[CODENAME]

FRUTTETO 80 CLASSIC

STAGE V

SAME

[MISSION]

ALL THE WINNING FEATURES OF THE FRUTTETO RANGE COMBINED WITH MAXIMUM EFFICIENCY AND LOW OPERATING COSTS

Compact and easy to use, Frutteto Classic tractors deliver advanced technology with unmatched efficiency.

The models in the Frutteto 80 Classic family inherit the winning traits of the previous generation of Frutteto tractors, which have always set the standard in their category. Frutteto 80 Classic tractors now offer advanced technology at affordable prices, including hydraulic reverse shuttle, 3 Powershift gears and especially the innovative ActiveDrive front axle with articulated quadrilateral adaptive suspension, which accounts for ground speed and steering angle to ensure an advanced dynamic response, providing levels of driving stability and comfort both on the road and in the field that were previously only attainable with more powerful models. The SAME Frutteto 80 Classic tractors were expressly designed to achieve the ideal balance between a high level of specialisation and low operating costs, responding to farmers who demand functional tractors capable of working optimally with all sorts of implements in specialised settings. They are also ideal for settings where machines of this power level and category facilitate a rapid return on investment, such as fruit and vegetable farms and/or small farms.

ENGINE

MODERN, AND 100% SUITED FOR AGRICULTURAL USE.

The FARMotion 35 engine installed on the Frutteto 80 Classic is Stage V compliant without requiring AdBlue.

The very compact size of the FARMotion 35 engine is partly to thank for the elevated steering angles achieved by SAME Frutteto 80 Classic tractors, which are superbly easy to manoeuvre. These advanced engines were specifically designed for ultimate performance in agricultural settings, thanks to cutting-edge technical features, such as Common Rail injection at up to 2,000 bars, a turbocharger with Intercooler, and a viscostatic fan. This impressive "package" optimises diesel combustion, minimising fuel consumption in all conditions. The tractor's agricultural vocation is borne out by the "numbers", a maximum engine speed of just 2200 rpm, reserve torque at 28%, a maximum torque of 341 Nm delivered at 1500 rpm, and especially the availability of 88% of maximum torque (300 Nm) up to just 1100 rpm, so that work can be carried out at low engine speeds to minimise wear and diesel consumption. Compliance with Stage V emissions regulations is attained with an external cooled EGR circuit, DOC catalytic converter and passive DPF filter, requiring neither AdBlue nor the use of additional fuel injected into the system to perform periodic DPF regeneration cycles. The engine compartment features an advanced double state PowerCore combustion air filter. The maintenance demands of FARMotion 35 engines have also been minimised: valve play is immediately recovered thanks to a hydraulic system, and scheduled maintenance intervals are a full 600 hours. These engines can also run on alternative fuels such as HVO, making them the ideal allies in achieving CO_2 emission reduction goals. Finally, the new preheat system ensures dependable, quick engine starts even in the coldest weather.

Max. power
80: 76 HP / 55.8 7W

TRANSMISSION AND PTO

HIGHLY EFFICIENT TRANSMISSION AND PTO, WITH EXTENSIVE CONFIGURATION OPTIONS.

Maximum transmission efficiency improves performance and reduces consumption. For this reason, for its Frutteto 80 Classic tractors, SAME makes exclusive use of transmissions expressly dedicated to this machine category

Having the freedom to use the best gear for each operation between the rows is a significant additional advantage, enabling both extremely low speeds for specific operations and the high speed of transport required on the road.

SAME Frutteto 80 Classic tractors offer the perfect solution since any version of the transmission has a perfectly scaled gear range, from 30 to 45 speeds for forward movement, and from 15 to 45 in reverse. In all cases, the gears stand out not only for their elevated performance but also for their proverbial reliability, owing to the manufacturer's extensive experience in the world of specialised tractors.

Even the simplest version offers a completely synchronised transmission featuring 5 gears for 3 ranges with mechanical reverse shuttle, augmented by a splitter that doubles the number of forward gears, with an 18% reduction in speed. The splitter provides an additional option for selecting the perfect speed for each operation, from the 30+15 speeds available. Should this be insufficient, for those who desire a transmission that sets the standard for specialised tractors with Powershift, a transmission with 5 gears for 3 ranges augmented by a module with 3 gears that can be inserted under load is available, offering a total of 45 forward and 45 reverse gear ratios. Those who want the

absolute maximum can also add the hydraulic reverse shuttle, which also includes the very convenient Stop&Go function, to stop and start the tractor without operating the clutch pedal. In addition, tractors equipped with hydraulic reverse shuttle also offer the ComfortClutch function as standard, to change gears by simply pressing a button on the gear lever without needing to operate the clutch pedal in this case either. Regardless of which transmission is best suited for your needs, all models attain a speed of 40 km/h, even with 20" rear tyres; in addition to this, Frutteto 80 Classic and Frutteto 80 S Classic models can travel at maximum speed with reduced rpm.

At the other end of the spectrum, with the shortest gear ratio, the biggest tyres and the engine at maximum regime, the speed can be kept between 197 and 246 m/h (depending on the version). The PTO comes with progressively engaged electrohydraulic multiplate wet clutch and operating modes at 540 rpm + 540ECO as standard. As an option, a 1000 rpm PTO or a PTO synchronised with the transmission can be added, not to mention front PTO with 1000 rpm progressively engaged electrohydraulic clutch. For PTO output shafts, options include classic fixed or interchangeable splined stub shafts.

HYDRAULICS AND LIFTS

GREAT MODULARITY, WITH TOP PERFORMANCE.

The new Frutteto 80 Classic series benefits from powerful modular hydraulic systems that manage capable lifts, also available with electronic control.

Even the basic configuration of the SAME Frutteto 80 Classic features a powerful dual pump hydraulic system. Specifically, the 45 l/min pump exclusively serves the steering wheel and accessory services (front traction engagement, differential locking, transmission), to guarantee fluid manoeuvring even with the engine at minimum and with the simultaneous use of the lift or of more demanding hydraulic implements.

Meanwhile, the pump expressly reserved for the lift and the hydraulic valves has a capacity of 54 l/min; for more demanding tasks, a third pump can be added to operate in tandem with the main pump increasing the flow of oil to 64 l/min, which is more than enough to power even the most demanding hydraulic implements.
3 double acting rear hydraulic distributors with flow setting valve and a free return line are fitted as standard, for more efficient

use of the highest performance hydraulic motors. To meet specific requests, the mid-mounted position can be duplicated up to 4 ways, besides the free return. Great attention is also paid to the environment, with a tank for the recovery of any oil that may have escaped when connecting the hydraulic pipes under pressure.
The specific geometry of the arms and tie-rods combined with the sturdy construction of all of its components give the rear hitch all the load capacity needed for even the most challenging tasks, whether under mechanical or electronic control. The maximum lifting capacity of the Frutteto 80 Classic is 2800 kg, while for the S and V versions it is 2600 kg.
A tie-rod, hydraulic stabilisers, and a powerful, 1500 kg front lift are available as options.

AXLES AND BRAKES

UNIQUE AND UNMATCHED, FOR ULTIMATE SAFETY AND PRODUCTIVITY.

Thanks to the extensive experience that SAME has accrued working between rows, the axles and brakes of the Frutteto 80 Classic are unique and were designed internally to meet the specific needs of these specialised models.

As an alternative to the conventional high load capacity swing front axle, the new Frutteto 80 Classic series is available with an optional exclusive ActiveDrive independent articulated quadrilateral adaptive front suspension system, the product of SAME leadership in the specialised tractor sector. This exclusive innovation gives the two front wheels freedom to move vertically and independently one from the other, achieving optimal traction in all conditions. A pair of hydraulic cylinders with position control integrated with three nitrogen accumulators and electronic ground speed and steering angle sensors offer a level of driving comfort and stability that would be unimaginable for specialised tractors equipped with a different type of axle. To ensure that the machine maintains an optimal setup in all situations, the system is continuously controlling the damping capacity. The control software also offers two additional functions, to improve the active safety of the machine: Anti-Dive and Anti-Roll. Anti-Dive counters the tendency of the front axle to compress

suddenly under braking, causing weight transfer towards the front of the machine. This reduces stopping distances significantly, especially in the case of sudden, emergency braking.
Anti-Roll, on the other hand, automatically adjusts the stiffness of the dampers in relation to steering angle and vehicle speed to improve stability and grip when cornering.
In other words, when cornering at high speeds the stiffness of the external suspension increases, to better balance the vehicle, drastically reducing dangerous oscillations.
The electro-hydraulic activation of 4WD and of 100% differential locking are standard and guarantee ultimate traction in all terrain conditions. As is typical for specialised tractors manufactured by SAME, real true braking, with brake discs mounted on all 4 wheels, is standard for unmatched safety.

DRIVING POSITION

4-PILLARS CAB TO ENSURE THE BEST VISIBILITY

The cab's exterior has been designed for smooth navigation between rows, minimizing contact with branches, while the interior ensures optimal control ergonomics and maximum driver comfort.

Specifically designed by SAME for this range of tractors, the cabs with just 4 pillars guarantee excellent all-round visibility. Despite its compact size, the cab design is comfortable, thanks to the experience SAME has accrued in the manufacture of specialised tractors, which need to keep their footprint down to a minimum. The height of the cabs is kept under 2.5 m, while different widths and wheel arches are available to match the different tyre sizes available. The seats, with suspensions (air suspension optional) that can adapt to the weight of the driver across a broad spectrum, and the height-adjustable steering wheel allow drivers of all sizes to find a practical and comfortable driving position; the controls are laid out ergonomically and use the conventional SAME colour scheme to ensure simple, intuitive use, for an even safer and more comfortable work environment. A powerful climate control system in the cab, with optional air-conditioning, helps increase microclimatic comfort. Maintenance of the air filters in the cab (available with active carbon filtration as standard) is extremely simple and requires no special tools. A practical storage compartment with a smartphone holder and 2 built-in USB ports is available as an option.

DRIVING POSITION

HYDRAULIC SYSTEM

- 3 rear spool valves with flow regulator and 1 rear free return
- Up to 4 duplicated mid-mounted hydraulic ways
- Single pump with 54 l/min or Double pump with 64 l/min oil flow

TRANSMISSION

- Mechanical shuttle or PowerShuttle with Stop&Go and ComfortClutch function
- 30+15 or 45+45 with 3-Powershift steps (HML)
- Max speed: 40 km/h ECO (with 28" rear tyres)

DRIVING POSITION

- 4-post cab or Platform
- Driver seat with mechanical or pneumatic suspension

ENGINE

- FARMotion 35 engine for high maneuverability
- Compact EAT which does not need additional fluids like AdBlue
- High pressure Common Rail

AXLES AND BRAKES

- Fixed front axle or ActiveDrive
- True 4-wheel braking
- Auto4WD function available
- Overall width Frutteto 80 Classic: from 1.45 m to 1.65 m
- Overall width Frutteto 80 S Classic: from 1.26 to 1.47 m
- Overall width Frutteto 80 V Classic: from 1.16 to 1.31 m

FRUTTETO 80 CLASSIC

		Frutteto 80 Classic Frutteto S 80 Classic Frutteto V 80 Classic
ENGINE		
Model		FARMotion 35
Emission level		Stage V
Aspiration		Turbo Intercooler
Injection @ pressure	Type	Common Rail @ 2000 bar
Cylinder/Displacement	n°/cc	3/2887
Max. power (ECE R120)	kW/HP	55.8/76
Power at rated engine speed (ECE R120)	kW/HP	55.2/75
Max. torque @ 1500 rpm	Nm	341
Fuel tank capacity (with front lift/PTO)	l	55 (35)
Fuel tanks capacity with additional fuel tank (with front lift/PTO) - Frutteto Classic	l	95 (75)
Fuel tanks capacity with additional fuel tank (with front lift/PTO) - Frutteto S/V Classic	l	85 (65)
TRANSMISSION - MECHANICAL SHUTTLE		
Number of speeds - 5 gears transmission		30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h	40 ECO*
TRANSMISSION - POWERSHUTTLE		
Number of speeds - 5 gears transmission		30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h	40 ECO*
PTO		
PTO speeds		540/540ECO or 540/540ECO/1000
Groundspeed PTO		○
Front PTO 1000		○
LIFT		
Mechanical rear lift		▲
Electronic rear lift		○
Rear lift capacity - Frutteto Classic	kg	2800
Rear lift capacity - Frutteto S/V Classic	kg	2600
Hydraulic right tie rod and stabilisers		○
Front lift (1500 kg)		○
HYDRAULICS		
Open centre hydraulic system (STD)	l/min	54
Open centre hydraulic system with double pump (OPT)	l/min	64
Rear spool valves (STD)	n°	3
Flow regulator		▲
Rear free return		▲
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways	2/4
Mid-mounted free return		▲
BRAKES		
4 wheel braking		▲
Hydraulic trailer brake		○
FRONT AXLE		
Electrohydraulic engagement for 4WD and Diff.Lock		▲
Auto 4WD		○
Independent steering pump		▲
ACTIVEDRIVE FRONT AXLE (OPT)		
Adaptive-Damping, Active Self-Levelling functions		▲
Anti-Dive, Anti-Roll functions		▲
Differential Traction Control (DTC)		▲
CAB		
4-post cab		▲
Driver seat with pneumatic suspension		▲
Air conditioning		○
4x Halogen working lights		▲
Adjustable steering column		▲

▲ STD
○ OPT
- Not available

* According to rear tyres size. ECO only for Frutteto 80 Classic and Frutteto 80 S Classic

FRUTTETO 80 CLASSIC

		Frutteto 80 Classic
DIMENSIONS		
With front tyre	Size	300/70 R20
With rear tyre	Size	420/70 R28
Wheelbase	mm	2011
Max. length	mm	3680
Total height	mm	2396
Height at bonnet	mm	1453
Width	mm	1624
Weight	kg	2995
Total admissible load	kg	5000

		Frutteto 80 S Classic
DIMENSIONS		
With front tyre	Size	280/70 R18
With rear tyre	Size	380/70 R28
Wheelbase	mm	2050
Max. length	mm	3695
Total height	mm	2371
Height at bonnet	mm	1503
Width	mm	1380
Weight	kg	2850
Total admissible load	kg	4600

		Frutteto 80 V Classic
DIMENSIONS		
With front tyre	Size	180/95 R16
With rear tyre	Size	280/85 R24
Wheelbase	mm	2050
Max. length	mm	3695
Total height	mm	2271
Height at bonnet	mm	1483
Width	mm	1166
Weight	kg	2830
Total admissible load	kg	4600

Technical data and figures are only provided for guidance. SAME is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.

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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