



[CODENAME]

EXPLORER TB

■ STAGE V

105 | 115



SAME



[MISSION]

HIGH PERFORMANCE, LOW HEIGHT.

The tractors of the new SAME Explorer TB Stage V family retain the hallmark sturdiness, practicality and extreme multi-role capability as the previous versions.

These tractors are compact than before which, combined with their outstanding stability made possible by a low centre of gravity, makes them perfect even for tasks on steep gradients. Conceived specifically for unrivalled simplicity but with no compromises in terms of performance, these models are the ideal choice for the farmer who demands nothing less than the class-beating productivity of a SAME tractor. Explorer TB tractors cater in full to the needs of a widely varied user base, as they are perfectly at home in olive

groves, low density fruit orchards and tunnel greenhouses, where their sturdy construction and optimal weight distribution deliver unbeatable performance.

The brake system with multiple wet discs on all four wheels, combined with the possibility of installing an optional dedicated hydraulic trailer braking line (which already meets the requirements of the latest European safety directives), makes the new Explorer TB range safer than ever, even for transport tasks.



ENGINE

NEW FARMOTION 45 ENGINES: MORE PERFORMANCE THAN EVER AND EVEN LOWER MAINTENANCE COSTS



Explorer TB tractors are powered by the state of the art FARMotion 45, Stage V compliant 4 cylinder Turbo-intercooled engines.

The latest generation of the FARMotion family takes performance to new heights, with even more torque - especially at lower engine speeds - and power. Maintenance intervals have been extended to 600 hours reducing the maintenance costs and downtimes. The FARMotion 45 equipping the Explorer 105 TB produces 106 HP, while the variant powering the 115 TB delivering a

mighty 116 HP. Developed specifically for agricultural applications, these engines are extraordinarily efficient and reliable, with torque and power curves optimised for the typical needs of farming tasks. Outstanding flexibility, low specific fuel consumption in all working conditions and generous torque at low engine speed highlight the already superb qualities of these tractors. Compliance with Stage V emissions regulations is attained with an aftertreatment suite consisting of an external, cooled EGR system, a DOC catalytic converter and an SCR catalyst with integrated DPF which delivers extraordinary emissions abatement performance in a package with the same overall dimensions as the previous generation system, to ensure the same superb agility and visibility as before. All engine variants feature fully electronic engine management as standard, with dedicated sensors monitoring operating parameters to ensure that exactly the right quantity of fuel is sent to the injectors and optimise consumption in all load conditions. The engine management system also lets the operator set, save and recall an engine speed to simplify headland turn manoeuvres.



105:	106 HP / 78 kW
115:	116 HP / 85 kW



TRANSMISSION AND PTO

TOTAL CONFIGURABILITY.



With an optimal choice of configurations on offer, the tractors of the new SAME Explorer TB can be equipped with the perfect transmission for every possible need.

The basic configuration, with 5 speeds and two ranges with synchronised mechanical reverse shuttle (10+10 speeds), which may be complemented with a supercreeper module or the optional Hi-Lo module (2-steps Powershift) to offer a total of 20 speeds in both directions. Adding both of these modules increases the total number of speeds available to 40+40. An optional hydraulic reverse PowerShuttle with two multi-plate wet clutches and a dedicated electronic control unit ensures smooth direction inversion in all conditions, even under load and on gradients.

In keeping with SAME traditions, the hydraulic reverse shuttle also features the practical Stop&Go function (which is particularly helpful for tasks calling for frequent stops and starts, but also for manoeuvring on gradients) and the ComfortClutch button on the shift lever, which lets the operator change gear extremely easily without using the clutch pedal. The extensive possibilities for tyre size and transmission combinations mean that the models of the new Explorer TB family can be driven at speeds of 40 km/h at less than 2000 rpm, for greater fuel



economy even when driving between sites at high speed by road.

The choice of PTO versions offered extends the scope for configuring the tractors of the new Explorer TB family even further. All variants come with a progressively engaged electrohydraulic clutch as standard, while all standard speed modes are available (540, 540ECO, 1000 and 1000ECO) to ensure optimised fuel usage whatever the task, from lighter duty applications

(hay making and weeding) to soil preparation with power harrows or spading machines.

On top of this, an optional groundspeed PTO with independent output stub shaft allows these tractors to work effectively even with driven axle trailers. Other options include a choice of interchangeable splined stub shafts and a 1000 rpm front PTO for working with front-mounted implements.





HYDRAULICS AND LIFTS

CLASS-BEATING POWER AND STURDINESS.

- ■ Maximising the extreme versatility of the SAME Explorer TB family
- ■ is a hydraulic system with dual pumps for optimum oil flow in all situations, with a main pump delivering oil to the lifts and distributors and a secondary pump dedicated to the hydraulic steering circuit, for impeccable steering performance and precision even when working with the distributors and/or lifts at very low engine speeds.

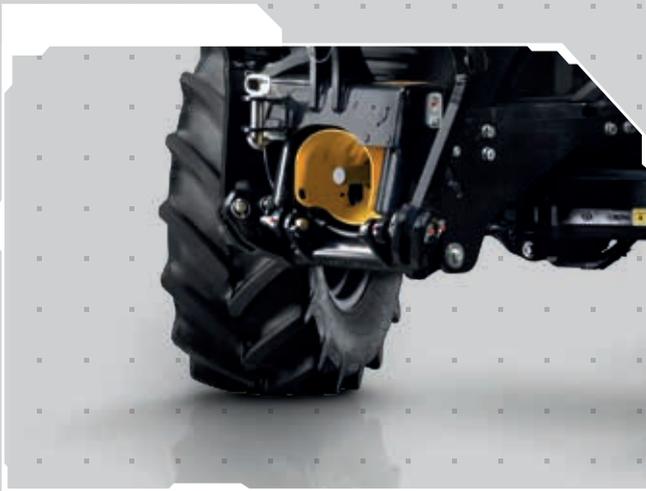
The sturdy construction of the Explorer TB family and the impressive rear lift capacity of up to 4525 Kg mean that these tractors

can work effectively even with heavier implements normally usable only with larger tractors. The three-point linkage is

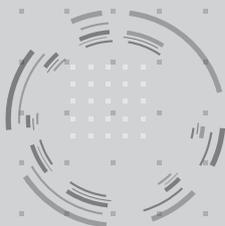


configurable with either conventional lower link ends or quick hitch couplers. A 2100 Kg front lift is also available as an option for even more multi-role capability. All models are equipped as standard with 4-ways

mechanically controlled distributors; while configurations with up to 6-couplers, complete with push-pull quick connectors and an oil drip collection tray, are available as options.



HYDRAULICS



The tractor is a 4-wheel drive tractor with a front loader and a rear PTO. It is designed for use in a variety of agricultural and industrial applications. The tractor is equipped with a 4-wheel drive system, a front loader, and a rear PTO. It is designed for use in a variety of agricultural and industrial applications.





AXLES AND BRAKES

SOLID, STURDY CONSTRUCTION
FOR WORKING SAFELY EVEN IN
THE TOUGHEST CONDITIONS.



The innate characteristics of the Explorer TB family, namely an ideal weight distribution, low centre of gravity, disc brakes on all 4 wheels and outstanding all-round visibility, offer the driver a sense of superior safety, stability and total control over the vehicle.

Developed and built specifically for this class of tractor, the sturdy heavy duty front axle is fitted with wet disc brakes to offer the power and safety of true all-wheel braking combined with superior load capacity and excellent agility. All Explorer TB models come

with electrohydraulically lockable front and rear differentials as standard for maximum traction even in the poorest grip conditions. As an option, these machines may be equipped with the SDD (Steering Double Displacement) function, selectable from a dedicated



button, which enables quicker steering action: the SDD function increases the delivery rate of the hydraulic steering pump to halve the number of steering wheel turns needed to steer from lock to lock.





DRIVING POSITION

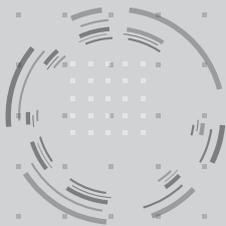
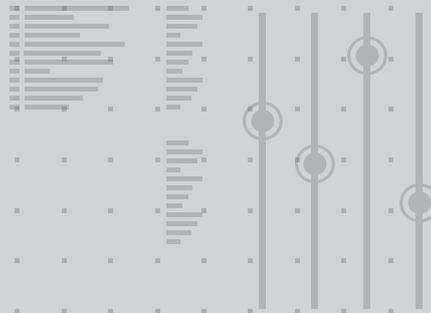
EXTRAORDINARY COMFORT AND SIMPLICITY.

- ■ All the controls on board the tractors of the new SAME Explorer TB family are intuitive to use, easy to reach and colour-coded by function for immediate, clear identification.

As standard, the PTO engagement controls, differential lock controls and hand throttle are all electronic. The generously sized driver platform is mounted on special Silent-Blocks which isolate the driver effectively from vibration produced by the powertrain. The adjustable steering wheel, hydraulically operated clutch and brake pedals and ergonomic transmission control levers, together with a driver seat with an effective mechanical suspension system, contribute to the outstanding overall driver comfort. The rear mudguard extensions and high density polycarbonate guards mounted on the front of the platform protect the operator from splashes and debris lifted by the wheels when driving at higher speeds on muddy terrains. The instrument cluster boasts a rational and visually pleasing design, with instruments

which are easily legible even in bright ambient light conditions and provide the operator with immediately clear information on the operating status and functions of the tractor. Two different variants of the sturdy rear two-pillar roll bar are available, with a partially or completely folding upper section to make the tractor easier to garage in spaces with limited headroom. Explorer TB tractors may be equipped as option with a set of LED lights, installed on the bonnet and on the platform. LED lights increase the visibility during the works performed in dark conditions. As a brand-new feature, rear mirrors can be installed in the front of the platform, increasing rear visibility, as well.





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 sistema di frenata a discesa
 automatico (AF) garantisce la
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ENGINE

- FARMotion 45 Stage V engines
- Power outputs from 106 to 116 HP
- Compact exhaust aftertreatment system integrated perfectly into the design of the engine itself allowing for a lower overall profile

AXLES

- Extraordinary agility with the SDD system
- Front axle with integrated wet disc brakes
- 100% lockable differential ensuring excellent traction

DRIVING POSITION

- Low driver platform
- Foldable 2-post ROPS available in two versions
- Electronic controls for engaging the PTO, differential locks and 4WD

HYDRAULICS

- 4 or 6 way rear distributors
- Hydraulic system with 55 l/min pump dedicated to distributors
- Rear lift with max. capacity of 4525 Kg
- Front lift and PTO available as options

TRANSMISSION AND PTO

- Mechanical reverse shuttle or PowerShuttle with Stop&Go system
- From 10+10 to 40+40 speeds with 2-stage Powershift (Hi-Lo)
- 540/540ECO/1000/1000ECO PTO speed modes and groundspeed PTO, with independent output shaft

EXPLORER TB

		105	115
ENGINE			
Model		FARMotion 45	
Emission level		Stage V	
Cylinders/Displacement	n°/cc	4/3849	
Turbocharger with charge air cooling		▲	
Visco cooling fan		▲	
Injection @ pressure	Type/bar	Common Rail @ 2,000	
Max. power (ECE R120)	kW/HP	78/106	85/116
Power at rated speed (ECE R120)	kW/HP	74/101	80.6/110
Speed at maximum power	rpm	2000	
Max. engine speed (rated)	rpm	2200	
Max. torque	Nm	433	472
Speed at maximum torque	rpm	1400	
Air filter with dust ejector		▲	
Fuel tank capacity	l	85	
AdBlue capacity	l	10	
Oil change interval	Hours	600	
TRANSMISSION			
Model		T4330	
Transmission ratio		1.317	
MECHANICAL SHUTTLE			
Gearbox	n°	5 gears x 2 or 4 ranges	
N° of speed with 2 ranges	n°	10+10	
N° of speed with 2 ranges and 2 Powershift steps	n°	20+20	
N° of speed with 4 ranges	n°	20+20	
N° of speed with 4 ranges and 2 Powershift steps	n°	40+40	
Top speed 40 km/h ECO	rpm	1990*	
POWERSHUTTLE			
Gearbox	n°	5 gears x 4 ranges	
N° of speed with 4 ranges	n°	20+20	
N° of speed with 4 ranges and 2 Powershift steps	n°	40+40	
Stop&Go		▲	
Top speed 40 km/h ECO	rpm	1990*	
HYDRAULICS AND LINKAGE			
Pump flow (STD)	l/min	55	
Separate steering pump		▲	
Spool valves control	Type	Mechanical	
Hydraulic auxiliary control valves (STD)	n°	2	
Hydraulic auxiliary control valves (OPT)	n°	3	
Rear linkage lifting capacity (STD)	Kg	3600	
Rear linkage lifting capacity (OPT)	Kg	4525	
Rear linkage lift category		II	
External operation on rear fenders		○	
Front linkage		○	
Front linkage lifting capacity	Kg	2100	
Oil change interval	Hours	1200	
PTO			
Rear PTO 540/540ECO		▲	
Rear PTO 540/540ECO/1000/1000ECO		○	
Groundspeed PTO with independent shaft		○	
Front PTO 1000		○	
AXLES AND BRAKES			
Electro-hydraulic differential lock 100%		▲	
Steering Double Displacement SDD		○	
Steering angle	degrees	50	
Mechanical parking brake		▲	
Hydraulic trailer brake with Dual Mode function		○	
ABS socket		○	
ELECTRICAL SYSTEM			
Voltage	V	12	
Standard battery	V/Ah	12/88	
Alternator	V/A	12/65	
Starter motor	V/kW	12/3.5	
External socket		▲	
DRIVING POSITION			
Platform with tunnel		▲	
2-post foldable safety frame		▲	
Mounted on Silent-Block		▲	
Driver seat with mechanical suspension		▲	
Height adjustment of steering column		▲	
2x repeater/work lights on dashboard		○	
1x Beacon light LED		○	
LED driving light		○	
Large rear mirrors installed in front of drivers platform		○	

		105	115
DIMENSIONS AND WEIGHTS			
With front tyre	Size	300/70 R20	
With rear tyre	Size	420/70 R24	
Wheelbase	mm	2400	
Max. length	mm	4117	
Total height - ROPS	mm	2395	
Height at bonnet	mm	1470	
Height at mudguards	mm	1364	
Width	mm	1940	
Weight	Kg	3400	
Total admissible load	Kg	6400	

- ▲ STD
- OPT
- Not available

* value can vary according to rear tyre size and transmission equipment.

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.



SAME is a brand of  SDF

