



SPARK SPARK VRT

155.4 | 165.4 | 175.4 | 155
165 | 175 | 185 | 205 | 215



Engines

**Nobody offers
you more!**

Lamborghini Spark 155-215 tractors combine unique, unmistakable style with the state of the art in agricultural tractor technology. The elegant forms of the inimitable design penned by Italdesign Giugiaro give the Spark 155-215 family an exclusive, sophisticated look. A style that stands



The Spark 155-215 family is powered by 4 and 6 cylinder (4.1 and 6.1) Deutz TCD Stage IV / V engines, which are even more responsive than the previous generation, with more impressive torque reserves, but consume less than ever.

The impressive power and sturdy construction of the new TCD series makes these engines ideal for tractors destined for extremely heavy duty use. These engines stand out from the competition with class beating technology such as the electronically controlled Deutz DCR Common Rail fuel injection system, with injection pressures up to 1,600 bar and two injection pumps lubricated directly by the engine oil circuit for superior reliability. The geometry of the combustion chamber has also been improved, while

the turbocharger features a wastegate and, on VRT versions, the cooling system uses an electronically controlled viscstatic fan. The result of the outstanding technical solutions adopted is an engine with a maximum speed of just 2,100 rpm that delivers power at 1,900 rpm and maximum torque at 1,400 or 1,500 rpm (depending on the model). As testified by the power and torque curves, the Deutz TCD is an extremely tractable engine, with generous power delivery assured by a practically flat torque curve over a very broad range of engine speeds.

The suite of emissions reduction solutions consists of an electronically modulated, electronically controlled and cooled



out from the crowd, reflecting the formidable credentials of a machine that delivers unbeatable productivity.

With a choice of 18 models with 4 or 6 cylinder engines with power outputs from 156 to 226 HP, the new Spark 155-215 family has been developed to

offer a choice of unique machines that stand head and shoulders above their counterparts in this class with superlative build quality and reliability, unparalleled technology and an incredible choice of configurations. With three different wheelbases, three transmission variants, two main cab configurations (with four progressively more comprehensive trim levels) and countless other

options offering the choice you'd expect to find at an exclusive tailor, Spark 155-215 tractors can be made to measure to create a bespoke solution that answers every possible need of your farm.



external exhaust gas recirculation system (EGR) working in conjunction with a diesel oxidation catalyst (DOC), a Deutz passive diesel particulate filter (DPF), which requires no regeneration cycles performed by injecting additional fuel into the system, and an SCR selective catalyst reduction system, which uses AdBlue additive to eliminate NOx emissions. A formidable package of high technology, maintenance-free solutions optimised in terms of both function and physical layout on the tractor itself for maximum overall efficiency and minimal operating costs.

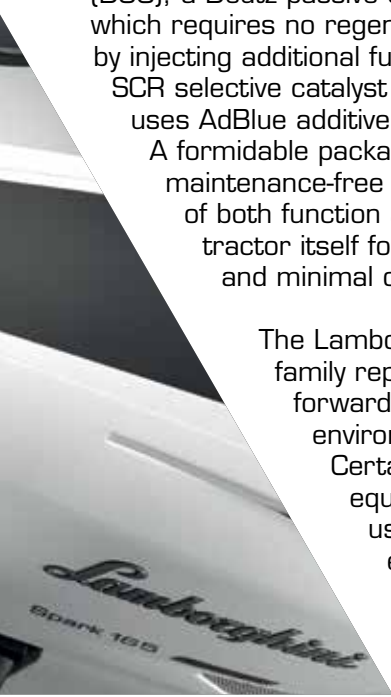
The Lamborghini Spark 155-215 family represents a significant step forward in terms of caring for the environment.

Certain VRT models may be equipped with the new, easy to use and reliable pedal-operated engine retarder. When driving downhill while towing or carrying heavy loads, the engine retarder may be used to maintain a

steady speed without using the service brakes and overheating the transmission oil, offering advantages not only in terms of safety but also in terms of lower maintenance costs.

The radiator pack features a modern new design: in addition to offering improved heat dissipation, the new layout also makes maintenance significantly simpler, with each of the all-aluminium radiator elements mounted on hinges. The extremely compact dimensions of the radiator pack when stowed in the normal operating position has made it possible to give the front of the bonnet a sleek, tapered shape, which offers significantly better forward visibility.

The prefilter situated above the radiators uses a series of spiral cyclonic tubes to remove coarser dust particles and debris from the air before it reaches the main filter, and carry them towards the dust ejector on the exterior of the prefilter housing. The next stage in the intake air cleaning process is performed by the tried-and-tested PowerCore filter.



Transmissions

**High technology
and unparalleled
freedom for
configuration.**

Spark 155-215 offer unbeatable choice in terms of transmission configuration, with a host of solutions representing the current state of the art in technology and efficiency. With an extensive choice of configurations based on a 6 speed Powershift gearbox or the VRT continuously variable transmission, the Lamborghini Spark family offers the ideal transmission for any task imaginable.

The Powershift transmission is based on a main gearbox with 6 forward speeds and 3 reverse speeds (all selectable without disengaging drive), and a 5 speed manual



range gearbox, for a total of 30+15 speeds (which may be increased to 54+27 speeds with the addition of underdrive). All transmission variants feature a hydraulic reverse shuttle, the button-operated ComfortClutch system (for shifting without using the clutch pedal), and the Stop&Go and SpeedMatching functions. The use of proportional selector valves offers a smooth shift action comparable to a VRT transmission but with the typical efficiency of a mechanical Powershift range gearbox. RCshift models are equipped with a

completely automated transmission, with 5 robotically selected ranges managed entirely by exclusive software developed by Lamborghini Trattori, which, in addition to fully automatic mode, also offers the driver the choice of semi-automatic and manual modes. Both transmission versions are designed and built to attain maximum speed at very low engine speeds, and as a result, the tractor may be driven at a road speed of 40 km/h at less than 1,200 rpm! Intelligent transmission management technology means that on the Spark 155-215 family, it's the tractor that adapts to the driver, not the other way around. The new RCshift transmission offers 4 driving modes:

1. Manual: the driver selects both the gear and Powershift range required
2. Semi-automatic: the driver selects the range only, and the electronic control unit automatically selects and engages the most appropriate Powershift gear for the working conditions

3. Auto-field: both the range (within a preselected interval from 1-3) and the gearbox are selected and engaged automatically
4. Auto-road: both the range (within a preselected interval from 3-5) and the gearbox are selected and engaged automatically

The VRT split-power continuously variable transmission is also designed to give the tractor a top speed of up to 50 km/h attainable at economy engine speed. Featuring 4 automatically selected mechanical ranges, this transmission is extremely efficient and comfortable to use, and gives Spark tractors the ability to vary ground speed seamlessly from 0 metres an hour all the way up to top speed. The electronic control units of the engine and transmission are in continuous dialogue to ensure that the most efficient ratio is always selected for current load and speed conditions, while the Trailer-stretch function increases safety when driving with a trailer.



	Powershift	RCshift	VRT
Transmission type	Powershift	Semi-automatic	Continuously variable
Transmission configuration	5 manual ranges x 6 Powershift speeds	5 semi-automatic ranges x 6 Powershift speeds	Continuously variable transmission with 4 automatically selected ranges
No. of speeds	30+15/54+27 with supercreeper gear	54+27 with supercreeper gear	Infinitely variable speed (from 0 to 50 km/h)
Range selection	Mechanical lever + button/pedal operated clutch	Joystick + enable button (in "manual/ semi auto" modes); Automatic (in "full auto" mode)	Automatic
Powershift gearbox with proportional solenoid valves	Yes	Yes	-
Automatic Powershift (APS)	No	Yes	-
Automatic Powershift gearbox speed matching during range shifts (SpeedMatching)	Yes	Yes	-
Supercreeper gear	mechanical lever	mechanical lever	-

Hydraulics

**A system
designed to
delivery
uncompromised
performance
at all times.**

With an extensive range of options - such as choice of mechanically or electronically controlled distributors - and with up to 10 rear and 4 front hydraulic couplers, the hydraulic system equipping Lamborghini Spark 155-215 tractors offers unparalleled freedom for configuration.

In all configurations, the steering circuit is fed by a dedicated 42 or 52 l/min (depending on the model), with a Load Sensing unit used on versions with Agrosky satellite guidance.

Numerous options are offered for the pump feeding the main hydraulic circuit. 155, 165



and 175 models with Powershift or RCshift transmissions are equipped as standard with an open centre system with an 84 l/min pump which, as an option, may be replaced by a 120 or 160 l/min Load Sensing pump. 185, 205 and 215 models with Powershift or RCshift transmissions, and all models VRT models, on the other hand, are equipped as standard with a Load Sensing system with a 120 l/min pump, while a 160 l/min pump (or a 170 l/min pump for 155, 165, 175 and 185 VRT

models) is available as an option. Versions with an open centre system are equipped with a pair of rear mechanically controlled distributors (4 couplers) which, as an option, may be increased to up to 4 distributors (8 couplers), while versions with a Load Sensing pump are available with up to 10 electronically controlled couplers with flow regulator function. VRT models feature an independent hydraulic oil tank separate from the transmission oil system. This prevents contamination of the

hydraulic oil with swarf and debris, significantly extending scheduled service intervals. Powershift and RCshift models are equipped as standard with a 6,200 Kg capacity rear lift, while a 9,700 Kg lift is available as an option. VRT versions, on the other hand, are equipped with the high capacity lift version as standard. The EHR electronic control system manages draft control, position control and mixed/float mode functions, and, on tractors equipped with the optional ground speed



radar, also controls slippage. Other functions integrated as standard in the EHR system are: quick soil engagement, ride control for transporting implements, preset lift position lock, implement lift height limiter, and rate of drop control.

The hydraulic system of Lamborghini Spark 155-215 tractors also permits the installation of a new front lift, with a maximum load capacity of 5,480 Kg with position control function, together with a carrier designed specifically to work in conjunction with the front suspension. The sturdy, compact new carrier also includes two dedicated hydraulic distributors and an integrated ISOBUS

terminal, and features a tapered design for minimal loss in steering capacity.

All the distributors may be locked if needed and configured to operate in either single or double acting mode while the lift is in use in "float" mode. Naturally, all electronically controlled distributors also feature time and flow rate setting functions. To make so much advanced technology as simple as possible to use, all the controls are colour coded in accordance with the brand's tried-and-tested layout, letting the driver identify which control is associated with which hydraulic coupler easily and with no guesswork.

PTO

**Simply
everything
you could ever need.**

For maximum productivity in all possible working conditions, Spark 155-215 tractors come as standard with a PTO offering all four of the most commonly used speed modes in the industry (540, 540ECO, 1000 and 1000ECO), and with a progressively engaged electrohydraulic clutch to ensure that implements always start smoothly and gradually. All variants feature Auto PTO mode, which automatically disengages and re-engages the PTO in relation to



**Axles and
brakes**
**Unrivalled
safety.**

the vertical position of the rear lift. Tractors with a front lift may also be equipped with an optional front PTO with both the standard 1000 rpm mode and 1000ECO mode. Managing the PTOs on a Lamborghini Spark 155-215 tractors is simple and rational: the electrohydraulic controls in the cab are duplicated on the rear mudguards, while the operator can monitor the effective rotational speeds of the PTOs from practical displays.



The new front carrier, with a tapered conformation in keeping with the design of the rest of the machine, allows for steering angles up to 55° and an incredible 120 mm of travel for the hydropneumatic suspension system.

Boasting electronic management, nitrogen accumulators and an excursion of $\pm 10^\circ$, the hydropneumatic front axle suspension system features a number of functions, such as:

- adaptive damping stiffness control in relation to terrain conditions;
- load-dependant self-levelling;
- Anti-dive and Anti-rise, which stiffen the suspension under braking and acceleration to limit weight transfer and improve driver comfort;

- Anti-dumping, which continuously monitors and adjusts the operating parameters of the suspension to limit pitching when driving on the road - a phenomenon encountered in particular with carried implements projecting from the front of the tractor. The heavy duty rear axle is equipped as standard with a potent new multiple wet disc braking system with Powerbrake, a modern, automotive power assistance system which, in addition to reducing the pedal force necessary to operate the brakes, also permits up to 10 emergency brake applications even after the engine has been switched off.

Cab

Supreme comfort and simplicity.

The new MaxiVision cab offers class beating technology and comfort. The ergonomic layout of the controls, which are organised logically and rationally and with all the information needed displayed clearly, makes these tractors significantly easier to use and lets the driver feel immediately at home.

The MaxiVision cab is offered in three different trim levels, which differ essentially in relation to the transmission and hydraulic distributor configuration of the tractor.

At the top of the range, on RCshift and VRT versions, the cab features a multifunction armrest integrated in the driver seat incorporating all the controls for operating the machine



The already class-beating degree of automation offered by Lamborghini Spark 155-215 tractors may be taken to even greater heights with options such as Agrosky automatic guidance, available with a precision of ± 2 cm.

These tractors are also fully compatible with the ISOBUS 11783 standard, with an optimised interface for immediate and intuitive connection to implements and making it no

longer necessary to clutter the cab with impractical and complex additional control units for implements. With ISOBUS, all you have to do is simply plug in the implement connector and it's ready to go, with a single monitor in the cab replacing the many specific terminals otherwise needed for individual implements.

Technology

The future is already here

and implements. These controls are clearly identified for simple, intuitive usage. The controls for the work and road lights are organised on a single lighting control panel.

Ensuring in-cab comfort are the electronically controlled automatic climate control system and an anti-vibration package offered with a number of options, such as a choice of mechanical or pneumatic cab suspension.

The innovation in the cab even extends to the driver seat, which is available as standard with latest generation, self-levelling air suspension. For even more comfort, Spark 155-215 tractors may be equipped with the new active suspension driver seat, while a

broad, comfortably padded seat is also available for a passenger. All the operating parameters of machine are monitored continuously by three different multimedia devices:

the Work Display, installed on the right hand A-pillar of the cab in VRT models, monitors machine functions; the InfoCentre^{Pro}, situated on the dashboard, providing information on the operating status of all the systems and devices on the tractor; and the iMonitor³, the innovative ISOBUS-compatible multimedia interface, for managing the configuration of all operating parameters.

The iMonitor³ lets the operator interface with the machine by

simply touching the screen or from the practical control panel on the armrest.

For even greater productivity, the iMonitor³ may be used in conjunction with the Agrosky satellite guidance system.

Numerous improvements have also been introduced for the external lighting system, which now features 1,700 lumen 360° H9 halogen lights as standard. As an alternative, the tractor may be equipped with new, fourth generation LED lights with an incredible output of 2,500 lumens for almost daylight-like illumination even in total darkness.



TECHNICAL DATA		SPARK POWERSHIFT/RCSHIFT		
		155.4	165.4	175.4
ENGINE				
Model		DEUTZ - TCD 4.1 L04	DEUTZ - TCD 4.1 L04	DEUTZ - TCD 4.1 L04
Emissions compliance		Stage IV	Stage IV	Stage IV
Cylinders/Capacity	No./cm³	4/4038	4/4038	4/4038
Turbo intercooler		•	•	•
Viscostatic fan		•	•	•
Maximum power (ECE R120)	kW/HP	114,9/156	120,8/164	125,8/171
Maximum power with boost (ECE R120)	kW/HP	-	125,8/171	-
Power at rated engine speed (ECE R120)	kW/HP	109,5/149	115,1/157	119,9/163
Power at rated engine speed with boost (ECE R120)	kW/HP	-	119,9/163	-
Engine speed at maximum rated power	rpm	2100	2100	2100
Maximum torque	Nm	663	699	699
Torque rise	%	33	28	28
Exhaust aftertreatment system (EGR+DPF+SCR)		•	•	•
Fuel tank capacity	litres	225	225	225
AdBlue® tank capacity	litres	28	28	28
TRANSMISSION				
Max. speed 50 km/h (Manual/RCshift)	km/h@rpm	50@1969 / 50@1530	50@1969 / 50@1530	50@1969 / 50@1530
Max. speed 40 km/h (Manual/RCshift)	km/h@rpm	40@1575 / 40@1224	40@1575 / 40@1224	40@1575 / 40@1224
Driving modes (Manual/Semi-Auto/Full Auto Field/Full Auto Road) (RCshift only)		•	•	•
Automatic Powershift (RCshift only)		•	•	•
Hydraulic reverse shuttle		•	•	•
PTO				
PTO 540/540ECO/1000/1000ECO		•	•	•
AUTO PTO		•	•	•
1000/1000ECO front PTO		◦	◦	◦
AXLES AND BRAKES				
Front axle with adaptive suspension		◦	◦	◦
Braked front axle		◦	◦	◦
Mechanical parking brake		•	•	•
Hydraulic trailer braking valve		◦	◦	◦
Trailer air braking valve		◦	◦	◦
Steering angle	degrees	52°	52°	52°
HYDRAULIC SYSTEM AND LIFT				
Fixed displacement pump delivery (std)	l/min	84	84	84
Variable displacement pump (Load Sensing) (opt)	l/min	120/160	120/160	120/160
Mechanical rear auxiliary distributors (std)	No.	2	2	2
Mechanical rear auxiliary distributors (opt)	No.	4	4	4
Electrohydraulic rear auxiliary distributors (RCshift only)	No.	2/4/5	2/4/5	2/4/5
Electrohydraulic front auxiliary distributors (RCshift only)	No.	1/2	1/2	1/2
Power beyond		◦	◦	◦
Rear lift capacity (std)	kg	6200	6200	6200
Rear lift capacity (opt)	kg	9700	9700	9700
Front lift capacity	kg	4110	4110	4110
ELECTRICAL SYSTEM				
ISO 11786 implement interface		◦	◦	◦
ISO 11783 implement interface		◦	◦	◦
CAB				
MaxiVision/MaxiVision 2*		•	•	•
Multifunction joystick (RCshift only)		•	•	•
iMonitor³ (8" or 12")		◦	◦	◦
InfoCentre™ (5" premium control panel)		•	•	•
Agrosky system		◦	◦	◦
Comfortip (headland management)		•	•	•
Comfortip professional (with iMonitor only)		◦	◦	◦
Mechanical suspension		◦	◦	◦
Air suspension		◦	◦	◦
Air conditioning		•	•	•
Automatic A/C system		◦	◦	◦
Halogen work lights		•	•	•
4th generation LED work lights		◦	◦	◦
Integrated LED lights		◦	◦	◦
DIMENSIONS AND WEIGHTS				
With front tyres (min)		420/85R28	420/85R28	420/85R28
With rear tyres (min)		520/85R38	520/85R38	520/85R38
With front tyres (max)		VF600/60R28	VF600/60R28	VF600/60R28
With rear tyres (max)		VF710/60R38	VF710/60R38	VF710/60R38
Wheelbase	mm	2543	2543	2543
Length (min-max)	mm	4193-5255	4193-5255	4193-5255
Height (min-max)	mm	2920-3032	2920-3032	2920-3032
Width (min.-max.)	mm	2456-2720	2456-2720	2456-2720
Ground clearance (min-max)	mm	390-490	390-490	390-490
Total unladen weight (min-max)	kg	7080-7480	7080-7480	7080-7480

• STD ◦ OPT - Not available * standard or optional depending on configuration variant

TECHNICAL DATA		SPARK VRT		
		155.4	165.4	175.4
ENGINE				
Model		DEUTZ - TCD 4.1 L04	DEUTZ - TCD 4.1 L04	DEUTZ - TCD 4.1 L04
Emissions compliance		Stage IV	Stage IV	Stage IV
Cylinders/Capacity	No./cm³	4/4038	4/4038	4/4038
Turbo intercooler		•	•	•
Electronic viscostatic fan		•	•	•
Maximum power (ECE R120)	kW/HP	114,9/156	120,8/164	125,8/171
Maximum power with boost (ECE R120)	kW/HP	-	125,8/171	-
Power at rated engine speed (ECE R120)	kW/HP	109,5/149	115,1/157	119,9/163
Power at rated engine speed with boost (ECE R120)	kW/HP	-	119,9/163	-
Engine speed at maximum rated power	rpm	2100	2100	2100
Maximum torque	Nm	663	699	699
Torque rise	%	33	28	28
Exhaust aftertreatment system (EGR+DPF+SCR)		•	•	•
Fuel tank capacity	litres	225	225	225
AdBlue® tank capacity	litres	28	28	28
TRANSMISSION				
Continuously variable transmission (VRT)		•	•	•
Max speed 50 Km/h	km/h@rpm	50@1831	50@1831	50@1773
Max speed 40 Km/h	km/h@rpm	40@1464	40@1464	40@1418
PowerZero		•	•	•
Settable cruise control speeds	No.	2+2	2+2	2+2
PTO				
PTO 540/540ECO/1000/1000ECO		•	•	•
AUTO PTO		•	•	•
1000/1000ECO front PTO		◦	◦	◦
AXLES AND BRAKES				
Front axle with adaptive suspension		◦	◦	◦
Braked front axle		◦	◦	◦
Electronic parking brake (EPB)		•	•	•
Hydraulic trailer braking valve		◦	◦	◦
Trailer Stretch function		•	•	•
Steering angle	degrees	52	52	52
HYDRAULIC SYSTEM AND LIFT				
Variable displacement pump (std)	l/min	120	120	120
Variable displacement pump (opt)	l/min	170	170	170
Closed centre hydraulic system (Load Sensing)		•	•	•
Electrohydraulic rear auxiliary distributors (std)	No.	2	2	2
Electrohydraulic rear auxiliary distributors (opt.)	No.	4/5	4/5	4/5
Electrohydraulic front auxiliary distributors (opt.)	No.	1/2	1/2	1/2
Power beyond		◦	◦	◦
Separate oil tank	litres	50	50	50
Rear lift capacity	kg	9200	9200	9200
Front lift capacity	kg	4110	4110	4110
ELECTRICAL SYSTEM				
ISO 11786 implement interface		◦	◦	◦
ISO 11783 implement interface		◦	◦	◦
CAB				
MaxiVision 2		•	•	•
MaxCom multifunction armrest		•	•	•
iMonitor³ (8" or 12")		◦	◦	◦
Work display		•	•	•
InfoCentre ^{Pro} (5" premium control panel)		•	•	•
Agrosky system		◦	◦	◦
Comfortip (headland management)		•	•	•
Comfortip professional (with iMonitor only)		◦	◦	◦
Mechanical suspension		•	•	•
Air suspension		◦	◦	◦
Air conditioning		•	•	•
Automatic A/C system		◦	◦	◦
Halogen work lights		•	•	•
4th generation LED work lights		◦	◦	◦
Integrated LED lights		◦	◦	◦
DIMENSIONS AND WEIGHTS				
With front tyres (min)		420/85R28	420/85R28	420/85R28
With rear tyres (min)		520/85R38	520/85R38	520/85R38
With front tyres (max)		VF600/60R28	VF600/60R28	VF600/60R28
With rear tyres (max)		VF710/60R38	VF710/60R38	VF710/60R38
Wheelbase	mm	2543	2543	2543
Length (min-max)	mm	4193-5255	4193-5255	4193-5255
Height (min-max)	mm	2920-3032	2920-3032	2920-3032
Width (min.-max.)	mm	2416-2720	2416-2720	2416-2720
Ground clearance (min-max)	mm	390-490	390-490	390-490
Total unladen weight (min-max)	kg	7540-7940	7540-7940	7540-7940

• STD ◦ OPT - Not available


TECHNICAL DATA		SPARK POWERSHIFT/RCSHIFT					
		155	165	175	185	205	215
ENGINE							
DEUTZ model		TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06
Emissions compliance		Stage IV	Stage IV	Stage IV	Stage V	Stage V	Stage V
Cylinders/Capacity	No./cm³	6/6057	6/6057	6/6057	6/6057	6/6057	6/6057
Turbo intercooler		•	•	•	•	•	•
Viscostatic fan		•	•	•	•	•	•
Maximum power (ECE R120)	kW/HP	114,9/156	120,8/164	129,5/176	138,5/188	152,3/207	156,2/212
Maximum power with boost (ECE R120)	kW/HP	-	125,8/171	-	-	-	166/226
Power at rated engine speed (ECE R120)	kW/HP	109,5/149	115,1/157	124,4/169	133/181	144,4/196	147,6/201
Power at rated engine speed with boost (ECE R120)	kW/HP	-	119,9/163	-	-	-	157/214
Engine speed at maximum rated power	rpm	2100	2100	2100	2100	2100	2100
Maximum torque	Nm	663	699	739	818	850	889
Torque rise	%	33	28	35	35	29	24
Exhaust aftertreatment system (EGR+DPF+SCR)		•	•	•	•	•	•
Fuel tank capacity	litres	280	280	280	280	280	280
AdBlue® tank capacity	litres	35	35	35	35	35	35
TRANSMISSION							
Max. speed 50 km/h (Manual/RCshift)	km/h@rpm	50@1969 / 50@1530	50@1969 / 50@1530	50@1863 / 50@1447	50@1863 / 50@1447	50@1863 / 50@1447	50@1863 / 50@1447
Max. speed 40 km/h (Manual/RCshift)	km/h@rpm	40@1575 / 40@1224	40@1575 / 40@1224	40@1490 / 40@1158	40@1490 / 40@1158	40@1490 / 40@1158	40@1490 / 40@1158
Driving modes (Manual/Semi-Auto/Full Auto Field/Full Auto Road) (RCshift only)		•	•	•	•	•	•
Automatic Powershift (RCshift only)		•	•	•	•	•	•
Hydraulic reverse shuttle		•	•	•	•	•	•
PTO							
PTO 540/540ECO/1000/1000ECO		•	•	•	•	•	•
AUTO PTO		•	•	•	•	•	•
1000/1000ECO front PTO		o	o	o	o	o	o
AXLES AND BRAKES							
Front axle with adaptive suspension		o	o	o	o	o	o
Braked front axle		o	o	o	o	-	-
Front axle with outboard disc brakes.		-	-	-	-	o	o
Mechanical parking brake		•	•	•	•	•	•
Hydraulic trailer braking valve		o	o	o	o	o	o
Trailer air braking valve		o	o	o	o	o	o
Steering angle	degrees	52°	52°	52°	52°	52°	52°
HYDRAULIC SYSTEM AND LIFT							
Fixed displacement pump delivery (std)	l/min	84	84	84	-	-	-
Variable displacement pump (Load Sensing) (std)	l/min	-	-	-	120	120	120
Variable displacement pump (Load Sensing) (opt)	l/min	120/160	120/160	120/160	160	160	160
Mechanical rear auxiliary distributors (std)	No.	2	2	2	2	2	2
Mechanical rear auxiliary distributors (opt)	No.	4	4	4	4	4	4
Electrohydraulic rear auxiliary distributors (RCshift only)	No.	2/4/5	2/4/5	2/4/5	2/4/5	2/4/5	2/4/5
Electrohydraulic front auxiliary distributors (RCshift only)	No.	1/2	1/2	1/2	1/2	1/2	1/2
Power beyond		o	o	o	o	o	o
Rear lift capacity (std)	kg	6200	6200	6200	6200	6200	6200
Rear lift capacity (opt)	kg	9700	9700	9700	9700	9700	9700
Front lift capacity	kg	4110	4110	4110	5480	5480	5480
ELECTRICAL SYSTEM							
ISO 11786 implement interface		o	o	o	o	o	o
ISO 11783 implement interface		o	o	o	o	o	o
CAB							
MaxiVision/MaxiVision 2*		•	•	•	•	•	•
Multifunction joystick (RCshift only)		•	•	•	•	•	•
iMonitor ³ (8" or 12")		o	o	o	o	o	o
InfoCentre ^{Pro} (5" premium control panel)		•	•	•	•	•	•
Agrosky system		o	o	o	o	o	o
Comfortip (headland management)		•	•	•	•	•	•
Comfortip professional (with iMonitor only)		o	o	o	o	o	o
Mechanical suspension		o	o	o	o	o	o
Air suspension		o	o	o	o	o	o
Air conditioning		•	•	•	•	•	•
Automatic A/C system		o	o	o	o	o	o
Halogen work lights		•	•	•	•	•	•
4th generation LED work lights		o	o	o	o	o	o
Integrated LED lights		o	o	o	o	o	o
DIMENSIONS AND WEIGHTS							
With front tyres (min)		230/95R32	230/95R32	270/95R36	270/95R36	270/95R36	270/95R36
With rear tyres (min)		270/95R44	270/95R44	380/90R46	380/90R46	380/90R46	380/90R46
With front tyres (max)		VF600/60R28	VF600/60R28	VF600/60R30	VF600/60R30	VF600/60R30	VF600/60R30
With rear tyres (max)		VF710/60R38	VF710/60R38	VF710/60R42	VF710/60R42	VF710/60R42	VF710/60R42
Wheelbase	mm	2767	2767	2767	2767	2848	2848
Length (min-max)	mm	4347-5712	4347-5712	4397-5712	4397-5712	4478-5793	4478-5793
Height (min-max)	mm	2932-3032	2932-3032	3032-3082	3032-3082	3032-3082	3032-3082
Width (min.-max.)	mm	2456-2720	2456-2720	2486-2720	2486-2720	2486-2720	2486-2541
Ground clearance (min-max)	mm	365-465	365-465	465-515	465-515	465-515	465-515
Total unladen weight (min-max)	kg	2690-3130	2690-3130	2690-3130	2690-3130	3150-3590	3150-3590

TECHNICAL DATA		SPARK VRT					
		155	165	175	185	205	215
ENGINE							
DEUTZ model		TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06
Emissions compliance		Stage IV	Stage IV	Stage IV	Stage V	Stage V	Stage V
Cylinders/Capacity	No./cm³	6/6057	6/6057	6/6057	6/6057	6/6057	6/6057
Turbo intercooler		•	•	•	•	•	•
Electronic viscocstatic fan		•	•	•	•	•	•
Maximum power (ECE R120)	kW/HP	109,5/149	115,1/157	124,4/169	129/176	135,7/185	147,6/201
Maximum power with boost (ECE R120)	kW/HP	114,9/156	120,8/164	129,5/176	134,3/183	149,1/203	156,2/212
Power at rated engine speed (ECE R120)	kW/HP	-	119,9/163	-	133/181	144,4/196	157/214
Power at rated engine speed with boost (ECE R120)	kW/HP	-	125,8/171	-	138,5/188	152,3/207	166/226
Engine speed at maximum rated power	rpm	2100	2100	2100	2100	2100	2100
Maximum torque	Nm	663	699	739	818	850	889
Torque rise	%	33	28	31	35	29	24
Exhaust aftertreatment system (EGR+DPF+SCR)		•	•	•	•	•	•
Fuel tank capacity	litres	280	280	280	280	435	435
AdBlue® tank capacity	litres	35	35	35	35	50	50
TRANSMISSION							
Continuously variable transmission (VRT)		•	•	•	•	•	•
Max speed 50 Km/h	km/h@rpm	50@1831	50@1831	50@1773/50@2051	50@1773/50@2051	50@1902	50@1902
Max speed 40 Km/h	km/h@rpm	40@1464	40@1464	40@1418/40@1641	40@1418/40@1641	40@1521	40@1521
PowerZero		•	•	•	•	•	•
Settable cruise control speeds	No.	2+2	2+2	2+2	2+2	2+2	2+2
PTO							
PTO 540/540ECO/1000/1000ECO		•	•	•	•	•	•
AUTO PTO		•	•	•	•	•	•
1000/1000ECO front PTO		◦	◦	◦	◦	◦	◦
AXLES AND BRAKES							
Front axle with adaptive suspension		◦	◦	◦	◦	◦	◦
Braked front axle		◦	◦	◦	◦	-	-
Front axle with outboard disc brakes.		-	-	-	-	◦	◦
Electronic parking brake (EPB)		•	•	•	•	•	•
Hydraulic trailer braking valve		◦	◦	◦	◦	◦	◦
Trailer Stretch function		•	•	•	•	•	•
Steering angle	degrees	52°	52°	52°	52°	52°	52°
HYDRAULIC SYSTEM AND LIFT							
Variable displacement pump (std)	l/min	120	120	120	120	120	120
Variable displacement pump (opt)	l/min	170	170	170	170	160	160
Closed centre hydraulic system (Load Sensing)		•	•	•	•	•	•
Electrohydraulic rear auxiliary distributors (std)	No.	2	2	2	2	2	2
Electrohydraulic rear auxiliary distributors (opt)	No.	4/5	4/5	4/5	4/5	4/5	4/5
Electrohydraulic front auxiliary distributors (opt)	No.	1/2	1/2	1/2	1/2	1/2	1/2
Power beyond		◦	◦	◦	◦	◦	◦
Separate oil tank	litres	50	50	50	50	50	50
Rear lift capacity	kg	9200	9200	9200	9200	10000	10000
Front lift capacity	kg	4110	4110	4110	5480	5480	5480
ELECTRICAL SYSTEM							
ISO 11786 implement interface		◦	◦	◦	◦	◦	◦
ISO 11783 implement interface		◦	◦	◦	◦	◦	◦
CAB							
MaxiVision 2		•	•	•	•	•	•
MaxCom multifunction armrest		•	•	•	•	•	•
iMonitor³ (8" or 12")		◦	◦	◦	◦	◦	◦
Work display		•	•	•	•	•	•
InfoCentre ^{Pro} (5" premium control panel)		•	•	•	•	•	•
Agrosky system		◦	◦	◦	◦	◦	◦
Comfortip (headland management)		•	•	•	•	•	•
Comfortip professional (with iMonitor only)		◦	◦	◦	◦	◦	◦
Mechanical suspension		•	•	•	•	•	•
Air suspension		◦	◦	◦	◦	◦	◦
Air conditioning		•	•	•	•	•	•
Automatic A/C system		◦	◦	◦	◦	◦	◦
Halogen work lights		•	•	•	•	•	•
4th generation LED work lights		◦	◦	◦	◦	◦	◦
Integrated LED lights		◦	◦	◦	◦	◦	◦
DIMENSIONS AND WEIGHTS							
With front tyres (min)		420/85R28	420/85R28	540/65R28	540/65R28	270/95R36	270/95R36
With rear tyres (min)		520/85R38	520/85R38	650/65R38	650/65R38	380/90R46	380/90R46
With front tyres (max)		VF600/60R28	VF600/60R28	VF600/60R30	VF600/60R30	VF600/60R30	VF600/60R30
With rear tyres (max)		VF710/60R38	VF710/60R38	VF710/60R42	VF710/60R42	VF710/60R42	VF710/60R42
Wheelbase	mm	2767	2767	2767	2767	2848	2848
Length (min-max)	mm	4142-5712	4142-5712	4317-5712	4317-5712	4508-5912	4508-5912
Height (min-max)	mm	2932-3032	2932-3032	3032-3082	3032-3082	3110-3160	3110-3160
Width (min.-max.)	mm	2416-2720	2416-2720	2472-2720	2472-2720	2486-2720	2486-2720
Ground clearance (min-max)	mm	365-465	365-465	465-515	465-515	520-570	520-570
Total unladen weight (min-max)	kg	2890-3330	2890-3330	2940-3330	3060-3500	3410-3850	3410-3850

STD • OPT ◦ Not available - *: standard or optional depending on configuration variant

DEALER

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