

SILVER 85-95-105-110



www.same-tractors.com



SAME[®]

Rely on us.

REVOLUTION ON THE MOVE.

UNMISTAKABLE ON ANY TERRAIN.

Even at first glance, the Silver range suggests a whole new departure for medium power tractors. Viewed from any angle, its solid and streamlined look exudes strength and agility. The hand of designer Giugiaro is clearly evident, with his distinctive blend of the contemporary and the functional.

From the steeply raked bonnet, which ensures maximum forward visibility in the field and on the road, to the technical characteristics that make the Silver the ideal multifunction machine for medium-large farms, as well as a general-purpose tractor for agricultural contractors for all cultivation or crop treatment jobs. Innovative technologies, such as the AGROSHIFT gearbox, electronic linkage control with radar (opt.) and the SBA (opt.) traction control system, boost productivity by making the Silver perform even better.

In open platform and cabbed versions, in the field or in the farmyard, the Silver offers outstanding ease-of-use and manoeuvrability, enhancing its role as a versatile, multipurpose tractor.

But in order to appreciate fully all the qualities of the new Silver, you really have to climb on board and see for yourself.



AN EXTREMELY FUNCTIONAL DESIGN.

COMFORT THAT DOMINATES THE FIELD.

Try the anatomically-contoured and air sprung driver's seat (opt.), which is fully adjustable and able to absorb every bump in the ground: you'll begin to understand that it is possible to work long hours behind the wheel without paying the price in discomfort. Now take a look at the console and see how all the instruments are clearly visible and how the controls are all within easy reach. Imagine you're going to be out working in subzero temperatures or under a baking hot sun: now think of the relief of knowing you've got an air conditioner of the latest generation (opt.), one that can distribute air at exactly the right temperature throughout the cab to ensure that you always enjoy the ideal climate,

whatever the weather conditions outside. But what about the pleasures of working in peace and quiet? In the Silver cab, noise levels are kept below 86 dBA, thanks to the new quiet running SAME EURO II engine and the extensive use of sound insulation. The cab air suspension system (opt.) does the rest, reducing all vibration, impacts and oscillation to a minimum, even when travelling at low speed over the roughest terrain. Should you choose the "open space" version of the Silver, you can count on the protection afforded by strong, safe roll-bar. Now perhaps you can begin to appreciate what SAME mean by comfort and safety.

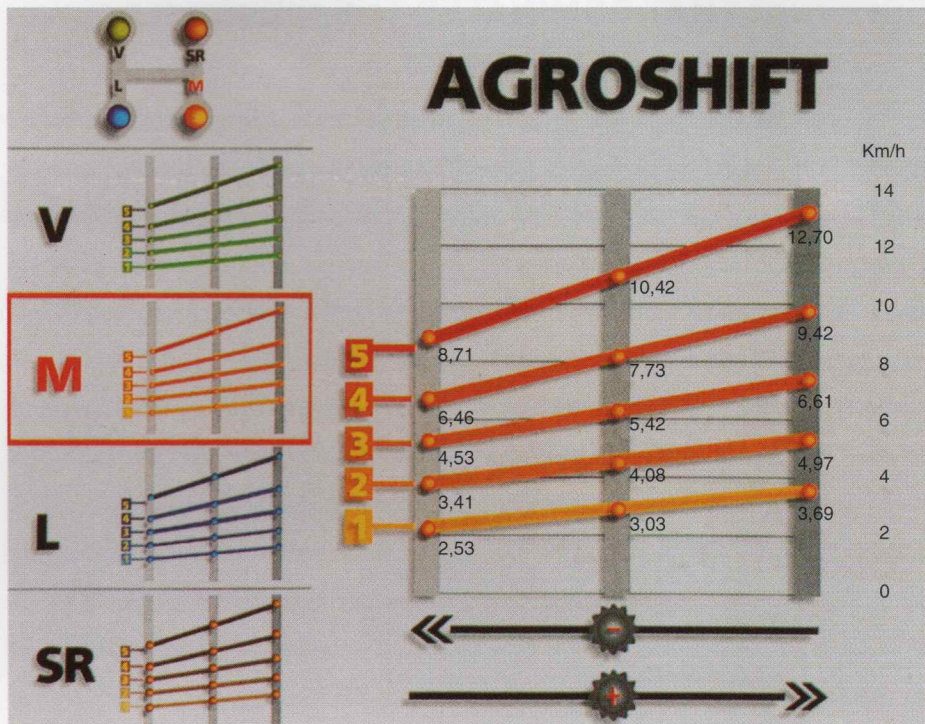


AGROSHIFT. PERFECT DIALOGUE BETWEEN MAN AND MACHINE.

THE RIGHT SPEED AND THE RIGHT POWER, WHATEVER THE CONDITIONS.

The AGROSHIFT transmission is designed to give you exactly the right ratio in any situation, never too high or too low for the job you're doing. **What's more, within each ratio you can shift under power up or down across a 3-speed range.**

This means that once you have selected the speed range best suited to the task in hand, you can trim your ground speed to suit changes in the required draft force simply by pressing a button on the shift lever, without once having to resort to use of the clutch pedal. All the forward gears are also available in reverse.



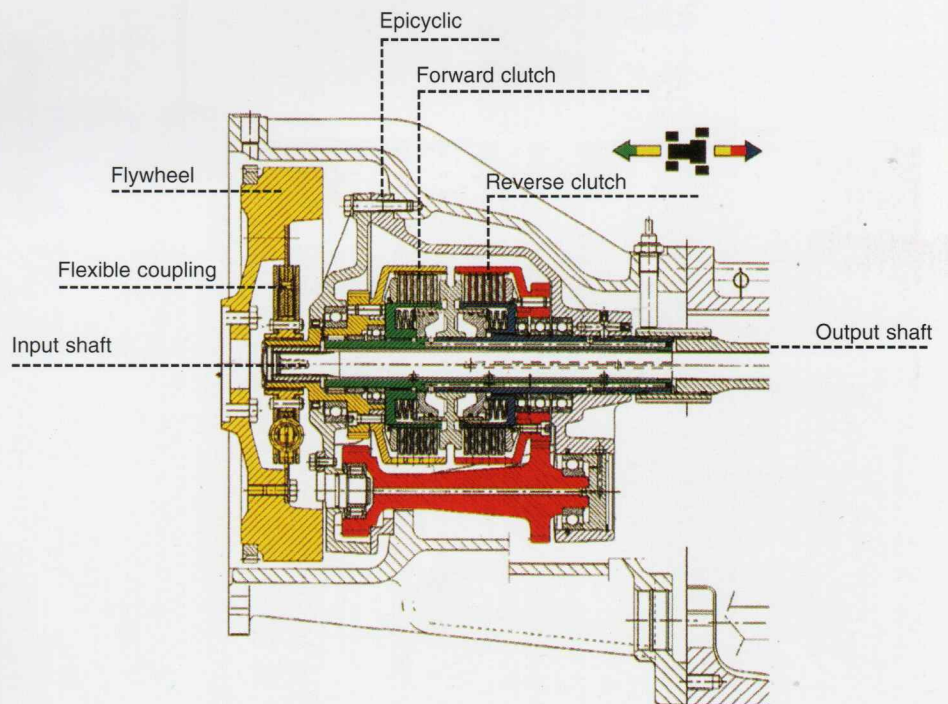
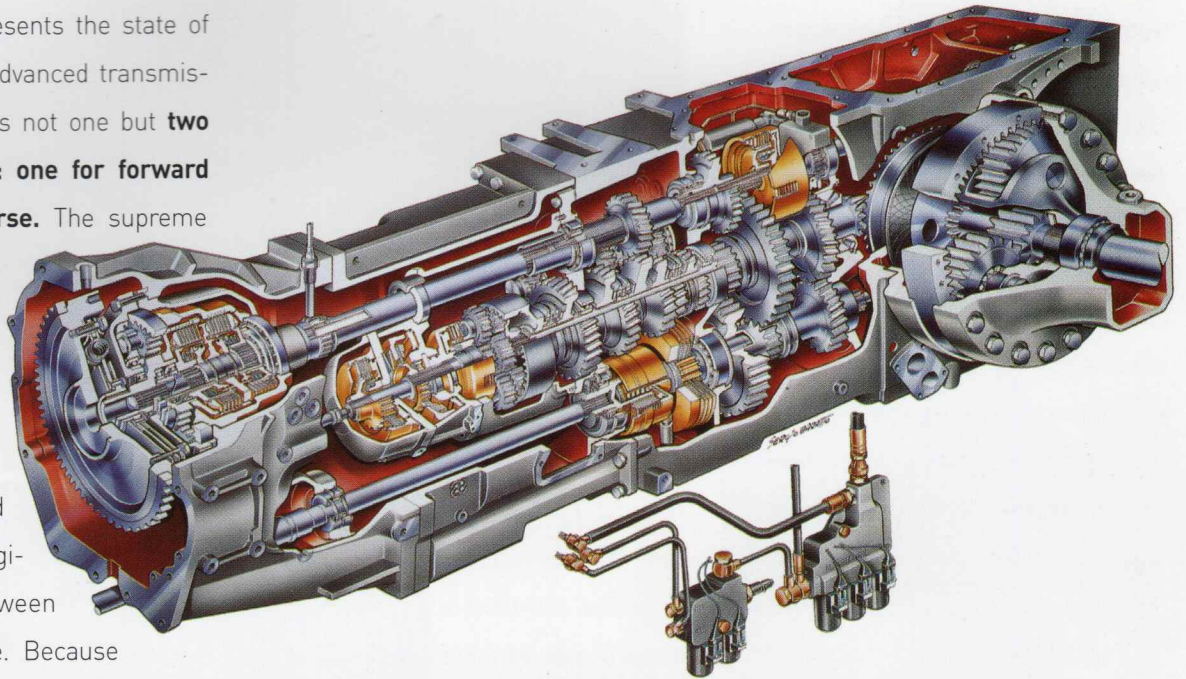
In other words, all the controls you need to operate the machine are right there at your fingertips, leaving you free to concentrate solely on your work.



HYDRIVE (OPT.). STATE-OF-THE-ART TECHNOLOGY WITHIN ARMS REACH.

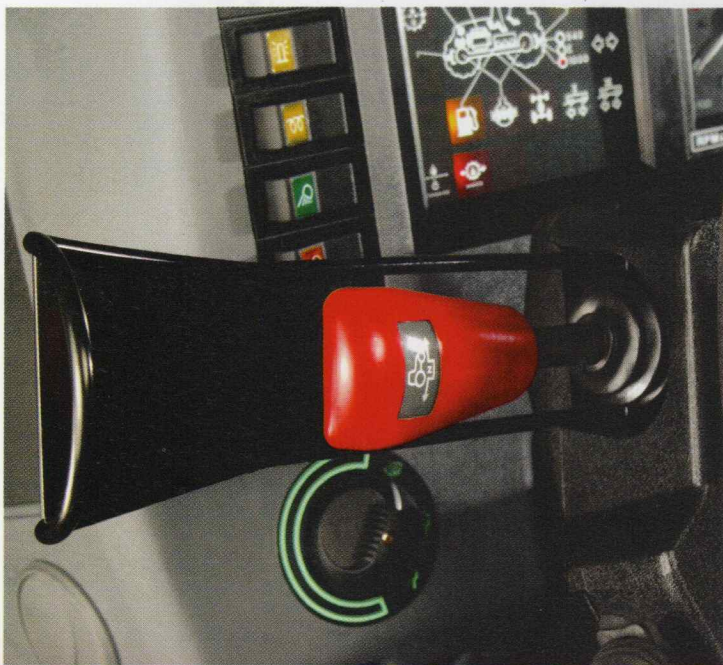
PERFECT MODULATION.

HYDRIVE (opt.) represents the state of the art as regards advanced transmission systems. It uses not one but **two multiplate clutches: one for forward drive, one for reverse.** The supreme advantage for you as the driver is that you now have no fewer than 60 speeds to choose from in either direction, and the smoothest imaginable change between forward and reverse. Because HYDRIVE is a gem of hi-tech electronics: to change from forward to reverse or vice versa, all you have to do is move **the control lever on the steering column.** You can even select a change of direction while on the move at speeds of up to 10 km/h, and the electronic control will respond immediately by decelerating smoothly and then moving off just as smoothly in the opposite direction. With no jolts or jerks either to the mechanical components or your back...



TWO CLUTCHES OF UNLIMITED DURABILITY.

With HYDRIVE you can forget all about the clutch. You can forget about the business of operating it - there's no need to use the conventional pedal, unless particularly close control is required during delicate manoeuvres - but, perhaps more importantly, you can forget about servicing it, because **the two oil-immersed "long-life" clutch assemblies are maintenance free** and will always continue to operate with perfect efficiency. And this is why the combination of the HYDRIVE shuttle and AGROSHIFT transmission affords exceptional standards of manoeuvrability, long term reliability and safety, while your Silver and your work reaps the benefits.



SBA AND ELECTRONIC LIFT (OPT.)

PERFECT RESULTS WITH ANY IMPLEMENT.

SILVER TAKES CHARGE OF YOUR EVERY REQUIREMENT.

The rear hydraulic lift offers you truly outstanding performance.

For example, an exclusive damping system eliminates implement bounce to give you peace of mind on the highway. And then the considerable structural strength of the frame gives the Silver a remarkable lifting capacity.

But that's just the start: **the advanced control system allows you to select the control best suited to the task in hand, combining any two of the three parameters: draft, position and wheelslip.**

The Silver is also equipped with a Power Take-Off that will drive any implement

designed to operate at the standard rotation speeds of 540 or 1000 rpm; these two speeds can also be selected in **economy mode**, which means in practice that the crankshaft speed is reduced to the minimum necessary to provide the effective power requirement, thus reducing fuel consumption and engine wear. The Silver can also be equipped with a groundspeed P.T.O. with independent shaft. And optional equipment also includes **a 1000 rpm front P.T.O. and a front lift, which is perfectly integrated in the tractor frame.**

This means you can carry out two or more operations simultaneously, thereby saving time, fuel and energy. And by making fewer passes, you can also reduce soil compaction.



ELECTRONICS: AN INVALUABLE FRIEND.

SAME has chosen electronics also for its implement control system (opt.).

A choice designed to guarantee you maximum precision and ease of use, with lift operations controlled by simple pushbuttons grouped together on an ergonomically-designed console. Furthermore, the Silver is the only medium-power tractor equipped with SBA, **the automatic four-wheel drive and differential lock control system patented by SAME.**

On selecting SBA, four-wheel drive is engaged and all the wheels continue to turn as one, until sensors detect traction conditions that necessitate disengagement of drive to the front

axle or release of the differential locks.

Now isn't that a good example of "friendly", practical electronics?

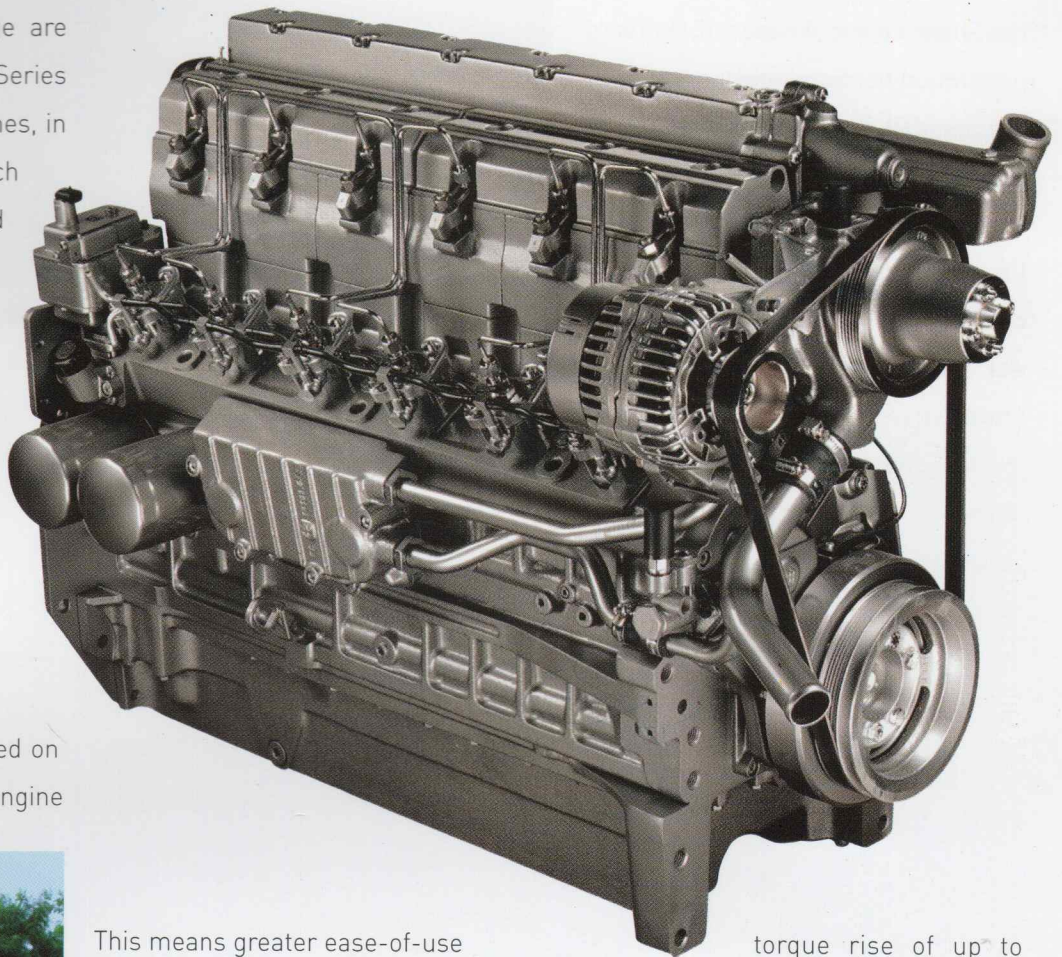


NEW SAME EURO II ENGINES.

The tractors in the Silver range are equipped with the new SAME Series 1000 water-cooled EURO II engines, in 4- or 6-cylinder versions, which have been totally redesigned and now feature a cleaner, more modern and functional external appearance.

The optional electronic engine management system optimises the fuel injection rate, guaranteeing stable performance in all working conditions, and maximum power is obtained at just 2300 rpm.

The hand throttle lever is mounted on the middle cab pillar, while an engine



speed memory button allows you to set, save and retrieve at any time the ideal engine speed for the job in hand.

This means greater ease-of-use and maximum freedom for the operator, who can thus concentrate more fully on manoeuvring tractor. With a



torque rise of up to 33%, the Silver offers levels of power and efficiency never before achieved in a medium power tractor, while keeping fuel consumption to a minimum.

Thanks to the "triple flow" radiator, the Silver can keep on working for hours on end without risk of overheating.

A significant advantage for the operator, and for SAME, yet another cause for pride.

THE ANSWER TO SO MANY QUESTIONS.

Versatility is the first quality that most users look for in a medium-power tractor. And versatility is ace in the Silver's pack. A range of standard production versions and horsepower ratings offer "customised" models to satisfy a multiplicity of different requirements.

Produced in **85, 95 and 110 HP 4-cylinder models, with the 6-cylinder 105 HP version** also available,

Silver offers performances adapted to any applications.

With their shorter wheelbase and compact dimensions, the 4-cylinder models are ideal for all farmyard



jobs and P.T.O. work, while the 6-cylinder models offer the best performance for drawbar applications, where their power can be exploited to the full.



CHOOSE A PARTNER THAT'S ALWAYS EFFICIENT.

TOTAL VERSATILITY ALREADY A REALITY.

By now you will have realised that you can count on the Silver to perform any kind of task, however demanding. In fact, there is virtually no end to the list of possible applications. But for SAME, total versatility goes well beyond the mere concept of "adapting to requirements", our aim is to provide the best of all possible solutions, whatever your needs.

Which also means the most efficient, and the most sturdy and the most dependable. The front lift has a capacity of 2000 kg at the link ends, while the 400 kg front ballast has a hydraulic hitch facility,

making it quick and easy to fit and remove. And with a top speed of 40 km/h on the road, the Silver loses no time getting from A to B. Naturally, such performance demands brakes to match. The four independent disc assemblies, immersed in oil for efficient cooling, ensure powerful, safe braking in all situations.

And if all this was not enough, there is the confidence that comes with owning a machine which is deservedly famous for its reliability and sturdy construction, and requires minimal servicing.



I.P. By the Marketing and Advertising Department - Cod. 306.8322.3.1 - 05/2004 Technical data and illustrations are approximations only. SAME, in its efforts to supply the product that you require, reserves the right to update this information at any time without notice.

TECHNICAL SPECIFICATIONS

Version	SILVER 85		SILVER 95		SILVER 105		SILVER 110	
	4WD	1000.4 WT EURO II	2WD	4WD	4WD	1000.6 W EURO II	4WD	1000.4 WTI EURO II
ENGINE SAME								
Cylinders/Displacement	n°/cm³	4/4000	4/4000	4/4000	6/6000	4/4000	4/4000	4/4000
Aspiration		Turbo	Turbo	Turbo	Natural	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler
Max. homologated power (ECE R24.03)	HP/kW	85/62,5	91/67	91/67	100/73,5	109/80	109/80	109/80
Max. homologated power (2000/25/CE)	HP/kW	90/66	96/70,5	96/70,5	102,5/75,5	114/84	114/84	114/84
Nominal engine speed	rpm	2300	2300	2300	2300	2300	2300	2300
Max. torque	Nm	344	367	367	391	395	395	395
Max. torque engine speed	rpm	1400-1600	1400-1600	1400-1600	1400-1600	1400-1600	1400-1600	1400-1600
Torque backup	%	32	32	32	33	19	19	19
Cooling					liquid-oil			
Engine control					mechanical			
Air cleaner					electronic			
Silencer underhood					dry with safety cartridge and dust ejector			
					with vertical exhaust			
					with exhaust on cab upright			
Fuel tank capacity	litres	150	150	150	175	150	150	150

DIMENSIONS AND WEIGHTS: (with rear tyres)		16.9 R 34		16.9 R 34		520/70 R 34		18.4 R 34	
Max. length without link arms	mm	3785	3785	3785	3785	3815	3815	3785	3785
Width min.- max.	mm	1940-2540	1940-2540	1940-2540	1940-2540	2120-2620	2120-2620	1940-2540	1940-2540
Max. height at cab	mm	2660	2660	2660	2660	2685	2685	2690	2690
Ground clearance	mm	460	515	460	460	485	485	460	460
Wheelbase	mm	2375	2470	2375	2375	2635	2635	2375	2375
Front track min.- max.	mm	1500-2100	1400-2000	1500-2100	1500-2100	1600-2100	1600-2100	1500-2100	1500-2100
Rear track min.- max.	mm	1500-2100	1500-2100	1500-2100	1500-2100	1600-2100	1600-2100	1500-2100	1500-2100
Minimum steering radius without braking	mm	4650	3600	4650	4650	4930	4930	4650	4650
Weight with safety frame	kg	3695	3270	3695	3695	3960	3960	3840	3840
Weight with cab	kg	4055	3630	4055	4055	4320	4320	4200	4200

TRANSMISSION	
Gearbox clutch	hydrostatically operated
Mechanical gearbox, 5 synchronised gears, 3 gear ranges (min. speed: 1.71 km/h)	15 FWD + 15 REV
Mechanical gearbox, 5 synchronised gears, 4 gear ranges (with creeper) (min. speed: 0.50 km/h)	20 FWD + 20 REV
AGROSHIFT gearbox (3 ratios under load) 5 synchronised gears, 3 ranges (min. speed: 1.17 km/h)	45 FWD + 45 REV
AGROSHIFT gearbox (3 ratios under load) 5 synchronised gears, 4 ranges (with creeper) (min. speed: 0.34 km/h)	60 FWD + 60 REV
Max. speed	km/h 40
Shuttle	mechanical, synchronised HYDRIVE system: double multidisc clutch in oil bath, electronically controlled with lever under steering wheel
Rear differential lock	electro-hydraulically operated
Lubrication	forced with transmission oil cooler

BRAKES AND STEERING	
Braking system	all wheel braking, discs in oil bath on all 4 wheels, hydrostatically operated
Parking brake	independent
Trailer braking	hydraulic braking valve pneumatic braking system
Hydrostatic steering	independent pump, adjustable steering wheel
Steering angle	2WD/4WD 70°/50°

FRONT AXLE	
Drive engagement	electro-hydraulically operated
Front differential lock	electro-hydraulically operated
Front ballast	SBA system: automatic front wheel drive disengagement and automatic diff lock release
Front mudguards	eight 40 kg case type weights fixed steering

Front P.T.O. (4WD versions only)	
Clutch	multiple discs in oil bath
Speed	rpm 1000
Operation	electro-hydraulically operated, push-button control

Rear P.T.O.	
Clutch	multiple discs in oil bath
Speed	rpm 540-540 ECON-1000-1000 ECON
Operation	Synchronised P.T.O. with independent output shaft electro-hydraulically operated, push-button control

HYDRAULIC LIFT	
Rear power lift	mechanical electronically controlled with radar and performance monitor
Maximum lifting capacity	kg 4800
Pump delivery	l/min. 54
Auxiliary hydraulic control valves	ways 4/6/8 with flow regulators
3 point linkage (link arms and top link)	fixed hitching balls automatic hitching
RH link arm and top link	mechanical adjustment hydraulic adjustment
Front lift (4WD versions only)	original built in maximum lifting capacity 2000 kg adjustable ballast, 400 kg

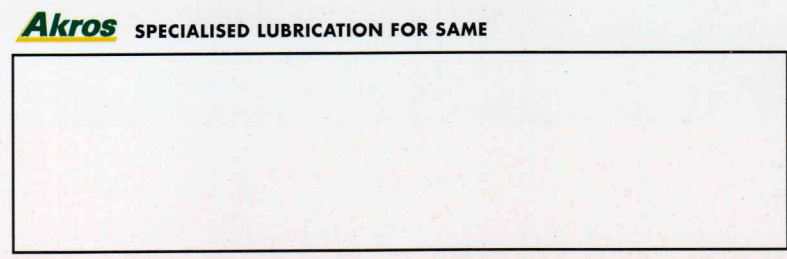
DRIVING POSITION	
Platform	suspended on silent-block
Safety frame	two uprights original sound-proofed (75 dBA), skylight, rear wipers, 6 work lights, telescopic rear-view mirrors as above with mechanical suspension as above with automatic compensation pneumatic suspension
Cab	air conditioning, ventilation, heating, forced recirculation
Instruments	analog with Check Panel
Driver's seat	imitation leather/textile, mechanical adjustment, safety belt textile with pneumatic suspension and safety belt

20 FWD + 20 REV GEARBOX - SPEED IN KM/H AT AN ENGINE SPEED OF 2300 RPM WITH 480/70 R 34 REAR TYRES																			
1 CR	2 CR	3 CR	4 CR	1 L	5 CR	2 L	3 L	1 M	4 L	2 M	5 L	3 M	4 M	1 F	5 M	2 F	3 F	4 F	5 F
0,50	0,67	0,90	1,28	1,71	1,73	2,30	3,06	3,69	4,36	4,97	5,88	6,61	9,42	11,00	12,70	14,80	19,69	28,05	37,82
400*																			

AGROSHIFT GEARBOX 60 FWD + 60 REV - SPEED IN KM/H AT AN ENGINE SPEED OF 2300 RPM WITH 480/70 R 34 REAR TYRES																				
	1 CR	2 CR	3 CR	4 CR	1 L	5 CR	2 L	3 L	1 M	4 L	2 M	5 L	3 M	4 M	1 F	5 M	2 F	3 F	4 F	5 F
LOW	0,34	0,46	0,61	0,88	1,17	1,18	1,57	2,10	2,53	2,99	3,41	4,03	4,53	6,46	7,54	8,71	10,15	13,50	19,23	25,93
MEAN	0,41	0,55	0,73	1,05	1,40	1,42	1,88	2,51	3,03	3,57	4,08	4,82	5,42	7,73	9,03	10,42	12,14	16,16	23,01	31,03
HIGH	0,50	0,67	0,90	1,28	1,71	1,73	2,30	3,06	3,69	4,36	4,97	5,88	6,61	9,42	11,00	12,70	14,80	19,69	28,05	37,82
400*																				

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.

* = MAX. SPEED EFFECTIVE PLEASE NOTE: REVERSE SPEEDS ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS.



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