 flow flow oil return REAR LIFT By how external cylinders. Standards upidown lift - Optional: position and draft-controlled Standard: with manual adjustment - Optional: Duisk-couplings call. 1, 1 shaped, arms adjustable in length and hooks adjustable in with and including outlets and the roll kink and the roll kink arm (only with quick-coupling) Ball joint lifting capacity (vg) Datum position Rear LIFT Reversible with retaining platform and twin pedial assembly Stendard: well of the standard flowed - Optional: height adjustable uspersion according to the operator's weight, safety beit and man-on-board sensor Stervice Brankes Mu	AXLES	Front and rear with planetary reduction units
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HYDRAULIC SYSTEM Hydraulic pump flow rate of the power steering and electron systems of the lift and control valves (firm) 23	PTO clutch	Multidisc in oil bath with electro-hydraulic control
Hydraulic pump flow rate of the power steering and electro- hydraulic controls (lumin) Hydraulic pump flow rate of the lift and control valves (lumin) REAR CONTROL VALVES Mechanically controlled With rear up/down lift: 1 double-acting (total 2 hydraulic cutets) Standard With rear up/down lift: 1 double-acting (total 2 hydraulic cutets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic cutets) With rear up/down lift: 1 double-acting (total 2 hydraulic cutets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic cutets) With rear up/down lift: 1 double-acting (total 2 hydraulic cutets) With rear up/down lift: 1 double-acting (total 2 hydraulic cutets) With rear up/down lift: 1 double-acting (total 2 hydraulic cutets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total and free flow oil return - With draft-controlled rear lift: up to 5 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 - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets with rear lift and control valves with 33.5 l/min flow rate, heat exchange, flow dwider and 7 local dring cutets with free flow oil return - With draft-controlled valves with 33.5 l/min flow rate, heat exchange, flow dwider and 7 local dring cutets with free flow oil return - With draft and control valves with 33.5 l/min flow rate, heat exchange, flow dwider and 7 local dring cutets in footal and free flow oil return - With draft draft control with series with free flow oil return - With draft control led flow from the flow oil return - With draft control led flow from 1 flow oil return - Optional: hydraulic outlets up to the flow oil return - Optional: hydraulic outlets up to the parallel series with free flow oil risk arm (risk and flow) from	PTO rotation speed (rpm)	540
Power steering and electro- Hydraulic control (winn) Hydraulic pump flow rate of the lift and control valves (winn) Hydraulic pump flow rate of the lift and control valves (winn) REAR CONTROL VALVES	HYDRAULIC SYSTEM	Dual circuit with independent pumps
Maximum hydraulic pressure (bar) 180 REAR CONTROL VALVES Mechanically controlled With rear up/down lift: 1 double-acting (bots 2 hydraulic outlets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets) 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 - With draft-controlled rear lift: up to 5 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 - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets with free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets with free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets with free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets with free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets with rea flow oil return - With graft control valves with 3.3.5 l/min flow rate, heat exchanger, flow divider and 7 total hydraulic outlets with rea flow oil return - With graft control valves with 3.3.5 l/min flow rate, heat exchanger, flow divider and 7 total hydraulic outlets with real flow oil return - With graft control valves with 3.3.5 l/min flow rate, heat exchanger, flow of values with flow oil return - With graft control valves with 3.3.5 l/min flow rate, heat exchanger, flow oil return - With graft control valves with real with real with flow oil return - Optional hydraulically controlled upper link and draft controlled upper link and the rod link arm (only with quick-couplings) Ball joint life rod Standard: fixed - Optionals height adjustable exchanger life and flow of link arm flow yeth quick-couplings and flow provided with graft flow of link arm flow yeth quick couplings with graft f	power steering and electro-	17.5
REAR CONTROL VALVES Mechanically controlled 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) Vitin draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets) 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 - With draft-controlled rear lift: up to 5 hydraulic outlets in total and rene flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets in total and rene flow oil return - With draft-controlled acchanger, flow divider and 7 total hydraulic outlets with free flow oil return - With draft-controlled - SYSTEM (optional) PREMIUM* HYDRAULIC SYSTEM (optional) Spoint implement hitch Standard: Normal couplings cat. 1 - Optional: Optional: position and draft-controlled Spoint implement hitch Standard: Normal couplings cat. 1 - Optional: Cluick-couplings cat. 1, L-shaped, arms adjustable in length and hocks adjustable in width and 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. Waming lights and hom ELECTRIC SYSTEM Battery 80 Ah / 12 V - Alternator 95 A Standard: front and rear CUN		23
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) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets) With draft-controlled rear lift: 1 double-acting with float (total 4 hydraulic outlets) With draft-controlled rear lift: 1 double-acting with float (total 4 hydraulic outlets) With draft-controlled rear lift: 1 double-acting with float (total 3 hydraulic outlets) Paremium* HYDRAULIC 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 of return Paremium* HYDRAULIC Available for up/down lift - Optional: position and draft-controlled	Maximum hydraulic pressure (bar)	180
A hydraulic outlets) Optional A hydraulic outlets) 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 - With draft-controlled rear lift: up to 5 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 - With draft-controlled rear lift: up to 5 hydraulic outlets with free flow oil return - With draft-controlled - 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 - With draft-controlled - Available in controlled upon return - Optional: position and draft-controlled - Standard: Normal couplings cat. 1 - Optional: position and draft-controlled - Standard: Normal couplings cat. 1 - Optional: Divide couplings cat. 1, L-shaped, arms adjustable in length and hooks adjustable in width and 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 beit and man-on-board sensor SERVICE BRAKES Multidia: 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	REAR CONTROL VALVES	Mechanically controlled
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: Outlet-couplings cat. 1, Lehaped, arms adjustable in length and hooks adjustable in width and hydraulically controlled upper link and the rod link arm Third point tie rod Standard: with manual adjustment - Optional: hydraulically controlled upper link and the rod link arm (only with quick-couplings) Ball joint lifting capacity (kg) 1200 PRIVING 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 hom 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	Standard	With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total
in total and free flow oil return "PREMIUM" HYDRAULC SYSTEM (optional) PREMIUM" HYDRAULC SYSTEM (optional) PREMIUM" HYDRAULC SYSTEM (optional) PREMIUM HYDRAULC SYSTEM (optional) Standard: 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 PREMIUM PREMIUM HYDRAULC By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled Standard: Normal couplings cat. 1 - Optional: Outlok-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 Steat 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 With roll-bar: 1590 kg	•	
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: Duick-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 hom 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 With roll-bar: 1590 kg	·	in total and free flow oil return
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 (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 With roll-bar: 1590 kg		
Third point tie rod Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm (only with quick-couplings) Ball joint lifting capacity (kg) 1200 PREVENTION 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 With roll-bar: 1590 kg	REAR LIFT	By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled
Ball joint lifting capacity (kg) 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	3-point implement hitch	
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	Third point tie rod	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm (only with quick-couplings)
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 hom 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	Ball joint lifting capacity (kg)	1200
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	DRIVING POSITION	Reversible with rotating platform and twin pedal assembly
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	Steering wheel	Standard: fixed - Optional: height adjustable
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	Seat	Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor
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	SERVICE BRAKES	Multidisc in oil bath with mechanical control, acting on the rear wheels
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	Parking brake	Acting on service brakes
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	STEERING	Hydrostatic steering acting on the central joint. Flow deviator for steering unit
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	SAFETY	Front homologated roll-bar with gas spring for easy lowering and lifting
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	DASHBOARD	Instrument panel with analogue gauges and TFT digital colour display. Warning lights and horn
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	ELECTRIC SYSTEM	Battery 80 Ah / 12 V - Alternator 95 A
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	Standard equipment	Vehicle Control Unit, street light and indicator system, single-pole dashboard socket, rear 7-pin socket
RUNNING ORDER WEIGHT With roll-bar: 1590 kg	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
ADDITIONAL OPTIONS Front bumper, beacon lamp, rear adjustable working light, front weights 110 kg total	RUNNING ORDER WEIGHT	With roll-bar: 1590 kg
	ADDITIONAL OPTIONS	Front bumper, beacon lamp, rear adjustable working light, front weights 110 kg total

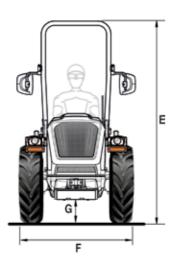
12

H = Tyre width - I = Wheel track - F = Tractor width

VALIANT 60 RS

Data Sheet







Α	В	С	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	210/95 R16 (7.50-16)	250/80-18	280/70 R18	280/70 R18 Garden
	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim
н	229	208	240	275	275
1	999 / 1305	999 / 1305	996 / 1312	984 / 1324	984 / 1324
F	1228 / 1534	1207 / 1513	1236 / 1552	1259 / 1599	1259 / 1599

	320/65 R18	260/70R20	31x15.50-15 XTC	31x15.50-15 STG	33x15.50-15 XTC
	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim	with fixed rim
н	319	258	368	394	391
1	1074 / 1324	987 / 1325	1100 / 1208	1100 / 1208	1100 / 1208
F	1393 / 1643	1245 / 1583	1468 / 1576	1494 / 1602	1491 / 1599

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		
CHIASSIS	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 (I/min)	17.5		
Hydraulic pump flow rate of the lift and control valves (I/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		
тоw ноокs	Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved		
RUNNING ORDER WEIGHT	With roll-bar: 1700 kg		
DDITIONAL OPTIONS HDR hydraulic suspension with accumulator including 5 hydraulic outlets and free flow oil return, front bumper, beacon lamp, LED working lights, rear adjustable working light, Self Cleaning System™, front weights 110 kg total and wheel weights 45 kg in the control of the			

 $^{^{\}star}$ Dimensions in mm - min / max H = Tyre width - I = Wheel track - F = Tractor width

THE SERVICES



SPARE PARTS

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



ASSISTANCE

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



LUBRICANT

We recommend to use the original PowerLube lubricants.



FINANCIAL SERVICES

Financial solutions to meet the credit requirements.



MADE IN ITALY