

Frutteto³

80 | 90.3 | 90 | 100 | 110







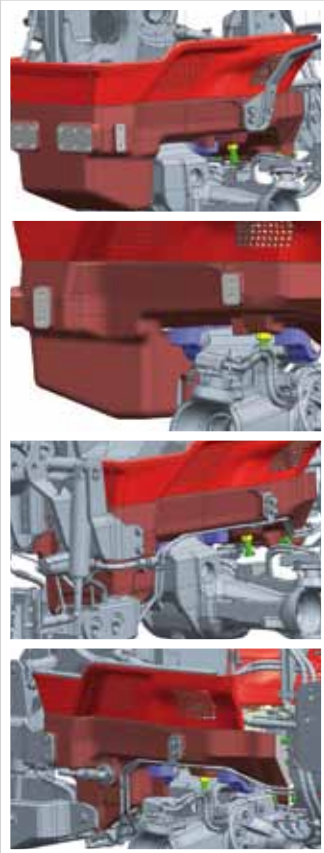
New Frutteto³ range. A major turn towards greater comfort, efficiency and handling

The SAME name has become synonymous with specialist tractors. And small wonder. The company has a long tradition of bold innovation and unceasing improvement, culminating today in the market launch of the new Frutteto³ range. An intelligently structured family of specialist tractors, designed and developed specifically for orchard and vineyard applications and delivering a proactive response to the widest variety of needs. Thanks to the availability of orchard and vineyard versions with cab or specific platforms for different wheel sizes, with mechanical or electrohydraulic controls and with a broad range of equipment packages (LS and GS), Frutteto³ tractors are always capable of providing the ideal working configuration to maximize productivity in orchards and vineyards profitably and professionally.

Due to their extraordinary compactness, the new front axle, and the new tapered support, the S and V “Hi-Steer” versions have a significantly reduced turning circle, assuring excellent handling and manoeuvrability, even in the most confined spaces and on the narrowest headlands.



Frutteto³ S/V “Hi-Steer” range. Handling, agility and stability tailored for the job



The S and V “Hi-Steer” versions mount a new front axle support shaped to ensure robustness and a high steering angle.



New, lower-tapered hood profile further improves steering angle.



Automatic four-wheel drive control with steering angle sensor, for reduced turning circle.

Systems optimised for maximum compactness in the steering area.

Grip and manoeuvrability

A tight steering angle and short wheel-base make these specialist tractors easy to manoeuvre even on the narrowest headlands. Thanks to the low centre of gravity and correct weight distribution between front and rear axles, the reduced length of the machine does not affect stability on gradients. Outstanding traction even on the most difficult terrain: thanks to the AUTO 4WD system, the operator doesn't need to worry about engaging/disengaging four-wheel drive. The AUTO 4WD system performs this operation fully automatically (in accordance with the travel speed and steering angle) thereby eliminating repetitive operations and increasing comfort and productivity.



All you need is 3.4 metres

Tapered chassis, new streamlined hood profile and optimized axles and systems combine to ensure a steering angle with reduced turning circle of just 3.4 metres. Manoeuvrability is second to none, thanks to the adoption of hydraulic steering with an independent gear pump to ensure consistently light and responsive control under all conditions.



2-wheel drive axle



Pivoted 4WD axle (Frutteto³ S/V)



Suspended 4WD axle (Frutteto³)



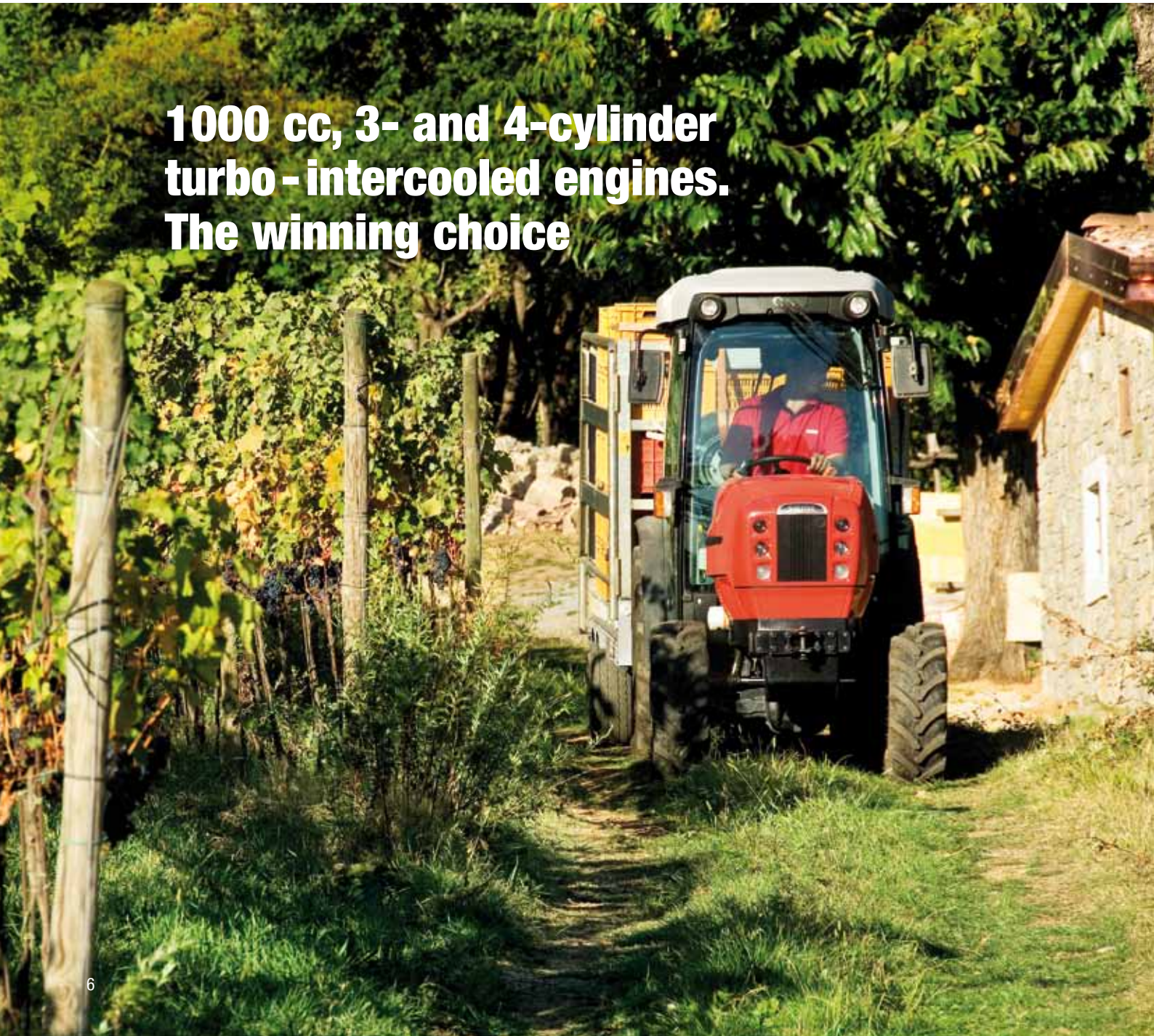
The heartbeat of the Frutteto³ range is provided by a series of next-generation engines developed and manufactured by SDF, which feature an innovative exhaust gas recirculation system ensuring compliance with Tier-3 emission standards.

Displacement per cylinder: 1000 cc, in 3-cylinder configuration with turbo-intercooler producing 82 HP and 4-cylinder configuration with turbo-intercooler

producing 85 or 96 HP. With this type of diversified offering, prospective users can gear their selection to favour compactness or horsepower, depending on their own specific needs. In the specialist tractor segment, displacement of one litre per cylinder represents a “win-win compromise” compared to traditional alternatives. These include “fractional” horsepower engines on the one hand, with displacement per cyl-

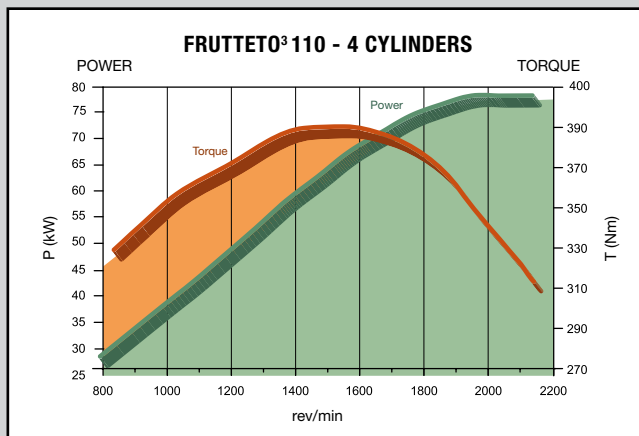
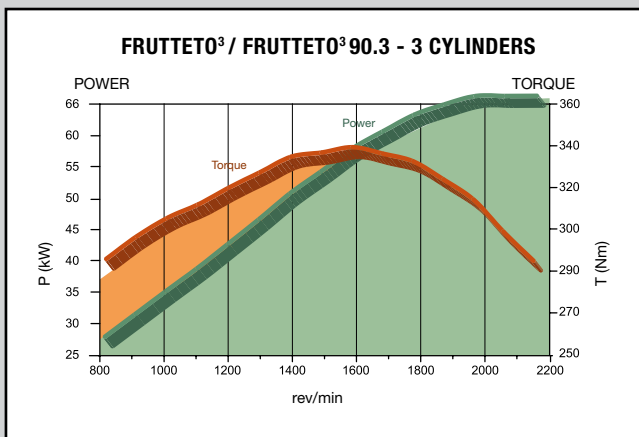
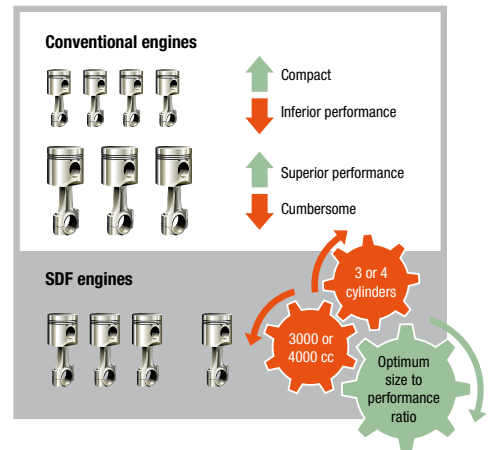
inder of less than 1000 cc – compact but short on power – and “conventional” engines with displacement per cylinder of more than 1000 cc, which offer higher performance but are too bulky for specialist applications, and are therefore available only in 3-cylinder versions. Frutteto³ engines are intercooled. The intake air flow from the turbocharger is cooled before entering the cylinder, thus increasing oxygen

1000 cc, 3- and 4-cylinder turbo - intercooled engines. The winning choice

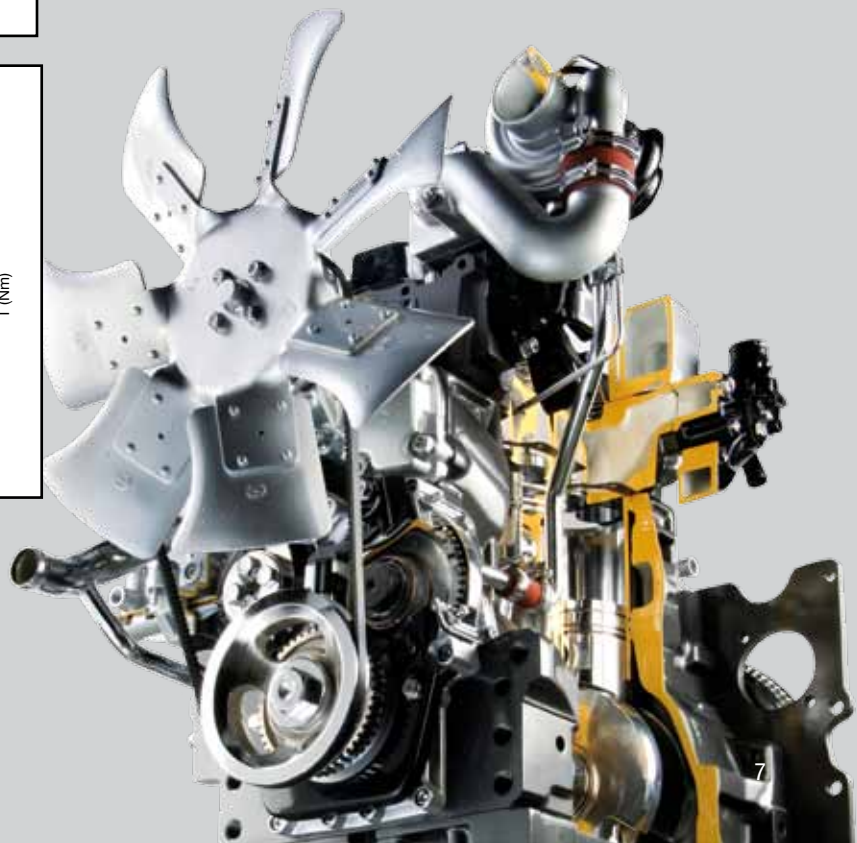


levels and improving combustion. This gives a considerable boost in engine power, reduces fuel consumption and lowers the running temperature of the engine. Another unique feature is the exclusive SDF fuel injection system, which uses an individual injection pump for each cylinder and is significantly more advanced than systems using rotary pumps. The SDF system guarantees a particularly high operat-

ing pressure (1400 bar) and instant injection, which is governed by a load-monitoring electronic control unit, optimizing performance and fuel consumption. The operator can also select and save a given engine speed at the touch of a button in the cab, which will be maintained constant by the control unit, under changing load conditions, for a consistent and uniform work rate.



High-pressure injection and electronic engine management. A state-of-the-art technical solution





Down with fuel consumption, up with performance

All the engines are equipped with hydraulic tappet lifters for precise injection timing.

When the oil is cold, these tappets lift the plunger marginally to advance the injection, eliminating white exhaust smoke and optimizing efficiency right from the outset. All components housed in the engine compartment (radiators, fans, pipelines, filters etc.) are designed for maximum functional efficiency, to allow routine maintenance and major servicing operations.

Particular attention is given to achieving the best practical overall size, given that ultra-compact dimensions

are a key requirement for a machine designed to operate in extremely tight spaces.

The coolant radiator, oil cooler and intercooler cores are all aluminium, to ensure better heat dissipation than with copper and brass; the assembly is compact, as well as being quick and easy to clean, even in the field. A recess created in the fuel tank houses the air cleaner, which is equipped with a dust extractor that captures and ejects the heavier particles passing through the filter. There is also the option of an auxiliary fuel tank under the platform, providing additional fuel capacity

without adding to the dimensions of the tractor (ground clearance remains unchanged). All models are fitted with a transmission oil cooler as standard, to keep the driveline at the correct operating temperature even under punishing conditions. Also installed neatly under the hood are the engine oil filter and fuel pre-filter. The latter has a water separator allowing removal of any residual moisture in the fuel system, and an efficient exhaust silencer that reduces noise levels and can be configured either horizontally, with the tailpipe beneath the platform, or vertically.



SDF 100% Biodiesel Engines

Thanks to their unique design features and use of quality materials in construction, the engines of Frutteto³ tractors are not only functional but also totally compatible with biodiesel, allowing blend ratios of up to 100% (biodiesel to EN 14214:2003 specifications). Biodiesel typically has a higher viscosity than other engine fuels and is chemically more aggressive, but SDF engines are equipped with a special fuel injection system utilizing oil lubricated pumps – one to each single injector – and a fuel line system with components manufactured from special materials. They can therefore run on these new fuels without difficulty.



Frutteto³ transmission systems.

Superior technology for row-crop work



The transmission systems of the Frutteto³, Frutteto³ S “Hi-Steer” and Frutteto³ V “Hi-Steer” are born from SDF’s long experience in the design and ongoing development of transmission systems for specialist applications, capable of meeting the new and increasingly specific requirements of its customers, year in year out.

VERSIONS	LS	GS
Transmission	30+15 - 45+45 OVERSPEED	30+15 - 45+45 OVERSPEED
Clutch	Mechanical	Hydraulic SENSE CLUTCH
Shuttle	Mechanical	Hydraulic
Power take-off	Hydraulic P.T.O.	Hydraulic P.T.O.

Versatility and effectiveness are the two main features of SAME Frutteto³ tractors, which have a transmission providing up to 3 ranges (with creeper) and 5 gear speeds with 3 Powershift ratios, to give a total of 45 forward and 45 reverse speeds. For a more traditional driving style, there is a 30+15 mechanical transmission, which is easy to use and no less functional.

On models with POWERSHIFT, you can select a slightly higher or lower gear instantaneously, without using the clutch pedal, adjusting ground speed to suit conditions: this has the effect of adapting to variations in load while maintaining an optimum engine speed. In addition, and for ultimate comfort, the gears can be shifted smoothly and effortlessly using the COMFORT CLUTCH – a pushbutton control on the gear lever – without having to depress the clutch pedal.

But that’s not all... For maximum efficiency, Frutteto³ tractors can be equipped

with OVERSPEED, a gearbox in which the ratios are spread to give a potential top speed of 50 km/h, limited electronically to 40 km/h for legal reasons.

In practical terms, this means that the tractor can be driven on the road at 40 km/h either in economy mode (staying in top gear), or exploiting the full performance capabilities of the engine, using a lower ratio.

The slower engine rpm significantly reduces fuel consumption whilst maintaining engine horsepower output at an rpm close to that of the maximum rated torque. These factors combine to produce an optimum power curve, reduced fuel consumption and superior driving comfort, thanks to reduced noise and vibration levels.

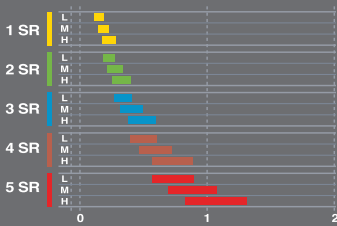
The ability of the OVERSPEED transmission to reach the top speed of 40 km/h is unaffected by tyre size, thus significantly increasing comfort and efficiency when driving on the road, with or without a load. Top-spec versions are also

available with a Powershuttle, equipped with dedicated forward and reverse clutches immersed in oil (for longer life and reliability). The system incorporates an electronic control unit allowing shift-on-the-go operation up to 10 km/h, safeguarding the component driveline. The Powershuttle can be used to change direction in all gears, saving time during manoeuvres and return passes. Located beneath the steering wheel, the shuttle lever is ergonomic and easy to use.

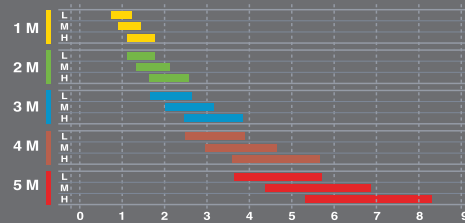
It also has a “neutral” position and will function only when enabled, to ensure total operational safety. The steering wheel and shuttle lever assembly is height-adjustable to suit the stature and preferences of the operator. Along with the Powershuttle, SAME offers an important technological innovation: STOP&GO.

Ground speed in km/h

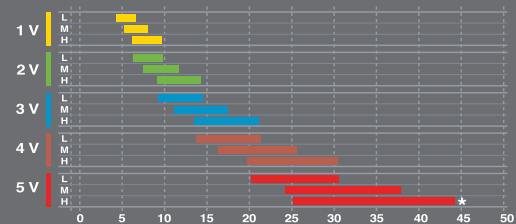
Creeper range



Low range



High range



(*) maximum speed limited to 40km/h in economy mode



This system complements the operation of the shuttle, providing the operator with a higher level of manoeuvrability, especially when the tractor drive has to pause and then re-engage drive at various times, such as when operating a front loader, hitching implements, or moving off on gradients.



With STOP&GO, the drive of the tractor can be controlled using only the brake pedals, with no need to operate the clutch pedal.

The system is managed by an electronic control unit that processes the data received from the shuttle lever on

the steering column, from the braking system, and from a sensor located at the back of the gearbox that monitors the ground speed of the tractor. Controlling the operation of solenoid valves from the signal input, the control unit will allow the tractor to move off, or pause the shuttle manoeuvre temporarily, without the need for the clutch pedal to be used.

In practice, when the brake pedals are depressed, the tractor stops and the system will simultaneously put the operation of the shuttle "on hold". Releasing the brake pedals, the shuttle is re-enabled by the STOP&GO controller, which ensures modulated engagement of the required clutch pack (forward or reverse drive), and the machine will move off again positively and smoothly. This feature makes the tractor unique in operation when manoeuvring, as well as safe, reliable and comfortable to operate.





Infinitely flexible hydraulics

In specialist machines, it is essential to have a hydraulic system that will accommodate different types of implements, while guaranteeing superior lifting capacity, high oil flow rate, and great flexibility in terms of the number and positioning of spool valves.

The hydraulic system used on Frutto³ machines can be equipped with a single pump or with a tandem (dual) pump, rated up to 58 l/min. This selection extends the options available to the operator. As regards the number of spool valves installed, there are various options for differing requirements.

Rear spool valves

Up to 3 double-acting (6-way) valves, with flow regulator, and the further option of 2 detent locking spools and one float.

Mid-tractor spool valves

With up to 4 duplicate couplings (connected from rear) with option of: 2 additional mechanical spool valves (4-way) for mid tractor applications, or 3 additional electrohydraulic spool valves (6-way) with separate flow regulator controlled from a joystick on the right hand console.



Always equal to your needs

The rear hitch, the geometry and construction of the linkage and the durability of the components combine to guarantee a lifting capacity capable of handling the most demanding tasks. The mechanical hitch is efficient and easy to use, with the alternative option for work demanding a high level of accuracy is the electronic rear hitch, which ensures implement control with absolute precision. Designed with built-in strength, the rear hitch of Frutteto³ tractors has a rated lift capacity of 3000 kg.

Implement hitching is made easier by duplicate hitch controls on the rear fenders. For drivers needing to operate front-mounted implements, Frutteto³ models can be provided with a front hitch (rated lift capacity 1500kg) and front P.T.O. operating at 1000 rpm: an attachment that further enhances to the versatility of the Frutteto³, by providing a quick hitch carrier for the

front ballast weight. The Frutteto³ is extremely versatile in the power take-off department too: oil-immersed multi disc clutch, 540/1000/540 economy speeds, and ground speed P.T.O. This choice of operating speed ensures maximum power and reliability in spraying operations, as well as reduced fuel consumption for side shoot removal and inter-row cultivation.

There is also ground speed P.T.O., for use with drive-axle trailers on steep inclines. The power-take-off is extremely simple to operate: the push-button controlling the clutch (electrohydraulically operated) has modulated activation (to avoid jerking and snatching), whilst the selected speed is indicated by a dedicated display on the digital instrument panel.



Four disc brakes that you can use one at a time

Each wheel hub mounts a hydrostatically operated, oil-immersed disc brake. This feature ensures optimum four-wheel braking, especially on hillsides and when using mounted implements. The system incorporates a “Separate Brakes” valve allowing 3 different modes of operation: all four brakes applied, for maximum safety during transport duties; applying only the left or right side brakes, (enabled by unlatching the two brake pedals and using either the left or right); significantly reduces the normal turning circle and assisting manoeuvres in tight spaces; applying one wheel brake only (rear left or right), obtainable by positioning the Separate Brakes valve control handle to by-pass the front brakes; this will significantly reduce soil disturbance caused when the inner front wheel is locked during turning.

Positive drive performance

With four-wheel drive and electrohydraulically operated front and rear differential locks, performance and traction efficiency are guaranteed in all conditions. A slight touch on the brake pedal, and the differentials will unlock.







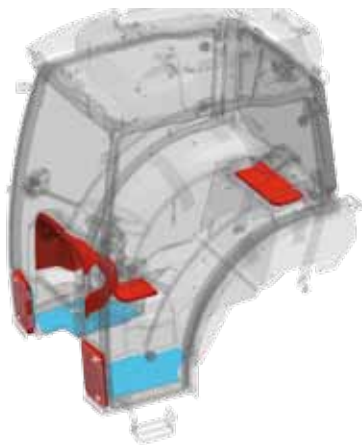
Comfort and practicality in abundance

Frutteto³ can be equipped with a 28" cab and 2 platform configurations suspended on silentblock mounts, depending on the tyres; both platforms are wide but with height at fenders of 28" and 24" respectively. Frutteto³ S is available with 2 platform configurations suspended on silentblock mounts, depending on the tyres: one measuring 28" and the other 20" in width.

The narrower platform can still accommodate 24" tyres, giving the machine a low profile, but with plenty of internal space, increased visibility due to the large area of window glass, and a more compact cab outline that is gentler on foliage and hanging fruit.

The "all glass" structure with 4 narrow uprights and one-piece windscreen (no centre rail), guarantees perfect all round visibility, as well as maximum width at the waistline, and contributes to more effective pressurization of the enclosure. The use of new sound-insulating,

anti-vibration panels, combined with other technical enhancements, such as the viscostatic joint on the cooling fan for reducing engine noise, ensure extremely high levels of in-cab comfort. The driving position and all the controls are ergonomically designed, with intuitive colour coded functions. The cab roof also has the same streamlined styling as the engine hood, with no sharp edges, so that it can slip easily between hanging branches without



damaging fruit and foliage.

The roof lining houses the powerful climate control system, which is now equipped with a new condenser and a new cover that further boosts efficiency levels, thanks to the improved positioning of the numerous adjustable vents, which provide uniform distribution of treated air throughout the cab. The two activated carbon filters are easily removed from their side housing for rapid and practical servicing.

The new SAME cab. A quiet environment with a perfect climate



Developed by SAME specifically for this power segment, the new cabs of the Frutteto³ range have been additionally refined, and set new standards of comfort, ergonomics, functionality and style, to make your daily work more relaxing and more profitable.



Frutteto³ range. More comfortable by a country mile

Special attention has been paid to minimizing the level of noise expected by the operator, with the introduction of special window glass, and efficient sound-absorbent materials for the engine compartment. Optional extras include an air suspension seat, and a hi-fi system. In short, everything you need to make life comfortable, while ensuring the correct working position in relation to the controls throughout the working day.





Frutteto³ V “Hi-Steer”. **A specialist among specialists**

Completing the new Frutteto³ range is a special version of the Frutteto³ S “Hi-Steer”, identified by the letter “V”. Frutteto³ V “Hi-Steer” is available with cab or with a 20” platform, and with the lowest, narrowest profile in the range, is the specialist among specialists - a true champion of agility and versatility.



Frutteto³ 80 | 90 | 100 | 110

Cab	Platform	Tyres				Width max mm		Height at hood mm	Height at dashboard mm	Height at fenders mm	Height at cab roof with AC mm	Ground clearance mm
		Front		Rear		Front	Rear					
		Dimension	Front LR	Dimension	Rear LR							
28"	28" High	280/70 R20"	411	380/70 R28"	585	1590	1585	1330	1340	1345	2335	265
		300/70 R20"	428	420/70 R28"	609	1605	1625	1350	1360	1365	2360	280
		280/70 R20"	411	16.9 R24" 420/85 R24"	591	1590	1640	1335	1345	1350	2340	265
		7.50 R20"	422	13.6 R28" 340/85 R28"	595	1420	1430	1340	1350	1355	2345	275
		9.5 R20" 250/85 R20"	436	14.9 R28" 380/85 R28"	615	1560	1565	1360	1370	1375	2365	290
	24" Low	240/70 R16"	331	380/70 R20"	478	1500	1540	1240	1250	1165	2235	185
		280/70 R16"	358	360/70 R24"	516	1460	1465	1270	1280	1205	2270	210
		280/70 R16"	358	380/70 R24"	538	1535	1540	1280	1290	1225	2290	210
		280/70 R18"	383	420/70 R24"	563	1610	1615	1305	1315	1250	2315	235
		280/70 R18"	383	14.9 R24" 380/85 R24"	563	1610	1600	1305	1315	1250	2315	235

Data and measurements subject to change depending on make of tyre.
 *LR = loaded radius (Continental)



**Frutteto³ range.
 Whichever you choose,
 you're choosing the best**




Frutteto³ S/V “Hi-Steer”

80 | 90.3 | 90 | 100 | 110

Platform / Cab	Tyres				Width max mm		Height at hood mm	Height at dashboard mm	Height at fenders mm	Height at cab roof with AC mm	Ground clearance mm
	Front		Rear		Front	Rear					
	Dimension	Front LR	Dimension	Rear LR							
28” High	280/70 R18”	383	380/70 R28”	585	1380	1375	1370	1375	1345	2350	240
	280/70 R18”	383	420/70 R28”	609	1470	1515	1380	1385	1370	2370	240
	280/70 R16”	358	420/70 R24”	563	1460	1460	1345	1355	1325	2325	215
	7.50 R16”	370	12.4 R28 320/85 R28”	578	1260	1265	1360	1365	1340	2345	230
20” Low	240/70 R16”	331	360/70 R24”	516	1365	1365	1310	1315	1160	2285	190
	260/70 R16”	345	380/70 R24”	538	1380	1390	1330	1335	1180	2305	200
	6.50 R16”	360	12.4 R24” 320/85 R24”	530	1250	1265	1335	1340	1170	2300	215
V “Hi-Steer”	260/70 R16”	345	320/70 R24”	505	1225	1215	1130	1135	1140	2280	200
	240/70 R16”	331	380/70 R20”	478	1290	1290	1295	1300	1115	2250	190
	280/60 R15.5”	325	360/60 R24” G	502	1265	1295	1300	1305	1145	2270	180
	6.50 R16”	360	11.2 R24” 280/85 R24” G	497	1140	1160	1140	1140	1130	2275	215
	27x10.5 R15”	323	41x14 R20” G	465	1390	1390	1285	1290	1100	2240	180

Data and measurements subject to change depending on make of tyre.
*LR = loaded radius (Continental)





**The keywords:
practicality and simplicity
of maintenance**

Ease of maintenance is immediately apparent: the one-piece rear hinged hood is lifted with minimal effort and held in the raised position by a hinge mechanism. This allows easy and immediate access to the engine, so you can quickly top up the coolant or clean or change the air filter, and to the radiator and coolers, which are equipped with a fly-screen that traps dust and other foreign matter, making general maintenance that much more simple.

In an easily accessible position on the right-hand side, you will find all the engine maintenance points and the oil filter, and you can check the oil level without lifting the hood. To save you time, the engine and transmission have been designed for extra long oil-change intervals: 300 hours for the engine oil, and 1200 hours for the transmission oil. The cab filters are easy to access with no tools required, to keep air quality in the cab at the highest levels.



For maximum ease of maintenance, the radiators are equipped with a fly-screen that traps dust and other particles.



Topping up the coolant is safe and simple.



Easy access to the engine air filter makes maintenance work quick and trouble-free.



You can check the oil level without lifting the hood or removing the side panels.



The external cab air filter is easy to access without tools.



The internal cab air filter is easy to access without tools.

TECHNICAL DATA

		FRUTTETO ³ 80	FRUTTETO ³ 90	FRUTTETO ³ 100	FRUTTETO ³ 110
Version		4WD	4WD	4WD	4WD
ENGINE		SDF 1000.3 WTI TIER III	SDF 1000.4 WTI TIER III	SDF 1000.4 WTI TIER III	SDF 1000.4 WTI TIER III
Cylinders / Displacement	n°/cm³	3/3000	4/4000	4/4000	4/4000
Air intake		Turbo/Intercooled			
Max. power (homologated to ECE 2000/25/CE)	HP/kW	82/60	85/63	96/71	106/78
Rated engine speed	rpm	2200	2200	2200	2000
Maximum torque	Nm	310	345	373	390
Speed at maximum torque	rpm	1600	1600	1600	1600
Cooling		liquid-oil			
Engine control (governor)		electronic			
Engine air filter		dry type with safety element and dust unloader			
Silencer under hood		lateral/vertical exhaust pipe			
Fuel tank capacity	Litres	55 with tank in front of engine 40 with auxiliary tank under platform			
DIMENSIONS and WEIGHTS (with rear tyres)		360/70R24	380/70R24	420/70R24	420/70R24
Max. length without link arms	mm	3186	3338	3363	3363
Width min-max	mm	1443-2012	1478-1988	1618-2018	1618-2018
Overall height at safety frame	mm	2228	2380	2405	2405
Height at hood	mm	1296	1318	1343	1343
Height at steering wheel	mm	1306	1328	1353	1353
Height at cab	mm	2267	2289	2314	2314
Ground clearance	mm	225	225	250	250
Wheelbase	mm	1990	2120	2120	2120
Front track width min-max	mm	1165-1442	1165-1442	1165-1516	1165-1516
Rear track width min-max	mm	1139-1637	1189-1589	1179-1579	1179-1579
Minimum turning radius without braking	mm	3900	4000	4000	4000
Weight with ROPS	kg	2500	2650	2650	2650
Weight with cab	kg	2720	3000	3000	3000

TRANSMISSION	
Gearshift clutch	with hydrostatic control
Synchronized 5-speed mechanical gearbox 3 ranges with creeper + mini-creeper (min. speed: 0.22 km/h)	30 FWD + 15 REV with Overspeed
Powershift gearbox (3-speed Powershift), 5-speed synchromesh x 3 ranges (with creeper) (min. speed 0.18 km/h)	45 FWD + 45 REV with Overspeed
Max. speed:	km/h with Overspeed, up to 50 km/h (limited by statutory regulations to 40 km/h) in both normal and economy modes
Shuttle	mechanical synchronized hydraulic with Stop&Go system
Rear differential lock	electrohydraulically operated
Lubrication	Pressure, with transmission oil cooler

P.T.O. REAR	
Clutch	oil-immersed multi-disc clutch
Speeds	rpm 540-540 ECO
	rpm 540-540 ECO-1000
Control	Ground speed PTO pushbutton electrohydraulic
P.T.O. FRONT	
Clutch	oil-immersed multi-disc clutch
Speeds	rpm 1000
Control	pushbutton electrohydraulic

BRAKES AND STEERING	
Brakes	all-wheel, with oil-immersed discs on each hub, hydrostatically operated
Parking brake	independent
Trailer brake	hydraulic braking valve
Hydrostatic power steering	independent pump with adjustable steering wheel
Steering angle	4WD 55°

HYDRAULIC LIFT	
Rear lift	mechanical electronic
Max. lifting capacity	kg 3000
Pump flow rate	l/min. 54
Hydraulic circuit with dual pump	l/min. 33+25
Auxiliary remote valves	n° ports 6 with flow regulator 4 mid ports, mechanically or electrohydraulically operated
3-point linkage (lift arms + top link)	fixed linkage balls auto-hitch
RH lift rod and stabilizers	mechanical hydraulic
Front lift	Integrated maximum lifting capacity 1500 kg quick-fit ballast weight - 250 kg
OPERATOR POSITION	
Platform	mounted on silent-blocks
ROPS (roll bar)	folding
Cab	SDF original design, sound-insulated and pressurized, with 4 uprights, rear screen wiper, 4 work lights, activated carbon air filter, external rear view mirrors
Instrumentation	digital display mechanically adjustable, with safety belt
Driver seat	with air suspension and safety belt

POWERSHIFT WITH OVERSPEED GIVING 45 FWD + 45 REV – SPEEDS IN KM/H AT 2200 ENGINE RPM, WITH 420/70 R24 REAR TYRES															
	CRP 1	CRP 2	CRP 3	CRP 4	CRP 5	L 1	L 2	L 3	L 4	L 5	H 1	H 2	H 3	H 4	H 5
LOW	0.18	0.28	0.40	0.59	0.87	1.27	1.72	2.54	3.75	5.53	7.76	9.43	14.01	20.64	30.48
MEDIUM	0.22	0.32	0.48	0.71	1.05	1.41	2.05	3.05	4.50	6.46	8.05	11.31	16.81	24.77	36.57
HIGH	0.27	0.39	0.58	0.86	1.17	1.71	2.49	3.70	5.45	6.64	9.41	13.71	20.38	30.03	44.33*

The above specifications refer to tractors with all available equipment. For standard equipment and options, refer to the current price list and ask your local dealer for details.

* TOP SPEED LIMITED BY LAW TO 40 KM/H IN ECONOMY MODE
NOTE: THE REVERSING SPEEDS ARE SLIGHTLY SLOWER THAN THE CORRESPONDING FORWARD SPEEDS FOR THE 30+15 GEARBOX, THE REVERSING SPEEDS ARE SLIGHTLY SLOWER THAN THE SPEEDS WITHOUT CREEPER.

TECHNICAL DATA

	Version	FRUTTETO ³ S/V 80	FRUTTETO ³ S/V 90.3	FRUTTETO ³ S/V 90		FRUTTETO ³ S/V 100	FRUTTETO ³ S/V 110
		4WD	4WD	2WD	4WD	4WD	4WD
ENGINE		SDF 1000.3 WTI TIER III	SDF 1000.3 WTI TIER III	SDF 1000.4 WTI TIER III		SDF 1000.4 WTI TIER III	SDF 1000.4 WTI TIER III
Cylinders / Displacement	n°/cm³	3/3000	3/3000	4/4000		4/4000	4/4000
Air intake		Turbo/Intercooled					
Max. power (homologated to ECE 2000/25/CE)	HP/kW	82/60	90/66	85/63		96/71	106/78
Rated engine speed	rpm	2200	2200	2200		2200	2000
Maximum torque	Nm	310	340	345		373	390
Speed at maximum torque	rpm	1600	1600	1600		1600	1600
Cooling		liquid-oil					
Engine control (governor)		electronic					
Engine air filter		dry type with safety element and dust unloader					
Silencer under hood		lateral/vertical exhaust pipe					
Fuel tank capacity	Litres	55 with tank in front of engine 40 with auxiliary tank under platform					
DIMENSIONS and WEIGHTS (with rear tyres)		360/70 R24	360/70 R24	380/70 R24		420/70 R24	420/70 R24
Max. length without link arms	mm	3186	3186	3338	3338	3363	3363
Width min-max	mm	1314-1813	1314-1813	1391-1888	1391-1873	1461-1911	1461-1911
Overall height at safety frame	mm	2228	2228	2380	2380	2405	2405
Height at hood	mm	1296	1296	1318	1318	1343	1343
Height at steering wheel	mm	1306	1306	1328	1328	1353	1353
Max. Height at fenders	mm	1161	1161	1183	1183	1323	1323
Max. Height at cab	mm	2303	2303	2325	2325	2350	2350
Ground clearance	mm	234	234	280	252	260	260
Wheelbase	mm	2027	2027	2100	2157	2157	2157
Front track width min-max	mm	985-1270	985-1270	1070	1034-1270	1088-1324	1088-1324
Rear track width min-max	mm	982-1489	982-1489	992-1489	992-1489	1022-1520	1022-1520
Minimum turning radius without braking	mm	3400	3400	3340	3500	3600	3600
Weight with ROPS	kg	2450	2450	2400	2590	2650	2650
Weight with cab	kg	2600	2600	2560	2740	2800	2800

TRANSMISSION

Gearshift clutch		with hydrostatic control
Synchronized 5-speed mechanical gearbox 3 ranges with creeper + mini-creeper (min. speed: 0.22 km/h)		30 FWD + 15 REV with Overspeed
Powershift gearbox (3-speed Powershift), 5-speed synchromesh x 3 ranges (with creeper) (min. speed 0.18 km/h)		45 FWD + 45 REV with Overspeed
Max. speed:	km/h	with Overspeed, up to 50 km/h (limited by statutory regulations to 40 km/h) in both normal and economy modes
Shuttle		mechanical synchronized hydraulic with Stop&Go system
Rear differential lock		electrohydraulically operated
Lubrication		Pressure, with transmission oil cooler

P.T.O. REAR

Clutch		oil-immersed multi-disc clutch
Speeds	rpm	540-540 ECO
	rpm	540-540 ECO-1000
		Ground speed PTO
Control		pushbutton electrohydraulic

P.T.O. FRONT

Clutch		oil-immersed multi-disc clutch
Speeds	rpm	1000
Control		pushbutton electrohydraulic

BRAKES AND STEERING

Brakes		all-wheel, with oil-immersed discs on each hub, hydrostatically operated
Parking brake		independent
Trailer brake		hydraulic braking valve
Hydrostatic power steering		independent pump with adjustable steering wheel
Steering angle	2WD	70°
	4WD	60°

FRONT AXLE

Differential and 4WD engagement		electrohydraulically operated
Front differential lock		electrohydraulically operated
Front fenders		fixed
Control		pushbutton electrohydraulic

HYDRAULIC LIFT

Rear lift		mechanical electronic
Max. lifting capacity	kg	3000
Pump flow rate	l/min.	54
Hydraulic circuit with dual pump	l/min.	33+25
Auxiliary remote valves	n° ports	6 with flow regulator 4 mid ports, mechanically or electrohydraulically operated
3-point linkage (lift links + top link)		auto-hitch fixed linkage balls
RH lift rod and stabilizers		mechanical hydraulic
Front lift		Integrated maximum lifting capacity 1500 kg quick-fit ballast weight - 250 kg

OPERATOR POSITION

Platform		mounted on silent-blocks
ROPS (roll bar)		folding
Cab		SDF original design, sound-insulated and pressurized, with 4 posts, rear screen wiper, 4 work lights, activated carbon air filter, external rear view mirrors
Instrumentation		digital display
Driver seat		mechanically adjustable, with safety belt with air suspension and safety belt

POWERSHIFT WITH OVERSPEED GIVING 45 FWD + 45 REV – SPEEDS IN KM/H AT 2200 ENGINE RPM, WITH 420/70 R24 REAR TYRES

	CRP 1	CRP 2	CRP 3	CRP 4	CRP 5	L 1	L 2	L 3	L 4	L 5	H 1	H 2	H 3	H 4	H 5
LOW	0.18	0.28	0.40	0.59	0.87	1.27	1.72	2.54	3.75	5.53	7.76	9.43	14.01	20.64	30.48
MEDIUM	0.22	0.32	0.48	0.71	1.05	1.41	2.05	3.05	4.50	6.46	8.05	11.31	16.81	24.77	36.57
HIGH	0.27	0.39	0.58	0.86	1.17	1.71	2.49	3.70	5.45	6.64	9.41	13.71	20.38	30.03	44.33*

The above specifications refer to tractors with all available equipment. For standard equipment and options, refer to the current price list and ask your local dealer for details.

* TOP SPEED LIMITED BY LAW TO 40 KM/H IN ECONOMY MODE
NOTE: THE REVERSING SPEEDS ARE SLIGHTLY SLOWER THAN THE CORRESPONDING FORWARD SPEEDS
FOR THE 30+15 GEARBOX, THE REVERSING SPEEDS ARE SLIGHTLY SLOWER THAN THE SPEEDS WITHOUT CREEPER.



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SAME DEUTZ-FAHR GROUP S.p.A. _ Viale Cassani, 14 _ 24047 _ Treviglio (BG) _ Italy _ Ph: +39 0363 4211 _ www.samedeutz-fahr.com

SAME DEUTZ-FAHR U.K. LTD. _ Barby Lane, Barby, Nr Rugby _ CV23 8TD _ WARWICKSHIRE _ UK _ www.same-tractors.com