

EXPLR

[STAGE V]

EXPLORER
95 | 100 | 105
115 | 125



[CODENAME]

EXPLORER

[DISTINGUISHING FEATURES]

EVOLUTION OF A MASTERPIECE



SAME

EXPLR
[STAGE V]



[HISTORY]

EVOLUTION OF A MASTERPIECE

SAME Explorer. Another approach to agriculture since 1983.

HISTORY



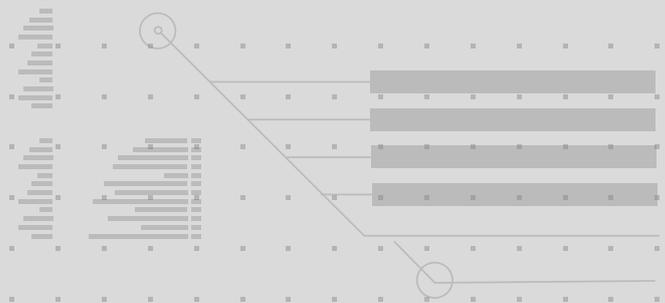
Explorer was the precursor to a new conception of the tractor, because solutions that were complete design innovations, above all on the medium-low power range, were adopted as far back as 1983. To meet the most demanding performance and comfort requirements in the segment, the blank slate of the Explorer was the first tractor to incorporate solutions that up until that point had never been adopted on machines of that size. All of the tractor's unit were practically reinvented, with a view to future developments and new agricultural methods, and the consequent need for mechanisation. Since then, some of these technical solutions have now become commonplace, but the design philosophy remains unaltered, and

the continuous updates and implementations introduced have meant that Explorer has been able to remain a constant benchmark in terms of innovation and functionality.

Innovation, versatility, high tech and excellent quality: these characteristics are common to the whole Explorer range, a benchmark in its category for nearly 40 years. Among multi-utility machines, Explorer's have always adopted completely innovative tech solutions to ensure the utmost versatility in all conditions, from the most traditional agriculture to the most innovative agricultural methodologies as well as council work and periodic maintenance of public green spaces.



EXPLR
[STAGE V]



[MISSION]

THE BEST MULTI-UTILITY, FROM THE BEGINNING

MISSION

The Explorer Stage V range has specific technical characteristics and a breadth of range that means it's always the ideal workmate, with its extreme versatility, together with the highest levels of comfort and reliability.

The offering includes 5 different models, two versions and countless options, allowing everyone access to a tractor that's perfect for their own specific needs, in all operating conditions.

The new Explorer range represents the pinnacle of versatility and multifunctionality: there are many configurations and options available for each version, for the very best response to the increasingly demanding requirements of the market. The Explorer was developed with clear targets of multifunctionality and efficiency, maximising performance and reliability, optimising operator comfort and introducing ever higher safety standards.

The electronics on the Explorer have also been designed to make working simpler and more productive: the state-of-the-art technical features adopted aim decisively towards ensuring the greatest simplicity and intuitive use.

The perfect interaction of the FARMotion engine with the transmission, two units specially designed and produced in house for this power range, allow Explorers to deliver high performance, great economy, easy maintenance and the best handling wherever they're at work.

TRANSPORT

- 40 Km/h at economy engine speed
- HML transmission with Automatic Powershift (APS)
- 4 wheel braking system

ROW CROP

- Row crop tyre combination
- Adjustable rims for variable tracks
- High ground clearance

GRASSLAND

- Front lift and PTO
- Hydraulic system up to 90 l/min and 8 rear outlets
- 4 PTO speeds with electrohydraulic PTO engagement

OPEN FIELD

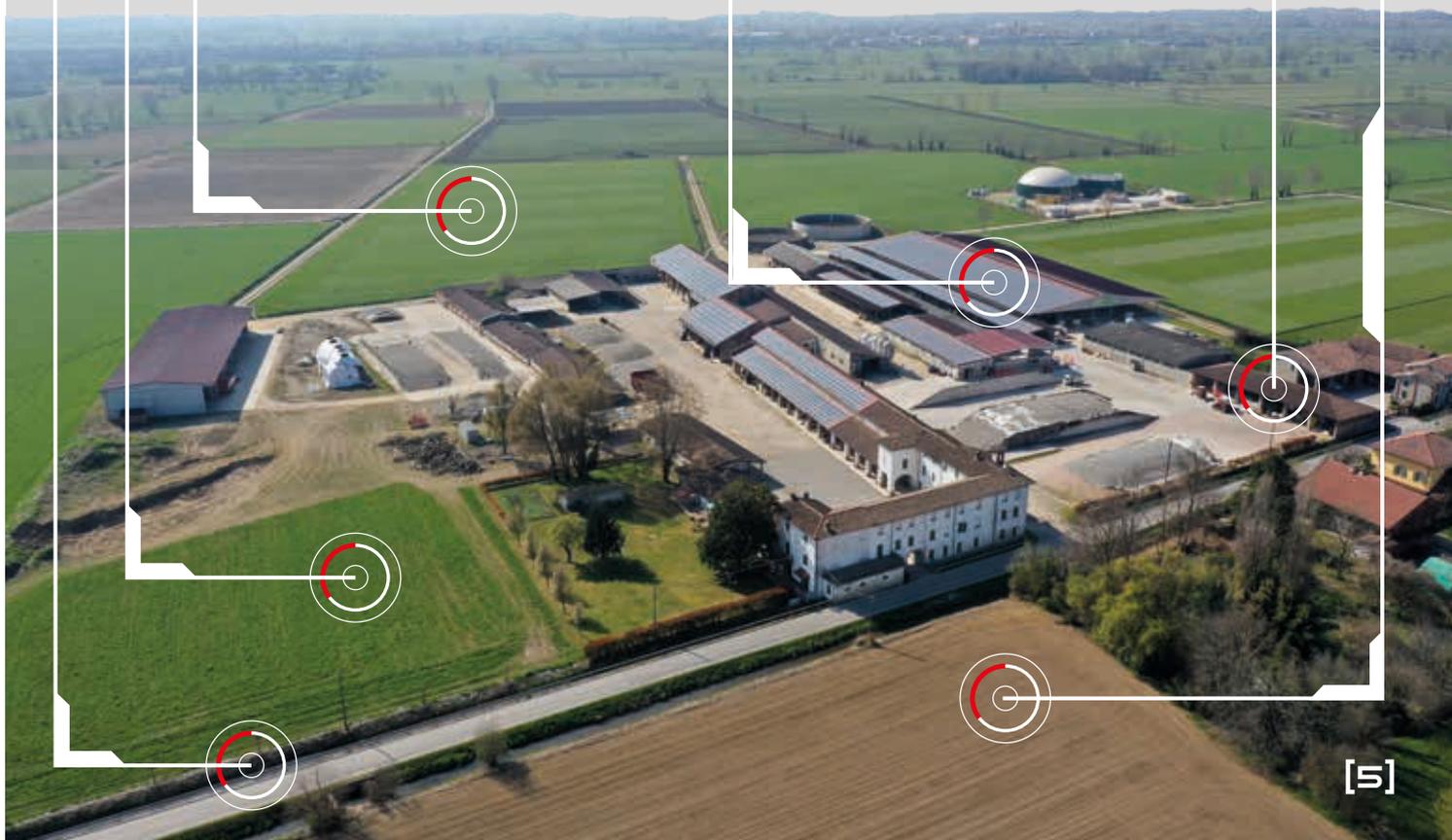
- Electronic rear lift and 4 PTO speeds
- HML transmission with Automatic Powershift (APS)
- Underdrive and creeper ranges

LIVESTOCK

- All round visibility (4 post cab)
- Stop&Go and SDD system
- 4 PTO speeds and 2 engine memories speed

FRONT LOADER

- High visibility roof with FOPS protection
- Hydraulic system up to 90 l/min
- Powershuttle, Stop&Go and SDD system





ENGINE BORN FOR AGRICULTURE.



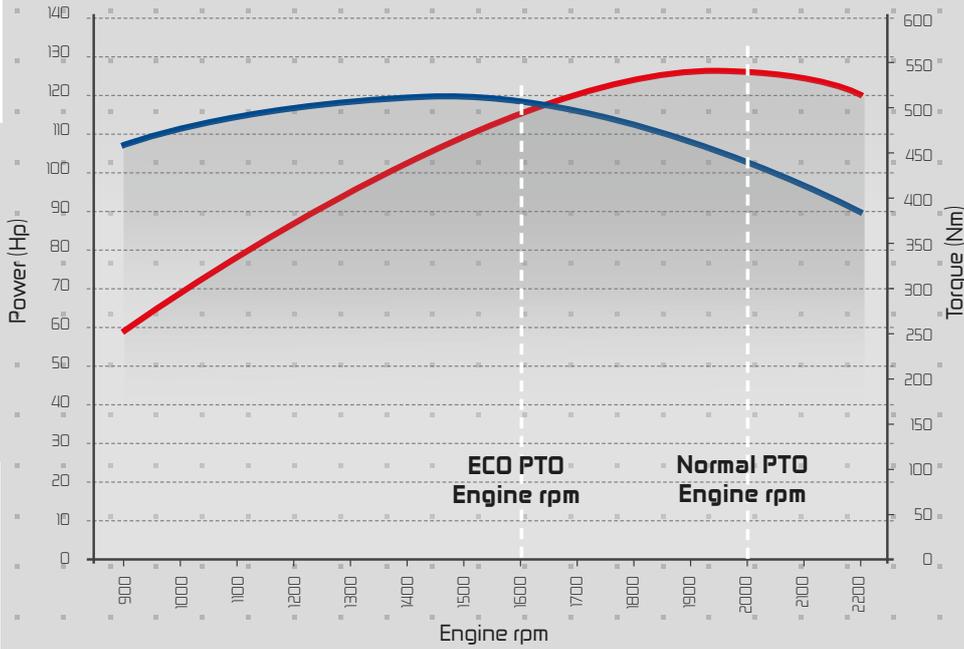
The new Explorer range is equipped with the modern FARMotion 35 or FARMotion 45 engines, which are made with the 'best tech' solutions available for diesel engines in mind and conceived to satisfy all requirements in the agricultural sector.

The new FARMotion engine family, with its 3- and 4-cylinder versions, is now compliant with Stage V emission limits. The engines are characterised by extremely compact dimensions on the outside, to guarantee excellent visibility from the driver's seat and a large steering angle. An advanced combustion chamber, Common Rail injection system of up to 2000 bar with completely electronic control, viscostatic fan and PowerCore air filter constitute an impressive package of tech solutions that allow Explorers to optimise consumption and reduce noise, with knock-on benefits for productivity and comfort. The modular heat units (cylinders and heads) are characterised by great reliability and long life time. At the same time, the greater cylinder sleeve thickness has allowed vibration to be reduced and resistance to cavitation to be increased, but also a reduction in wear from mechanical and thermal stress.



95:	95 CV / 70 kW
100:	102 CV / 75 kW
105:	106 CV / 78 kW
115:	116 CV / 85 kW
125:	126 CV / 93 kW

EXPLORER 125



ENGINE

Explorer 125 has a maximum power of 126 HP and a maximum torque of 517 Nm. Engine rpm adopted to use the ECO PTO speeds (1600 rpm) develops a torque of 505 Nm and power of 115 HP, ensuring high performance and low fuel consumption.





TRANSMISSION AND PTO

ALL THE MODULARITY YOU WANT.

- 

 The new gearbox and PTO have been lent further strength, to ensure the utmost reliability also with the new, more powerful engines.

TRANSMISSION

Based on a modular concept, to ensure the perfect solution for all requirements, all transmission versions of the new Explorer are based on a 5-speed gearbox, combinable with a mechanical reverse or a PowerShuttle (supplied together with Stop&Go function and adjustable response) and 2 or 3 Powershift steps - both with 40 kph @ economic engine rpm. All transmission versions can also feature creeper and supercreeper range implementations, and so double both the number of forward and reverse speeds, allowing you to move at just 300 m/h with the engine at top speed. The Automatic Powershift (APS) function is now

available for the 3 Powershift steps (HML) transmission. This automatically selects the best Powershift speed for a given operating condition.

The entire Explorer family is offered with the 4 wheel braking system; Explorer 115 and 125 can also be equipped with the Hydraulic Parking Brake (HPB), which offers more safety, performance and comfort compared to a traditional parking brake (increased braking capacity up to 250%, reducing power losses up to 16%, with ergonomic actuation and possibility of modulation for emergency braking.

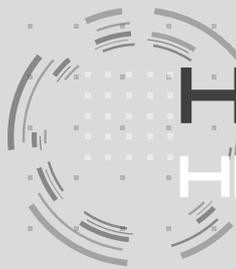


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The PTO is driven by an electro-hydraulically controlled independent oil-immersed multi-disc wet clutch unit, for smooth engagement and release; it is activated simply using a dedicated control, with repetition on an external button positioned on the rear mudguard. The new Explorer is perfect in all conditions, thanks to the operating modes available in various combinations (up to 4 PTO speeds); the interchangeable PTO output shaft can be replaced quickly for maximum versatility. To allow two mechanical drives at the same time using cardan shafts, the ground speed PTO features an independent output shaft. A front PTO, with 1000 rpm, can be factory-installed on request. The PTO AUTO function (available in combination with the electronically controlled rear lift) engages and releases the PTO automatically, depending on the position of the rear lift.





HYDRAULICS AND LIFTS

HIGH EFFICIENCY.



A mid-range tractor has to be versatile and able to carry out a wide range of work. That's why the new Explorer models offer two different hydraulic system configurations, with high-capacity rear lifts, controlled mechanically or electronically.

The Explorer range features a high-performance hydraulic system, which can adapt perfectly to the requirements of a wide range of applications. Two different hydraulic layouts are available, to meet every requirement in terms of oil flow rate and number of distributors, for the most effective handling of all modern equipment. In detail, Explorers can be fitted with a single pump (55 l/min) or a double pump system which offer the opportunity to increase "on demand" the oil flow at 90 l/min. In fact, with a dedicated button positioned in cab, it is possible to activate the flow of the secondary pump to reach the maximum oil flow capacity of 90 l/min only if really needed, without additional power losses.

In addition, an independent steering pump with a capacity of up to 40 l/min, making soft every manoeuvre even at low engine speed or with loaded front axle (front loader application, for example).



To complete the hydraulic offer 4 or 6 rear couplers with mechanical controls, flow regulator and hydraulic oil, free return are available. An additional two-way on/off distributor with flow rate of 25 l/min and electro-hydraulic control can also be included, allowing an increase to 8 rear hydraulic couplers.

As standard equipment a mechanically controlled rear lift is installed on the new Explorer range, but an alternative electronically controlled version can also be fitted. This allows some convenient extra functions, such as maximum equipment height limitation, lowering speed regulation, vibration damping during transport and automatic PTO management. The rear lift has a maximum lifting capacity that varies from 4525 kg to 5410 kg according to the models. A front lift with maximum capacity of 2100 kg can be factory-installed as an additional option.



LIFTS





EXPLORER & FRONT LOADER

A PERFECT COMBINATION.



Increase Explorer versatility even more.

From factory it is possible to choose 2 different setups to install a front loader: "Light kit" or "Ready kit". Both are based on a special frame that supports the front loader, but a joystick, hydraulic and electric connection are included in the Ready kit. It is also available a dedicated rear ballast to ensure correct weight distribution on the axles, so as to protect the front axle from high mechanical stress.

The front loaders are available for the entire Explorer range, bringing together all important features such as high lift and loading capacity, outstanding stability, and a modern innovative loader design concept. The practical functionality and the smart technical solutions make the loader easy to operate.

Thanks to unique features of Explorer, front loader applications have never been easier, faster and more comfortable.

FRONT LOADER





High Visibility roof FOPS compliant

High visibility roof offers an outstanding visibility on the front loader even when it reach the maximum lifting height. The FOPS-compliant cab roof ensures also total safety even in the event of accidentally dropping the load carried by the front loader.

Stop&Go

The Stop&Go system amplifies the capabilities of the PowerShuttle to offer a superior level of manoeuvrability to the operator, especially when the tractor needs to be stopped at an irregular rhythm. For example, working with the front loader, coupling the implements or starting up on a slope. The driver merely has to press the brake pedal only to stop the tractor at any time, and the system automatically puts the inversion manoeuvre on hold. When the brake pedals are released, however, the Stop&Go system re-enables the PowerShuttle, guaranteeing a progressive and modulated engagement of the hydraulic clutch, resulting in a gradual and progressive movement of the tractor.

Steering

Thanks to an independent steering pump of 40 l/min the steering is comfortable, but it can be improved even more with the SDD (Steering Double Displacement) system that halves the number of steering wheel turns when manoeuvring and therefore allows for quicker work.

PowerShuttle with adjustable response

The hydraulic PowerShuttle control lever includes a practical dial for setting the direction inversion response. The "smart wheel" dial lets the driver choose from 5 different settings for direction inversion manoeuvres. In front loader application, for example, setting a "SOFT" response eliminates the risk of sudden jolts during direction inversion, for safer operation in all conditions.

90 l/min hydraulic system

Front loader is an application that usually require a lot of hydraulic power. For this reason the 90 l/min "on demand" system represent the best solution for this use, allowing you to activate the max flow rate of 90 l/min during loader application.



DRIVING POSITION

TOPVISION: A LUXURIOUS, COMFORTABLE CAB WITH A MODERN DESIGN AND JUST 4 PILLARS.

- ■ An ergonomic, comfortable cab is essential to guarantee work with more peace of mind and less effort.

The modern design, based on just 4 pillars, ensures excellent external visibility from the driver's seat, both during the day and at night, thanks to the option of installing up to 12 powerful LED work lights on the roof.

To reduce the vibrations perceived by the driver by 40% compared to conventional cabins, the innovative TopVision cab is equipped with a Hydro Silent-Block suspension as standard. The (tilt and telescopic) steering column and suspended seat (with various adjustable settings) mean that all drivers can always find the perfect driving position. The low noise level, high-quality materials and extremely ergonomic control position layout also make their contribution to the leading position of this cab in its segment.

- The cab can also be equipped with a convenient bracket, specially designed for supporting an external monitor or other additional devices.
- Other equipment includes:
 - the passenger seat with seat belt
 - DAB radio and many electrical sockets (included 2 USB)
 - smartphone and cup holders.

The new TopVision cab is also available with a high visibility cab roof equipped with roll-up sun blind, and always features 8 directable air vents (plus another two built into the front pillar covers), two vents dedicated to quick defrosting and two speakers.





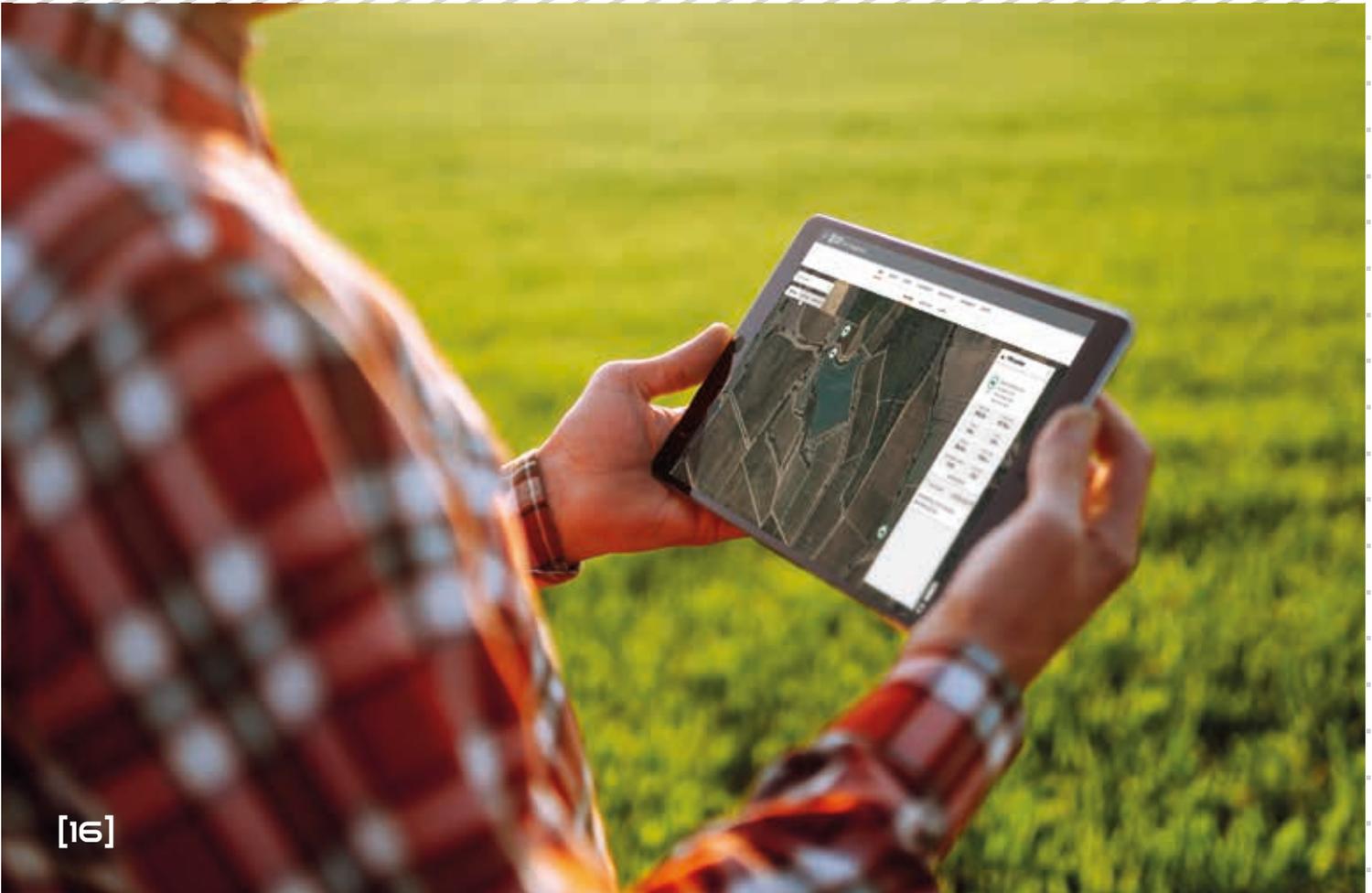


SDF SMART FARMING SOLUTIONS

MANAGING DATA IS THE FUTURE OF AGRICULTURE.



To allow customers to insight data from their Explorer in real-time, independent from time and position the new Explorer can be equipped with a CTM module. The CTM (Communication Telematic Module) permits access to a new digital world that simplifies tracing and collecting data, to facilitate the following decision-making stages. It transfers CAN-BUS circuit data from the machine to the new SDF Fleet Management application. In the Fleet Management application, diagnostics as well as the machine's main operating parameters can be monitored: performance data of the machines at work, providing precise information on their position, diesel consumption, average speed and working hours as well as any error and/or alarm codes.



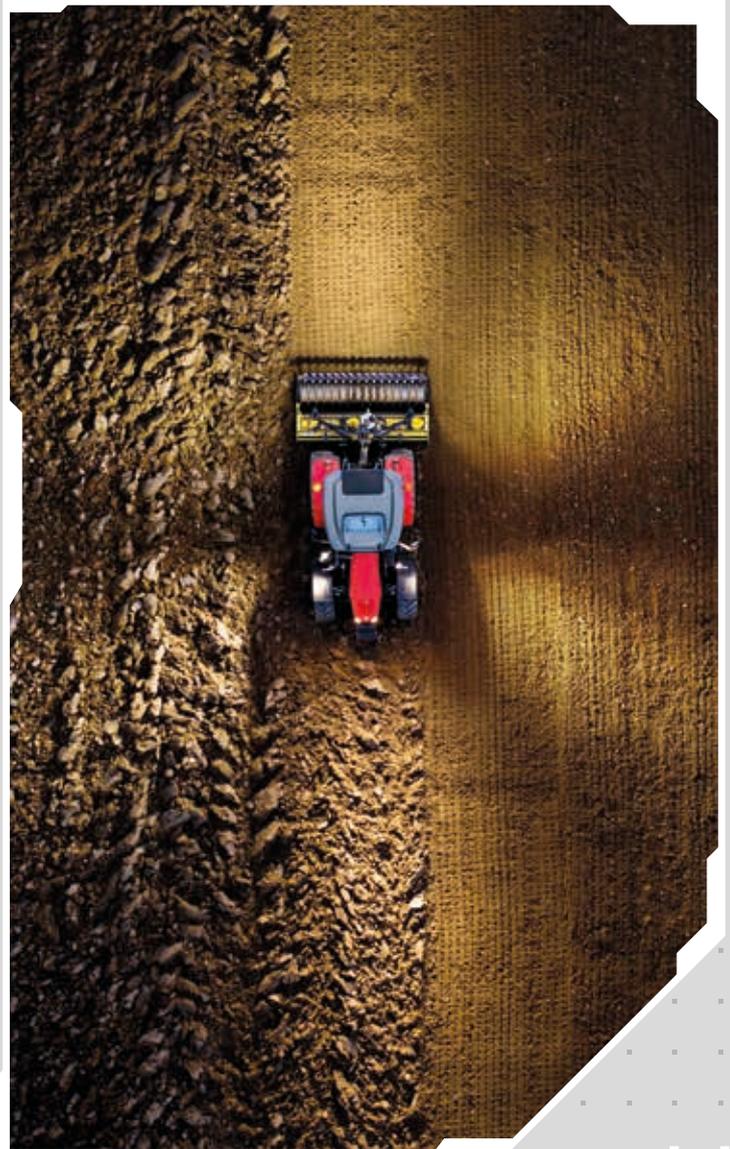
OPTIONS

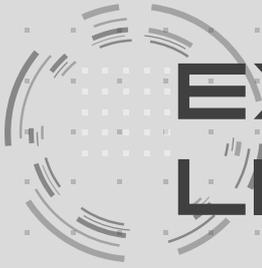
EVERYTHING YOU EVER WANTED.

Great modularity also in terms of options means that the Explorer can be personalised to perfectly meet everyone's needs. You need only to choose.

The availability of a wide range of accessories allows anyone to tailor the Explorer perfectly to every kind of work.

Up to 14 LED working lights, fixed or adjustable "waffle" rims, row crop or municipal tyres availability, front steering mudguards, hydraulic upper link, different combination of trailer brakes and rear hitch and more besides. Optionals allow for maximum tractor customisation, in order to fully meet all requirements.





EXPLORER LIMITED EDITION

A LIMITED EDITION CREATED
IN CELEBRATION OF AN
INCREDIBLY VERSATILE,
MULTI-ROLE TRACTOR.



A premium package boasting unique design features, such as the exclusive grey and red colour scheme of the body with Italian flag decals, 12 LED working lights on the cab roof and practical in-cab accessories consisting of a smartphone holder, a cup holder and a DAB radio system with Bluetooth, USB and MP3 player functions.

LIMITED EDITION



EXPLORER

		95	100	105	115	125
ENGINE						
Type		FARMat10n 45	FARMat10n 35	FARMat10n 45		
Emission level		Stage V				
Aspiration		Turbo Intercooler				
Injection @ pressure	Type	Common Rail @ 2.000 bar				
Cylinders/Displacement	n°/cc	4 / 3.849	3 / 2.887	4 / 3.849		
Max. power @ 2.000 rpm	kW / Hp	70 / 95	75 / 102	78 / 106	85 / 116	93 / 126
Rated power @ 2.200 rpm	kW/HP	66,4 / 90	71,1 / 97	74 / 101	80,6 / 110	88,2 / 120
Max. torque @ 1.400 rpm	Nm	389	417	433	472	517
Torque rise	%	35	35	35	35	35
Fuel tank / AdBlue	l	135 / 8			145 / 10	
TRANSMISSION						
Mechanical Shuttle	Type	▲	▲	▲	▲	▲
PowerShuttle with Stop&Go	n°	○	○	○	○	○
Max. Speed	n°	40 Km/h at economy engine speed				
MECHANICAL TRANSMISSION						
N° of speed	n°	10 + 10 or 20 + 20 with creepr and underdrive				
HI-LO TRANSMISSION						
N° of speed	n°	20 + 20 or 40 + 40 with creepr and underdrive				
3 POWERSHIFT (HML) TRANSMISSION						
N° of speed	n°	30 + 30 or 60 + 60 with creepr and underdrive				
PTO						
Electrohydraulic engagement		▲	▲	▲	▲	▲
PTO speeds		540/540E/1000/1000E	540/540E/1000/1000E	540/540E/1000/1000E	540/540E/1000/1000E	540/540E/1000/1000E
Groundspeed PTO		○	○	○	○	○
Front PTO 1000		○	○	○	○	○
LIFT						
Mechanical rear lift		▲	▲	▲	▲	▲
Electronic rear lift		○	○	○	○	○
Rear lifting capacity (STD / OPT)	Kg	3.600 / 4.525	3.600 / 4.525	3.600 / 4.525	3.600 / 4.855	4.855 / 5.410
Rear lift link category	Cat.	II	II	II	II	II
Front lift (2.100 Kg)		○	○	○	○	○
HYDRAULICS						
Single pump hydraulic system (STD)	l/min	55	55	55	55	55
Double pump hydraulic system with electronic "On Demand" (OPT)	l/min	90	90	90	90	90
Rear spool valves	n°	2 / 3 / 4	2 / 3 / 4	2 / 3 / 4	2 / 3 / 4	2 / 3 / 4
BRAKES						
4 wheel braking		▲	▲	▲	▲	▲
Mechanical parking brake		▲	▲	▲	▲	▲
Hydraulic Parking Brake (HPB)		-	-	-	○	○
Hydraulic trailer brake		○	○	○	○	○
Pneumatic trailer brake		○	○	○	○	○
FRONT AXLE						
Steering angle	°	50	50	50	55	55
Electrohydraulic engagement for 4WD and Diff.Lock		▲	▲	▲	▲	▲
Independent steering pump		▲	▲	▲	▲	▲
Steering Double Displacement (SDD)		○	○	○	○	○
CAB						
High visibility roof		○	○	○	○	○
Manual A/C		○	○	○	○	○
Activated carbon air filter		○	○	○	○	○
Pneumatic suspended seat		○	○	○	○	○
Passenger seat		○	○	○	○	○
Openable front windows		○	○	○	○	○
LED working lights		○	○	○	○	○
DAB radio with Bluetooth and USB		○	○	○	○	○
Bracket for external monitor / device		○	○	○	○	○
External controls on rear mudguards (rear lift and PTO)		○	○	○	○	○
SPECIAL TYRES FROM FACTORY (besides standard Agricultural sizes)						
Narrow tyres	Size	230/95 R32" front 270/95 R44" rear			270/95 R32" front 270/95 R46" rear	
Rear track with narrow tyres (min.-max.)		1.498 - 1.898				1.496 - 2.008
Municipal tyres	Size	-			400/80 R24" front 480/80 R34" rear	
DIMENSION						
Wheelbase	mm	2.400	2.350	2.400		
Max. length	mm	4.407	4.357	4.407	4.436	
Centre rear axle - cab	mm	1.932			1.967	
Width	mm	2.060 (with 420/85 R34")			2.209 (with 480/70 R34")	
Weight	Kg	3.950	3.800	3.950	4.250	4.350
Total admissible load	Kg	6.500			7.000	7.500

- ▲ STD
- OPT
- Not available

EXPLR

[STAGE V]

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95 | 100 | 105
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The technical data and images contained herein are indicative only. SAME reserves the right to modify its products at any time without prior notice.
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To find out more, visit same-tractors.com or talk to your dealer.



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