

SILVER 115-130



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SAME[®]

Rely on us.



Silver 115-130

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BD SILVER

SILVER SAME.

NEW PERFORMANCE IN THE OPEN FIELD.

The SAME Silver range is designed to take on the most demanding tasks in the open field, from soil preparation jobs, including with front and rear implement combinations, to high-speed transport.

Versatile and powerful, the Silver benefits from an optimum power-to-weight ratio which make it able to respond in a simple and productive

manner to any specific working demands.

The Silver combines the most innovative technical characteristics with an advantageous weight distribution, which enables it to optimise performance even in the most testing conditions, such as ploughing and other heavy tasks.

The AGROSHIFT gearbox and optional

change-on-the-move hydraulic shuttle are just two examples of the solutions adopted to make your work both speedier and simpler.

The Silver is the result of SAME's continuing effort to get ever closer to the needs of farmers and agricultural subcontractors who use their tractors every day.



THE NEW CONCEPT OF COMFORT.

Room to move, ergonomic positioning of the driver's seat and controls. In line with its tradition, SAME has paid special attention to detail to ensure comfortable and easy operation.

But Silver achieves even higher standards by extending the concept of comfort to overall tractor handling.

Just consider all the practical advantages of the AGROSHIFT transmission, and the easy-to-use hydraulic lift, not forgetting either the lower fuel consumption or the easy maintenance,



which in some cases has even been reduced.

EASY ACCESS.

The Silver cab is made with more resistant, more durable materials: the polyurethane roof and bonnet, the side panels made from lightweight, flexible Telene®. The wide cab doors allow easy entry and exit, while the non-slip steps offer an extra safety level that makes a difference.

THE RIGHT CLIMATE FOR ALL JOBS.

Working conditions are always at the optimal; engine noise is minimised by thorough cab soundproofing, while the temperature remains ideal, whatever the weather. The ventilation system

supplies as much as 500 m³ of air an hour, and the air filter is generously proportioned for adding further to the comfort of the operator.

The powerful heating is specially designed for use in colder climates and the Silver cab air-conditioning system ensures that the driver's working environment is always comfortable.

WELL-ORGANISED SPACES.

The tractor cab is a workplace, and as such all aspects of the design must guarantee maximum functionality and ergonomics. Take for example the outstanding uninterrupted view afforded by the wide front windows, made possible by the tapered

uprights, and neatly tucking the exhaust pipe away alongside the cab. Front visibility is further enhanced by the curved windscreen and the low sloping bonnet. Ten powerful halogen lights will provide all the night-time illumination you need.



EASY COMFORTABLE OPERATION.

The comfortable pneumatic seat can be fully adjusted to the requirements of the driver. The steering column is height and angle adjustable to ensure the most natural driving position possible.

Tractor handling becomes easy and



instinctive, thanks to the ergonomic positioning of controls on the console on the driver's right.

Practical features that put everything in easy reach; in fact you'll find that driving a Silver becomes second-nature.

CONTROLLED, GUARANTEED PRODUCTIVITY.

All tractor operating and engine data is clearly displayed on the Check Panel and the back-lit Performance Monitor (opt.).

At any one time the latter can display four different sets of information relating to performance in any combination of the following:

Wheel slip percentage, Area worked, Draft, Working time, Engine speed,

Distance covered, P.T.O. speed, Forward speed.

THE CONVENIENCE OF SIMPLIFIED MAINTENANCE.

All components that occasionally require servicing are always within easy reach. Simply press a button to lift the bonnet and remove the side

panels. There's no need for tools. You can even check, and top up if necessary, the oil level without removing anything at all.

The transmission oil radiator can be tilted for easy cleaning.

Access for maintenance is immediate, saving you valuable time.

Not to mention the fact that oil changes are only required every 300 working hours.



NEW SAME EURO II ENGINES.

The models in the Silver range are equipped with the new SAME 6-cylinder water-cooled Series 1000 EURO II with turbocharger, which has undergone major redesign as regards both its appearance and its functional characteristics.

Modern, efficient and easy to service, the new engines feature a sturdier construction with a new monobloc design with stiffening ribs and push-

rod tubes integrated in the casting. The increased rigidity of the engine block helps reduce oil consumption and noise, and prevents deformation of the cylinder liners even after many thousands of operating hours, while the new injection system with an injection pressure of over 1100 bar ensures that emission levels are kept well below the limits set by the current standards.



POWER WITHOUT WASTE.

The performance of the Silver is further enhanced by the electronic engine management system, which ensures that optimum performance values are maintained alongside minimal fuel consumption, and maximum power is reached at 2500 rpm. To make your work easier, the system is equipped with a new hand throttle lever, mounted on the middle cab pillar and an engine speed memory button that allows you to save and retrieve engine speeds.

The engine cooling system has also been made more efficient, thanks to the triple flow radiator which ensure consistent high performance even

with high ambient temperatures. And finally the alternator ensures that the

battery is always kept charged even at medium-low engine speeds.



SILVER SELF-CONTROL.

Power and torque, fuel consumption, load and speed variation: no need to memorise any of this information, because Silver's electronic control unit processes it all to calculate the exact amount of fuel required.

The unit instantly adjusts engine performance to actual working conditions: flexibly and smooth for light applications, such as crop transportation, or

constant to maintain engine rpm despite load variations.

Silver easily copes with sudden load changes, has all the power necessary, and keeps fuel consumption to a minimum.

The new hand throttle control, regulates engine speed as required, and can store maximum and minimum engine rpm data.



AN ENGINE THAT WON'T FALTER WITH PERFORMANCE AND ECONOMY.

The wide range of constant engine power gives optimal performance in all load conditions.

Maximum power is reached at a speed of 2.100 rpm, and remains constant down to 2.500 rpm; that's 400 rpm of constant power.

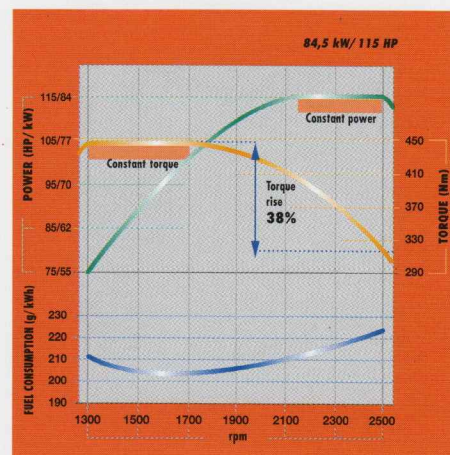
Power is immediate - at 1.800 rpm, 90% of engine power is already available.

As with engine power, torque is also constant, for a large range of rpm, assuring remarkable engine flexibility, even with heavy loads at low engine speeds.

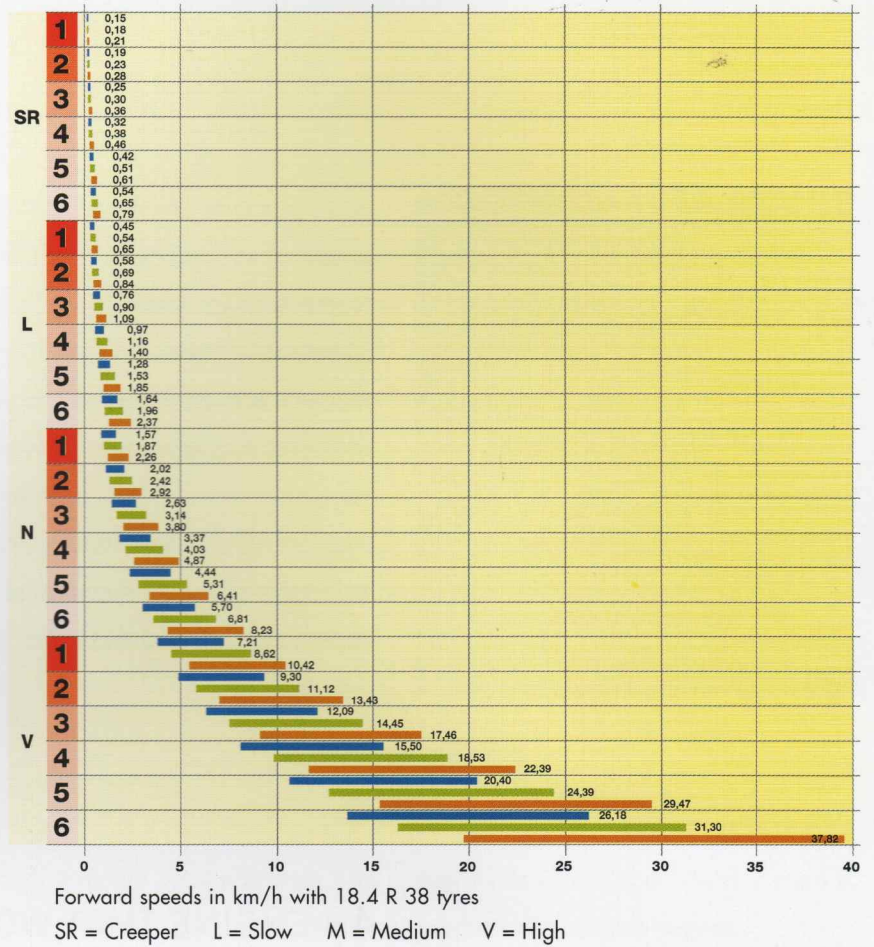
Highly responsive and flexible, the new SAME engines are also very frugal. Optimised combustion and fuel injection

systems are combined with a turbocharger to achieve a reduced specific fuel consumption.

This figure and the 240 litre fuel tank clearly explain Silver's remarkable operating economy.



AGROSHIFT (72 FWD+72 REV)



Engine performance is complementary perfectly by a gear transmission system that provides the right operating speed every time.

There is a choice of different transmission configurations to suit a wide range of specific operating requirements.

The standard transmission has six speeds, completely synchronised for three ranges gear.

All speeds can be reversed by the synchronised shuttle facility.

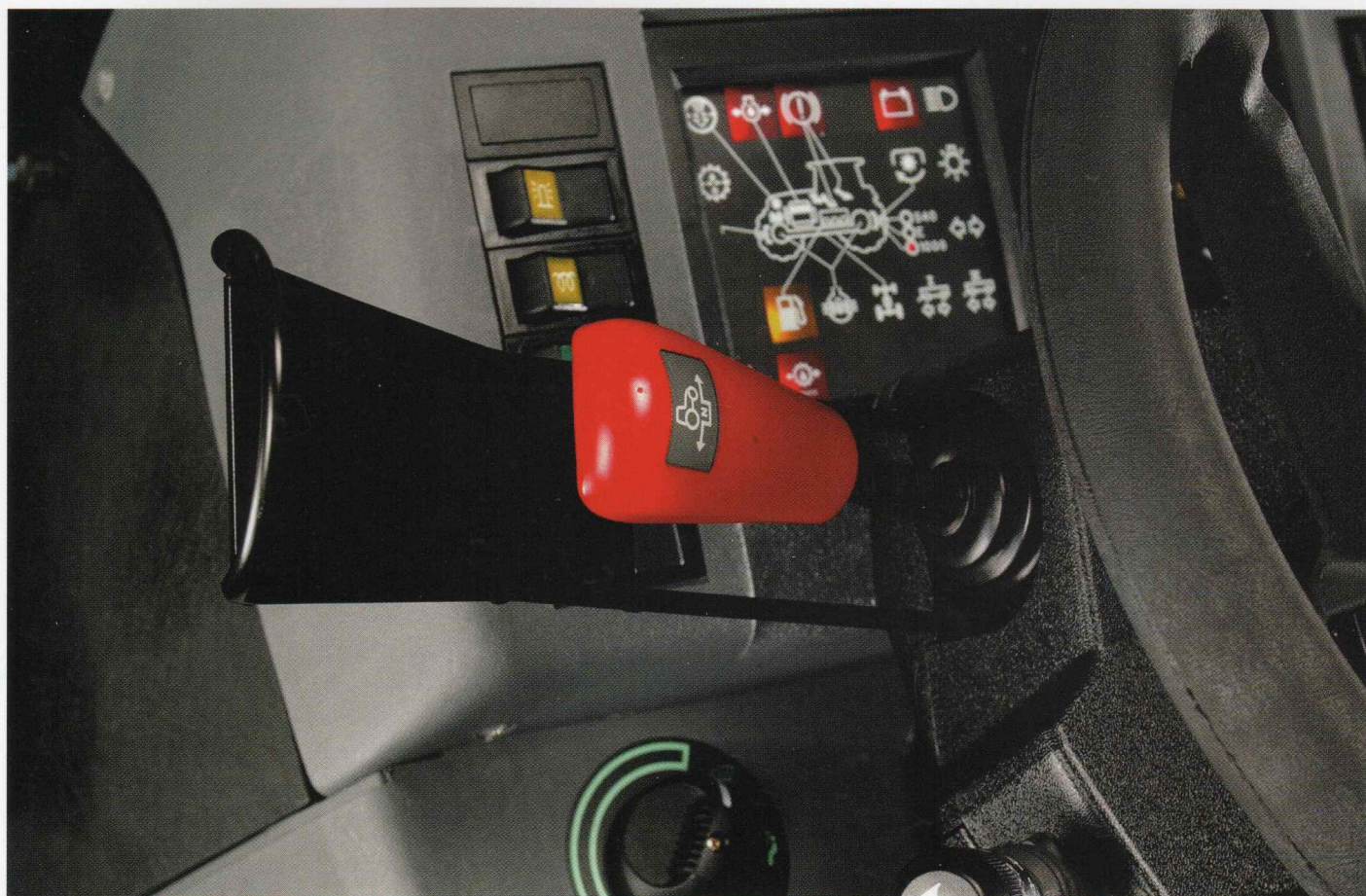
The robust, single-plate dry clutch, oversized and with hydrostatic operation, makes clutch operation easy and smooth.



Gear changes are rapid and precise, clutch pedal force is minimal, and reversing prompt and smooth.

Maximum speed is 40 km/h, while the initial speed of the creeper for special applications is a mere 150 m/h.

CHANGE-ON-THE-MOVE HYDRAULIC SHUTTLE (OPT.).



The Silver 115-130 range is appreciated throughout the farming world for its versatility and agility, both in the open field and in the yard. Now the exceptional Silver 115-130 has been further improved by the addition of a feature that simplifies the task of the driver, increases productivity and makes for easier tractor control. The change-on-the-move hydraulic shuttle with electronic control reduces driver effort to a minimum, allowing smooth, clutchless

shifting between forward and reverse. The only control necessary is the shuttle control lever, ergonomically positioned on the steering column beside the steering wheel. All that is required to move off, change direction or stop is a simple movement of the hand. The electronic control unit automatically modulates the pressure in the hydraulic clutch chambers as required in order to achieve a smooth, gradual engagement without jolting or jerking.

When working around buildings or in the yard, frequent changes of direction can be performed with maximum ease, speed and efficiency, and with smooth, progressive movement. The control lever has a "neutral" position so there is no need to disengage gear in order to stop the tractor.

Shifting between forward and reverse is possible at speeds of up to 10 km/h, the driver simply operates the lever and the precision electronic control does the

rest. The operator is therefore free to give full attention to other aspects of driving the tractor, making for increased efficiency and productivity.

The system comprises two wet long-life multiplate clutches, one for forward and one for reverse, designed to safeguard the mechanical parts of the transmission and consequently extend the working life of the tractor.

The ability to change the direction of

travel with a smooth, continuous uptake of power also applies when working on slopes, as all it takes is a simple movement of the shuttle control lever to move off progressively and safely.

The status of the shuttle and the currently selected AGROSHIFT gear are clearly shown on an LED display.

Silver 115-130 with change-on-the-move hydraulic shuttle: a change for the better in farming.



- 0= NEUTRAL
- 1= FORWARD drive
- 2= REVERSE drive



AGROSHIFT: MAXIMUM CONVENIENCE AT ALL LEVELS.

Maximum convenience and productivity are now possible thanks to the AGROSHIFT system, the POWERSHIFT transmission that allows clutchless changing under power within a selected band of speeds. AGROSHIFT provides up to 72 FWD + 72 REV speeds, designed to offer the right speed for every job whatever the conditions. Simply press a button on the gearshift lever to change the speed, electrohy-

draulic engagement of the oil-immersed disc clutch is smooth and progressive.

The power take-off allows all types of implements to be coupled to the tractor. Four speeds are available: 540 and

1000 rpm, in standard and economy versions, plus synchronised P.T.O. with independent shaft.

The economy P.T.O. offers big fuel savings and optimal use of engine speed.



A COMPLETE RANGE OF P.T.O. CHOICES.

The oil-immersed multidisc clutch is robust and durable.

The electrohydraulic engagement is smooth and progressive, providing protection for implements from unnecessary wear and tear.



AGILITY AND TRACTION: THE FRONT AXLE.



The agility to make tight turns in restricted spaces, the traction necessary to transmit the power generated by the engine to the ground: Silver has all these, and more.

A 50° steering angle for greater manoeuvrability.

The front-wheel drive and differential lock controls are electrohydraulic, but the even more convenient SBA system offers automated control that relieves the driver of tiring, repetitive actions.

SBA: EVEN MORE CONTROL.

The totally automatic optional SBA system controls 4WD and differential lock functions, engaging or disengaging them according to the speed and steering angle, detected by dedicated sensors and transmitted to an electronic control unit.

Maximum traction is thus guaranteed in all conditions, without slip, and with improved safety, both in the field and on road transport. Just press the button, Silver will look after the rest.

SAFETY ON ALL TERRAIN.

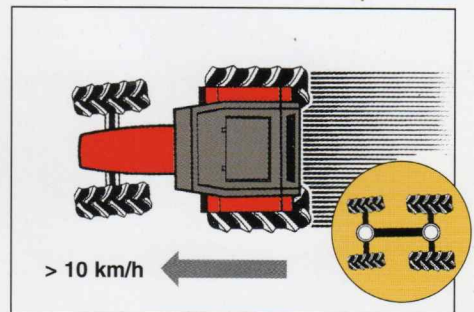
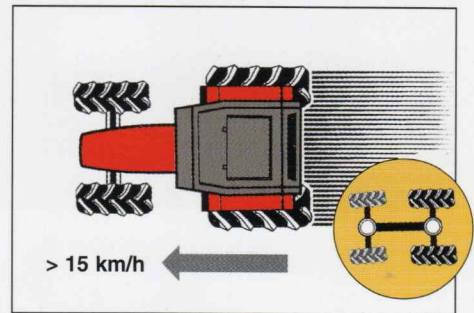
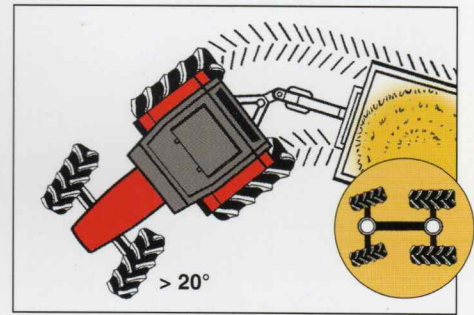
Powerful and efficient, the oil-immersed disc braking system (two discs on each side, on front and rear axles) acts independently on all four wheels.

The hydrostatic control affords high-capacity responsive braking with minimum pedal pressure. With progressive, proportional action, braking is not only secure but perfectly controlled.

The isolation brake valve allows different braking configurations, according to the application in hand.

Braking can be on all four wheels, on the two inside wheels, or just on one internal rear wheel.

Versatility that makes for better tractor handling and less stress on the soil.



EVEN STRENGTH.

Light steering and hydraulic linkage power - these two objectives are achieved with separate hydraulic circuits: one for the steering and one for the linkage.

The hydrostatic steering circuit has a capacity of 35 l/min, assisted by two powerful double-acting rams.

Steering is smooth even at low engine speeds and with front implements attached.

The lift circuit features a 58 l/min pump specifically serving the linkage and the spool valves.

STRONG AND ADAPTABLE.

In place of the standard mechanical lift, the Silver can be equipped with a new electronic lift with radar. The lifting capacity is impressive: 6.200 kg with auxiliary rams.

ted, simply and intuitively.

During transport with implements on the linkage, the "active damping" feature helps to eliminate bounce.

ring angle. Its excellent lift capacity is 2.100 kg, and the special damping system enhances safety during transport. When not in use, the lift arms can be easily removed to reduce the overall tractor dimensions.

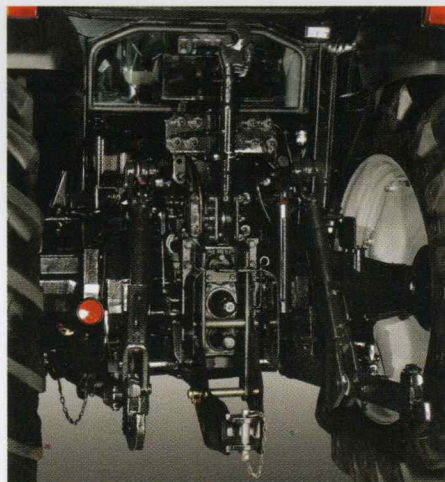
A quick-fit ballast weight is an additional integral part of the front linkage.

SIMPLE, INTUITIVE CONTROLS.

The controls, comprising a rocker switch and electrohydraulic push-buttons, are within easy reach.

The system adjustment controls are positioned on the console to the driver's right. For applications in which operating depth is critical, the operator can set a "work band" between minimum and maximum depth.

All lift functions can be quickly activa-



COMPLETE AND VERSATILE.

The compact front linkage, perfectly integrated into the tractor's design, does not interfere with the 50° stee-

NO-LIMIT IMPLEMENT USE.

The Silver tractor can be equipped with six or eight spool valves with flow regulation, each with Delivery, Neutral, Return and Float functions. The valves can also be used with single or double-acting cylinders.

Control levers are coloured to correspond with the hydraulic connectors, so ensuring immediate identification for equipment operation.

TECHNICAL SPECIFICATIONS

SILVER 115

SILVER 130

Version	4WD	4WD
ENGINE SAME	1000.6 WT EURO II	1000.6 WT EURO II
Cylinders/Displacement	no/cm ³	6/6000
Aspiration		Turbo
Max. homologated power (ECE R24.03)	HP/kW	115/84,5
Max. homologated power (2000/25/CE)	HP/kW	122/89,5
Nominal engine speed	rpm	2500
Max. torque	Nm	445
Max. torque engine speed	rpm	1400-1600
Torque backup	%	38
Cooling		liquid-oil
Engine control		electronic
Air cleaner		dry with safety cartridge and dust ejector with vertical exhaust
Silencer underhood		with exhaust on cab upright
Fuel tank capacity	litres	240
DIMENSIONS AND WEIGHTS: (with rear tyres)	18.4 R 34	18.4 R 38
Max. length without link arms	mm	4325
Width min.- max.	mm	2215-2715
Max. height at cab	mm	2755
Ground clearance	mm	400
Wheelbase	mm	2750
Front track min.- max.	mm	1825-2315
Rear track min.- max.	mm	1750-2250
Minimum steering radius without braking	mm	5300
Weight with cab	kg	5080

TRANSMISSION

Gearbox clutch	hydrostatically operated
Mechanical gearbox, 6 synchronised gears, 3 gear ranges (min. speed: 0.65 km/h)	18 FWD + 18 REV
Mechanical gearbox, 6 synchronised gears, 4 gear ranges (with creeper) (min. speed: 0.21 km/h)	24 FWD + 24 REV
AGROSHIFT gearbox (3 ratios under load) 6 synchronised gears, 3 gear ranges (min. speed: 0.45 km/h)	54 FWD + 54 REV
AGROSHIFT gearbox (3 ratios under load) 6 synchronised gears, 4 ranges (with creeper) (min. speed: 0.15 km/h)	72 FWD + 72 REV
Max. speed	km/h
Shuttle	mechanical, synchronised hydraulic under load with double multidisc clutch in oil bath, electronically operated with lever control under steering wheel
Rear differential lock	electro-hydraulically operated
Lubrication	forced with transmission oil cooler

Rear P.T.O.

Clutch	multiple discs in oil bath
Speed	rpm
Operation	electro-hydraulically operated, push-button control

Front P.T.O.

Clutch	multiple discs in oil bath
Speed	rpm
Operation	electro-hydraulically operated, push-button control

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	50°

18 FWD + 18 REV GEARBOX - SPEED IN KM/H AT AN ENGINE SPEED OF 2500 RPM WITH 18.4 R 38 REAR TYRES

1 L	2 L	3 L	4 L	5 L	1 N	6 L	2 N	3 N	4 N	5 N	6 N	1 F	2 F	3 F	4 F	5 F	6 F
0,65	0,84	1,09	1,40	1,85	2,26	2,37	2,92	3,80	4,87	6,41	8,23	10,42	13,43	17,46	22,39	29,47	37,82
																	4000*

AGROSHIFT GEARBOX 72 FWD + 72 REV - SPEED IN KM/H AT AN ENGINE SPEED OF 2500 RPM WITH 18.4 R 38 REAR TYRES

	1 CR	2 CR	3 CR	4 CR	5 CR	1 L	6 CR	2 L	3 L	4 L	5 L	1 N	6 L	2 N	3 N	4 N	5 N	6 N	1 F	2 F	3 F	4 F	5 F	6 F
LOW	0,15	0,19	0,25	0,32	0,42	0,45	0,54	0,58	0,76	0,97	1,28	1,57	1,64	2,02	2,63	3,37	4,44	5,70	7,21	9,30	12,09	15,50	20,40	26,18
MEDIUM	0,18	0,23	0,30	0,38	0,51	0,54	0,65	0,69	0,90	1,16	1,53	1,87	1,96	2,42	3,14	4,03	5,31	6,81	8,62	11,12	14,45	18,53	24,39	31,30
HIGH	0,21	0,28	0,36	0,46	0,61	0,65	0,79	0,84	1,09	1,40	1,85	2,26	2,37	2,92	3,80	4,87	6,41	8,23	10,42	13,43	17,46	22,39	29,47	37,82
																								4000*

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.

FRONT AXLE

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

HYDRAULIC LIFT

Rear power lift	mechanical electronically controlled with radar and performance monitor
Maximum lifting capacity	kg
Pump delivery	l/min.
Auxiliary hydraulic control valves	ways
3 point linkage (link arms and top link)	automatic hitching
RH link arm and top link	mechanical adjustment hydraulic adjustment
Front lift	original built in maximum lifting capacity 2100 kg 2 front hydraulic couplers quick fit 600 kg ballast

DRIVING POSITION

Cab	original sound-proofed (75 dBA), with suspended on silent-block platform, skylight, rear wipers, 8 work lights, 2 corner lights, telescopic rear-view mirrors
Cab conditioning	air conditioning, ventilation, heating, forced recirculation
Instruments	analog with Check Panel
Driver's seat	textile with mechanical adjustment and safety belt textile with pneumatic suspension and safety belt

Akros SPECIALISED LUBRICATION FOR SAME



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