

**VERSATILE
EFFICIENT
COMFORTABLE**

SERIE 7



SERIE 7 SWB

Robo-Six 7-165 • 7-175 • 7-170 • 7-180

V-Shift 7-175 • 7-180

Landini

Passion for Innovation.



SERIE



SERIE 7 SWB, SUPERB PERFORMANCE AND MANOEUVRABILITY IN THE FIELD

The name Landini has stood for Passion for Innovation since the company's inception in 1884. Today, the brand's unique history is revitalised with the new **Serie 7 SWB** tractor range. The latest addition to the Landini Serie 7 tractor family is a line of short-wheelbase tractors that has been designed with PERFORMANCE, VERSATILITY, MANOEUVRABILITY and COMFORT in mind.

7 SWB

HIGHLIGHTS

Cab

- Iso-mounted cab and suspended front axle: more comfort, more traction, more safety.
- 12-inch Data Screen Manager touch screen display with new functions.
- Electrically tilt- and reach-adjustable steering wheel, tilting with instrument panel.
- Automatic or manual climate control.

Design

- New bonnet design for enhanced operator visibility.
- Lounge Cab with automotive-style fit and finish.
- Up to 20 Full-LED lights on bonnet and cab.

Engine

- New Stage V FPT NEF 45 and 67 engines with power ratings up to 175 hp.
- Self-supporting engines for enhanced performance and versatility.
- 90-degree tilting bonnet and radiator coolers opening out for easier and faster cleaning.

Transmission

V-Shift four-stage continuously variable transmission:

- Four programmable speed ranges.
- Transmission controls integrated into the multifunctional Easy Pilot hand controller.
- Lower fuel consumption and reduced operating costs.
- Speed: up to 50 km/h in Eco mode at reduced engine rpm.
Minimum speed: 40 m/h.

Robo-Six with 6 PowerShift speeds and 5 ranges:

- Robotised range shifting.
- Maximum speed: 50 km/h.
- Creeper: 54 FWD + 27 REV speeds. Minimum speed 400 m/h.
- Smart APS: automatic selection of the right gear to suit load conditions.
- Engine brake function for more efficient braking.
- Stop & Action with De-clutch function integrated into the brake pedal for smoother driving.
- Eco mode for transport operations and Oil-Cut-off feature for improved fuel economy.

Axles

- Electronically-controlled independent front suspension: more traction in the field, more stability and comfort on the road.
- Automatic control of 4WD and differential locks.
- Maximum rear tyre size: 710/60R38,
for a maximum load capacity of 11,500 kg.

Hydraulics

- Closed-centre load-sensing (CCLS) hydraulic system; variable displacement pump with up to 160 l/min flow rate.
- Up to eight mechanical or electronic remote valves.
- Front hitch with 3500 kg lift capacity.
- Electronically-controlled rear hitch with up to 9300 kg lift capacity.
- Four-speed PTO.

Onboard technology

- 12-inch DSM touch screen monitor with new functions for customised comfort and enhanced performance.
- ISObus and Precision Steering Management systems for maximum working accuracy.
- Landini Fleet & Remote Diagnostics Management and Landini Farm Management for efficient fleet management.

More versatile and easy to handle than its long-wheelbase counterpart, the **Serie 7 SWB** tractor is ideal to carry out field works in spring and autumn when the soil is wet and a light footprint is essential.

The design of the **Serie 7 SWB** impresses with its clean, dynamic lines. The one-piece bonnet has been redesigned to improve operator's visibility to the front. The new 90-degree tilting bonnet and the easy-clean radiator coolers allow for fast and easy maintenance. The spacious and comfortable cab features a high-grade fit and finish and up to 20 full-LED work lights, 12 of which fitted on the cab roof, for reliable lighting during night work.

The new FPT NEF self-supporting four- and six-cylinder engines deliver power ratings up to 175 hp, offering superior performance in terms of power, traction and fuel economy. These engines also meet Stage V emissions regulations using the innovative Hi-eSCR2 after-treatment technology.

The **Serie 7 SWB** offers two transmission options, both developed and built within the Landini factory: the V-Shift continuously variable transmission and the Robo-Six PowerShift transmission. The hydraulic system with its 160 l/min high-flow pump and the electronic management of all hydraulic functions ensure accurate implement operation in any situation. A 12-inch DSM touch screen display allows precise control of both tractor and ISObus-compatible implements, further enhancing driving accuracy and productivity.

Boasting a long tradition in tractor manufacture, Landini is the ideal partner you can rely on to achieve superior performance, added versatility and greater productivity.



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CAB

Visibility – Comfort – Innovation
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ENGINE

Power – Fuel-efficiency – Sustainability
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TRACTION

Strength – Comfort – Safety
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HYDRAULIC SYSTEM

Configurability – Productivity
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TRANSMISSION

Responsiveness – Versatility
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COMFORTABLE



*Now I work
in first class! I have
a complete all-round vision
and I don't hear any noise or feel
any vibrations, the seat is comfortable
and I have everything under
control. So I can better focus
on productivity!*

Charles

LOUNGE CAB, THE CONTROL CENTRE OF YOUR PRODUCTIVITY

With its four-post design and rear-hinged doors, the Lounge Cab of the **Serie 7 SWB** tractor offers the operator a spacious and comfortable working environment and provides unobstructed view in all directions. The mechanical cab suspension and the front axle with independent suspensions reduce vibration levels within the cab and improve stability on all terrains, allowing the operator to fully concentrate on productivity.

Wide-opening doors and a hide-away buddy seat make for easy access to the cab. The cab interior is roomy, well-lit and comfortable. In addition, an excellent sound insulation system maintains an in-cab noise level of only 70 dB. The high-quality, automotive-grade fit and finish with easy-clean soft-touch materials further enhances the operator's comfort. The steering wheel is adjustable in tilt and reach and tilts with the instrument panel. The Alcantara-upholstered driver's seat is equipped with swivel function, air suspension system, backrest ventilation and electrical height adjustment, offering the operator true first-class comfort.

HIGHLIGHTS

- Mechanical cab suspension: stability and comfort on all terrains.
- Four-post design for outstanding all-round visibility.
- Hide-away buddy seat for easier access to the cab.
- Ventilated driver's seat with swivel feature and air suspension system.
- Tilt-and reach-adjustable steering wheel, tilting with instrument panel.
- Data Screen Manager: 12-inch touch screen display with new functions.
- Multifunction armrest with ergonomic joystick and integrated controls.
- High-quality, automotive-style interior with soft-touch materials.
- Ventilation system with new eight-vent layout to maintain a comfortable in-cab temperature.
- Transparent, fully opening roof hatch with integrated sunshade.
- Radio with DAB+, Mp3 player, Bluetooth and integrated microphone.
- Up to 20 full-LED lights, 12 of which on the roof, for reliable night work lighting.

The innovative onboard technology improves performance and comfort. Keeping everything under control has never been so easy: the controls on the multifunction armrest are intuitive, servo-assisted and arranged according to anthropometric principles; the EasyPilot hand controller is easy to set up; the new functions of the 12-inch DSM touch screen display allow the user to customise and speed up the operation of the **Serie 7 SWB** in order to maximise efficiency and profitability.

The Lounge Cab is equipped with a wide range of features: refrigerated bottle holder and in-cab storage compartments; charging sockets for mobile devices; radio with DAB+, Mp3, Bluetooth and microphone; interior mirror. An efficient air distribution system with eight vents ensures uniform ventilation for a comfortable working environment all year round. Up to 20 full-LED work lights, 12 of which on the cab roof, provide optimum illumination of the work area, while two rear view cameras cover blind spots. An opening transparent hatch on the cab roof provides extra visibility for loader operation.



MYLIGHTS

This menu allows the configuration of the 12 full-LED work lights located on the cab roof of the **Serie 7 SWB**. This enables the user to always have the best lighting in any situation.

ELECTRICALLY-ADJUSTABLE STEERING WHEEL

The steering wheel is adjustable for tilt and reach by a switch and a lever. The instrument panel tilts with the steering wheel.



MYUSER

This menu allows customisation of the tractor's operation. MyUser saves the management settings of the other menus, the operating parameters and the language and associates them with the profiles of the various users.



MYTRACTOR

The MyTractor menu allows the user to save and retrieve the tractor's management settings, such as for example MyFunctions and MyHMF, without the need to reconfigure them.



MYHMF

The MyHMF menu allows the user to program headland operations by creating a sequence of automated steps. This can be done even when the tractor is stationary.

MYFUNCTIONS

The new MyFunctions menu allows the operator to configure five different functions on the DSM touch screen monitor for maximum operating comfort.



HIGHLIGHTS

This engine performs great and this adds value to my work! Now I have better performance with less consumption. And with the new design of the radiator pack, I clean the coolers in just 5 minutes, so I also save time.

Max

- New FPT NEF 45 and 67 self-supporting 4- and 6-cylinder engines.
- EPM – Engine Power Management system, to increase power up to 175 hp.
- Turbocharger with intercooler and electronic common rail injection system.
- High torque backup.
- Hi-eSCR2 after-treatment system to meet Stage V emissions regulations.
- Fuel tank with 280 l capacity.
- Easy-fill AdBlue® tank with 52 l capacity.
- Engine Brake function: enhanced braking performance.
- Cooling Matrix system: coolers open out from a single latch to allow easy and fast cleaning.

NEW FPT NEF, THE ENGINES THAT ADD VALUE TO YOUR WORK

The new FPT NEF engines give you all the power, torque and reliability required to perform every task with best-in-class efficiency. The **Serie 7 SWB** tractor range is powered by two self-supporting engines:

- > FPT NEF 67: 6.7-litre, 24-valve, 6-cylinder engine.
- > FPT NEF 45: 4.5-litre, 16-valve, 4-cylinder engine.

Both models are equipped with turbocharger, intercooler, electronic common rail injection system and comply with Stage V emissions regulations using the innovative Hi-eSCR2 after-treatment technology. The common rail and the Hi-eSCR2 system reduce fuel consumption by 10% compared to equivalent tractors.



ENGINE BRAKE FUNCTION FOR MORE RESPONSIVE BRAKING

The engine brake function makes braking more efficient and safer. A foot pedal located near the brake pedal activates a motorised throttle valve on the turbocharger which increases the braking torque.

During transport applications and PTO operations, the Engine Power Management system (EPM) controls torque variations and eliminates power losses to maintain a constant speed. The system responds to varying load conditions by delivering an additional 10 horsepower, which increases the engine power to 175 hp and 165 hp, respectively.

The wheelbase is 2760 mm on the 6-cylinder and 2651 mm on the 4-cylinder models. The self-supporting engine and the short wheelbase further enhance the manoeuvrability and efficiency of the **Serie 7 SWB** tractor range.



HIGH-PERFORMANCE

RADIATOR CLEANING TAKES JUST FIVE MINUTES

Reducing routine maintenance time improves work efficiency. To do this, Landini has developed an innovative system that allows the coolers located in front of the radiator to open fully from a single latch to enable easy, thorough cleaning in dusty conditions. This system improves cooling efficiency and engine performance while reducing fuel consumption.

THE Hi-eSCR2 TECHNOLOGY MEETS STAGE V AND PROTECTS THE ENVIRONMENT

Thanks to the innovative Hi-eSCR2 after-treatment technology, which integrates a maintenance-free filtering device into the SCR catalyst, the **Serie 7 SWB** tractors fully comply with the Stage V emissions regulations. The system guarantees a particulate-free combustion that enhances engine performance while keeping emissions low.

SHORT WHEELBASES FOR GREATER VERSATILITY AND BETTER MANOEUVRABILITY

- > With a wheelbase of 2651 mm, the four-cylinder model of the **Serie 7 SWB** offers ultimate versatility for loader operations. In addition, the reduced tractor weight (300 kg less than the six-cylinder) minimises soil compaction.
- > With a wheelbase of 2760 mm, the six-cylinder model offers enhanced front traction and stability both in the field and during front loader work whilst maintaining manoeuvrability and versatility.

NG





RESPONSIVE

Landini



V-SHIFT, THE CONTINUOUSLY VARYING TRANSMISSION

V-Shift is a user-friendly four-stage continuously variable transmission with four planetary gear trains and oil-cooled clutches that ensures fast, responsive acceleration in any situation. The V-Shift transmission enhances the performance and versatility of the **Serie 7 SWB** tractor range, making work easier, safer and more productive. Offering four speed ranges, the V-Shift transmission allows the **Serie 7 SWB** to operate within a speed bracket of 40 m/h to 50 km/h.

HIGHLIGHTS

- Four programmable speed ranges.
- Transmission controls integrated into the EasyPilot controller.
- Speed shifting without use of the clutch pedal.
- Soft acceleration, optimum speed, constant traction.
- Lower fuel consumption and reduced operating costs.
- Reverse Power Shuttle, to automatically shift from forward to reverse.
- Ease of use allows operator to focus on the task at hand.
- Speed: up to 50 km/h in Eco mode at reduced engine rpm.
Minimum speed: 40 m/h.

V-SHIFT, THE MOST ADVANCED VARIABLE TRANSMISSION EVER

*I've chosen
the V-Shift continuously
variable transmission because it
makes my work easier and lighter.
It's very intuitive to use and
extremely responsive. You
get used to it right away,
and then you'll never
go back!*

Nick

The V-Shift transmission rolls into the future with a new cutting-edge technology that uses four speed ranges instead of the usual two. This innovation allows the operator to select the ideal speed range to suit the job in hand, thereby enhancing the tractor's versatility and productivity as well as the operator's comfort.

- > 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 speed 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 that is most suited to achieve the set speed, enabling the implement connected to the PTO to work at the required rpm.
- 4. Cruise Mode:** the operator selects the tractor travel speed which remains constant.



THE EASYPILOT CONTROLLER SIMPLIFIES YOUR WORK

Integrated into the multifunctional armrest, the EasyPilot controller allows the operator to drive the Serie 7 SWB, operate the implements and use the V-Shift transmission in an intuitive and convenient manner. The MyFunctions menu allows the user to configure up to five different functions on the controller such as the engine speed cruise control, automatic headland management and shifting from forward to reverse. All functions are clearly displayed either on the touch screen monitor or on the instrument panel.



ELECTROHYDRAULIC POWER SHUTTLE

The Reverse Power Shuttle allows the operator to automatically shift from forward to reverse without using the clutch pedal, by simply operating the steering-column shuttle control lever or the joystick control. The shuttle response is adjustable by the operator to suit different tasks and conditions.





VERSATILE



ROBO-SIX TRANSMISSION: TOP-OF-THE-RANGE PERFORMANCE

Designed and manufactured at our facilities, Robo-Six is a next-generation transmission that enhances your tractor's performance and versatility both in the field and on the road. The Robo-Six transmission features a six-speed on-the-go PowerShift and five ranges with automatic shifting and a steering-column power shuttle providing 30 forward and 15 reverse speeds. A creep speed option will give the tractor 54 speeds forward and 27 in reverse. The Robo-Six transmission allows a top speed of 50 km/h at reduced engine rpm for improved fuel economy. And that's not all: the new Oil Cut-off lubrication system further improves transmission efficiency and fuel economy during transport operations.

HIGHLIGHTS

- 6 PowerShift speeds and 5 robotised ranges:
- Creeper: 54 FWD + 27 REV gears; minimum speed: 400 m/h.
- EasyPilot joystick for control of transmission.
- Speed Matching: automatic PowerShift selection based on tractor speed.
- Smart APS Auto PowerShift: automatic shifting based on load, tractor's speed and engine rpm.
- De-Clutch button: easy clutchless gear changes.
- Stop & Action system: integrates the de-clutch function into the brake pedal.
- Reverse Power Shuttle: control lever adjacent to the steering wheel, with shuttle modulation control.
- Eco mode for transport operations and Oil Cut-off feature for improved fuel economy.

I had been recommended the Robo-Six transmission for its efficiency. Now my tractor performs great, never loses power and uses less fuel. And the joystick is so intuitive that I can better focus on the task at hand.

Thomas

SMART APS AUTO POWERSHIFT AUTOMATIC TRANSMISSION

During towing and transport operations, the Smart APS Auto PowerShift system automatically selects the right gear for the job in hand based on load conditions, travel speed and engine rpm. The APS technology ensures the best performance-to-consumption ratio and makes driving safer and more comfortable.

STOP & ACTION SYSTEM FOR SMOOTH AND SAFE DRIVING

The Stop & Action technology allows the operator to control the clutch with just a light pressure on the brake pedal. This will result in a smooth driving performance, comparable to that of a continuously variable transmission. In addition, the software identifies the right time to disconnect the clutch based on the load, thereby ensuring maximum driving safety at all times.

EASYPILOT CONTROLLER, FOR TRUE OPERATING EFFICIENCY

Convenient and intuitive, the EasyPilot controller allows the operator to shift through all gears and ranges of the Robo-Six transmission without using the clutch pedal. The transmission engages immediately providing optimum traction both in the field and on the road.

With the EasyPilot, the operator can drive the tractor and operate the implements with maximum ease and comfort. Five pushbuttons on the controller allow the operator to configure up to five different functions such as the APS Auto PowerShift, differential lock, 4WD operation, declutch button, PTO, engine speed memory, one remote valve and headland management. All functions are clearly displayed either on the touch screen or on the digital instrument panel.



VERSION WITH MULTIFUNCTION ARMREST

The controls of the Robo-Six transmission are ergonomically integrated into the multifunction armrest of the driver's seat.



VERSION WITH RIGHT-HAND CONSOLE

The controls of the Robo-Six transmission are arranged on the right-hand console according to anthropometric principles.



ELECTROHYDRAULIC POWER SHUTTLE

The Reverse Power Shuttle allows the operator to automatically and seamlessly shift from forward to reverse without using the clutch, by simply operating the shuttle lever adjacent to the steering wheel. The shuttle response is adjustable by the operator to suit different tasks and conditions.



SMART APS AUTO POWERSHIFT

The Auto PowerShift (APS) will change the PowerShift speeds based on engine speed parameters and load for up and down-shifting. These parameters can be adjusted by the APS dial in the armrest from an Eco through to a Power setting.



HIGHLIGHTS

*The **Serie 7 SWB** is lightweight, so now I have less soil compaction. Also, the suspended axle improves traction and stability and driving is more precise. So I get less tired and can stay focused on the task at hand.*

Peter

- Suspended front axle: traction, stability and comfort on all terrains.
- Electrohydraulic 4WD and differential lock engagement for improved traction performance.
- Low soil compaction.

A NEW SUSPENDED AXLE TO INCREASE YOUR PRODUCTIVITY

Steep slopes and tough terrains are no longer an obstacles. Thanks to a rugged front axle with independent suspensions that allows each wheel to absorb impacts independently of one another and to an excellent weight distribution, the **Serie 7 SWB** is the tractor that transfers more power to the ground in its power class. This improves traction capability, grip, stability and manoeuvrability in the field and increases speed, safety and comfort on the road. The independent front axle system ensures easy and precise driving in any situation; without the need to continuously correct the steering, you can concentrate better on the job in hand and at the end of the day you will feel less fatigued.

Rugged and reliable, the front suspended axle with Hydralock full locking differential and electrohydraulic four-wheel drive engagement ensures greater stability and safety on all terrains and on the road, including on steep slopes. The **Serie 7 SWB** tractor is also equipped with a braking booster system which reduces the pedal effort needed to stop the vehicle for easier and safer braking and improved driving accuracy.



LESS SOIL COMPACTION MEANS RICHER HARVESTS

Lightweight and perfectly balanced, the **Serie 7 SWB** causes only a small degree of soil compaction, thereby preserving soil fertility. To further reduce the amount of compaction to the ground, both four- and six-cylinder models in the range have a maximum rear tyre size of 710/60R38. This solution improves the tractor's performance in the field and increases stability and comfort on the road.

CONFIGURABLE

HYDRAULICS THAT POWER PRODUCTIVITY

*My dealer configured the hydraulic system of my new **Serie 7 SWB** to my needs, and I'm extremely satisfied because now I have an efficient vehicle that works well and consumes little.*

Richard

The **Serie 7 SWB** tractor features a high-quality hydraulic system with closed-centre load-sensing (CCLS) technology. The variable-displacement axial pump delivers the required oil flow to the remote valves only when demanded by the operator; this eliminates unnecessary power waste and reduces fuel consumption thereby increasing productivity. The system supplies up to 160 l/min, allowing the efficient use of rear and front implement combinations. The steering pump provides a flow rate of 52 l/min.

A powerful PTO allows the **Serie 7 SWB** to operate heavy, power-demanding implements with ease. The engagement of the PTO can be modulated by the operator to ensure a soft start-up of the implement. The rear PTO of the **Serie 7 SWB** offers four speeds: 540, 540Eco, 1000 and 1000Eco rpm. When the PTO is operational, the Engine Power Management system (EPM) automatically adjusts the engine power to respond to varying load conditions, even when the tractor is stationary.

Thanks to its self-supporting design, the **Serie 7 SWB** can be simultaneously equipped with an electronically-controlled rear hitch with a lift capacity of 9300 kg and a newly-designed front hitch that lifts up to 3500 kg. The intuitive EasyPilot controller provides easy and precise control of the front and rear hitches allowing simultaneous operation of front- and rear-mounted implements for maximum versatility of use.



MORE HYDRAULIC FUNCTIONS WITH THE FLOW DIVIDER

The **Serie 7 SWB** features five remote valves. A three-way flow divider operates up to three hydraulic functions with a single remote. This means the operator can control up to seven hydraulic functions. The tractor can be equipped with up to eight remote valves with push-pull quick couplings, all controlled by the EasyPilot.

CONFIGURABLE HYDRAULICS TO MEET EVERY NEED

The **Serie 7 SWB** features a highly-configurable hydraulic system that enables the tractor to be precisely tailored to the user's individual needs.

> **Version with console:** This configuration offers up to three mechanical remotes plus two electrohydraulic remotes controlled by the intuitive EasyPilot controller. A three-way flow divider with six quick couplings operates up to three hydraulic functions via a flow selector.

> **Version with multifunction armrest:** This configuration offers up to five electronic remote valves plus a flow divider with six quick-release couplings for precise and efficient operation of all hydraulic functions.

LANDINI L50 FRONT LOADER

Controlled by the electronic EasyPilot controller, the rugged L50 front loader from Landini provides smooth and precise operation. The L50 front loader is the perfect match for your **Serie 7 SWB** tractor, and together they provide superior efficiency and productivity.







LANDINI DIGITAL SOLUTIONS HELP YOU CULTIVATE YOUR FUTURE

Technological innovation improves working conditions, increases productivity and protects the environment. Following this philosophy, the Argo Tactors Group has prepared its tractors for the most cutting-edge digital and telematic technologies. This will help farmers manage their machinery fleets and their farms more efficiently and remotely, wherever they are. Landini Digital Solutions offers a range of advanced functionalities:

Telemetry and Remote Diagnostics: Thanks to the Fleet & Remote Diagnostics Management system, telemetry monitors your fleet analysing tractor performance data, while remote diagnostics enables tractor parameters to be monitored and managed from a remote location.

Precision Farming: The Precision Steering Management satellite guidance system improves working accuracy and efficiency; the ISObus system ensures efficient control of implements, including in automatic mode.

Farm Management: Landini Farm manages prescription maps and simplifies farm management.

Digital Services: The My Landini app provides easy access to the Landini world.

Cloud Data: The Agrirouter cloud platform allows integrated communication among all services.

Landini Digital Solutions give you more performance, more efficiency and more profitability while improving simplicity, safety and comfort.



1 REAL-TIME FLEET MONITORING

The system displays at any time the exact location of each tractor in a fleet and, using the Geofencing technology, notifies whenever a vehicle enters or exits a specified zone. It also measures the efficiency of each tractor by checking parameters like speed, engine hours and RPMs, fuel and AdBlue® levels, average consumptions and work progress.

2 DATA ANALYSIS

The data coming from the tractors allow the system to measure the productivity of each vehicle in the fleet and the farm's operating profit. These data are essential to monitor and reduce costs, make predictions, organise work plans and take informed decisions.



FLEET & REMOTE DIAGNOSTICS MANAGEMENT: PROFIT ASSURED

Landini, a brand name that stands worldwide for passion and innovation, equips all its tractors with remote management and diagnostic capabilities. The **Landini Fleet & Remote Diagnostics Management** system helps farmers make informed data-driven decisions that will reduce their operating costs while increasing the efficiency and productivity of their farms. The system, which can be easily accessed from a computer or a mobile device, allows farmers to remotely monitor the activity of each tractor and analyse the data of their entire fleet of vehicles. This advanced solution is based upon four key functions:

1. Real-time fleet monitoring
2. Data analysis
3. Scheduled maintenance and remote diagnostics
4. Activity history

Landini is fully committed to addressing the needs of modern agriculture with concrete and effective solutions. The **Landini Fleet & Remote Diagnostics Management** system helps farmers manage their farms more efficiently by favouring the most appropriate choices in order to maintain their tractors in good working order, optimise their work and increase their business profitability.

SCHEDULED MAINTENANCE AND REMOTE DIAGNOSTICS

The tractor fleet is managed in a simple and fast manner. In case of failure, our after-sales service intervenes remotely in real time in order to adopt the most appropriate solutions and to improve the tractor's performance, thereby reducing downtime and extending the equipment's life.

ACTIVITY HISTORY

This function delimits the work areas and stores the data of the activities performed. This allows the user to better organise the work, increase efficiency and productivity and maximise profitability.



LANDINI FARM TECHNOLOGY MAKES FARMING MORE PRODUCTIVE

Landini improves the efficiency of your farming operations. But not only this: **Landini Farm** connects your tractor to an intelligent and intuitive farm management system. This brings farmers a number of benefits in terms of time saving, work simplification and enhanced performance.



360-DEGREE MANAGEMENT SOLUTIONS FOR YOUR FARM

Landini Farm supports more than 400 different crops and allows virtually all tasks on the farm to be accomplished, including crop management, tracking and planning of field activities, advice on crop protection and irrigation practices, creation and exchange of prescription maps with monitoring of costs and sustainability, export of documents.

ALWAYS AT YOUR FINGERTIPS

Whether in the field or on the farm, Landini is always at your side, thanks to the **Landini Farm** app for smart-phone and tablet. And if you want to run your business from your computer, you may access the web version synchronised with the mobile devices.

CONNECTED TO YOUR LANDINI

By connecting your Landini to the **Landini Farm** app, you can view performance levels and reports on the farming activities carried out in the fields. In addition, you can display prescription maps, A/B lines, boundaries and obstacles.

SIMPLE AND INTUITIVE

Landini Farm is designed to be clear and user-friendly. A support chat answers questions about the use of the app.



PRECISION STEERING MANAGEMENT FOR PRECISION PERFORMANCE

Precision farming has been in existence ever since man started to cultivate land. Today, thanks to technological development, precision farming is carried out with cutting-edge tools that improve efficiency and increase productivity.

Landini uses the innovative **PSM (Precision Steering Management)** system, a set of integrated devices for satellite-assisted guidance that can be managed from the tractor cab via a simple touch screen, on which the tasks to be performed in the field can be easily imported. Thanks to the precise automated steering control, the tractor only deviates 2 cm from the desired route, eliminating overlaps. This helps operators work with more speed and accuracy and reduces operating costs and environmental impact while raising efficiency and productivity in the field.



ISOBUS & ISOBUS GREEN MAKE YOUR WORK SIMPLE AND EFFICIENT

In 2015, Argo Tractors received the AEF ISObus certification. The **ISObus** system is the standard protocol through which the on-board computer communicates with the tractor and implements. The automatic control of **ISObus**-compatible implements allows variable-rate applications to be delivered through prescription maps generated by Landini Farm. All **ISObus**-compatible implements are managed via a DSM 12" touch screen monitor to improve operating efficiency and productivity.

Landini is a leading participant in the innovative **ISObus Green** project. This project allows farmers to retrofit their mechanical implements with the technology so as to connect them to the tractor's **ISObus** system. This solution maximises the efficiency of every implement.



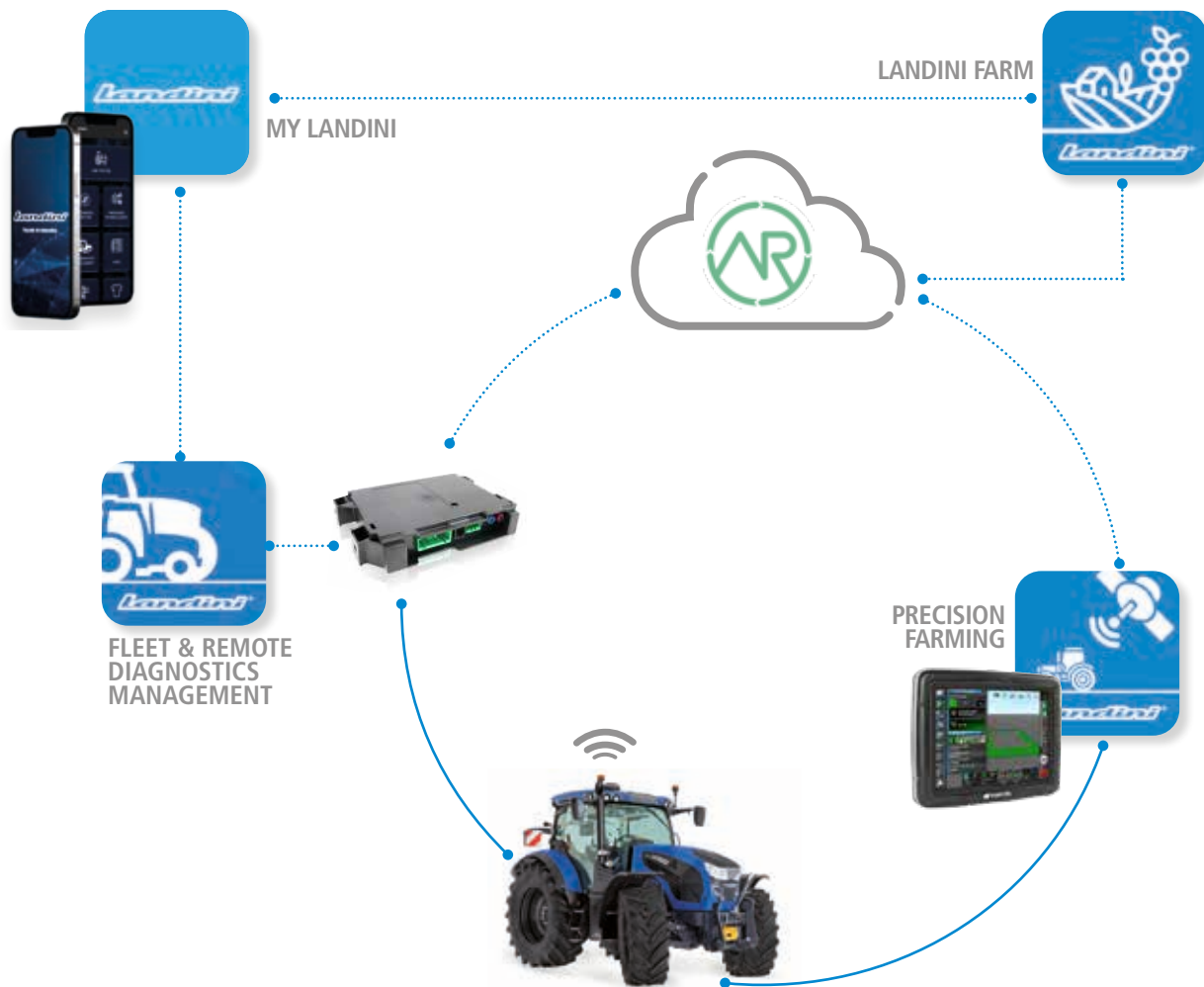
PRECISION STEERING MANAGEMENT & ISOBUS BRING BENEFITS TO THE FIELD

The *Precision Steering Management* and the ISObus system are innovative technologies adopted by Landini to increase efficiency and productivity while improving comfort and safety:

- All implement activities are managed with a high level of accuracy, including in automatic mode.
- Difficult manoeuvres are simplified, thereby reducing operator fatigue.
- When the driver must attend to driving and simultaneously control the implements, the PSM satellite-based guidance system will allow them to fully concentrate on the task at hand.
- The satellite guidance system tracks field operations with maximum accuracy. Thanks to the RTK protocols,

the automatic steering allows a deviation of only 2 cm from the set route.

- Reducing the travelled distance in the field reduces tractor and implement wear and tear and saves fuel.
- The use of variable-rate applications based on prescription maps generated by the Landini Farm platform eliminates skips and overlaps, minimizing product waste. Variable-rate technology reduces overuse of water, seed use by 10%, fertilizer use by 16% and herbicide use by up to 60%.
- Chemical residues are also reduced with significant benefits for the environment.
- Reports and pre-setting operations are simpler and can be done autonomously without recourse to skilled personnel.



ARGO TRACTORS FLEET ROUTER MANAGEMENT SIMPLIFIES YOUR WORK

The new digital technologies have rapidly multiplied the sources and destinations of data. Today, it is paramount for both small farmers and large agricultural businesses to enable different systems to communicate with each other. For this reason, on March 30, 2023, Argo Tractors has become an **Agrirouter** certified partner with the account *Argo Tractors Fleet Router Management*. **Agrirouter** is a universal data exchange cloud platform that allows the interchange of information between machinery, equipment and software of different manufacturers. **Agrirouter** links different sources and platforms, simplifying the operating processes and ensuring data confidentiality. The operator keeps everything under control with a single system. By connecting the tractor to the implements, including those from different manufacturers, and to the Landini Farm platform, a simple and efficient integrated management of both machinery and farm is achieved.



MY LANDINI APP, WELCOME TO LANDINI'S HOME

The intuitive **My Landini** app offers the user a 360-degree immersive experience through our Digital Solutions. The **My Landini** app gives you easy access to all Landini digital services, allowing you to stay connected with the company through news, insights, offers and customised information. With **My Landini** you can:

- Register your Landini tractor fleet and access the scheduled maintenance program.
- Access the Landini Fleet & Remote Diagnostics Management system.
- Access the Landini Farm platform.
- Stay updated with the very latest news and events from the Landini world.
- Stay informed on promotions and offers of tractors, original spare parts and services.
- Stay updated with new products, promotions and events from the nearest dealer.

Landini is always at your side. With the **My Landini** app you have the whole Landini world at your fingertips, so you stay informed and optimise your work making it more efficient and productive.

MY LANDINI



QUICK AND EASY MAINTENANCE TO GET YOU UP AND RUNNING IN NO TIME

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

1. The tilt-up bonnet opens 90° to provide easy access to the engine compartment for checks and maintenance operations.
2. The oil filler cap is placed in the lower part of the engine, so topping up of engine oil can be done without opening the bonnet.
3. The engine air intake filter is conveniently placed to facilitate cleaning and replacement.
4. The radiator coolers 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 to avoid mix-up.
6. The in-cab air filter is easily accessible for maintenance.
7. The oil level in the transmission can be conveniently checked through the oil filler cap with level gauge placed beside the rear PTO.
8. Windscreen wiper fluid reservoir is located on the back of the cab.



LANDINI ORIGINAL SPARE PARTS, THE CORNERSTONE OF YOUR PRODUCTIVITY

Although it works hard, your Landini tractor always looks good as new. With Landini original parts time seems to have stopped. Our original spare parts are an integral part of our scheduled maintenance and extended warranty program. 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 reliable and safe performance over time. The strong points of Landini original spare parts are the following:

- > **Speed:** Spare parts are always shipped within 24 hours of order receipt.
 - > **Quality:** Each part comes with a 12-month warranty and is marked with a tamper-proof hologram that certifies the product's quality and originality.
 - > **Value for Money:** Original Landini parts are reliable and good value: they improve your tractor performance, maintain high productivity levels and preserve your tractor's value.
- All Landini spare parts rely on our extensive design and manufacturing expertise. Because when you choose Landini, you are choosing quality without compromise.



TRADITION



PASSION FOR INNOVATION, SINCE 1884

Giovanni Landini had a dream: to change forever the history of farming by bringing the power of machines to the fields. He pursued this goal with great determination and in 1884 he finally realised his dream by setting up his own factory named Officine Landini. Landini's long history is marked by continued innovation in design and production processes and by a strong commitment to customers.

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 arduous and more productive. That dream is still alive today, where our quality of life greatly depends on the quality of our agricultural products.

V-SHIFT

		7-175 V-SHIFT	7-180 V-SHIFT
ENGINE			
Rated power (ISO/TR 14396)	hp/kW	159 / 117	159 / 117
Rated power with EPM (ISO/TR 14396)	hp/kW	170 / 125	170 / 125
Max power (ISO/TR 14396)	hp/kW	166 / 122	166 / 122
Max power with EPM (ISO/TR 14396)	hp/kW	176 / 129	176 / 129
Rated engine speed	rpm	2200	
Engine speed at max power	rpm	1900	
Max torque without EPM (with EPM) at 1400 rpm	Nm	700 (700)	694 (737)
Torque backup without EPM (with EPM)		38% (29%)	36% (36%)
Manufacturer		FPT	
Engine type - Installation		NEF 45 - structural engine	NEF 67 - structural engine
Stage V / Tier 4 Final exhaust after-treatment system		Hi-eSCR2	
Cylinders/ Displacement / Valves		4 / 4.5 l / 16	6 / 6.7 l / 24
Air filter system		air filter with pre-cleaning stage and dust ejector	
Air intake system		turbo intercooler	
Fuel injection system		electronically-controlled high pressure common rail system	
Maintenance interval		500 hours	
Cooling system		matrix radiator pack - coolers open out from single latch	
Viscotronic fan		●	
CAPACITIES			
Fuel tank	l	350	
AdBlue / DEF tank	l	52	
Cooling system	l	29	
TRANSMISSION			
Type		V-Shift - continuously variable transmission	
No. of stages		4	
Minimum speed - Engine speed	m/h - rpm	40 - 2200	
Engine speed at 40 km/h	rpm	● - 1550	
Engine speed at 50 km/h	rpm	○ - 1690	
Transmission control		EasyPilot with multifunction armrest	
Forward/reverse shuttle		electrohydraulic with modulation control	
REAR PTO			
Type		electrohydraulic multidisc clutch with modulated engagement	
Speeds	rpm	540 / 540 E / 1000 / 1000 E	
Engine speed at rated PTO speed	rpm	2005 / 1608 / 1995 / 1600	
Rotation - spline shaft type		clockwise (viewed from tractor rear) - ● - 1-3/8" PTO shaft with 6 splines / ○ 1-3/8" PTO shaft with 21 splines	
FRONT AND REAR AXLES			
Front rigid axle		●	
Front suspended axle		○ -IFS - independent front wheel suspension system	
Traction type		electrohydraulic 4WD	
Front differential lock		fully electrohydraulic	
Rear differential lock		fully electrohydraulic	
Rear axle - flanged type		●	
Rear axle - bar axle type		○	
BRAKING SYSTEM			
Front braking system		automatic 4WD engagement while braking	
Rear braking system	l/min	5 oil-cooled discs	
Trailer braking system		○ - pneumatic brake system with 2 or 2+1 lines as per MR, with or without single-line hydraulic brake - 2-line hydraulic brake system as per MR (40 km/h only)	
Engine brake		●	
HYDRAULIC SYSTEM			
Hydraulic piston pump with CCLS system - flow rate		● - 123 l/min	
Hydraulic piston pump with CCLS system - high flow rate		○ - 160 l/min	
Steering pump - flow rate		● - 52 l/min	
Remote valves - type, flow rate, min - max		electrohydraulic, 100 l/min, 3 - 6	
Flow divider with flow selector - section flow rate		○ - 3 sections with dedicated push-pull connectors - 60 l/min per section	
Free flow return		●	
Power Beyond ready and free flow return		○	
Power Beyond with push-pull connectors and free flow return		○	
Mid-mounted remote valves - flow rate		○ - 2 electrohydraulic with multifunction joystick - 100 l/min	
Front loader ready kit		○	
Hydraulic oil take out	l	40	

TECHNICAL DATA

REAR 3-POINT HITCH

Electronically-controlled rear hitch	with lower link draft control, position control, mixed control, float position
Category - coupler type	III - ball ends with quick-hitch hooks
Max lift capacity at the hooks - ram diameter	kg ● - 9300 - 100 mm

FRONT 3-POINT HITCH

Electronically-controlled front hitch	○ - with position control
Category - coupler type	III N - ball ends with quick-hitch hooks
Lift capacity at the hooks (OECD at the hooks)	kg 3500

FRONT PTO

Type	○ - electrohydraulic multidisc clutch with modulated engagement
Speeds	1000
Engine speed at rated PTO speed	rpm 1920
Rotation - spline shaft type	○ - clockwise (viewed from tractor front) - 1-3/8" PTO shaft with 6 splines

CAB

Lounge Cab - 4-post cab mounted on silent blocks	●
Landini mechanical cab suspension system	○
Landini semi-active suspension system	○ - electronically-controlled electrohydraulic semi-active cab suspension
In-cab noise level	dB(A) 70
Automatic climate control	●
Deluxe air suspension seat	● - low-frequency air suspension, swivel and height adjustments, manual weight control, lumbar support and headrest
Super Deluxe air suspension seat	○ - Dynamic Damping System, backrest ventilation, alcantara upholstery, swivel and height adjustments, automatic weight control, lumbar support and headrest
Hide-away buddy seat	●
EasyPilot with multi-function armrest	● - with electrohydraulic remote valves
DSM Data Screen Manager	● - 12" touch screen monitor with electrohydraulic remote valves
MyFunctions	● - with DSM
MyLights	● - with DSM
MyHMF	● - with DSM
Radio ready	● - with 4 speakers
Radio system	○ - radio DAB Mp3 with 4 speakers, bluetooth, aux-in and integrated microphone
Halogen work lights	● - 18
LED work lights	○ - 20
Beacon lights	● - left side ○ - left and right side

ON-BOARD TECHNOLOGY

Front ISOBus	○
Rear ISOBus	○
PSM Precision Steering Management, rear ISOBus & EazySteer - ready	○
PSM Precision Steering Management, rear ISOBus & EazySteer - EGNOS full kit	○
PSM Precision Steering Management, rear ISOBus & EazySteer - RTK NTRIP full kit	○ - AT Spare Parts
Landini Fleet Management - ready	○
Fleet & Remote Diagnostics management & Landini Farm Pro Pack on selected markets	● 1 year ○ 3 years ○ 5 years

WEIGHTS AND DIMENSIONS

Wheelbase	mm	2651	2760
Max height over cab without beacon lights (with PSM satellite steering system)	mm	2942 (3078) - measured with tyres 480/65R28 - 600/65R38	
Max height from top of cab to rear axle centre (with PSM satellite steering system)	mm	2159 (2295)	
Max length with front weights - Max width	mm	5235 - 2550 - measured with tyres 600/60R28 - 710/60R38	5344 - 2550 - measured with tyres 600/60R28 - 710/60R38
Steering radius	mm	5400 - measured with tyres 480/65R28 - 600/65R38	
Shipping weight - measured with average specs	kg	6700	7000
Gross vehicle weight	kg	11500	
Max front and rear tyre sizes - (Index Radius - IR)	mm	600/60R28 (IR 675) - 710/60R38 (IR 875)	
Front weight support		●	
Weights - no. x weight	kg	○ - 12 x 45 ○ - 16 x 45	
Front hitch weight	kg	○ - 800	
Rear axle weights	kg	○ - 170 ○ - 340 ○ - 510	

Key: ● standard ○ option

ROBO-SIX

		7-165 ROBO-SIX	7-175 ROBO-SIX	7-170 ROBO-SIX	7-180 ROBO-SIX
ENGINE					
Rated power (ISO/TR 14396)	CV/kW	151 / 111	159 / 117	151 / 111	159 / 117
Rated power with EPM (ISO/TR 14396)	CV/kW	151 / 111	170 / 125	151 / 111	170 / 125
Max power (ISO/TR 14396)	CV/kW	155 / 114	166 / 122	155 / 114	166 / 122
Max power with EPM (ISO/TR 14396)	CV/kW	165 / 122	176 / 129	165 / 122	176 / 129
Rated engine speed	giri/min	2200			
Engine speed at max power	giri/min	1900			
Max torque without EPM (with EPM) at 1400 rpm	Nm	652 (676)	700 (700)	652 (676)	694 (737)
Torque backup without EPM (with EPM)		36% (40%)	38% (29%)	36% (40%)	36% (36%)
Manufacturer		FPT			
Engine type - Installation		NEF 45 - structural engine		NEF 67 - structural engine	
Stage V / Tier 4 Final exhaust after-treatment system		Hi-eSCR2			
Cylinders/ Displacement / Valves		4 / 4.5 l / 16		6 / 6.7 l / 24	
Air filter system		air filter with pre-cleaning stage and dust ejector			
Air intake system		turbo intercooler			
Fuel injection system		electronically-controlled high pressure common rail system			
Maintenance interval		500 hours			
Cooling system		matrix radiator pack - coolers open out from single latch			
Viscotronic fan		○			
CAPACITIES					
Fuel tank	l	280			
AdBlue / DEF tank	l	46			
Cooling system	l	27			
TRANSMISSION					
Type		Robo-Six - 6 powershift speeds and 5 robotized ranges			
No. of gears		● - 30 FWD + 15 REV without creeper - ○ 54 FWD + 27 REV with creeper			
Minimum speed	km/h	3.2 without creeper - 0.4 with creeper			
Engine speed at 40 km/h	rpm	● - 1577			
Engine speed at 50 km/h	rpm	○ - 1971			
Transmission control		EasyPilot on RH console (with mechanical remote valves) EasyPilot on multi-function armrest (with electronic remote valves)			
Forward/reverse shuttle		electrohydraulic with modulation control			
APS - Auto PowerShift		● - electronically-controlled automatic powershift and range shifting			
REAR PTO					
Type		electrohydraulic multidisc clutch with modulated engagement			
Speeds		540 / 540 E / 1000 / 1000 E			
Engine speed at rated PTO speed	giri/min	2005 / 1608 / 1995 / 1600			
Rotation - spline shaft type		clockwise (viewed from tractor rear) - ● - 1-3/8" PTO shaft with 6 splines / ○ 1-3/8" PTO shaft with 21 splines			
FRONT AND REAR AXLES					
Front rigid axle		●			
Front suspended axle		○ - IFS - independent front wheel suspension system			
Traction type		electrohydraulic 4WD			
Front differential lock		fully electrohydraulic wet clutch			
Rear differential lock		fully electrohydraulic wet clutch			
Rear axle - flanged type		●			
Rear axle - bar axle type		○			
BRAKING SYSTEM					
Front braking system		automatic 4WD engagement while braking			
Rear braking system	l/min	5 oil-cooled discs			
Trailer braking system		○ - pneumatic brake system with 2 or 2+1 lines as per MR, with or without single-line hydraulic brake - 2-line hydraulic brake system as per MR (40 km/h only)			
Engine brake		•			
HYDRAULIC SYSTEM					
Hydraulic piston pump with CCLS system - flow rate		● - 123 l/min			
Hydraulic piston pump with CCLS system - high flow rate		○ - 160 l/min			
Steering pump - flow rate		● - 52 l/min			
Remote valves - type, flow rate, min - max		● - 3 mechanical, 80 l/min - ○ - 2 mechanical, 3 mechanical + 2 electronic, 100 l/min 3E, 4E, 5E, 3E+2E, 4E+2E			
Flow divider with flow selector - section flow rate		○ - 3 sections with dedicated push-pull connectors - 60 l/min per section			
Free-flow return		●			
Power Beyond ready and free-flow return		○			
Power Beyond with push-pull connectors and free-flow return		○			
Mid-mounted remote valves - flow rate		○ - 2 electrohydraulic with multifunction joystick - 100 l/min			
Front loader ready kit		○			
Hydraulic oil take out	l	40			

TECHNICAL DATA

REAR 3-POINT HITCH

Electronically-controlled rear hitch		with lower link draft control, position control, mixed control, float position
Category - coupler type		III - ball ends with quick-hitch hooks
Max lift capacity at the hooks - ram diameter	kg	● - 6400 - 80 mm ○ - 9300 - 100 mm

FRONT 3-POINT HITCH

Electronically-controlled front hitch		○ - with position control
Category - coupler type		III N - ball ends with quick-hitch hooks
Lift capacity at the hooks (OECD at the hooks)	kg	3500

FRONT PTO

Type		○ - electrohydraulic multidisc clutch with modulated engagement
Speeds		1000
Engine speed at rated PTO speed	rpm	1920
Rotation - type of spline shaft		○ - clockwise (viewed from tractor front) - 1-3/8" PTO shaft with 6 splines

CAB

Lounge Cab - 4-post cab mounted on silent blocks		●
Landini mechanical cab suspension system		○
In-cab noise level	dB(A)	70
Manual climate control		●
Automatic climate control		○
Deluxe air suspension seat		● - low-frequency air suspension, swivel and height adjustments, manual weight control, lumbar support and headrest
Super Deluxe air suspension seat	mm	○ - Dynamic Damping System, backrest ventilation, alcantara upholstery, swivel and height adjustments, automatic weight control, lumbar support and headrest
Hide-away buddy seat	mm	●
EasyPilot on RH console	mm	●
EasyPilot with multi-function armrest	mm	○ - with electrohydraulic remote valves
DSM Data Screen Manager	mm	○ - 12" touch screen monitor with electrohydraulic remote valves
MyFunctions	mm	● - with DSM
MyLights	kg	● - with DSM
MyHMF	kg	● - with DSM
Radio ready		● - with 4 speakers
Radio system		○ - radio DAB Mp3 with 4 speakers, bluetooth, aux-in and integrated microphone
Halogen work lights	kg	● - 14 with EasyPilot on RH console ○ - 18 with EasyPilot on multifunction armrest
LED work lights	kg	○ - 16 with EasyPilot on RH console ○ - 20 with EasyPilot on multifunction armrest
Beacon lights		● - left side ○ - left and right side

ON-BOARD TECHNOLOGY

Collegamento ISObus anteriore		○
Collegamento ISObus posteriore		○
PSM Precision Steering Management, ISObus posteriore & EasySteer - predisposizione		○
PSM Precision Steering Management, ISObus posteriore & EasySteer - kit completo EGNOS		○
PSM Precision Steering Management, ISObus posteriore & EasySteer - kit completo RTK NTRIP		○ - AT Spare Parts
Landini Fleet Management - ready		●
Fleet & Remote Diagnostics management & Landini Farm Pro Pack on selected markets		● 1 year - ○ 3 years- ○ 5 years

WEIGHT AND DIMENSIONS

Wheelbase	mm	2651	2760
Max height over cab without beacon lights (with PSM satellite steering system)	mm	2942 (3078) - measured with tyres 480/65R28 - 600/65R38	
Max height from top of cab to rear axle centre (with PSM satellite steering system)	mm	2159 (2295)	
Max length with front weights - Max width	mm	5235 - 2550 - measured with tyres 600/60R28 - 710/60R38	5344 - 2550 - measured with tyres 600/60R28 - 710/60R38
Steering radius	mm	5400 - measured with tyres 480/65R28 - 600/65R38	
Shipping weight - measured with average specs	kg	6700	7000
Gross vehicle weight	kg	11500	
Max front and rear tyre sizes - (Index Radius - IR)	mm	600/60R28 (IR 675) - 710/60R38 (IR 875)	
Front weight support		●	
Weights - no. x weight	kg	○ - 12 x 45 ○ - 16 x 45	
Front hitch weight	kg	○ - 800	
Rear axle weights	kg	○ - 170 ○ - 340 ○ - 510	

Key: ● standard ○ option - not available



Passion for Innovation.

