

EFFICIENT
POWERFUL
COMFORTABLE

SERIE 7



SERIE 7 STAGE V

V-SHIFT 7-240

1800 1500 1200 900 600 300

1000 800 600 400 200 100

Landini

Passion for Innovation.



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.



SERIE 7 STAGE V TRACTOR RANGE, 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. This strategic choice has enabled Argo Tractors engineers to further upgrade **Landini's Serie 7 tractor range**, which now leads its class in efficiency, performance, flexibility and comfort.



HIGHLIGHTS

Cab

- Lounge Cab with four-post design and semi-active suspension system
- DSM Data Screen Manager: 12-inch touch screen monitor with new functions
- Automatic climate control
- Electrically adjustable steering wheel

Design

- New hood design with more rounded lines
- New automotive-style cab
- Up to 20 LED work lights on hood and cab

Engine

- HI-eSCR2 emissions control system meeting Stage V regulations
- Engine located within rugged chassis for enhanced performance
- Coolers open out to allow easier and faster cleaning
- Best-in-Class system: scheduled maintenance is halved to save time and costs

Transmission

V-Shift four-stage continuously variable transmission:

- Four programmable speed ranges
- Transmission controls integrated into the V Easy Pilot proportional controller
- Lower fuel consumption, reduced operating costs
- Speed: 40 km/h or 50 km/h Eco speed at reduced engine rpm. Minimum speed 40 m/h

Axles

- Front axle with electronically-controlled independent front suspension
- Automatic 4WD and differential lock engagement

Hydraulic system

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

The new **Serie 7 Stage V** tractors are designed to satisfy the most exacting needs of modern farms and agricultural contractors. Inspired by the automotive design, the new tractor range has been restyled with a more dynamic look and high-quality fit and finish and offers a spacious cab with ergonomically-arranged, intuitive controls for maximum comfort and ease of operation. The cab roof has been fully redesigned and the 12 work lights have been repositioned to provide full all-round visibility for night-time operation. The hood has also been reshaped to enhance visibility to the front.

Located within a rugged chassis, the new FPT NEF engines come packed with more power, delivering up to 240 hp. These new engines offer excellent performance in terms of traction capability and fuel efficiency, while allowing quick and easy maintenance. Equipped with the innovative HI-eSCR2 exhaust after-treatment system, the engines of the new **Serie 7** meet the Stage V emissions regulations.

The range features a closed-centre load-sensing hydraulic system with 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 precise control of both tractor operation and ISObus implements for maximum efficiency and productivity.

Choosing Landini means you can count on a reliable partner capable of offering cutting-edge technology for unmatched performance and productivity.



*When I get into
my **Serie 7**, it's like stepping
into an office. Everything is simple,
comfortable and within easy reach.
And at the end of the day,
I don't feel tired at all.*

Max

LOUNGE CAB: SUPERIOR COMFORT FOR GREATER PRODUCTIVITY

The Landini **Serie 7 StageV** features the newly-designed Lounge Cab, an innovative four-post cab with rear-hinged doors that provides exceptional all-round visibility. The new cab offers a highly-efficient sound insulation system which maintains an in-cab noise level of only 70 dB for maximum comfort of operation. An electrohydraulic semi-active suspension system is optionally available to further enhance ride comfort.

Wide and 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 and the steering wheel can be electrically adjusted in tilt and depth to suit the driver's needs. The Alcantara upholstered swivel seat with dynamic air suspension system and fully automatic height adjustment features backrest heating and ventilation for ultimate driving comfort. The multifunction right-hand armrest accommodates the main tractor controls arranged in a simple and logical manner.

HIGHLIGHTS

- Four-post design
- One-piece windscreen for unequalled all-round visibility
- Mechanical or hydraulic semi-active cab suspension optional
- Instrument panel electrically adjustable in tilt and depth
- Ventilated air suspension seat with swivel option
- DSM Data Screen Manager: 12" touch screen monitor
- Multi-function armrest with ergonomically-designed controller and integrated controls
- Hide-away buddy seat for easier access to cab
- Automatic climate control
- Opening transparent roof hatch
- Automotive-style interior with soft-touch materials
- DAB radio with MP3 player, Bluetooth and integrated microphone
- Up to 20 latest-generation LED work lights on hood, cab and fenders

In addition, an ergonomically-designed multifunction 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, a 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 system maintains the desired cab temperature whatever the outdoor weather conditions.



MyFUNCTIONS

The **Serie 7 Stage V** tractor enables the operator to have all the most frequently used controls within fingertip reach. The innovative MyFunctions menu allows the operator to configure and save up to five different functions via the DSM monitor. All controls are ergonomically integrated into the multifunction armrest for improved comfort and ease of operation.

NEW FPT NEF ENGINES: PLENTY OF PULLING POWER IN THE FIELD

The Serie 7 tractor range meeting the Stage V emission standard is powered by the new FPT NEF 6.7L six-cylinder turbo engines with multivalve technology and electronic common rail injection system. The engines are located within a rugged chassis which helps reduce noise and vibration levels within the cab.



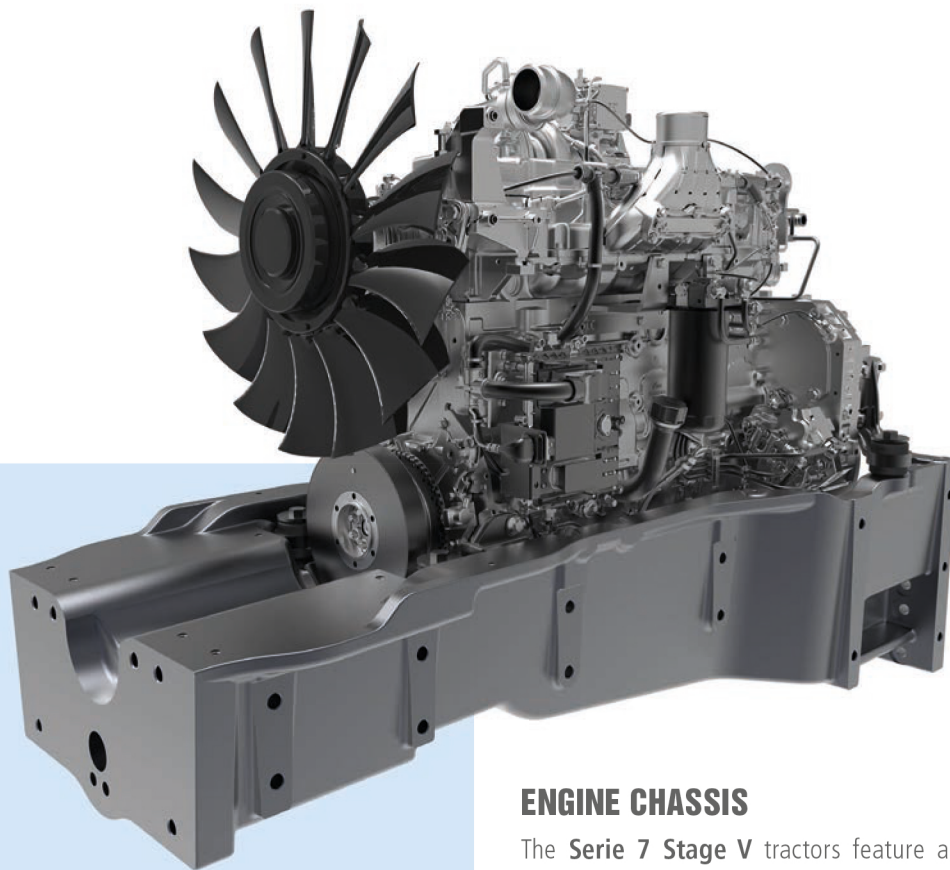
HIGHLIGHTS

- Powerful 240 hp with the Dual Power system
- Electronic engine management and turbo intercooler with common rail injection system
- High torque backup
- Engine compliant with Stage V emissions regulations
- Exhaust gas after-treatment with HI-eSCR2
- Engine located within a rugged chassis
- Up to 350-liter fuel tank and 52-liter AdBlue® tank with easy-fill design
- Coolers open out to allow easier and faster cleaning
- Viscotronic fan for more efficient engine cooling, improved fuel economy and quieter engine operation
- Best In Class system reduces scheduled maintenance by 50%, saving time and costs
- Engine Brake function for enhanced braking performance

An electronically-controlled viscotronic fan, standard on the entire range, improves the engine cooling efficiency, while reducing fuel consumption and noise levels.

The FPT NEF engines are equipped with the Dual Power system which electronically adjusts the engine power to respond to varying load conditions, maintaining speed and productivity. During transport applications or PTO operations, the Dual Power automatically delivers an additional 10 hp, boosting engine power up to 240 hp

The new FPT NEF fitted on the **Serie 7 Stage V** tractors are state-of-the-art engines designed to offer farmers simplicity and functionality without compromising on performance, reliability and durability.



ENGINE CHASSIS

The **Serie 7 Stage V** tractors feature a rugged chassis with shock absorbing rubber mounts which support the engine helping isolate both cab and transmission from vibrations.

*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

HI-ESCR2 SYSTEM TO CUT DOWN ON EXHAUST EMISSIONS

The HI-eSCR2 exhaust after-treatment system helps meet the strictest particulate emissions requirements. This technology integrates the SCR catalyst with a maintenance-free filtering device, thereby doing away with the EGR system. This improves engine performance while reducing operating costs.

RADIATOR MAINTENANCE

The tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance. The coolers located in front of the radiator open out from a single latch making for easy cleaning in dusty conditions.

BEST IN CLASS SYSTEM

The engine of the **Serie 7 Stage V** tractor is equipped with the Best in Class system (BIC). The BIC system relies on an innovative filter use strategy which doubles the interval between maintenance operations, from 500 to 1000 working hours, helping save time and costs.

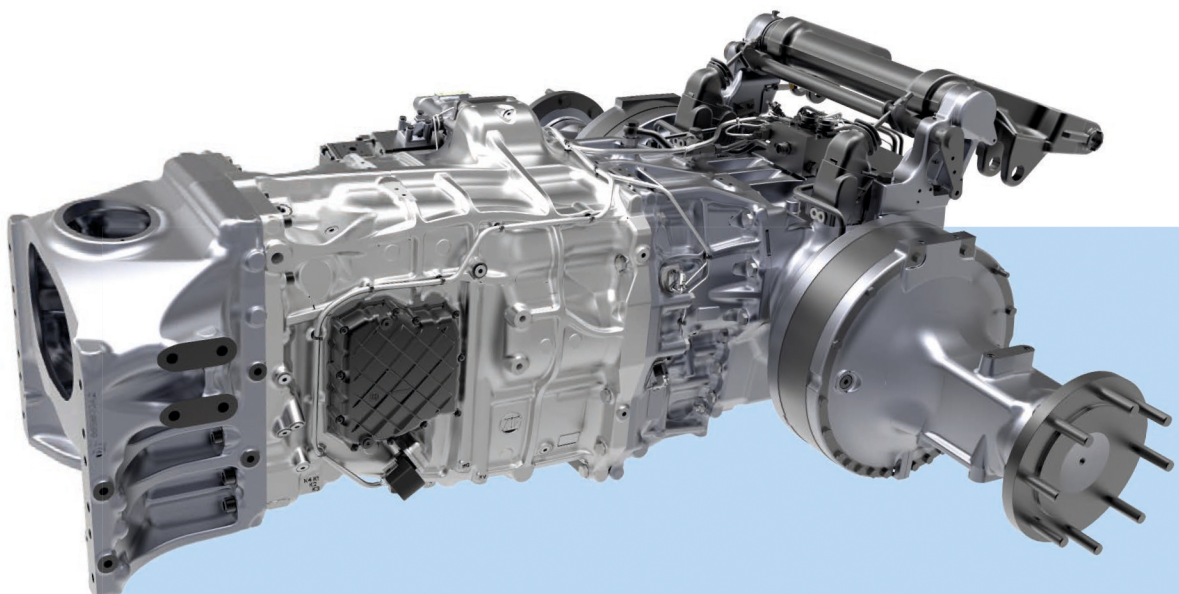
ENGINE BRAKE FUNCTION

A motorized valve placed on the turbocharger enables the operator to improve the tractor braking performance by activating the engine brake through a foot lever conveniently located between the pedal clusters.



V-SHIFT TRANSMISSION FOR MORE CONTINUOUS POWER

The **Serie 7 Stage V** tractor range has been designed to provide modern farmers with pulling power and versatility. The V-Shift continuously variable transmission gives the **Stage V Serie 7** all the flexibility required to handle all kinds of tasks and field conditions. Combining a powerful engine and a V-Shift four-stage continuously variable transmission with four planetary gear trains and oil-cooled clutches, the **Serie 7 Stage V** delivers responsive performance making work easier and safer. The V-Shift transmission offers four speed ranges with advance speeds from 40 m/h to 50 km/h ensuring maximum productivity in any application.



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
- 40 km/h or 50 km/h top speed in ECO mode at reduced engine rpm, minimum speed 40 m/h

V-SHIFT CONTINUOUSLY VARIABLE TRANSMISSION

The V-Shift transmission with its four-stage technology sets a new benchmark in continuously variable transmissions. Using a four-stage instead of the usual two-stage CVT transmission offers real benefits to farmers and agricultural contractors looking for maximum productivity in any application.

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 with 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 with the hand throttle. The electronic unit controls the transmission ratio in order to achieve the required speed. In this mode, priority is given to the PTO speed.

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

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 go back!

Charles

AXLE



MORE TRACTIVE POWER TO INCREASE PRODUCTIVITY

With the engine located within a chassis and its rugged front axle with independent wheels, the **Serie 7 Stage V** is the tractor that transfers more power to the ground in its class.

The **Serie 7 Stage V** is designed to provide outstanding traction and excellent manoeuvrability. This makes for better grip and greater stability, resulting in improved driving safety and comfort both on rough and sloping terrain. The rugged front axle is equipped with full locking differential and electro hydraulic four-wheel drive engagement for 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 Serie 7 tractors are equipped with a brake power boosting system to reduce the effort required by the operator while improving driving accuracy.

My Serie 7 is rugged and powerful. Now I have all the traction I need. It's a true champion in its class!

Paul

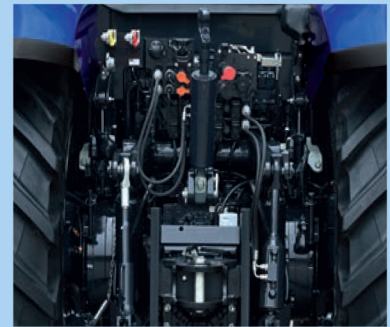
HYDRAULIC SYSTEM TAILORED TO YOUR NEEDS

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

John

The **Serie 7 Stage V** tractors feature a closed-centre hydraulic system 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 160 l/min to the hitch and remote valves, allowing for simultaneous operation of all hydraulic functions. The hydraulic system also includes a steering pump with 44 l/min flow rate.

The **Serie 7 Stage V** range has been designed to operate in a variety of conditions with heavy, power-demanding implements. The PTO offers four speeds: 540, 540Eco, 1000 and 1000Eco 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 new Serie 7 tractors are equipped with the Dual Power system, which automatically increases power available when the PTO is operational. This enables the engine to maintain a constant power as the load varies, allowing optimum use of the PTO for enhanced tractor performance and productivity. The rear hitch is equipped with lower link draft sensing for accurate implement control and provides a maximum lift capacity of 9300 kg.



REMOTE VALVES

The **Serie 7 Stage V** tractors can be fitted with up to eight double-acting remote valves, controlled electro-hydraulically via a multi-function controller. A three-way flow divider with push-pull connectors is available as an option to operate three different hydraulic functions with a single remote valve. The valves are operated via three fingertip controls and an electronic mini-joystick integrated into the multifunction armrest.

HYDRAULIC

SYSTEM



*With the
satellite-based guidance
I've reached a level of accuracy
I've never experienced before.
And this means more productivity
and less overall costs.*

Mark

PRECISION FARMING, AUTOMATIC PRODUCTIVITY

SATELLITE-BASED GUIDANCE: HIGHER ACCURACY FOR GREATER PRODUCTIVITY

The optional satellite-based guidance system is controlled via a dedicated 8.4" touch screen monitor. The system offers two major benefits:

1. The Precision Steering Management system based on satellite navigation with RTK correction provides precise steering control in row-crop operations delivering up to 2cm pass-to-pass accuracy. Such a high level of precision enhances productivity on the field resulting in higher yields and profits. In addition, the Eazysteer function allows the tractor to make a complete turn with just a single revolution of the steering wheel, avoiding multiple turns. This improves ride comfort and optimizes working time.
2. Configuration and control of the ISObus system with management of advanced features such as ISO-TC and TC-GEO.

ISOBUS SYSTEM TO SIMPLIFY AND OPTIMIZE YOUR WORK

The **Serie 7 Stage V** tractor range can be optionally equipped with an ISObus system, a communication protocol for data transfer between tractor, implement and on-board computer that enhances operating efficiency and productivity. With the ISObus system, the operator can control all ISObus-compatible implements via a simple DSM 12" touch screen monitor.

EAZYSTEER

Supplied in conjunction with the satellite guidance system, the Eazysteer function allows the tractor to make a complete turn with just a single revolution of the steering wheel. This avoids multiple turns of the steering wheel, improving ride comfort and optimising working time.



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. The 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, minimizing product wastes.
- Precision farming reduces chemical residues.
- Report and pre-setting operations become easier and can be done from home without assistance from specialized operators.

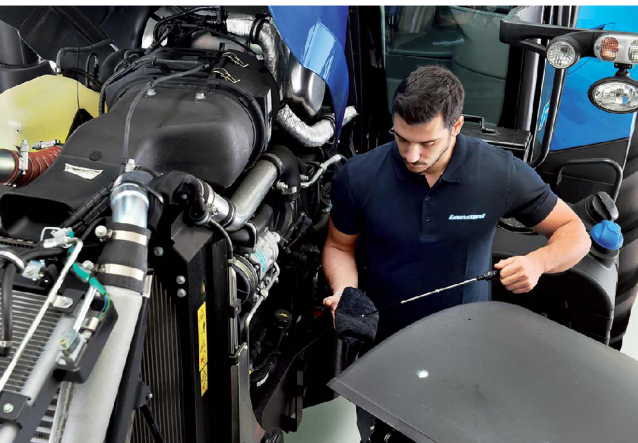




QUICK MAINTENANCE TO GET YOU BACK UP AND RUNNING

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

1. 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 cleaner is positioned in such a way as to speed up cleaning and replacement.
4. Cooling radiators, mounted in the engine front, and laterally-removable dust cover allow for simple and fast cleaning.
5. Fuel and AdBlue® tanks are conveniently placed to allow quick filling. Tank caps have different colours.
6. In-cab air cleaner is easily accessible for maintenance.
7. Oil level in the transmission can be conveniently checked through the 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.



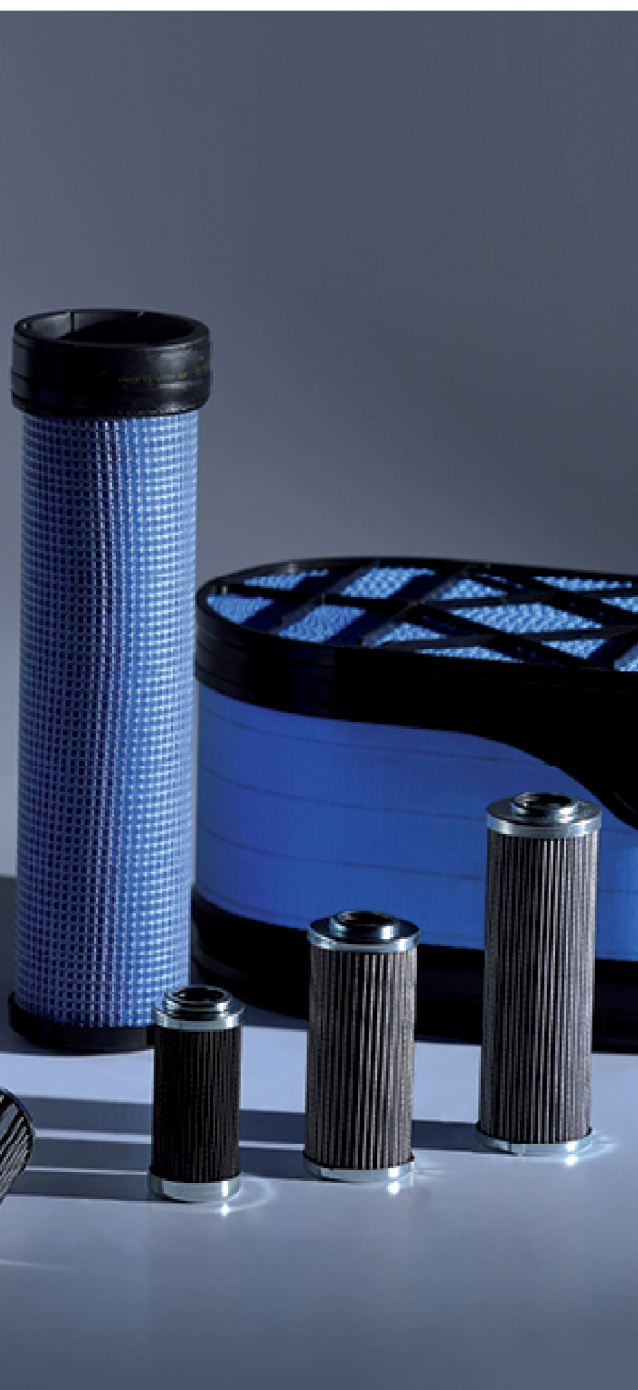
LANDINI SPARE PARTS AND SERVICE, TO GIVE YOU THE BEST ALWAYS

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 Serie 7 tractors.

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.



7-240 V-SHIFT

ENGINE PERFORMANCE

Rated power (97/68 CE - ISO TR 14396)	hp/kW	219 / 161
Rated power with Dual Power (97/68 CE - ISO TR 14396)	hp/kW	219 / 161
Max power (97/68 CE - ISO TR 14396)	hp/kW	230 / 169
Max power with Dual Power (97/68 CE - ISO TR 14396)	hp/kW	240 / 176
Rated engine speed	rpm	2200
Engine speed - max power	rpm	1900
Max torque without Dual Power, (with Dual Power) - Engine speed at 1400 rpm	Nm	966 (983)
Torque backup without Dual Power, (with Dual Power)		36% (41%)
Manufacturer - Brand		FPT
Engine type - Installation type		NEF 67 - engine iso-mounted on cast iron chassis
Exhaust gas after-treatment Stage V / Tier 4 Final		HI-eSCR2
No. of cylinders / Displacement / No. of valves		6 / 6.7 l / 24
Air filter system		air filter with pre-cleaning stage and dust ejector
Air inlet system		turbo with intercooler
Fuel injection system		electronically-controlled high-pressure common rail injection system
Maintenance		BIC Best in Class - 1000 hours maintenance interval
Cooling system		matrix radiator pack - coolers open out from single latch
Viscotronic fan		●

CAPACITIES

Fuel tank	litres	350
AdBlue/DEF tank	litres	52
Coolant	litres	29

TRANSMISSION

Type		V-Shift continuously variable transmission
No. of stages		4
Minimum speed	m/h - rpm	40 - 2200
40 km/h - engine speed	rpm	● - 1550
50 km/h - engine speed	rpm	○ - 1690
Transmission control		V Easy Pilot on multi-function armrest
Reverse power shuttle		electro-hydraulic with modulated engagement

REAR PTO

Type		electro-hydraulic multidisc with modulated engagement
Speeds	rpm	540 / 540 E / 1000 / 1000 E
PTO rated speeds	rpm	2005 / 1608 / 1995 / 1600
Rotation - spline shaft type		clockwise (viewed from tractor rear) ● 1" 3/8" 6-spline shaft / ○ 1" 3/8" 21-spline shaft

FRONT AND REAR AXLES

Front rigid axle		●
Front suspended axle		○ - IFS with independent front wheels suspension system
Traction type		electro-hydraulic MFWD
Front differential lock		100% electro-hydraulic
Rear differential lock		100% electro-hydraulic
Rear axle - flanged type		●
Rear axle - bar axle type		○

BRAKING SYSTEM

Front braking system		auto MFWD engagement on braking
Rear braking system		5 oil-cooled discs
Trailer braking system		MR-compliant pneumatic system with 2 or 2+1 lines, with or without single-line hydraulic system, MR-compliant 2-line hydraulic system (40 km/h only)
Engine brake		●

HYDRAULIC SYSTEM

Steering pump - flow rate		● - 44 l/min
Hydraulic piston pump with CCLS (Closed Center Load Sensing) system - high-flow rate		○ - 160 l/min
Power Beyond adaptor and free flow return		○
Free flow return		●

7-240 V-SHIFT

REAR 3-POINT HITCH		
Electronically-controlled rear hitch		lower link draft control, position control, mixed control, float position
Category - coupler type		III - quick-couplers
Max lifting capacity at hitch couplers	kg	9300
FRONT 3-POINT HITCH		
Electronically-controlled front hitch		○ - with position control
Category - coupler type		III N - quick-couplers
Max lifting capacity at 610 mm	kg	3500
FRONT PTO		
Type		○ - electro-hydraulic multidisc with modulated engagement
Speeds	rpm	1000
PTO rated speeds	rpm	1920
Rotation - spline shaft type		○ - clockwise (viewed from tractor front) - ● 1' 3/8" shaft with 6 splines
Rotation - spline shaft type (NAO version)		○ - counter-clockwise (viewed from tractor front) - ● 1' 3/8" shaft with 21 splines
CAB		
Lounge Cab - 4-post cab with Landini mechanical suspension		●
Landini semi-active suspension		○ - electronically-controlled -hydraulic semi-active cab suspension system
In-cab noise level	dB(A)	70
Automatic climate control		●
Deluxe air-suspension seat		● - low-frequency air suspension, swivel and height adjustments, automatic 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		●
V Easy Pilot on multi-function armrest		●
DSM Data Screen Manager		● - 12" touchscreen monitor
Radio ready		● - with 4 loudspeakers
Radio system		○ - radio DAB mp3, with 4 loud speakers, bluetooth, aux-in adapter and integrated microphone
Halogen work lights		● 18
Beacon Lights		left and right side
ADDITIONAL EQUIPMENT		
Front ISOBus		○
Rear ISOBus		○
PSM Precision Steering Management & EazySteer - adaptor		○
PSM Precision Steering Management & EazySteer - adaptor		○
WEIGHT AND DIMENSIONS		
Wheelbase	mm	2820
Max height over cab without beacon lights (with PSM satellite steering system)	mm	3044 (3159) - measured with tires 540/65R30 - 650/65R42
Max height from rear axle centre to cab roof (with PSM satellite steering system)	mm	2180 (2295)
Max length with front weights - Max track width	mm	5360 - 2550 measured with tires 600/60R30 - 710/60R42
Turning radius	mm	5400, measured with tires 540/65R30 - 650/65R42
Shipping weight - measured with average specifications	kg	8300
Gross vehicle weight	kg	13000
Max front and rear tire sizes - (Index Radius- IR)	mm	Various Options
Front weight support	mm	●
Weights - No. x weight	kg	16 x 45
Front hitch weight	kg	○ - 800 or 1400
Rear axle weights	kg	○ - 170 or 340 or 510

Key: ● standard ○ option

Landini®

Passion for Innovation.

