



Dorado NATURAL



Dorado Natural: naturally a winner.

As simple to use as it is rich in technological content, the SAME Dorado Natural stands out for its great versatility too, working in the best possible way both in the open field and in limited spaces (greenhouses, stables, etc.).

Thanks to the new FARMotion engines, the SAME Dorado Natural guarantees optimum comfort and a wide choice of configurations - characteristics that make it the ideal all-rounder for winning every match. The new cab provides a modern, comfortable and ergonomic work environment, and the new transmissions not only ensure the "right pace" out in the field but are also designed to travel at 40km/h on the road with the engine running in economy mode.

The SAME Dorado range offers models

that boast excellent manoeuvrability, to move easily in even the narrowest spaces, and a torque supply that's ideal for the agricultural context. At the same time, the tried and tested 5-speed transmissions - completed with modern servo mechanisms for front wheel drive engagement and differential locking - guarantee excellent traction and robustness, allowing even the hardest field work to be easily carried out.

ENGINE

The Dorado Natural range comprises 4

models from 70 to 100 HP, powered by advanced 3-cylinder FARMotion engines that not only offer compactness and proven reliability but also efficiency and minimal maintenance needs.

The innovative FARMotion engine is purposely designed, in fact, for agricultural use; the 3-cylinder version is fitted on the SAME Dorado Natural, to enhance the already excellent handling of these machines. The use of a viscostatic fan, turbocharger with intercooler and waste-gate valve, along with a common rail injection system



up to 2,000 bar and the latest 7-hole piezoelectric injectors (for optimum diesel spraying to ensure efficient combustion), produces first class results whilst at the same time keeping diesel consumption at the lowest levels in this category. Furthermore, the FARMotion engines offer almost constant power supply over a wide speed range and with high torque, even at low rotation speeds.

The advanced conception and innovative technical solutions ensure that FARMotion engines comply with the limits envisaged by Stage III B in terms of polluting emissions, merely using the DOC catalytic converter which requires no maintenance or regular supplementary diesel injections for regeneration.

FARMotion engines are distinguished by their outstanding performance figures: the maximum rotation speed is only 2,200 rpm; the version installed on the SAME Dorado 80 Natural provides a torque reserve of 43%, whereas on the SAME Dorado 100 Natural, it develops a maximum torque of 369 Nm at 1,600 rpm.

Apart from optimising consumption, the fully electronic diesel injection control also allows two work speeds to be memorised. These are directly activated from the driver's seat by means of a dedicated button command, leaving the ECU with the task of proportioning fuel use on the basis of the load. This means the connected attachments can be used in a smooth manner, even with the sudden load variations that are a typical feature of many types of agricultural

work.

The new layout underneath the bonnet offers a sheltered, protected area for both the DOC catalytic converter and the new PowerCore 2-stage air filter (which can be fitted upon request with a dust ejector).

Two practical sliding screens have been added, to protect the radiator pack and facilitate maintenance.



The top in terms of versatility and safety.

Modular, reliable transmissions with optimum efficiency; large-capacity hydraulic pumps and powerful handlers; PTO 540 ECO as standard, and front wheel brakes for real integral braking - these are just a few of the special features of the new SAME Dorado Natural range.

TRANSMISSION

Two different transmission configurations further increase the versatility of the Dorado Natural. The standard one offers 5 speeds for 3 ranges, with the shortest gear ratio enabling the tractor to move forward at a mere 287m/h (with the engine at maximum speed); on the other hand, it can travel at 40km/h with the engine running at just 1,870 rpm (with 420/70 R30 tyres), which

means significant fuel savings during fast movement on the road.

With the optional splitter (activated by means of a handy lever just beneath the steering wheel), the forward gear ratios are doubled (producing a combination of 30+15) and the shortest gear ratio enables movements of just 237m/h (with the engine running at maximum speed). To further boost productivity levels, electrohydraulic front wheel drive and front and rear differential locking

are standard.

HYDRAULICS AND PTO

The Dorado Natural can also be successfully coupled with very demanding hydraulic equipment: the models in the range are in fact equipped with a 50 l/min pump dedicated to the rear linkage and auxiliary 4-couple distributors (6 couplers as an option) with classic mechanical control. The steering circuit is served by an additional



independent 18 l/min pump for maximum safety and smooth driving even when the engine is at minimum. The rear linkage has a maximum capacity of 2,500kg close to the ball joints, increased to 3,500kg with the additional optional cylinders. The PTO comes as standard with 540 rpm and 540 ECO speed modes, but a 1,000 rpm mode or ground speed PTO can also be added as an option. The dedicated clutch is mechanically

engaged by means of a handy lever, so it's very easy to insert it gradually.

BRAKES

The front axle, entirely designed and built by SAME, has a maximum steering angle of 55°, with a maximum permitted load of 2,300kg, and the front wheels are fitted with brake discs for absolute safety.



Top class comfort.

The driving seat of the new SAME Dorado Natural range guarantees an extremely high level of comfort, usually found only on high-power tractors. The new layout is perfect in every way, and the well-established SAME colour logic for the commands make even the most complex tasks quick and easy.

CAB AND DRIVER'S SEAT

The new Dorado Natural cab is the result of a thorough design study to obtain first-rate comfort: the platform is suspended on special Silent-Blocks, which effectively dampen the transmission vibration. The driver's seat is equipped with efficient mechanical suspension with adjustable rigidity, adapting to the driver's weight whilst still ensuring excellent vibration mitigation. For those aiming for

even greater comfort, the optional configurations include a seat with pneumatic suspension.

The new command layout is designed to be rational, highly responsive and user-friendly. The analogue/digital display follows the steering column in the correct adjustment of the tilt, thus ensuring a clear view of the machine's main operating parameters at all times. The new Dorado Natural can also be fitted with an optional high-visibility

panoramic roof, or a type-approved FOPS roof for protection against objects that accidentally fall from above.




		70	80	90	100
ENGINE					
Emissions compliance		Stage III B	Stage III B	Stage III B	Stage III B
Manufacturer		SDF	SDF	SDF	SDF
Series		FARMotion	FARMotion	FARMotion	FARMotion
Cylinders/capacity	n°/cm³	3/2887	3/2887	3/2887	3/2887
Turbo intercooler		●	●	●	●
Maximum power (ECE R120) at 2000 rpm	kW/HP	48/65	55,4/75	65/88	71/97
Rated power (ECE R120) at 2200 pm	kW/HP	48/65	55,4/75	61,6/84	67,3/92
Max. torque @ 1600 rpm	Nm	292	342	354	369
Torque rise	%	41	43	32	27
Electronic engine governor system		●	●	●	●
Fuel tank capacity	Litres	90	90	90	90
REVERSE SHUTTLE					
Synchronised mechanical reverse shuttle		●	●	●	●
MECHANICAL GEARBOX					
5 speed gearbox with 15+15 ECO speeds with supercreeper gear (40 km/h ECO)		●	●	●	●
5 speed gearbox with 30+15 ECO speeds with supercreeper gear (40 km/h ECO)		○	○	○	○
REAR PTO					
Mechanical engagement		●	●	●	●
PTO 540/540ECO		●	●	●	●
540/540ECO/1000 PTO		○	○	○	○
Ground-speed PTO		○	○	○	○
FRONT AND REAR AXLE					
Electrohydraulically engaged 4WD		●	●	●	●
Electrohydraulically engaged differential lock		●	●	●	●
BRAKES AND STEERING					
Independent parking brake		●	●	●	●
Hydraulic trailer braking		○	○	○	○
Hydrostatic steering with independent pump		●	●	●	●
Steering angle		55°	55°	55°	55°
LIFT					
Mechanically controlled rear lift		●	●	●	●
Rear lift capacity	kg	2500	2500	2500	2500
Rear hitch lift capacity with supplementary lift cylinders	kg	3500	3500	3500	3500
HYDRAULIC SYSTEM					
Pump output (std)	l/min	50	50	50	50
Rear auxiliary hydraulic distributors	No. of ways	4/6	4/6	4/6	4/6
CAB					
Digital display		●	●	●	●
Height and tilt adjustable steering column		●	●	●	●
Air conditioning		○	○	○	○
High visibility roof		○	○	○	○
DIMENSIONS AND WEIGHTS					
Standard front tyres		280/85 R20	280/85 R20	360/70 R20	360/70 R20
Standard rear tyres		380/85 R28	380/85 R28	420/70 R30	420/70 R30
Max. length	mm	3860	3860	3860	3860
Width	mm	1795	1795	1882	1882
Max. height at cab	mm	2470	2470	2495	2495
Wheelbase	mm	2100	2100	2100	2100
Weight	kg	3200	3200	3200	3200
Maximum permissible load	kg	5200	5200	5200	5200

- STD
- OPT
- Not available

Area dealer

To find out more, visit [same-tractors.com](https://www.same-tractors.com)
or talk to you dealer.

SAME is a brand of  SDF



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