EFFICIENCY
PERFORMANCE
COMFORT

SERIES 7

7 SERIES

ROBO-SIX 7-145 • 7-165 • 7-175 • 7-160 • 7-180 • 7-200 • 7-220 • 7-230

V-SHIFT 7-145 • 7-165 • 7-175 • 7-180 • 7-200

Landini®

Passion for Innovation.

SERIE

7 SERIES, A GREAT TRADITION OF EFFICIENCY

For over 30 years, the Argo Tractors Group has focused its activity on the research and development of quality products. As a result of this strategic choice, Argo Tractors engineers have further upgraded Landini's **7 Series** tractor range, which now leads its class in efficiency, performance, flexibility and comfort.

HIGHLIGHTS

Cab
- Four-post design with semi-active suspension system
- 12-inch DSM touch screen monitor
- Automatic climate control

Design
- Clean, smooth hood design and automotive-style cab
- Up to 16 LED work lights on hood and cab

Engine
- Emissions control technology with SCR+DOC system
- Engine located within a rugged chassis (7.6 Series) for best performance and enhanced traction
- Coolers open out to allow easier and faster cleaning
- 320-liter fuel tank for the 7.6 Series, 46-liter AdBlue® tank

V-Shift four-stage continuous variable transmission:
- Four programmable speed ranges
- Transmission controls integrated into the V Easy Pilot proportional controller
- Lower fuel consumption, reduced operating costs
- 40km/h or 50 km/h Eco speed at reduced engine rpm

Robo-Six powershift transmission with 6 speeds and 5 ranges:
- Robotized range shifting
- Engine Brake function
- Smart APS
- Stop&Action with de-clutch function integrated in brake pedal
- Creeper providing up to 54 forward and 27 reverse speeds
- Eco mode 40km/h for transport operations and oil cut-off feature for improved fuel economy

Axles
- Electronically-controlled independent front suspension
- Automatic 4WD and differential lock engagement

Hydraulic system
- Closed-centre hydraulic system with 160 l/min variable displacement pump
- Electronically-operated rear hitch with 9300 kg maximum lift capacity
- Four-speed PTO standard

Designed to satisfy the changing needs of modern farmers and contractors, the new **7 Series** offers a large automotive-style cab with electrohydraulic suspensions, high-grade fit and finish, air-conditioned seat and ergonomically-arranged, intuitive controls for maximum comfort and ease of operation.

Boasting up to 225 hp, the new FPT NEF engines deliver maximum traction and best-in-class fuel efficiency, while allowing quick and easy maintenance. Equipped with a selective catalytic reduction system (SCR) and a diesel oxidation catalyst (DOC), the engines of the new **7 Series** meet the Stage 4/Tier 4 Final emissions regulations without requiring a diesel particulate filter.

The range comes with a choice of two transmissions: a Robo-Six powershift and a V-Shift continuous variable transmission. The hydraulic system features a high-flow pump that provides 160 l/min. The electronic management of the hydraulic functions ensures accurate implement control. In addition, a 12-inch touch screen monitor allows implement operation to be controlled with extreme accuracy via a satellite-based guidance and ISOBUS system, thus maximising efficiency and productivity.

Choosing Landini means you can count on a reliable partner that gives you cutting-edge technology, superior performance and unmatched productivity.

SATELLITE-BASED GUIDANCE
Higher accuracy, greater productivity
page 32

EXHAUST SYSTEM
Emissions under control
page 16

CABINE
Perfect visibility
and first-class comfort
page 6

HYDRAULIC SYSTEM
Innovative, for maximum
configuration flexibility
page 28

ISOBUS
Simple and efficient
implement control
page 34

ENGINE
A new heart
page 12

ELECTRONIC HITCH
Powerful and easy to use
page 29

SUSPENDED AXLE
Unmatched manoeuvrability
page 26

TRANSMISSION
Versatile and tailored
to suit every need
page 18

VISIBILITY

*When I get into my **7 Series**, it's like stepping into an office. Everything is **simple, comfortable** and within easy reach. And I arrive at the end of the day **without feeling tired**.*

Max

LOUNGE CAB: YOUR NEW OFFICE IN FIRST CLASS

The Lounge Cab is a new-concept four-post design with rear hinged doors that provides unobstructed visibility in all directions, giving the driver full view of blind spots without the need to change position. The cab is pressurized to keep a clean, dust-free environment and a highly-efficient sound insulation system maintains an in-cab noise level of only 70 dB for maximum comfort of operation. The optional electrohydraulic cab suspension system further enhances the operator comfort.

Wide, well-spaced access steps allow the operator to easily get in and out of the cab, while the buddy seat neatly folds away making for easier and safer access. The cab interior features an automotive-style fit and finish with easy-clean soft-touch materials.

The instrument panel tilts with the steering wheel to suit the driver's need. The alcantara swivel seat with dynamic air suspension system and fully automatic height adjustment features backrest heating and ventilation for ultimate

HIGHLIGHTS

- Four-post cab design with flat-deck platform
- One-piece windscreen for unequalled all-round visibility
- Mechanical or hydraulic semi-active cab suspension optional
- Instrument panel tilting with steering column
- Ventilated air suspension seat with swivel optional
- Multi-function armrest with ergonomically-designed controller and integrated controls
- 12" Data Screen Manager touch screen monitor
- Hide-away buddy seat for easier access to the cab
- Automatic climate control
- Opening transparent roof hatch
- Automotive-style interior with soft-touch materials
- Radio with MP3 player and Bluetooth standard
- Up to 16 latest-generation LED work lights on hood, cab and fenders

driving comfort. The main tractor controls located on the multi-function right-hand armrest are servo-assisted for smooth, precise and effortless manoeuvring. The ergonomically-designed V Easy Pilot controller provides easy and intuitive control of key tractor functions. Integrated into the armrest is a 12-inch touch screen monitor with simple tablet-like graphics that allows the operator to quickly manage and adjust the tractor operating parameters.

The Lounge Cab's standard equipment includes a refrigerated in-cab storage compartment and bottle holder, 12V sockets for charging mobile devices, an internal mirror and an opening transparent roof hatch providing extra visibility for loader operations. Integrated into the cab roof, a highly efficient automatic climate control maintains the desired cab temperature whatever the outdoor weather conditions.

DRIVER SEAT AND HIDE-AWAY BUDDY SEAT

The driving position features a large and stylish alcantara upholstered swivel seat with air suspension system and fully automatic height adjustment equipped with heating and ventilation system for maximum driving comfort. Passengers can also travel in comfort thanks to an innovative, upholstered buddy seat, which neatly folds away to allow easier and safer access to the cab.

The cab of the **7 Series** tractor with Robo-Six transmission is available in two trim levels:

- **DYNAMIC**, with controls on the armrest;
- **ACTIVE**, with controls on the right-hand console.

DIGITAL INSTRUMENT PANEL AND ADJUSTABLE STEERING WHEEL

Simple and intuitive, the new digital instrument panel keeps the operator constantly informed on the tractor's performance. The telescopic tilt-adjustable steering wheel is designed to tilt with the instrument panel.

TOUCH SCREEN MONITOR AND MULTI-FUNCTION ARMREST

Thanks to its user-friendly tablet-like graphic interface, the large 12-inch DSM touch screen monitor enables simple and intuitive control of implements. Integrated into the driver's seat, the multi-function armrest is ergonomically designed to allow a quick and intuitive use of main tractor controls.

- Mechanical suspension

- Semi-active hydraulic suspension

SEMI-ACTIVE CAB SUSPENSION

Cab Suspension, the new semi-active cab suspension system isolates the tractor body from the wheel vibrations induced by uneven ground conditions, ensuring maximum ride comfort and safety on all terrains.

WORK LIGHTS

The **7 Series** tractors feature 16 LED work lights at the front and rear that provide powerful lighting, making night work easier and safer. In addition, a rearview camera gives the driver full view of blind spots.

BLUETOOTH RADIO

Perfectly soundproofed with automotive-grade sound-deadening materials, the tractor cab features a stereo radio system with Bluetooth, MP3 player and USB flash drive. High-quality loudspeakers provide clear sound output and an integrated microphone allows the operator to make hands-free phone calls.

IN-CAB STORAGE COMPARTMENT AND BOTTLE HOLDER

A refrigerated in-cab storage compartment is located to the driver's left, while a practical bottle holder is conveniently placed on the driver's right-hand side.

AUTOMATIC CLIMATE CONTROL AND OPENING ROOF HATCH

A highly-efficient automatic climate control integrated into the cab roof distributes air throughout the cab via strategically positioned vents, maintaining the desired cab temperature whatever the outdoor weather conditions. The automatic climate controls are conveniently built into a stylish roof console. An opening transparent roof hatch provides extra visibility for loader operations.

EFFICIENCY

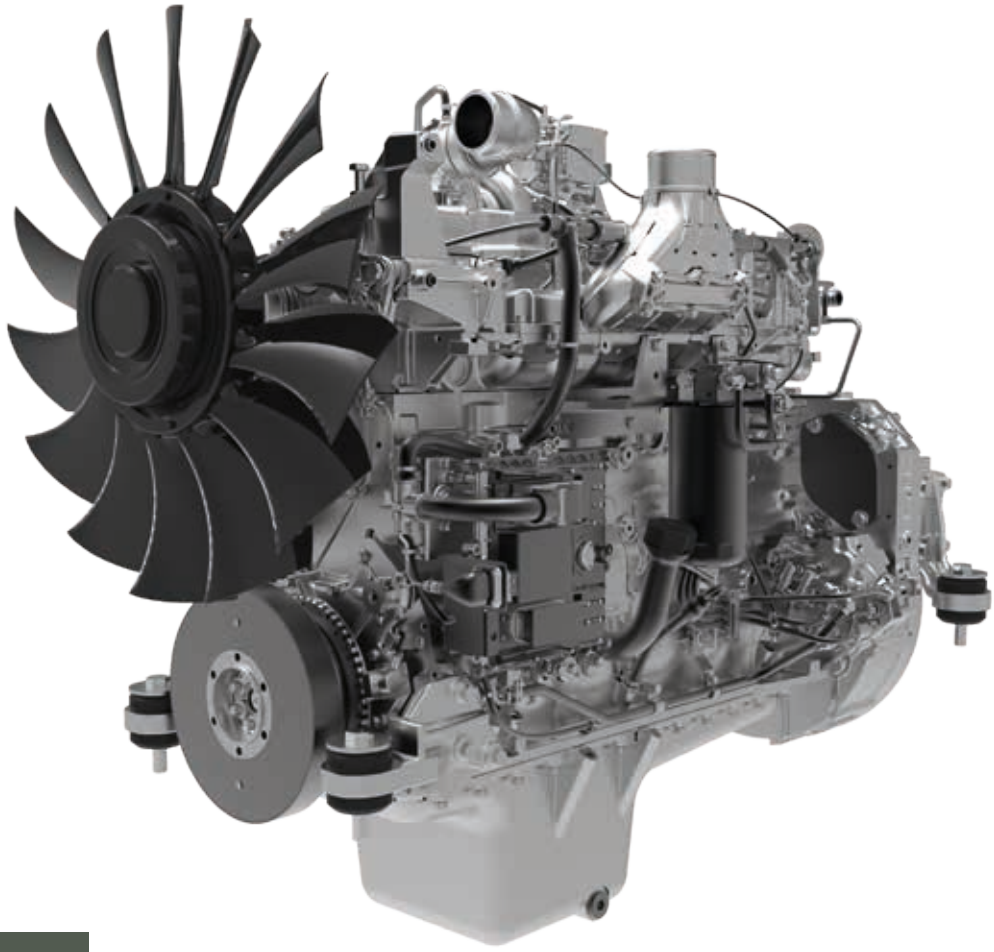
Landini

FTP NEF ENGINES: EFFICIENCY THAT IMPROVES YOUR PRODUCTIVITY

Eight models in the range are all powered by the new FPT NEF turbo engines with four valves per cylinder and common rail injection system. The 7-145, 7-165 and 7-175 models feature self-supporting 4.5L, four-cylinder engines with power ratings of 141, 155 and 166 hp. The 7-165, 7-180, 7-200, 7-220 and 7-230 models are equipped with 6.7L, six-cylinder engines located within a rugged chassis which helps reduce noise and vibration levels within the cab.

HIGHLIGHTS

- More power with the Dual Power system
- Electronic engine management and turbo intercooler with common rail injection system
- High torque backup
- Engine compliant with Stage4/Tier 4 Final emissions regulations
- Exhaust gas after-treatment with SCR catalytic converter and DOC diesel oxidation catalyst
- Chassis for six-cylinder models
- Large, easy-fill fuel tank
- Coolers open out to allow easier and faster cleaning
- Low maintenance



7 SERIES	MAX POWER HP/KW	DUAL POWER HP/KW
7-145	141 / 104	150 / 111
7-165	155 / 114	165 / 122
7-175	166 / 122	176 / 129
7-160	151 / 111	165 / 122
7-180	165 / 122	180 / 133
7-200	180 / 133	192 / 142
7-220	190 / 140	210 / 155
7-230	205 / 152	225 / 166

The six-cylinder models deliver power outputs of 151, 160, 180, 190 and 205 hp. These new engines meet the Stage4/Tier4 Final emissions regulations using a selective catalytic reduction system (SCR) combined with a diesel oxidation catalyst (DOC).

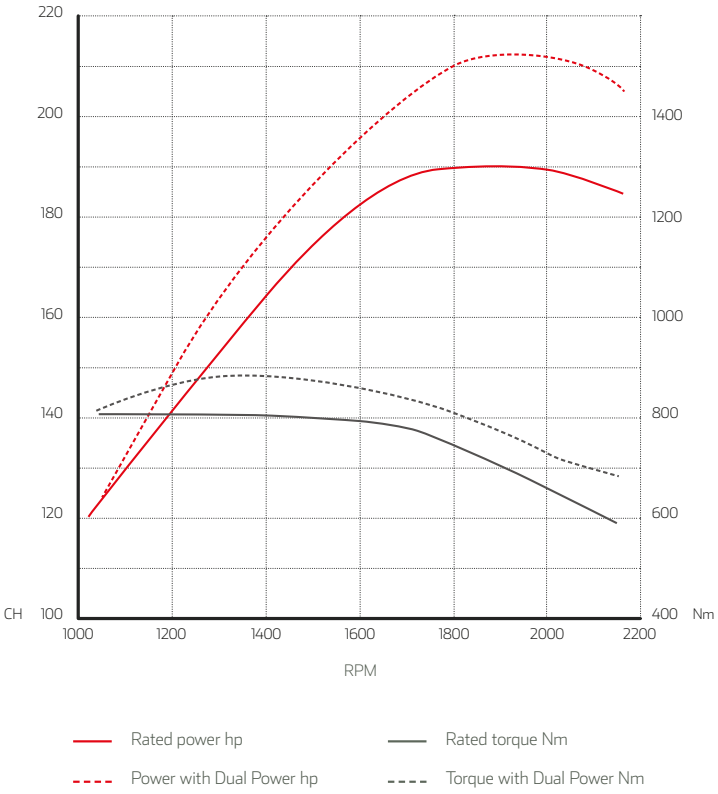
The new FPT NEF powering the **7 Series** is an advanced engine designed to offer farmers simplicity and functionality without compromising on performance, reliability and durability.

HIGHLIGHTS

- Maximum power for implement operation
- Superior performance on the road
- Fuel saving
- Less mechanical wear

*This new engine does **consume less fuel**. And it only takes 5 minutes to clean the coolers. This **saves a lot of time and money**.*

Peter



DUAL POWER FOR ULTIMATE PERFORMANCE

The FPT NEF engines are equipped with the Dual Power system which electronically adjusts the engine power to respond to varying load conditions. During transport applications or PTO operations, the Dual Power automatically delivers an additional 10 to 20 hp to handle tough conditions and heavy loads, while maintaining speed and productivity. The Dual Power system will boost engine power up to 150, 165 and 176 hp on the four-cylinder models and up to 165, 180, 192, 210 and 225 hp on the six-cylinder models.

SCR + DOC SYSTEM TO CUT DOWN ON EXHAUST EMISSIONS

The SCR technology, or Selective Catalytic Reduction, utilizes Adblue® fluid to reduce engine exhaust emissions. The fluid is injected from a separate tank into the exhaust system and then conveyed to the SCR catalytic converter where it reacts with exhaust gases, thereby reducing significantly the NOx emissions. The SCR system, used in conjunction with a DOC catalytic converter – a passive oxidation catalyst that reduces primary pollutants – ensures compliance with the strictest emissions regulations. The optimised electronic fuel injection and the enhanced combustion efficiency, combined with the SCR/DOC system, allow the FPT NEF engines to deliver more power and torque backup with outstanding fuel economy, resulting in greater flexibility of use.
In addition, the new FPT NEF engines dispense with the diesel particulate filter. This means less components, less maintenance and consequently less costs. Without a DPF – which is fuel consuming, loses efficiency over time and needs to be replaced – the engine is more powerful and reliable.

ADBLUE® TANK

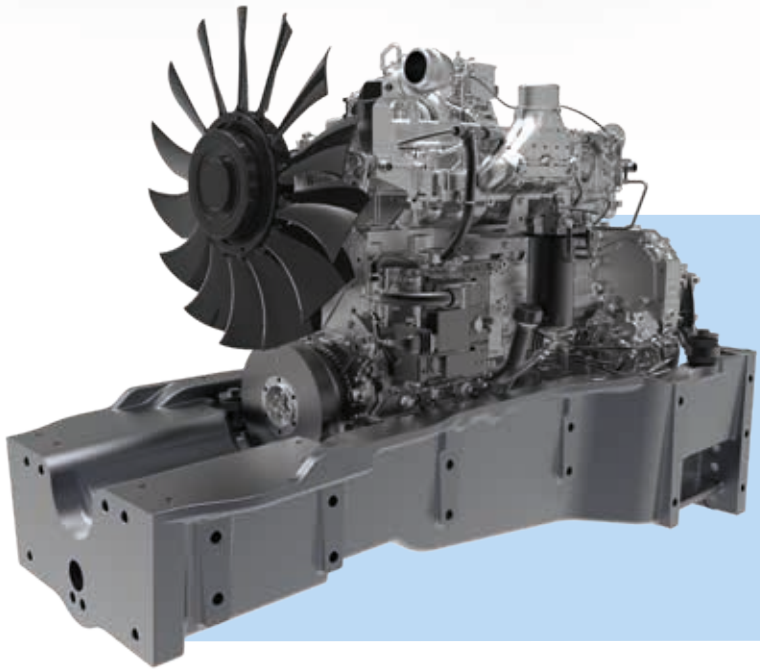
The AdBlue® tank holds 46 litres of fluid for the SCR system which represents the best solution to the Stage4 / Tier4 Final emission standards.

COOLER MAINTENANCE

Landini is committed to simplifying daily maintenance operations required to keep the tractor in good working order. The coolers located in front of the radiator open out from a single latch to allow easier and faster cleaning for maximum engine efficiency.

ENGINE BRAKE FUNCTION

A motorized valve located on the turbocharger enables the operator to improve the tractor braking performance by activating the Engine Brake function through a dedicated foot pedal placed between the pedal clusters.



ENGINE CHASSIS FOR 7.6 SERIES

The six-cylinder models feature a rugged chassis with shock absorbing rubber mounts which support the engine helping isolate both cab and transmission from vibrations. And that's not all. The engine chassis moves the tractor's centre of gravity forward thus increasing front wheel grip and traction power. Better traction results in reduced fuel consumption with up to 10% fuel saving compared to same-class competitive engines.

VERSATILITY

Landini

V-SHIFT AND ROBO-SIX TRANSMISSIONS, TO ALWAYS BE ONE STEP AHEAD

A powerful and versatile tractor range like the **7 Series** must be able to handle all kinds of tasks and field conditions. To provide all the versatility and flexibility required by modern agriculture, the **7 Series** tractor is offered with a choice of two transmissions: the V-Shift continuous variable transmission and the Robo-Six powershift transmission.

Cab with **DYNAMIC** trim: the controls of the V-Shift transmission are integrated into the armrest of the driver's seat.

Cab with **ACTIVE** trim: the controls of the Robo-Six transmission are integrated into the right-hand console.

HIGHLIGHTS

- All transmission controls grouped on the V Easy Pilot controller
- Speed shifting without use of the clutch pedal
- Soft acceleration, optimum speed, constant traction
- Greater concentration on the job in hand with the user-friendly V-Shift transmission
- Fuel economy and lower operating costs
- Remote Shuttle button for automatic forward/ reverse shifting

I've chosen the V-Shift transmission because it makes my work lighter. It's very easy to use and responds instantly… Once you get used to it, you can't do without it.

Charles

V-SHIFT CONTINUOUS VARIABLE TRANSMISSION: FOUR-STAGE INNOVATION

Using the V-Shift continuous variable transmission is very easy: just release the parking brake, select the direction with the power shuttle and step on the gas pedal. The V-Shift transmission with its four-stage technology sets a new benchmark in continuous variable transmissions. Using a four-stage instead of the usual two-stage CVT transmission offers real benefits to farmers and agricultural contractors who look for multi-purpose tractors capable of ensuring maximum productivity, whatever the task or the field conditions. This transmission offers four speed ranges to suit different operating requirements:

Range 1 Creeper 0.5 – 3 km/h
Range 2 Field 1 0.5 – 12 km/h
Range 3 Field 2 0.5 – 21 km/h
Range 4 Transport 0.5 – 40 or 50 km/h

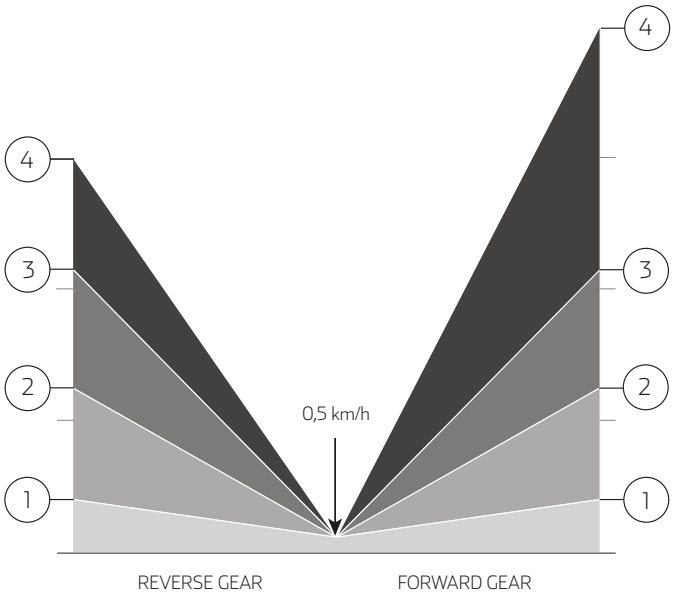
The V-Shift transmission features four operating modes:

1. Auto Mode - The electronic unit controls the engine rpm and transmission ratio, based on the parameters set on the potentiometer, in order to achieve the required speed.

2. Manual Mode - The operator sets the engine speed using the hand throttle. The electronic unit controls the transmission ratio in order to achieve the required speed.

3.PTO Mode - The operator sets the engine speed using the hand throttle. The electronic unit controls the transmission ratio in order to achieve the required speed, with priority on PTO speed.

4. Cruise Mode - The operator selects the tractor travel speed which remains constant.



ELECTROHYDRAULIC POWER SHUTTLE

The reverse power shuttle allows the operator to automatically shift from forward to reverse without use of the clutch pedal, by simply operating the shuttle control lever adjacent to the steering wheel. The shuttle response is electronically modulated and adjustable by the operator if required for different tasks.

V EASY PILOT MULTI-FUNCTION CONTROLLER

Integrated into the right-hand armrest, the ergonomically-designed V Easy Pilot controller provides easy and intuitive control of the V-Shift transmission, allowing the operator to drive the tractor and operate the implement with maximum ease and comfort.

The V Easy Pilot controller enables the operator to: select the speed most suited to the implement attached; either increase or reduce the travel speed without using the clutch and accelerator pedal; shift from forward to reverse without using the steering-column shuttle lever; manage headland turns and front loader operations with the Remote Shuttle button; operate functions such as the rear hitch fast raise lower, the speed cruise control and one remote valve.

All functions are clearly displayed on the instrument panel and on the touch screen monitor.

This transmission allows me to drive smoothly and relaxed. I don't have power loss problems and I save fuel.

Thomas

HIGHLIGHTS

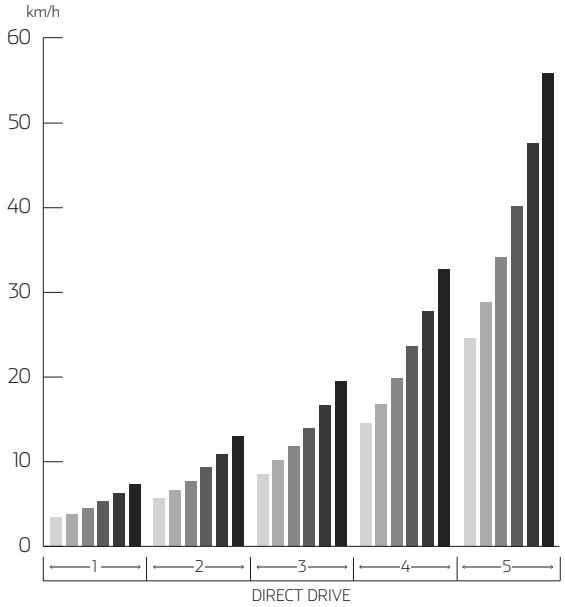
- All transmission controls grouped on a single control handle
- Robotized range shifting
- Smart APS Auto Powershift: automatic powershifts
- De-clutch button
- Stop&Action function to integrate the De-clutch function into the brake pedal
- Shuttle control lever adjacent to the steering wheel with response modulation
- 54 forward speeds + 27 reverse speeds with creeper
- Patented My Switch push button activates up to 4 functions with just one switch
- Eco mode 40km/h for transport operations and Oil Cut-off mode for improved fuel economy
- Engine Brake function to increase the braking performance of the tractor.

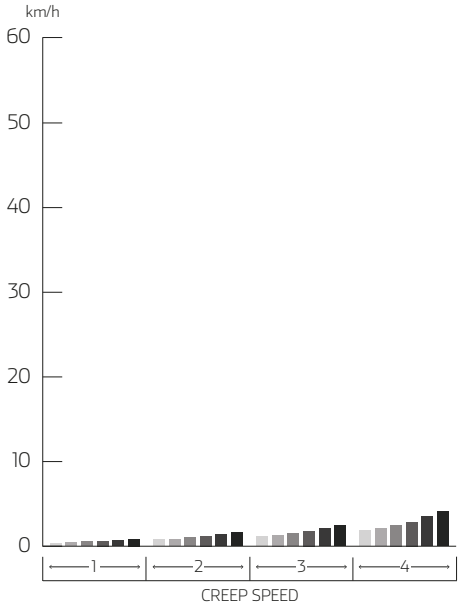
ROBO-SIX TRANSMISSION: HIGH EFFICIENCY AND SMOOTH DRIVING

High performance, fuel efficiency, smooth driving and safety are the strong points of the Robo-Six transmission. The key features of this transmission include five speed ranges, a six-speed on-the-go powershift, a robotized range shifting and an electrohydraulic steering-column power shuttle. The Robo-Six transmission offers 30 forward and 15 reverse speeds. In addition, a creep speed option provides 54 speeds forward and 27 in reverse.

The **7 Series** features the Eco Forty mode that provides a top speed of 40 km/h at reduced engine rpm. Where legally permitted, a top speed of 50 km/h can be reached with the Eco Fifty mode.

In addition, the Robo-Six transmission is equipped with an oil cut-off function which manages the braking system more efficiently, thus ensuring better performance on the road and improved fuel economy.





ELECTRONIC TRANSMISSION MANAGEMENT

All functions of the Robo-Six transmission can be conveniently managed through the pushbuttons integrated into the armrest:

› Selectable drive off gear

› Speed Matching: automatic powershift selection based on tractor speed

› Range skip shifting

› Smart APS Auto Powershift: automatic shifting through all powershifts with Eco/Power modulation adjustment – based on the engine load, the transmission control unit may skip directly from one range to another

› Shuttle Modulation Control: adjustment of power shuttle response

› De-clutch button: shifting without clutch pedal

› Stop&Action: integrates the De-clutch function into the brake pedal – based on engine load, a dedicated software decides when to disconnect the clutches for maximum safety on sloping ground

ELECTROHYDRAULIC POWER SHUTTLE

The reverse power shuttle allows the operator to automatically shift from forward to reverse without use of the clutch pedal, by simply operating the shuttle control lever adjacent to the steering wheel. The shuttle response is electronically modulated and adjustable by the operator if required for different tasks.

SMART APS AUTO POWERSHIFT

The Smart APS dial in the armrest allows the engine speed parameters to be adjusted from an Eco through to a Power setting.


ARGOTRACTORS
AUTO

On the **7 Series** models with Robo-Six transmission, the cab is available in two versions:
- **DYNAMIC**, with controls on the armrest;
- **ACTIVE**, with controls on the right-hand console which also integrates the multi-function controller.

MULTI-FUNCTION CONTROLLER

An ergonomically-designed controller integrated into the right-hand armrest provides easy and intuitive control of the Robo-Six transmission, allowing the operator to shift through all gears and ranges without depressing the clutch pedal. The powershift button enables seamless speed progression both in the field and on the road. The multi-function controller integrates all the functions necessary to operate the tractor and implement. Our patented My Switch button allows the operator to select and activate up to four different functions: the Smart APS Auto Powershift facility, differential lock, 4WD operation and De-clutch button. Also built into the control handle are additional buttons to operate other functions such as the rear hitch fast raise lower, speed cruise control, one remote valve and the headland management. All functions are clearly displayed on the digital instrument panel and on the 12-inch touch screen monitor.

SMART APS AUTO POWERSHIFT AUTOMATIC TRANSMISSION

On the **7 Series** range, the Robo-Six transmission can be controlled both manually and automatically. Based on load conditions, engine speed and rpm, the Auto Powershift (APS) facility allows the operator to automatically select the right gear in each range for best performance and optimum fuel economy. The APS dial in the armrest allows the engine speed parameters to be adjusted from an Eco through to a Power setting.

STOP&ACTION SYSTEM

The Stop&Action system integrates the De-clutch function into the brake pedal. This allows the operator to stop the tractor without depressing the clutch pedal and without using the power shuttle. In addition, based on the engine load, a dedicated software decides when to disconnect the clutches for safety reasons. The combined use of the Smart APS and Stop&Action systems makes operation of the Robo-Six transmission similar to that of the CVT variable transmission.

*As big and powerful as it is, the **7 Series** is surprisingly manoeuvrable and minimizes soil compaction. That's a really light tractor!*

Paul

OPTIMUM MANOEUVRABILITY

The **7 Series** tractor is extremely easy to handle. The 55-degree maximum steering angle, the excellent ground clearance, the ample front axle oscillation (6-cylinder models) and the tight turning radius – 4800 mm for the 7.4 and 5400 mm for the 7.6, respectively – all make for excellent manoeuvrability, while the hydrostatic drive delivers smooth steering control even at low engine rpm.

TRACTION, MANOEUVRABILITY AND COMFORT ON ALL TERRAINS

The **7 Series** offers outstanding traction and excellent manoeuvrability ensuring optimum grip and stability for superior driving comfort in the field and on the road. The rugged front axle is equipped with full hydraulic locking differential and electro hydraulic four-wheel drive engagement ensuring maximum efficiency and safety on all terrains. High capacity wet multi-disc rear axle brakes ensure safe controlled stopping power. Also when braking, the four-wheel drive engages automatically, which in turn brakes the front axle for efficient braking on all four wheels. All **7 Series** tractors are equipped with brake power boosting system to reduce the effort required by the operator while improving driving accuracy. With the engine located within a chassis and the rugged front axle with independent wheels, the **7 Series** is the tractor that transfers more power to the ground in its class. In addition, the chassis-mounted engine makes the **7 Series** the best balanced tractor in its power class with 45% per cent weight balance at the front and 55% at the rear. This excellent weight distribution helps reduce the amount of soil compaction.

AUTOMATIC 4WD AND DIFFERENTIAL LOCK ENGAGEMENT FOR EASY HEADLAND TURNING

All **7 Series** models are equipped with combined front and rear differential locks to reduce wheel slip and maximise traction. The system is controlled electronically through the Auto function which automatically engages or disengages the differential lock and the four-wheel drive during headland operations.

INDEPENDENT FRONT SUSPENSION

The **7 Series** can be equipped with an electronically-controlled independent front suspension for extra comfort. The independent front axle system is designed to allow each wheel to absorb impacts independently of one another. This makes for better grip and greater stability compared to conventional axles, resulting in increased driving safety. The independent front suspension improves traction and manoeuvrability and allows faster travel speeds and enhanced operator comfort, whether in the field or on the road.

PUNTOS FUERTES

- Circuito hidráulico de centro cerrado con caudal variable de 160 l/min
- Elevador trasero de control electrónico con capacidad de elevación de 9300 kg
- TDF con 4 velocidades de serie
- Potencia constante a la TDF con el sistema Dual Power
- Hasta 8 distribuidores electrohidráulicos
- Elevador y toma de fuerza delanteros (opcional)

HYDRAULIC SYSTEM TAILORED TO YOUR SPECIFIC NEEDS

Designed to provide high-flow capability, the hydraulic system of **7 Series** features high-quality components and provides unmatched configuration flexibility to meet the farmers' specific requirements. The hydraulic system is a closed-centre circuit with variable-displacement pump. This means that the pump always delivers exactly the quantity of oil that the system requires, thereby eliminating unnecessary power waste. The system supplies up to 123 l/min to the hitch and remote valves, allowing for simultaneous operation of all hydraulic functions.
For the Dynamic Robo-Six and V-Shift versions a high-flow pump with a total flow of 160 l/min is available as an option. The Active Robo-Six models come standard with an open-centre hydraulic system providing a total flow of 88 l/min.
A closed-centre system with a total flow of 123 l/min can be supplied as an option.

*Before purchasing my **7 Series** tractor, I explained to my dealer what I needed and they proposed me a hydraulic system that seems tailor-made for my needs.*

John

AUTO PTO FUNCTION

The Auto PTO feature will automatically disengage and reengage the PTO at three-point linkage heights set by the operator. This gives the operator precise control of the implement during headland turns.

REAR PTO

The **7 Series** tractor has been designed to operate in a variety of conditions with heavy, power-demanding implements. The PTO offers four speeds: 1000, 1000Eco, 540 and 540Eco rpm and the driveline design ensures minimal power loss and therefore maximum productivity. An electro hydraulically operated clutch enables smooth and modulated engagement of the PTO, ensuring a soft start-up of the implement. The **7 Series** tractors are equipped with Dual Power system, which automatically increases power available when the PTO is operational. This enables the engine to maintain constant power as the load varies, allowing optimum use of the PTO for enhanced tractor performance and productivity.

The ergonomically-designed V Easy Pilot controller enables comfortable and intuitive control of the rear hitch and implements. Offering a maximum lift capacity of 9300 kg, the three-point hitch is Category III and is equipped with lower link draft sensing for accurate implement control.

SIMPLE USE OF ELECTRONICALLY-CONTROLLED REAR HITCH

External PTO, hitch and remote valve controls are located on the rear fenders making it easier to attach implements from the ground.

REMOTE VALVES

The **7 Series** tractors can be fitted with up to eight electrohydraulic double-acting remote valves. One valve is controlled by the multi-function controller and four are operated via fingertip controls integrated into the armrest which also includes a mini-joystick that operates two valves to control either a front hitch or a front loader.

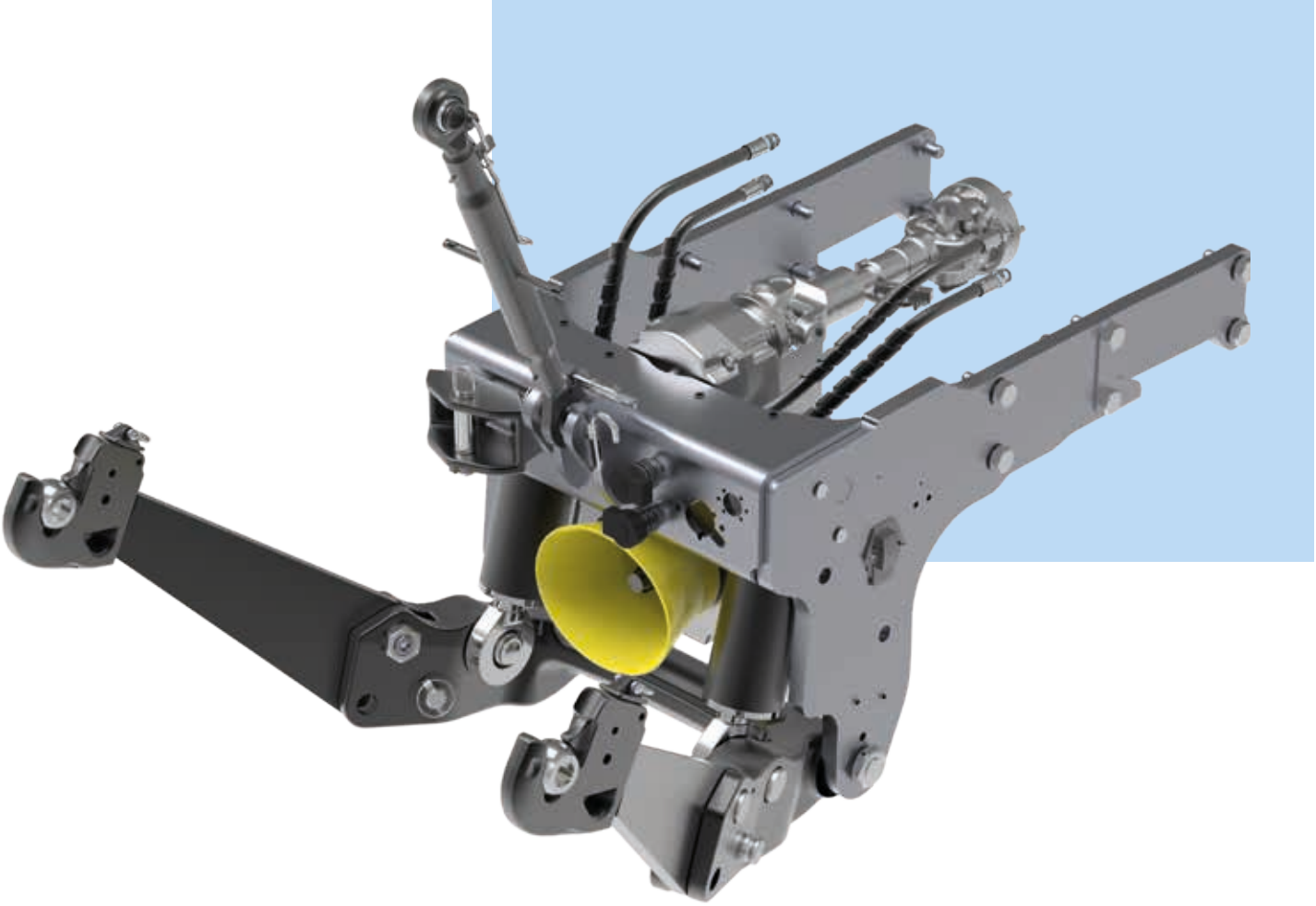
LANDINI L SERIES FRONT LOADER: BUILT FOR POWER AND VERSATILITY

Designed to be integrated into the **7 Series** tractor range, the Landini L120, 140 and 180 front loaders are built from HLE (High Limit Elasticity) steel, a material capable of withstanding high loads thanks to its mechanical properties.

The main strong points of the L series loaders are:

- Hydraulic lines hidden inside the loader arms to ensure unobstructed view during operation;
- The piping of the hydraulic system is rigid to reduce oil overheating during intensive use and to simplify maintenance operations;
- A position indicator allows operator to quickly determine implement position;
- Used in combination with a Euro Hitch tool carrier, the loader can be fitted with a wide range of implements;
- The L180 model provides a maximum lift capacity of 2300 kg;
- The loader features a suspension with two nitrogen-charged accumulators placed between the cylinders that ensures a smooth ride at all times;
- The **7 Series** is equipped with supports designed to make fitting and removal of the L series loader easier;
- L series loaders can be used even when the tractor is equipped with a front-mounted hitch.

The **7 Series** further features a conveniently placed controller and a high-visibility transparent roof hatch allowing the operator to comfortably sit in the driving position while working with the loader fully raised. Landini L series front loaders ensure maximum productivity in any application.



FRONT HITCH AND PTO FOR MAXIMUM FLEXIBILITY

A front hitch and PTO are available as an option to add greater versatility to the tractor for applications using front-mounted implements and rear and front implement combinations. Offering a maximum lift capacity of 3500 kg, the front hitch is Category II and features raise/lower and float controls. The 1000-rpm PTO is electro-hydraulically engaged via a pushbutton. External PTO and hitch controls are located on the rear fenders making it easier to attach implements from the ground.

PRECISION

The satellite allows me to drive and work with a precision I didn't have before. And this means more productivity and lower overall costs.

Mark

SATELLITE-BASED GUIDANCE: BEST-IN-CLASS ECONOMY AND PRODUCTIVITY

The optional satellite-based guidance system allows implement operation to be controlled with extreme accuracy maximising efficiency and productivity. The system is managed via a dedicated 8.4-inch touch screen monitor in conjunction with a satellite antenna fitted on the roof of the tractor cab.

The monitor manages two functions:

1. The Precision Steering Management system: using the real-time kinematic (RTK) navigation method, the system provides precise steering control in row-crop operations delivering up to 2cm pass-to-pass accuracy. Such a high level of precision greatly increases productivity per unit land area. Supplied in conjunction with the satellite guidance system is also the Eazysteer function, which allows the tractor to make a complete turn with just a quick turning of the steering wheel. This avoids multiple turns of the steering wheel, thereby improving ride comfort and optimising working time.
2. Configuration and control of the ISOBUS system with management of advanced features such as ISO-TC and TC-GEO.

Research in the sector has shown that the satellite-based guidance system of the Landini 7 Series tractors helps save up to 7% on the costs of fuel, equipment, fertilisers and pesticides.

SATELLITE ANTENNA

The satellite antenna placed on the cab roof receives the GNSS signal.

ELECTRONIC STEERING WHEEL

The **7 Series** tractors can be specified with the Topcon electronic steering wheel which allows extremely precise steering, reducing operator fatigue and saving time and fuel.

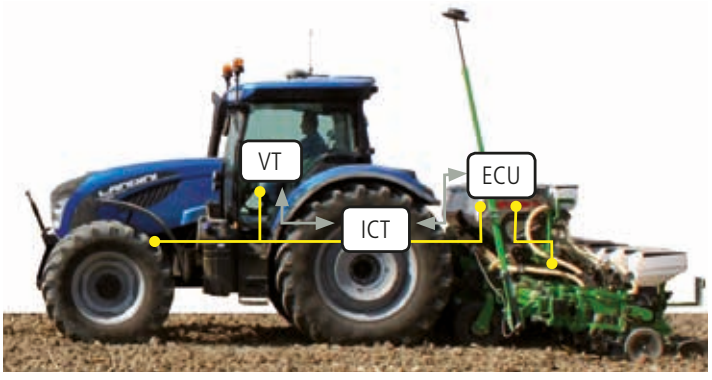
CONTROL

ISOBUS, FOR SIMPLE AND EFFICIENT IMPLEMENT CONTROL

The **7 Series** tractor range can be optionally equipped with an ISOBUS system, a protocol for data communication between tractor, implement and on-board computer, that enhances operating efficiency and productivity. With the ISOBUS system, the operator can manage the operating parameters and performance of the implement via a simple touch screen monitor, without the need to install a dedicated control unit inside the cab.

TOUCH SCREEN MONITOR

An 8.4-inch touch screen monitor manages the satellite-based guidance and the ISOBUS system.



BENEFITS OF SATELLITE-BASED GUIDANCE AND ISOBUS SYSTEM

The satellite-based guidance and the ISOBUS system maximise efficiency and productivity while improving riding comfort and safety:

- Each implement operation is controlled with extreme accuracy. Implement can also be managed automatically.
- Reducing the travelled distance in the field reduces tractor and implement wear and saves fuel.
- The application of variable rate treatments eliminates skips and overlaps; this minimizes product wastes and reduces working time while maximizing efficiency and crop yield.
- Precision farming reduces chemical residues. For example, it makes it possible to place fertilizer only in a specific row that will be sown at a later date: at the time of seeding, the row will be found thanks to the map system of the automatic guidance.
- To make satellite-based guidance safer, the **7 Series** is equipped with sensors which react to the presence of persons or things that are not displayed on the satellite map. If, for example, a child appears within the tractor working area but in a spot not visible to the operator, the system will detect it and react promptly.
- Report and pre-setting operations become more user-friendly and can be done from home. This eliminates the need for expert operators, thus reducing operating costs.

RELIABILITY

QUICK MAINTENANCE TO GET YOU BACK UP AND RUNNING

Designed to deliver maximum efficiency and reliability, the **7 Series** range offers a variety of solutions to simplify and expedite maintenance.

1. The tilt-up hood opens wide to provide easy access to the engine compartment for maintenance and radiator cleaning.
2. Oil filler cap is placed in the lower part of the engine, so topping up of engine oil can be done without opening the hood.
3. Engine air filter is positioned in such a way as to facilitate cleaning and replacement.
4. The cooling radiators open fully from a single latch to allow fast and easy cleaning.
5. The fuel and AdBlue tanks are conveniently placed to allow quick filling. Tank caps have different colours.
6. In-cab air filter is easily accessible for maintenance.
7. Oil level in the transmission can be conveniently checked through the transparent oil filler cap with level gauge placed on the rear of the tractor.
8. Windscreen wiper fluid reservoir is located on the back of the cab.


MODULA
LIFT
SYSTEM
Group
www.modula.com

LANDINI SPARE PARTS AND SERVICE, TO GIVE YOU THE BEST ALWAYS

Landini is worldwide recognized as a reliable supplier of high-quality spare parts and after-sales services. Developed by the same engineers who design and manufacture the Landini tractors, genuine Landini parts are designed and manufactured to the highest quality standards to ensure tractors reliable performance and maximum safety.

The pluses of Landini's after-sales service include following:

- Spare parts are delivered promptly and efficiently to Landini's dealers on the same day of order.
- Each part comes with a 12-month warranty and bears a non-falsifiable hologram which certifies its build quality and genuineness.
- Original Landini parts are reliable and convenient, as they enhance the working quality and efficiency of the 7 Series tractors.

The after-sales service is handled by our dealers through a team of highly-skilled, solution-oriented technicians who avail themselves of the latest diagnostic techniques. Choosing Landini means choosing excellence.


TRADITION

LANDINI, A LONG HISTORY OF SUCCESS

Giovanni Landini had a dream: to change forever the history of farming by bringing the power
of machines into the fields. He pursued his goal with great determination and, in 1884, he finally realised his dream by founding the Landini company. Landini's long history is marked by continued innovation in design and production processes and by a strong commitment to customers. In 1934, the company launched the Super Landini model: with its 48 hp, it was the most powerful tractor of the time. In 1977, the company introduced the Large series, Europe's first tractor range over 100 hp with cab mounted on suspended platform. In the 80s, Landini started manufacturing a wide range of specialty tractors that led the company to become a world leader for innovation technology and market share. In 1994, Landini was acquired by the Argo Industrial Group. The acquisition enabled the company to expand its international presence by creating a worldwide network of subsidiaries and distributors. Giovanni Landini's dream was to make farm work less tiring and more productive. That dream is still alive today, since our quality of life is closely linked to the quality of agricultural production.

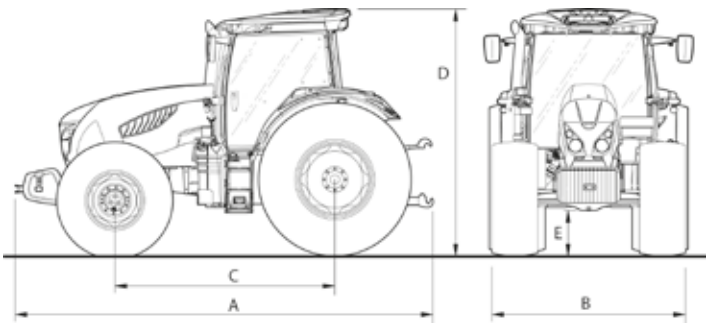
ROBO-SIX

		7-145	7-165	7-175
ENGINE				
STAGE 4/TIER 4 FINAL		NEF 4 CYLCR-TAA	NEF 4 CYLCR-TAA	NEF 4 CYLCR-TAA
ELECTRONIC HIGH PRESSURE COMMON RAIL		●	●	●
TURBO/AIR-TO-AIR INTERCOOLER		●	●	●
MAX ENGINE POWER WITH DUAL POWER AT 1900 RPM (ISO TR 14396 ECE R120)	HP/KW	150 / 111	165 / 122	176 / 129
RATED ENGINE POWER WITH DUAL POWER AT 2200 RPM (ISO TR 14396 ECE R120)	HP/KW	137 / 101	151 / 111	170 / 125
MAX ENGINE POWER AT 1900 RPM (ISO TR 14396 ECE R120)	HP/KW	141 / 104	155 / 114	166 / 122
RATED ENGINE POWER AT 2200 RPM (ISO TR 14396 ECE R120)	HP/KW	137 / 101	151 / 111	159 / 117
RATED ENGINE SPEED	RPM	2200	2200	2200
MAX TORQUE (WITH DUAL POWER) (ISO TR 14396 ECE R120)	NM	594 (615)	652 (676)	693 (693)
ENGINE RPM @ MAX TORQUE (WITH DUAL POWER)	RPM	1400 (1400)	1400 (1400)	1400 (1400)
ENGINE RPM @ MAX POWER (WITH DUAL POWER)	RPM	1900 (1900)	1900 (1900)	1900 (1900)
TORQUE RISE (WITH DUAL POWER)		36% (41%)	36% (41%)	37% (28%)
BORE / STROKE	MM	104 / 132	104 / 132	104 / 132
DISPLACEMENT (CM^3) / NO. OF CYLINDERS/ NO. OF VALVES		4500 / 4 /16	4500 / 4 /16	4500 / 4 /16
SCR + DOC AFTER-TREATMENT SYSTEM		●	●	●
COMPRESSION RATIO		17,1 : 1	17,1 : 1	17,1 : 1
ADBLUE TANK CAPACITY	L	38	38	38
FUEL TANK CAPACITY	L	280	280	280
CLUTCH				
MULTI-DISC WET CLUTCH		●	●	●
TRANSMISSION				
ROBO-SIX + POWER SHUTTLE 30FWD+15REV (6 POWERSHIFT SPEEDS IN 5 RANGES)		●	●	●
ROBO-SIX + CREEPER + POWER SHUTTLE 54FWD+27REV		○	○	○
ROBOTIZED RANGE SHIFTING		●	●	●
ECO FORTY (40 KM/H AT REDUCED ENGINE RPM)		●	●	●
TOP FIFTY (50 KM/H AT REDUCED ENGINE RPM)		○	○	○
REVERSE POWER SHUTTLE		●	●	●
ELECTROHYDRAULIC DIFFERENTIAL LOCK ON REAR AXLE		●	●	●
POWER TAKE-OFF				
WET MULTI-DISC PTO CLUTCH		●	●	●
MODULATED ELECTROHYDRAULIC ENGAGEMENT		●	●	●
FOUR SPEEDS: 1000/1000E/540/540E RPM		●	●	●
1"3/8 PTO SHAFT WITH 6 AND 21 SPLINES		●	●	●
FRONT 4WD AXLE				
RIGID TYPE		●	●	●
WITH ELECTRONICALLY-CONTROLLED HYDRAULIC SUSPENSIONS		○	○	○
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●
MAX. STEERING ANGLE		55°	55°	55°
ELECTROHYDRAULIC DIFFERENTIAL LOCK		●	●	●
BRAKING SYSTEM				
WET MULTI-DISK REAR BRAKES		●	●	●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING		●	●	●
BRAKING BOOSTER SYSTEM SERVO BRAKE		●	●	●
HYDRAULIC TRAILER BRAKING		○	○	○
PNEUMATIC TRAILER BRAKING		○	○	○
HYDRAULIC SYSTEM				
OPEN-CENTRE CIRCUIT **(ACTIVE VERSION)**		●	●	●
HYDRAULIC PUMP FLOW **(ACTIVE VERSION)**	L/MIN	88	88	88
STEERING PUMP FLOW **(ACTIVE VERSION)**	L/MIN	44	44	44
CLOSED-CENTRE CIRCUIT **(DYNAMIC VERSION ● / ACTIVE VERSION ○)**		●	●	●

4-CYLINDER

		7-145	7-165	7-175
HYDRAULIC SYSTEM				
HYDRAULIC PUMP FLOW **DYNAMIC VERSION ● / ACTIVE VERSION ○)**	L/MIN	123	123	123
STEERING PUMP FLOW **(DYNAMIC VERSION)**	L/MIN	44	44	44
MACHANICALLY-OPERATED REMOTE VALVES **(ACTIVE VERSION)**	STD/OPT	2/4 or 6	2/4 or 6	2/4 or 6
ELECTROHYDRAULICALLY-OPERATED REMOTE VALVES **(DYNAMIC VERSION)**	STD/OPT	3/5 or 7	3/5 or 7	3/5 or 7
CAN BUS LIFT CONTROL HITCH				
ELECTRONICALLY-CONTROLLED REAR HITCH		●	●	●
MAX LIFT CAPACITY **(ACTIVE VERSION)**	KG	6300	6300	6300
MAX LIFT CAPACITY **(DYNAMIC VERSION ● / ACTIVE VERSION ○)**	KG	9300	9300	9300
THREE-POINT HITCH	CAT	3N - 3	3N - 3	3N - 3
CAB AND DRIVING POSITION				
LOUNGE CAB WITH FOUR-POST DESIGN AND FLAT-DECK PLATFORM		●	●	●
ELECTRONICALLY-CONTROLLED HYDRAULIC CAB SUSPENSION (SEMI-ACTIVE CAB SUSPENSION)		○	○	○
AIR-CONDITIONING **(ACTIVE VERSION)**		●	●	●
AUTOMATIC CLIMATE CONTROL **(DYNAMIC VERSION)**		●	●	●
DIGITAL INSTRUMENT PANEL WITH PERFORMANCE MONITOR		●	●	●
SUPER DELUXE AIR SUSPENSION SEAT WITHOUT ARMREST **(ACTIVE VERSION)**		●	●	●
SUPER DELUXE AIR SUSPENSION SEAT WITH ARMREST **(DYNAMIC VERSION)**		●	●	●
DELUXE LOW-FREQUENCY AIR SUSPENSION SEAT WITH VENTILATION AND ARMREST **(DYNAMIC VERSION)**		○	○	○
RADIO / BLUETOOTH / MP3 READY		●	●	●
ISOBUS ADAPTOR		○	○	○
12" TOUCH SCREEN MONITOR		○	○	○
SATELLITE GUIDANCE KIT (8.4" TOUCH SCREEN MONITOR +ANTENNA)		○	○	○
HIDE AWAY BUDDY SEAT + AIR-CONDITIONED IN-CAB STORAGE COMPARTMENT		●	●	●
LED LIGHTS		●	●	●
DIMENSIONS AND WEIGHTS				
FRONT TYRES		540 / 65R28	540 / 65R28	540 / 65R28
REAR TYRES		650 / 65R38	650 / 65R38	650 / 65R38
A - MAX LENGTH (WITH BALLAST WEIGHTS)	MM	5070	5070	5070
B - MIN WIDTH	MM	2430	2430	2430
C - WHEELBASE	MM	2600	2600	2600
D - HEIGHT OVER CAB	MM	2920	2920	2920
E - GROUND CLEARANCE	MM	485	485	485
TOTAL WEIGHT WITH EMPTY TANK, WITHOUT BALLAST WEIGHTS	KG	6400	6400	6400
MAXIMUM PERMISSIBLE MASS	KG	11500	11500	11500
OPTIONAL EQUIPMENT				
FRONT BALLAST WEIGHTS 45 KG EACH		16	16	16
FRONT HITCH (MAX LIFT CAPACITY)	KG	3500 ○	3500 ○	3500 ○
FRONT HITCH AND PTO		○	○	○
FRONT WEIGHT FOR HITCH 800 KG		○	○	○
FRONT WEIGHT FOR HITCH 1400 KG		○	○	○

Key: ● standard ○ option — not available



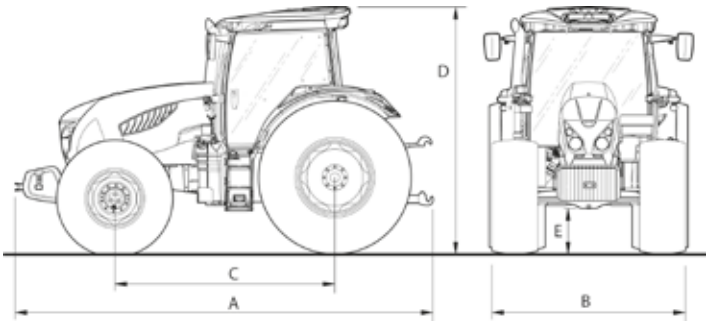
ROBO-SIX

		7-160	7-180	7-200	7-220	7-230
ENGINE						
STAGE 4/TIER 4 FINAL		NEF 6 CYLCRTAA	NEF 6 CYLCRTAA	NEF 6 CYLCRTAA	NEF 6 CYLCRTAA	NEF 6 CYLCRTAA
ELECTRONIC HIGH PRESSURE COMMON RAIL		●	●	●	●	●
TURBO/AIR-TO-AIR INTERCOOLER		●	●	●	●	●
MAX ENGINE POWER WITH DUAL POWER AT 1900 RPM (ISO TR 14396 ECE R120)	HP/KW	166/122	181/133	192/142	211/155	225/166
RATED ENGINE POWER WITH DUAL POWER AT 2200 RPM (ISO TR 14396 ECE R120)	HP/KW	151/111	165/121	179/132	192/141	205/151
MAX ENGINE POWER AT 1900 RPM (ISO TR 14396 ECE R120)	HP/KW	151/111	166/122	181/133	191 / 140	206/152
RATED ENGINE POWER AT 2200 RPM (ISO TR 14396 ECE R120)	HP/KW	146/108	161/118	176/129	185/136	200/145
RATED ENGINE SPEED	RPM	2200	2200	2200	2200	2200
MAX TORQUE (WITH DUAL POWER) (ISO TR 14396 ECE R120)	NM	632 (676)	694 (738)	758 (800)	800 (860)	850 (897)
ENGINE RPM @ MAX TORQUE (WITH DUAL POWER)	RPM	1400 (1400)	1400 (1400)	1400 (1400)	1400 (1400)	1400 (1400)
ENGINE RPM @ MAX POWER (WITH DUAL POWER)	RPM	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)
TORQUE RISE (WITH DUAL POWER)		35,5% (40,5%)	35,5% (40,5%)	35,5% (40,5%)	35,5% (40,5%)	31,4% (37,2%)
BORE / STROKE	MM	104 / 132	104 / 132	104 / 132	104 / 132	104 / 132
DISPLACEMENT (CM^3) / NO. OF CYLINDERS/ NO. OF VALVES		6728 / 6 /24	6728 / 6 /24	6728 / 6 /24	6728 / 6 /24	6728 / 6 /24
SCR + DOC AFTER-TREATMENT SYSTEM		●	●	●	●	●
COMPRESSION RATIO		17,1 : 1	17,1 : 1	17,1 : 1	17,1 : 1	17,1 : 1
ADBLUE TANK CAPACITY	L	46	46	46	46	46
FUEL TANK CAPACITY	L	320	320	320	320	320
CLUTCH						
MULTI-DISC WET CLUTCH		●	●	●	●	●
TRANSMISSION						
ROBO-SIX + POWER SHUTTLE 30FWD+15REV (6 POWERSHIFT SPEEDS IN 5 RANGES)		●	●	●	●	●
ROBO-SIX + CREEPER + POWER SHUTTLE 54FWD+27REV		○	○	○	○	○
ROBOTIZED RANGE SHIFTING		●	●	●	●	●
ECO FORTY (40 KM/H AT REDUCED ENGINE RPM)		●	●	●	●	●
TOP FIFTY (50 KM/H AT REDUCED ENGINE RPM)		○	○	○	○	○
REVERSE POWER SHUTTLE		●	●	●	●	●
ELECTROHYDRAULIC DIFFERENTIAL LOCK ON REAR AXLE		●	●	●	●	●
POWER TAKE-OFF						
WET MULTI-DISC PTO CLUTCH		●	●	●	●	●
MODULATED ELECTROHYDRAULIC ENGAGEMENT		●	●	●	●	●
FOUR SPEEDS: 1000/1000E/540/540E RPM		●	●	●	●	●
1"3/8 PTO SHAFT WITH 6 AND 21 SPLINES		●	●	●	●	●
FRONT 4WD AXLE						
RIGID TYPE		●	●	●	●	●
WITH ELECTRONICALLY-CONTROLLED HYDRAULIC SUSPENSIONS		○	○	○	○	○
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●	●	●
MAX. STEERING ANGLE		55°	55°	55°	55°	55°
ELECTROHYDRAULIC DIFFERENTIAL LOCK		●	●	●	●	●
BRAKING SYSTEM						
WET MULTI-DISK REAR BRAKES		●	●	●	●	●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING		●	●	●	●	●
BRAKING BOOSTER SYSTEM SERVO BRAKE		●	●	●	●	●
HYDRAULIC TRAILER BRAKING		○	○	○	○	○
PNEUMATIC TRAILER BRAKING		○	○	○	○	○
HYDRAULIC SYSTEM						
OPEN-CENTRE CIRCUIT **(ACTIVE VERSION)**		●	●	●	●	●
HYDRAULIC PUMP FLOW **(ACTIVE VERSION)**	L/MIN	88	88	88	88	88
STEERING PUMP FLOW **(ACTIVE VERSION)**	L/MIN	44	44	44	44	44
CLOSED-CENTRE CIRCUIT **(DYNAMIC VERSION ● / ACTIVE VERSION ○)**		●	●	●	●	●

6-CYLINDER

		7-160	7-180	7-200	7-220	7-230
CIRCUIT HYDRAULIQUE						
HYDRAULIC PUMP FLOW **(DYNAMIC VERSION ○)**	L/MIN	160	160	160	160	160
HYDRAULIC PUMP FLOW **(DYNAMIC VERSION ● / ACTIVE VERSION ○)**	L/MIN	123	123	123	123	123
STEERING PUMP FLOW **(DYNAMIC VERSION)**	L/MIN	44	44	44	44	44
MACHANICALLY-OPERATED REMOTE VALVES **(ACTIVE VERSION)**	STD/OPT	2/4 or 6	2/4 or 6	2/4 or 6	2/4 or 6	2/4 or 6
ELECTROHYDRAULICALLY-OPERATED REMOTE VALVES **(DYNAMIC VERSION)**	STD/OPT	3/5 or 7	3/5 or 7	3/5 or 7	3/5 or 7	3/5 or 7
CAN BUS LIFT CONTROL HITCH						
ELECTRONICALLY-CONTROLLED REAR HITCH		●	●	●	●	●
MAX LIFT CAPACITY **(ACTIVE VERSION)**	KG	6300	6300	6300	6300	6300
MAX LIFT CAPACITY **(DYNAMIC VERSION ● / ACTIVE VERSION ○)**	KG	9300	9300	9300	9300	9300
THREE-POINT HITCH	CAT	3N - 3	3N - 3	3N - 3	3N - 3	3N - 3
CAB AND DRIVING POSITION						
LOUNGE CAB WITH FOUR-POST DESIGN AND FLAT-DECK PLATFORM		●	●	●	●	●
ELECTRONICALLY-CONTROLLED HYDRAULIC CAB SUSPENSION (SEMI-ACTIVE CAB SUSPENSION)		○	○	○	○	○
AIR-CONDITIONING **(ACTIVE VERSION)**		●	●	●	●	●
AUTOMATIC CLIMATE CONTROL **(DYNAMIC VERSION)**		●	●	●	●	●
DIGITAL INSTRUMENT PANEL WITH PERFORMANCE MONITOR		●	●	●	●	●
SUPER DELUXE AIR SUSPENSION SEAT WITHOUT ARMREST **(ACTIVE VERSION)**		●	●	●	●	●
SUPER DELUXE AIR SUSPENSION SEAT WITH ARMREST **(DYNAMIC VERSION)**		●	●	●	●	●
DELUXE LOW-FREQUENCY AIR SUSPENSION SEAT WITH VENTILATION AND ARMREST **(DYNAMIC VERSION)**		○	○	○	○	○
RADIO / BLUETOOTH / MP3 READY		●	●	●	●	●
ISOBUS ADAPTOR		○	○	○	○	○
12" TOUCH SCREEN MONITOR		○	○	○	○	○
SATELLITE GUIDANCE KIT (8.4" TOUCH SCREEN MONITOR +ANTENNA)		○	○	○	○	○
HIDE AWAY BUDDY SEAT + AIR-CONDITIONED IN-CAB STORAGE COMPARTMENT		●	●	●	●	●
LED LIGHTS		●	●	●	●	●
DIMENSIONS AND WEIGHTS						
FRONT TYRES		540 / 65R28	540 / 65R28	540 / 65R30	540 / 65R30	540 / 65R30
REAR TYRES		650 / 65R38	650 / 65R38	650 / 65R42	650 / 65R42	650 / 65R42
A - MAX LENGTH (WITH BALLAST WEIGHTS)	MM	5260	5260	5260	5260	5260
B - MIN WIDTH	MM	2430	2430	2430	2430	2430
C - WHEELBASE	MM	2820	2820	2820	2820	2820
D - HEIGHT OVER CAB	MM	2920	2920	3055	3055	3055
E - GROUND CLEARANCE	MM	485	485	550	550	550
TOTAL WEIGHT WITH EMPTY TANK, WITHOUT BALLAST WEIGHTS	KG	7010	7010	7210	7210	7210
MAXIMUM PERMISSIBLE MASS	KG	11500	11500	13000	13000	13000
OPTIONAL EQUIPMENT						
FRONT BALLAST WEIGHTS 45 KG EACH		16	16	16	16	16
FRONT HITCH (MAX LIFT CAPACITY)	KG	3500 ○	3500 ○	3500 ○	3500 ○	3500 ○
FRONT HITCH AND PTO		○	○	○	○	○
FRONT WEIGHT FOR HITCH 800 KG		○	○	○	○	○
FRONT WEIGHT FOR HITCH 1400 KG		○	○	○	○	○

Key: ● standard ○ option — not available

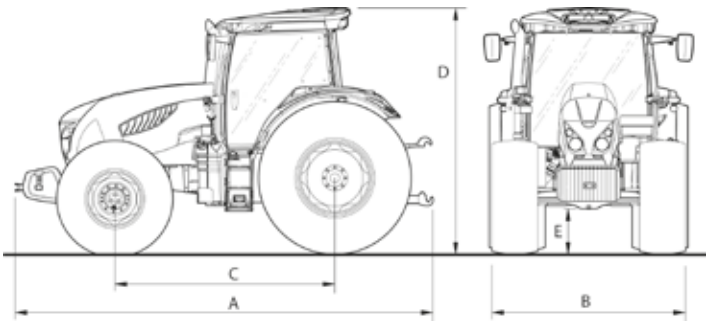


V-SHIFT

		7-145 4-CYLINDER	7-165 4-CYLINDER	7-175 4-CYLINDER	7-180 6-CYLINDER	7-200 6-CYLINDER
ENGINE						
STAGE 4/TIER 4 FINAL		NEF 4 CYLCR-TAA	NEF 4 CYLCR-TAA	NEF 4 CYLCR-TAA	NEF 6 CYLCR-TAA	NEF 6 CYLCR-TAA
ELECTRONIC HIGH PRESSURE COMMON RAIL		●	●	●	●	●
TURBO/AIR-TO-AIR INTERCOOLER		●	●	●	●	●
MAX ENGINE POWER WITH DUAL POWER AT 1900 RPM (ISO TR 14396 ECE R120)	HP/KW	150 / 111	165 / 122	176 / 129	181/133	192/142
RATED ENGINE POWER WITH DUAL POWER AT 2200 RPM (ISO TR 14396 ECE R120)	HP/KW	137 / 101	151 / 111	170 / 125	165/121	179/132
MAX ENGINE POWER AT 1900 RPM (ISO TR 14396 ECE R120)	HP/KW	141 / 104	155 / 114	166 / 122	166/122	181/133
RATED ENGINE POWER AT 2200 RPM (ISO TR 14396 ECE R120)	HP/KW	137 / 101	151 / 111	159 / 117	161/118	176/129
RATED ENGINE SPEED	RPM	2200	2200	2200	2200	2200
MAX TORQUE (WITH DUAL POWER) (ISO TR 14396 ECE R120)	NM	594 (615)	652 (676)	693 (693)	694 (738)	758 (800)
ENGINE RPM @ MAX TORQUE (WITH DUAL POWER)	RPM	1400 (1400)	1400 (1400)	1400 (1400)	1400 (1400)	1400 (1400)
ENGINE RPM @ MAX POWER (WITH DUAL POWER)	RPM	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)
TORQUE RISE (WITH DUAL POWER)		36% (41%)	36% (41%)	37% (28%)	35,5% (40,5%)	35,5% (40,5%)
BORE / STROKE	MM	104 / 132	104 / 132	104 / 132	104 / 132	104 / 132
DISPLACEMENT (CM3) / NO. OF CYLINDERS/ NO. OF VALVES		4500 / 4 /16	4500 / 4 /16	4500 / 4 /16	6728 / 6 /24	6728 / 6 /24
SCR + DOC AFTER-TREATMENT SYSTEM		●	●	●	●	●
COMPRESSION RATIO		17,1 : 1	17,1 : 1	17,1 : 1	17,1 : 1	17,1 : 1
WATER COOLING		●	●	●	●	●
AXIAL AIR FILTER WITH CYCLONE PRE-CLEANING		●	●	●	●	●
AIR FILTER EJECTOR		●	●	●	●	●
ADBLUE TANK CAPACITY	L	38	38	38	46	46
FUEL TANK CAPACITY	L	280	280	280	320	320
CLUTCH						
MULTI-DISC WET CLUTCH		●	●	●	●	●
TRANSMISSION						
VT-DRIVE CONTINUOUSLY VARIABLE TRANSMISSION (4 CVT RANGES)		●	●	●	●	●
ECO FORTY (40 KM/H AT REDUCED ENGINE RPM)		●	●	●	●	●
TOP FIFTY (50 KM/H AT REDUCED ENGINE RPM)		○	○	○	○	○
REVERSE POWER SHUTTLE		●	●	●	●	●
ELECTROHYDRAULIC DIFFERENTIAL LOCK ON REAR AXLE		●	●	●	●	●
FLANGED-TYPE AXLE		●	●	●	●	●
BAR-TYPE AXLE		○	○	○	○	○
POWER TAKE-OFF						
WET MULTI-DISC PTO CLUTCH		●	●	●	●	●
MODULATED ELECTROHYDRAULIC ENGAGEMENT		●	●	●	●	●
FOUR SPEEDS: 1000/1000E/540/540E RPM		●	●	●	●	●
1"3/8 PTO SHAFT WITH 6 AND 21 SPLINES		●	●	●	●	●
FRONT 4WD AXLE						
RIGID TYPE		●	●	●	●	●
WITH ELECTRONICALLY-CONTROLLED HYDRAULIC SUSPENSIONS		○	○	○	○	○
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●	●	●
MAX. STEERING ANGLE		55°	55°	55°	55°	55°
ELECTROHYDRAULIC DIFFERENTIAL LOCK		●	●	●	●	●
BRAKING SYSTEM						
WET MULTI-DISK REAR BRAKES		●	●	●	●	●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING		●	●	●	●	●
BRAKING BOOSTER SYSTEM SERVO BRAKE		●	●	●	●	●
HYDRAULIC TRAILER BRAKING		○	○	○	○	○
PNEUMATIC TRAILER BRAKING		○	○	○	○	○

		7-145 4-CYLINDER	7-165 4-CYLINDER	7-175 4-CYLINDER	7-180 6-CYLINDER	7-200 6-CYLINDER
HYDRAULIC SYSTEM						
CLOSED-CENTRE CIRCUIT		●	●	●	●	●
HYDRAULIC PUMP FLOW	L/MIN	-	-	-	160 ○	160 ○
HYDRAULIC PUMP FLOW	L/MIN	123	123	123	123	123
STEERING PUMP FLOW	L/MIN	44	44	44	44	44
ELECTROHYDRAULICALLY-OPERATED REMOTE VALVES	STD/OPT	3/5 or 7	3/5 or 7	3/5 or 7	3/5 or 7	3/5 or 7
CAN BUS LIFT CONTROL HITCH						
ELECTRONICALLY-CONTROLLED REAR HITCH		●	●	●	●	●
MAX LIFT CAPACITY	KG	9300	9300	9300	9300	9300
THREE-POINT HITCH	CAT.	3N - 3	3N - 3	3N - 3	3N - 3	3N - 3
CAB AND DRIVING POSITION						
LOUNGE CAB WITH FOUR-POST DESIGN AND FLAT-DECK PLATFORM		●	●	●	●	●
ELECTRONICALLY-CONTROLLED HYDRAULIC CAB SUSPENSION (SEMI-ACTIVE CAB SUSPENSION)		●	●	●	●	●
AUTOMATIC CLIMATE CONTROL (DYNAMIC VERSION)		●	●	●	●	●
DIGITAL INSTRUMENT PANEL WITH PERFORMANCE MONITOR		●	●	●	●	●
SUPER DELUXE AIR SUSPENSION SEAT WITH ARMREST		●	●	●	●	●
DELUXE LOW-FREQUENCY AIR SUSPENSION SEAT WITH VENTILATION AND ARMREST		○	○	○	○	○
RADIO / BLUETOOTH / MP3 READY		●	●	●	●	●
ISOBUS ADAPTOR		○	○	○	○	○
12" TOUCH SCREEN MONITOR		○	○	○	○	○
SATELLITE GUIDANCE KIT (8.4" TOUCH SCREEN MONITOR +ANTENNA)		○	○	○	○	○
HIDE AWAY BUDDY SEAT + AIR-CONDITIONED IN-CAB STORAGE COMPARTMENT		●	●	●	●	●
LED LIGHTS		●	●	●	●	●
DIMENSIONS AND WEIGHTS						
FRONT TYRES		540 / 65R28	540 / 65R28	540 / 65R28	540 / 65R28	540/65R30
REAR TYRES		650 / 65R38	650 / 65R38	650 / 65R38	650 / 65R38	650/65R42
A - MAX LENGTH (WITH BALLAST WEIGHTS)	MM	5070	5070	5070	5260	5260
B - MIN WIDTH	MM	2430	2430	2430	2430	2430
C - WHEELBASE	MM	2600	2600	2600	2820	2820
D - HEIGHT OVER CAB	MM	2920	2920	2920	2920	3055
E - GROUND CLEARANCE	MM	485	485	485	485	550
TOTAL WEIGHT WITH EMPTY TANK, WITHOUT BALLAST WEIGHTS	KG	6850	6850	6850	7160	7360
MAXIMUM PERMISSIBLE MASS	KG	11500	11500	11500	11500	13000
OPTIONAL EQUIPMENT						
FRONT BALLAST WEIGHTS 45 KG EACH		16	16	16	16	16
FRONT HITCH (MAX LIFT CAPACITY)	KG	3500	3500	3500	3500 ○	3500 ○
FRONT HITCH AND PTO		○	○	○	○	○
FRONT WEIGHT FOR HITCH 800 KG		○	○	○	○	○
FRONT WEIGHT FOR HITCH 1400 KG		○	○	○	○	○

Key: ● standard ○ option — not available



Passion for Innovation.

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