



[ CODENAME ]

# DORADO NATURAL

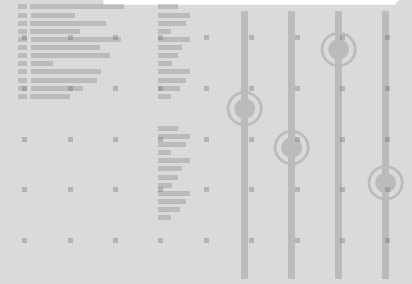
STAGE V

70 | 80 | 90 | 100

70 | 80 | 90 | 100



**SAME**



[ MISSION ]

# 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 (i.e. greenhouses, stables).

MISSION

The new FARMotion 35 engines, together with optimum comfort and a wide choice of configurations are characteristics that make the SAME Dorado Natural the ideal tractor 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 40 km/h on the road with the engine running in economy mode.

The SAME Dorado Natural 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 electro hydraulic engagement for front wheel drive and differential locking - guarantee excellent traction and robustness, allowing even the hardest field work to be easily carried out.



# ENGINE

## BORN FOR AGRICULTURE.



An engine conceived for farming. In day to day use, the difference this makes is clear!

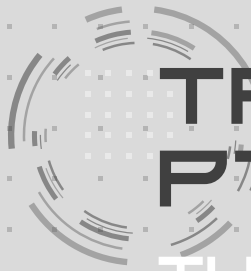
The Dorado Natural range comprises 4 models from 66 to 102 HP, powered by advanced 3-cylinder FARMotion 35 engines that not only offer compactness and proven reliability but also efficiency and minimal maintenance needs. The innovative FARMotion 35 engine is purposely designed, in fact, for agricultural 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

35 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 35 engines comply with the limits envisaged by Stage V in terms of polluting emissions, merely using the DOC+DPF (for the models 70 and 80) or DOC+DPF+SCR (for the models 90-100). FARMotion 35 engines are distinguished by their outstanding performance figures: the maximum rotation speed is only 2,200 rpm; the version installed on the SAME Dorado 100 Natural provides a torque reserve of 35% and it develops a maximum torque of 417 Nm. 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.

ENGINE



<b>70:</b>	66 HP / 48,9 kW
<b>80:</b>	76 HP / 55,8 kW
<b>90:</b>	91 HP / 67 kW
<b>100:</b>	102 HP / 75 kW



# TRANSMISSION, PTO AND HYDRAULICS

## THE TOP IN TERMS OF VERSATILITY AND SAFETY.



Modular, reliable transmissions with optimum efficiency; large-capacity hydraulic pumps and powerful handlers; PTO 540ECO 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 AND PTO

A wide choice of transmission configurations further increases 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 298 m/h (with the engine at maximum speed). 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 245 m/h (with the engine running at maximum speed). To further boost productivity and comfort levels, PowerShuttle and Hi-Lo 2-steps Powershift are even available. All Dorado Natural equipped with PowerShuttle offers as standard an exclusive pack of features such as Stop&Go, ComfortClutch and SenseClutch. Stop&Go is the function which allows to stop and restart the tractor using only brake pedals. ComfortClutch is the function which duplicates the clutch control on gear knob and SenseClutch allows the driver to adjust the PowerShuttle responsiveness in 5-levels. All transmissions allow to travel at 40 km/h with the engine running at just 1800 rpm, which means significant fuel savings during fast movement on the road. The front axle, entirely designed and built by SAME, has a maximum steering angle of 55°, with a maximum permitted load of 2300 Kg, and the front wheels are fitted with brake discs for absolute safety.



## PTO AND HYDRAULICS

The PTO comes as standard with 540 rpm and 540ECO speed modes, but a 1000 rpm mode or groundspeed PTO can also be added as an option.

The Dorado Natural can also be successfully coupled with very demanding hydraulic equipment: the models in the range are in fact equipped with a 56 l/min pump dedicated to the rear linkage and auxiliary 4-coupler distributors (6 couplers as an option) with classic mechanical control. The steering circuit is served by an additional independent 20 l/min pump for maximum safety and smooth driving even when the engine is at minimum speed. The rear linkage has a maximum capacity of 2500 Kg close to the ball joints, increased to 3500 Kg with the additional optional cylinders. For rear lift control is now available the EasyLift system that allows to raise and lower the implements using a single button on the console.

### The ideal front loader tractor

Dorado Natural can also be pre-arranged for front loader applications thanks to the availability of Light or Ready Kit directly from the factory.



TRANSMISSION AND PTO





# DRIVING POSITION

## TOP CLASS COMFORT.



The driving seat of the new SAME Dorado Natural range guarantees a 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.

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.

DRIVING POSITION



# DORADO NATURAL

		70	80	90	100
<b>ENGINE</b>					
Model		FARMotion 35			
Emission level		Stage V			
Cylinders/Displacement	n°/cc	3/2887			
Bore/Stroke	mm	103/115.5			
Aspiration		Turbo Intercooler			
Injection @ pressure	Type	Common Rail @ 2,000 bar			
Max. power @ 2,000 rpm	KW/HP	48.9/66	55.8/76	67/91	75/102
Rated power @ 2,200 rpm	kW/HP	48/65	55.2/75	63.5/86	71/97
Max. torque	Nm	297 @ 1500	341 @ 1500	372 @ 1400	417 @ 1400
Torque rise	%	16	28	35	35
Visco cooling fan		▲	▲	▲	▲
Fuel tank/AdBlue	l	90/-		90/12	
EAT	System	DOC + DPF		DOC + DPF + SCR	
<b>TRANSMISSION</b>					
SDF transmission	Type	T3300			
Transmission ratio		1.383			
<b>MECHANICAL SHUTTLE</b>					
Gearbox	n°	5 gears x 3 ranges			
N° of speed	n°	15+15			
N° of speed with mechanical splitter	n°	30+15			
Top speed 40 km/h ECO	rpm	1800*			
<b>POWERSHUTTLE</b>					
Gearbox	n°	5 gears x 3 ranges			
N° of speed	n°	15+15			
N° of speed with 2 Powershift steps	n°	30+30			
Stop&Go		▲			
SenseClutch		▲			
ComfortClutch		▲			
Top speed 40 km/h ECO	rpm	1800*			
<b>PTO</b>					
540/540ECO		▲			
540/540ECO/1000		○			
540/540ECO + Groundspeed PTO		○			
<b>LIFT</b>					
Mechanical rear lift		▲			
Mechanical rear lift with "EASYLIFT"		○			
Rear lifting capacity (STD)	Kg	2500			
Rear lifting capacity (OPT)	Kg	3500			
<b>HYDRAULICS</b>					
Pump flow (STD)	l/min	48			
Pump flow (OPT)	l/min	56			
Rear spool valves	n°	2/3			
<b>BRAKES</b>					
4 wheel braking		▲			
Mechanical parking brake		▲			
Hydraulic DualMode trailer brake		○			
<b>4WD FRONT AXLE</b>					
Front axle	Size	1			
Steering angle	degrees	55			
Electrohydraulic 4WD engagement		▲			
Electrohydraulic Diff Lock engagement		▲			
<b>CAB</b>					
Adjustable steering column		▲			
Openable front and rear windows		▲			
Pneumatic seat suspension		○			
Manual A/C		○			
High visibility roof		○			
FOPS certification		○			
<b>DIMENSIONS AND WEIGHTS</b>					
With rear tyre	Size	420/70 R30*			
Wheelbase	mm	2100			
Max. length	mm	3890			
Centre rear axle - Cab	mm	1820			
Total height	mm	2520			
Width	mm	1882			
Weight	Kg	3250			
Total admissible load	Kg	5200			

\*with 480/70 R30 rear tyres

▲ STD


○ OPT

- Not available

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](http://same-tractors.com) or talk to your dealer.



SAME is a brand of  SDF



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