



Explorer³ TB



SAME



Explorer³ TB

A SINGLE TRACTOR FOR SO MANY ROLES

Complete, functional and simple. An Explorer³ TB tractor has everything you need when you're out in the field. The perfect answer to the needs of a small farm, but also an invaluable addition for a larger operation. The revised Explorer³ TB family offers a choice

of compact, sturdy and stable machines combining superior performance and quality, representing the ideal solution for the farmer who demands the reliability and prestige of a SAME tractor. Explorer³ TB tractors are extraordinarily

versatile multi-purpose machines that are extremely effective in olive groves, citrus orchards, low density fruit orchards and in mountainous areas.



Explorer³ TB





A VERSATILE CHOICE OF CONFIGURATIONS

Explorer³ TB has been created to offer a wide scope for personalised choice.

This tractor family is equipped with the tried and tested SDF 1000 Series 4 cylinder turbo intercooled engine with electronic engine governor and offered as 95 HP or 105 HP variants; a benchmark for superlative performance and reliability.

The range consists of two models, each available as either LS or GS versions, offering a host of unique characteristics for this class of tractor.

The standard configuration is offered with a

5 speed gearbox and all-wheel braking, with multiple wet discs on all four wheels and a "Separate Brake" valve for independent front and rear axle braking. SAME Explorer³ TB tractors may also be equipped with premium features such as the Hi-Lo transmission, a hydraulic reverse shuttle with ComfortClutch, an electro-hydraulically engaged 4-speed PTO, and a groundspeed PTO with independent shaft.

BORN TO WORK ON THE FARM: POWERFUL, RELIABLE ENGINES

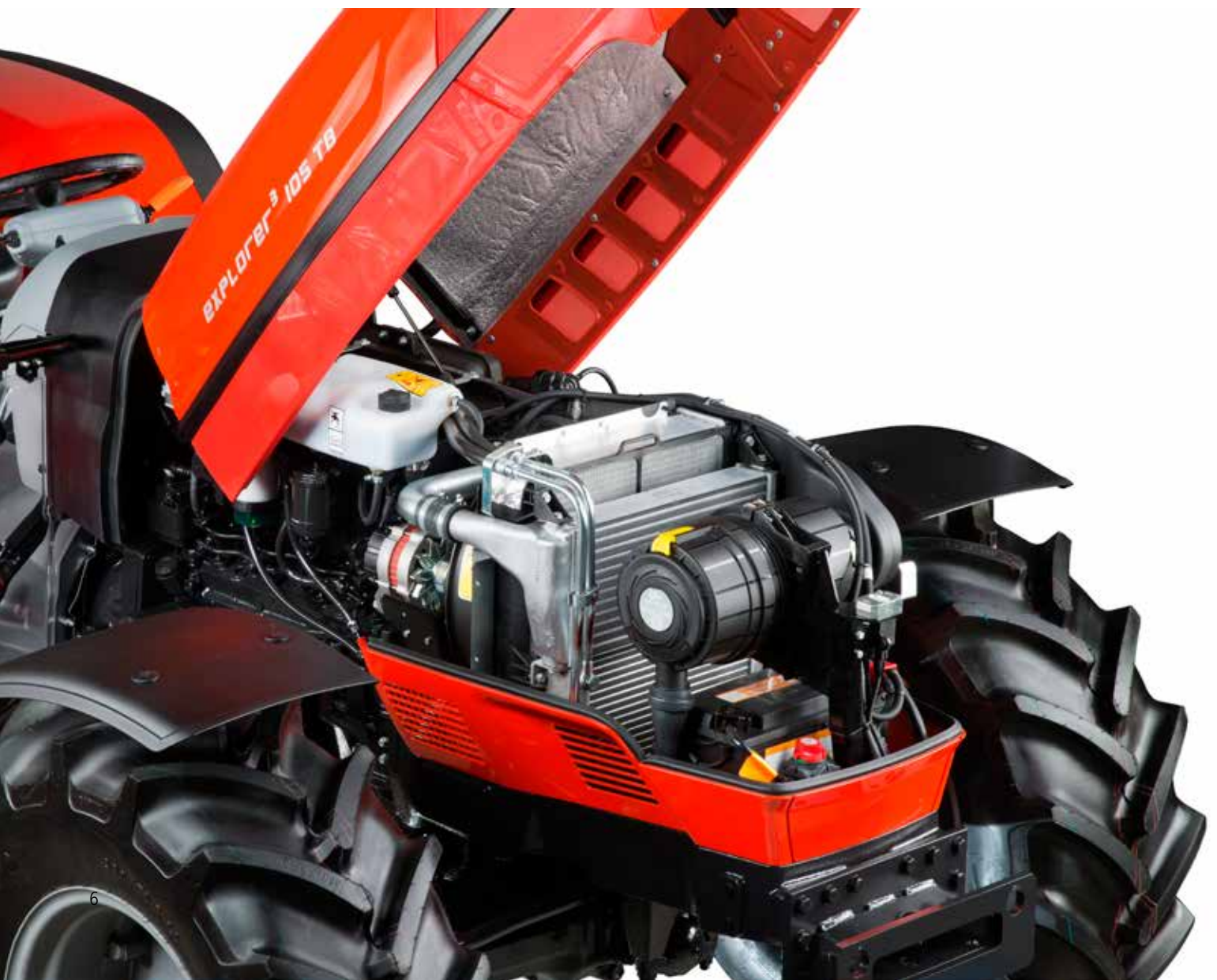
Explorer³ TB tractors are equipped with the 4000 cm³ SDF 1000 Series turbo intercooled engines featuring an electronic engine governor and compliant with Tier3 emissions regulations.

These robust, reliable engines have been developed specifically for agricultural applications, offering low running costs and simplified maintenance. With a generous unitary cylinder capacity and a turbocharger with intercooler, these engines deliver outstanding power and torque across a broad range of engine speeds. The new Explorer³ TB 95 and 105 tractors deliver up to 11% more power and 16% more torque than the previous versions.

The distinctly agricultural vocation of these engines is also emphasised by a torque reserve of over 20% for both versions; the generously sized 8" diameter engine air filter includes a dust ejector as standard. The cooling system features a blockage-resistant radiator pack with a removable fly screen (for simpler, quicker cleaning), for optimum engine operating temperatures even when working in very hot conditions.

Another optimised new feature is the proportional viscstatic fan (introduced on the Explorer³ 105 TB) which, in addition to improving engine efficiency, also saves an impressive 4 HP, contributing to maximising the performance of the tractor as a whole.

The new 85 litre fuel tank situated at the rear of the tractor is completely protected by the rear mudguards against possible contact with low hanging canopy plants and branches.



ELECTRONIC ENGINE GOVERNOR: TOTAL CONTROL

All versions feature an electronic engine governor as standard, which uses specific sensors to monitor the operating parameters of the engine in order to deliver exactly the right amount of fuel to the injectors in all load conditions, reducing fuel consumption and maximising the overall efficiency of the tractor.

The driver can also set and store specific engine speeds (e.g. preset minimum and maximum speeds), and recall them when needed to simplify headland manoeuvres.



EFFICIENT BUT SIMPLE: THE IDEAL TRANSMISSION FOR A MULTIFUNCTION TRACTOR

A wide range of specifications and simple to use, the transmissions of the new Explorer³ TB tractors all offer the same impressive robust construction and reliability, contributing to making these machines genuine all-rounder tractors.

LS and GS versions are available. The transmission is offered with a 5 speed gearbox with 2 or 4 ranges, and with the Hi-Lo powershift as an option. On GS versions, the hydraulic power shuttle includes two multi-plate wet clutches and features a dedicated electronic control unit, for smooth direction changes, even under load and on gradients. This optional feature significantly saves time

when manoeuvring on narrow headlands and is also invaluable when working with the front loader. The shuttle control lever includes a neutral position, and is situated ergonomically under the steering wheel for total safety.

As standard, GS versions with hydraulic power shuttle feature the convenient Stop&Go function and the ComfortClutch button integrated on the gear lever itself, which lets the operator shift gears without using the clutch pedal.

The Stop&Go function (offered for the first time in this tractor family) extends the capabilities of the hydraulic power shuttle and maximises productivity even in restricted spaces. This function lets the driver control the tractor with the brake pedals only and without having to use the main clutch.

When the system is enabled, the clutches of the hydraulic power shuttle disengage and are held open when the driver presses the brake pedals, to bring the machine smoothly to a stop. When the brakes are released, the clutches re-engage smoothly and progressively as the tractor moves off again.


On tractors with Hi-Lo, push button controls on the gear lever let the driver switch quickly and seamlessly between normal and low ranges without using the main clutch, even when under load.


Manufactured with superior quality materials, the large synchronisers ensure quick, precise shifts in all conditions.


To keep the whole transmission working correctly in all conditions, a specific radiator maintains the oil at the optimum operating temperature, even under prolonged heavy duty usage in hot weather.




SPEED

10 + 10 TRANSMISSION				
	24" [RI 600]	28" [RI 650]	30" [RI 675]	
Minimum speed* [Km/h]	2.6	2.8	2.9	
Maximum speed* [Km/h]	33.7	36.5	37.9	

20 + 20 TRANSMISSION with underdrive and supercreeper gear				
	24" [RI 600]	28" [RI 650]	30" [RI 675]	
Minimum speed* [Km/h]	0.29	0.31	0.32	
Maximum speed* [Km/h]	33.7	36.5	37.9	

20 + 20 Hi-Lo TRANSMISSION				
	24" [RI 600]	28" [RI 650]	30" [RI 675]	
Minimum speed* [Km/h]	2.6	2.8	2.9	
Maximum speed* [Km/h]	39.3	40 ECO @2065 rpm (max. 42.6)	40 ECO @1990 rpm (max. 44.2)	

20 + 20 Hi-Lo TRANSMISSION with underdrive and supercreeper gear				
	24" [RI 600]	28" [RI 650]	30" [RI 675]	
Minimum speed* [Km/h]	0.29	0.31	0.32	
Maximum speed* [Km/h]	39.3	40 ECO @2065 rpm (max. 42.6)	40 ECO @1990 rpm (max. 44.2)	

*NOTE: Speeds indicated in tables are theoretical. Where exact speed values are necessary for specific applications, these must be determined with measurements.



INDEPENDENT BRAKING FOR SUPERIOR AGILITY



Explorer³ TB tractors feature electro-hydraulically selected differential locks and 4WD as standard.

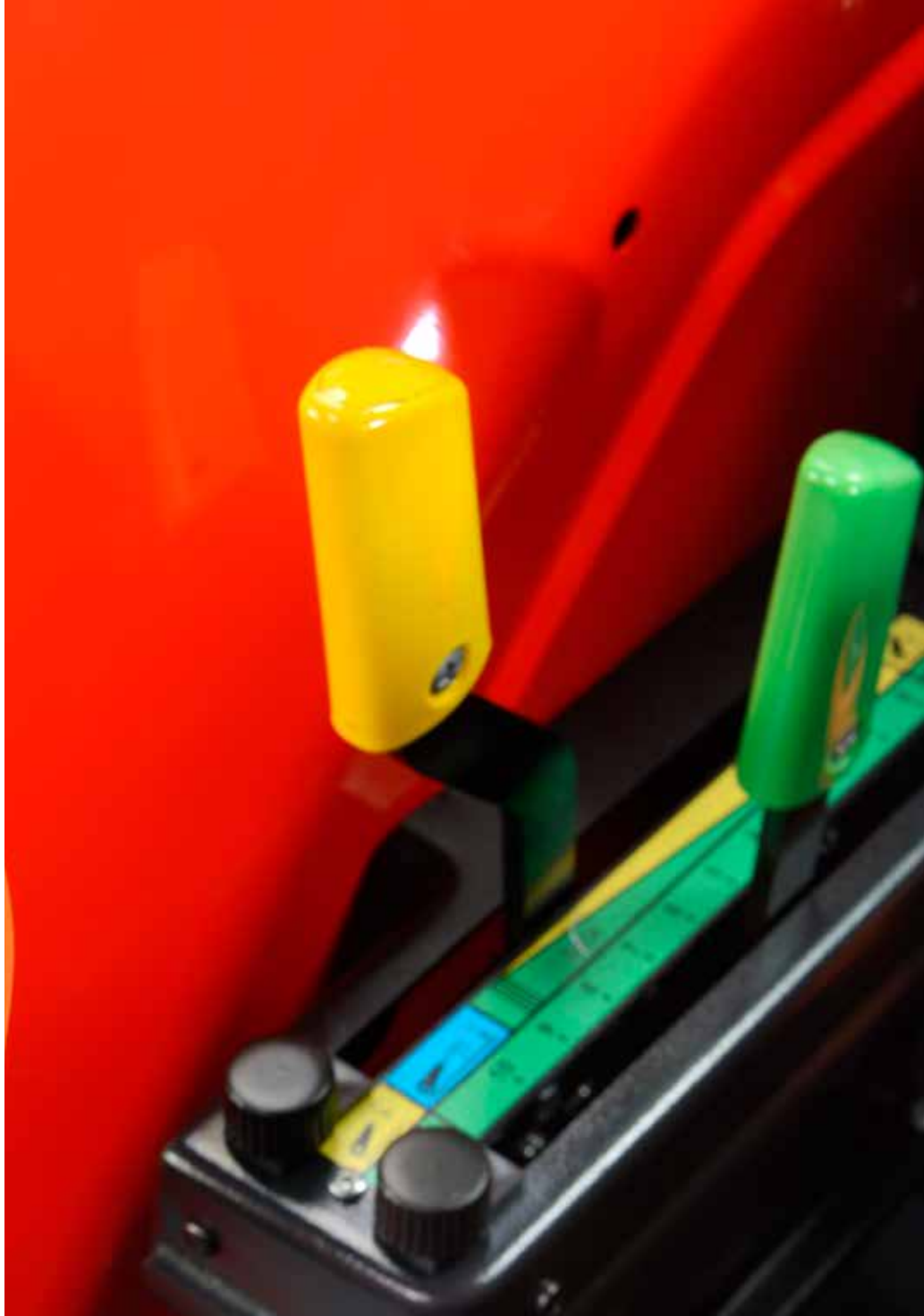
Multiple wet disc brakes are incorporated in the front axle, which has an impressive maximum load capacity of 2900 kg.

The "Separate Brake" valve lets the driver control the braking characteristics applied to each wheel independently, for extraordinary agility during headland manoeuvres.

A hydraulic trailer braking system is available as an option for all versions.

Testifying to the extraordinary sturdy construction of the rear axle and of the chassis as a whole, new Explorer³ TB tractors have a maximum permissible gross weight of 6200 Kg - almost double the weight of the tractor alone (3200 kg).

Explorer³ TB



A VERSATILE, MULTI-PURPOSE PTO FOR EVERY POSSIBLE APPLICATION

All Explorer³ TB versions come as standard with a PTO with an independent multi-plate wet clutch controlled electro-hydraulically from a push button.

An extensive choice of PTO speed modes (all standardised PTO speed modes are available: 540/540ECO/1000/1000ECO) lets you take full advantage of the potential of Explorer³ TB tractors in all applications, from lighter duty tasks such as hay-making and weeding to soil preparation jobs with rotary harrows and cultivators. The ECO PTO optimises engine speed in accordance with the PTO speed requested by the implement, significantly reducing consumption and emissions. The ground speed PTO with independent

shaft extends the transport capabilities of the tractor to include tasks with driven axle trailers.



A SOLIDLY BUILT LIFT FOR EXTREME RELIABILITY

The multi-task versatility of SAME Explorer³ TB tractors is also due to working with a wide variety of hitch-mounted implements powered and controlled with hydraulic auxiliary valves.

The extremely robust 3-point linkage, offers a lifting capacity of up to 4500 Kg, for working effectively and productively with heavy implements normally used only with larger, more expensive tractors. Explorer³ TB tractors are equipped with a new mechanical hitch with internal cylinder, offering a maximum lift capacity of 3600 Kg in standard configuration, or 4500 Kg with the addition of two optional external assistor rams. This impressive lifting capacity is controlled effortlessly with two hitch control levers. One for hitch settings and

one for lifting or lowering. The rear 3-point linkage may be configured with conventional lower link fixed ball ends or claw quick hitch.

A VERSATILE HYDRAULIC SYSTEM WITH INCREDIBLE AGILITY

Contributing to the versatility of an Explorer³ TB tractor is a hydraulic system conceived for unparalleled performance in all operations.

The hydraulic system of Explorer³ TB tractors is fed by a 56 L/min main pump, which supplies the auxiliary valves and the rear lift, with an additional 35 L/min exclusively for the steering system, for a smooth steering action even at low engine speeds.

All Explorer³ TB tractors feature two mechanically controlled auxiliary valves as standard, or up to three valves as an option.





COMFORT AND TOTAL CONTROL FOR A SAFER DRIVING EXPERIENCE

Once on board an Explorer³ TB tractor, there is an immediate sense of strength and sturdiness, and of rational design, with all the main controls laid out logically and easily located.

With their excellent weight distribution, ideal balance between a low centre of gravity and ample ground clearance, and unobstructed all-round visibility, these tractors offer a feeling of outstanding safety, stability and total control. Nothing is a problem - everything is instantly clear and intuitive: as well as being positioned within easy reach, the controls are also clearly colour-coded for immediate identification. The large driver platform is suspended on anti-vibration rubber blocks, and offers superlative insulation for the driver against the heat, noise and vibration produced by the mechanics of the tractor and the surrounding environment. The suspended pedals, adjustable steering wheel, hydraulically operated clutch and brake pedals and ergonomic lateral control levers, together with a driver seat with mechanical suspension, ensure outstanding driver comfort. Extensions for the rear mudguards and splash guards in high density polycarbonate at the front of the tractor protect the driver against splashes and debris lifted by the wheels. The new instrument cluster boasts an extremely rational, visually pleasing display, and provides the driver with clear and immediately legible information for controlling the tractor effectively and safely, with instruments that are easily visible even in very bright sunlight.

The 2-post rear ROPS may be folded backwards if needed (where safe to do so) to reduce the maximum height of the tractor, for working in greenhouses, tunnels or under canopies, for example.

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TECHNICAL DATA


EXPLORER ³ TB		95	105
ENGINE			
Emissions		Tier3	Tier3
Manufacturer		SDF	SDF
Cylinders/Capacity	No./cm3	4/4000	4/4000
Turbo Intercooler		•	•
Maximum power (ECE R 120) @ 2,000 rpm	kW/hp	70/95	78/106
Maximum power at rated speed (ECE R 120) @2,200 rpm	kW/hp	70/95	75/102
Max. torque @ 1600 rpm	Nm	373	390
Torque rise	%	21	23
Electronic engine management		•	•
Fuel tank capacity	litres	85	85
SHUTTLE			
Mechanical Reverse Shuttle (LS)		•	•
Under-load hydraulic reverse shuttle (GS)		○	○
Stop&Go System (GS)		○	○
MECHANICAL GEARBOX			
5 speed gearbox		•	•
Number of speeds	n°	10 + 10	10 + 10
Number of speeds with underdrive and supercreeper gear	n°	20 + 20	20 + 20
MECHANICAL HI-LO TRANSMISSION (OPT)			
5 speed gearbox		•	•
Number of speeds	n°	20 + 20	20 + 20
Number of speeds with underdrive and supercreeper gear	n°	40 + 40	40 + 40
REAR P.T.O.			
Electro-hydraulically engaged		•	•
PTO 540		○	○
PTO 540/540ECO		•	•
540/540ECO/1000/1000ECO PTO		○	○
Ground speed PTO		○	○
FRONT AND REAR AXLE			
Four wheel drive electro-hydraulically engaged		•	•
Electro-hydraulically engaged differential lock		•	•
BRAKES AND STEERING			
Braking action on all 4 wheels		•	•
"Separate Brake" valve		•	•
Mechanical hand brake		•	•
Hydraulic trailer braking		○	○
Hydrostatic steering with independent pump		•	•
HITCH			
Rear hitch lift mechanical control		•	•
Rear hitch lift capacity (std)	kg	3600	3600
Rear hitch lift capacity (opt)	kg	4500	4500
HYDRAULIC SYSTEM			
Pump output	l/min	56	56
Open-centre hydraulic system		•	•
Rear auxiliary valves	No.	2 / 3	2 / 3
OPERATOR PLATFORM			
Side mounted transmission gear levers		•	•
Two-post folding ROPS		•	•
Instrumentation digital		•	•
Driving seat mechanically adjustable		•	•
DIMENSIONS AND WEIGHTS			
Standard rear tyres		420/70R24	480/65R28
Max. length with rear linkage	mm	4125	4125
Width (min./max.)	mm	1939/2339	2101/2405
Ground clearance	mm	290	340
Wheelbase	mm	2,400	2,400
Front track (min./max.)	mm	1374/1862	1588/1882
Rear track (min./max.)	mm	1500/1900	1598/1902
Height at rear mudguards	mm	1314	1414
Weight with ROPS	kg	3200	3400
Maximum loading capacity	kg	6200	6200

- STD
- OPT
- Not available

Area dealers

same-tractors.com

Use of original SDF lubricants and coolants is recommended.

SAME is a brand of  **SDF**

