



[ CODENAME ]

# ARGON

STAGE V

70 | 80 | 90 | 100



**SAME**

## [ MISSION ]

# ARGON: THE TRACTOR FOR ANY APPLICATION.

The highly modular new SAME Argon family has been specifically conceived to offer extraordinary scope for configuration to find the perfect solution for the individual needs of the user, with power outputs from 66 to 102 HP (48.9-75 kW) and extensive choice in terms of transmission, tyres, PTO and hydraulic system variants. But whatever the configuration you choose, SAME Argon tractors all boast the

same incomparable modern style and a clean layout of underbonnet that accommodates a 75 litre diesel tank (+12 litre of AdBlue according to the models), an 8" PowerCore air filter with dust ejector, radiators with large cooling surface and, most importantly, the new heart of the SAME Argon family - the state of the art FARMotion 35 Stage-V engine.

MISSION



- Light or Ready Kit availability including FOPS for front loader application

- Electrohydraulic PTO engagement in combination with PowerShuttle

- Electro-hydraulic engagement of 4WD and differential locks

- Lift-, Hydraulic- and Engine-Controls on side console

- PowerShuttle transmission with SenseClutch, ComfortClutch and Stop&Go function

- Up to 3500 kg rear lifting capacity with comfortable EasyLift system control

- Up to 3 PTO speeds incl ground-speed PTO availability

- Up to 56 l/min hydraulic system and 6 rear ways with flow regulator
- Dual Mode trailer brake

- Up to 30+30 gearbox transmission with two-stage Hi-Lo Powershift



# ENGINE

## EXTRAORDINARY PERFORMANCE AND EFFICIENCY.



**FARMotion 35: the high-tech compact engine.**

The beating heart of the SAME Argon family is the innovative FARMotion 35 engine, a powerplant developed specifically for agricultural use with extremely compact dimensions and requiring minimal maintenance. SAME Argon tractors are powered by the 3 cylinder engine, to further accentuate an innate agility of these machines. With electronic Common Rail fuel injection (with injection pressures up to 2000 bar), Turbo Intercooler aspiration and a viscostatic fan, the FARMotion 35 delivers impressive performance combined with class-beating low specific fuel consumption. The advanced design techniques and state of the art solutions implemented in the development of the FARMotion 35 have

made it possible to attain Stage V emissions compliance with a DOC+DPF system (70 and 80 models) or DOC+DPF+SCR system (90 and 100 models). On top of this are torque and power delivery curves tailored specifically for agricultural applications and impressive performance, as testified by figures such as a maximum engine speed of just 2200 rpm and torque reserves of up to 35%.

As well as minimising consumption, the all-electronic injection management system has also made it possible to introduce a double engine speed memory, allowing the driver to set and recall different specific engine speeds to make repetitive operations even simpler and more effective.

The new layout of the under bonnet offers enough space to situate both the generously sized 75 litre fuel tank (+12 litre of AdBlue for 90 and 100 models) and the DOC catalytic converter in protected positions. To facilitate regular maintenance, all inspection and service points are even more easily accessible than before, while the radiator pack is protected by two practical pull-out screens. In the front, there is the PowerCore dual stage engine intake air filter, which may also be equipped with an optional dust ejector. In addition, FARMOTION 35 engines are certified to run on alternative fuels like HVO, reducing CO<sub>2</sub> emissions and enhancing environmental friendliness.



<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

ENGINE



# TRANSMISSION

## DEFINE THE SPECIFIC CONFIGURATION FOR YOUR NEEDS.



A fully mechanical or PowerShuttle transmission with Powershift offering unbeatable efficiency, with the added value of top speed at economy engine speed.

TRANSMISSION

With a choice of five different transmission variants, each based on highly efficient and fully synchronised gearboxes, the new SAME Argon tractor family always offers the perfect solution for you.

2WD models are equipped with a 4 speed gearbox transmission and 3 ranges, for a total of 12 forward speeds and 3 reverse speeds, with a top speed of 30 km/h.

A more comprehensive transmission configuration is available on 4WD models, with 5 speeds and 3 ranges for a total of 15+15 speeds and a top speed of 40 km/h. This configuration comes equipped as standard with a creeper range which, with the lowest gear engaged, allows a ground speed of just 298 metres/hour at maximum engine speed.

The third configuration (15+15 ECO) includes the possibility to reach the max

speed at an economy engine speed, allowing the tractor to maintain 40 km/h at an engine speed of just 1800 rpm.

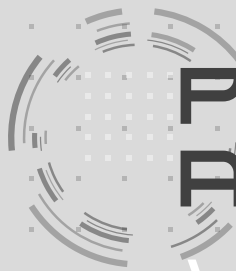
In addition, the Argon offers 2 transmission versions with PowerShuttle, offering not only the SenseClutch, ComfortClutch and Stop&Go function but also, in combination with the optional two-stage Powershift, 30+30 gears. All 4WD models are equipped with 4 wheel braking and as standard with electrohydraulic engagement of four wheel drive and front/rear differential locks. Another focus of the transmissions equipping the SAME Argon family is the inclusion of special optional watertight seals, for maximised productivity and durability even when working in the challenging conditions like rice paddy.



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# PTO, HYDRAULICS AND LIFT

## WORK WITH ANY IMPLEMENTS.



Up to three PTO speeds for working effectively.

The PTO is offered in an extensive choice of configurations. In addition to the basic 540 rpm speed, the PTO may be specified with a 540ECO version (to attain the standard PTO speed of 540 rpm at an engine speed of just 1560 rpm), a 1000 rpm speed or a groundspeed mode (synchronised with the tractor speed), which is ideal for working with implements such as a driven axle trailer. For uncompromised versatility, an interchangeable splined output shaft is also available.

Additional comfort is provided thanks to the electrohydraulic PTO actuation, which is a basic feature in combination with the PowerShuttle transmission.

Improved hydraulics and a potent, precise lift.

The open centre hydraulic system is offered with two options of pump flow capacity (48 or 56 l/min), while the rear distributors are available from a basic layout of 2-way up to a more complete configuration of 6-way with flow regulator.

For superior safety and impeccably smooth steering action even at low engine speeds or when working with the lift, the steering circuit is always fed by a dedicated gear pump.

The powerful rear lift may be specified with quick hitches and offers a maximum lift capacity of 2500 kg at the lower link ends which, as an option, may be increased to up to 3500 kg by adopting 2 assistor rams. Thanks to the new EasyLift control system, that raises and lowers implements using a single button, comfort and productivity are always at the highest level.





# DRIVING POSITION

## FUNCTIONAL AND COMFORTABLE OPERATOR AREA.

■ ■ The new layout of the right console ensure a comfortable and easier use.



The layout of the driver position has a low profile centre tunnel and new controls that are more precise and comfortable to use than ever, with the tried and tested and extremely intuitive SAME colour coded scheme. The instrument cluster providing the driver with all the information necessary on the operating status of the tractor, and gear levers ensuring extremely precise shift action. To highlight is the completely new position of the spool valves control levers and the EasyLift button.

The new PowerShuttle lever gives easy access to the driving position and fast change of direction. To protect the driver in the event of a roll-over, these tractors are equipped with a partially folding 2-pillar roll-bar which may also include an optional practical sun roof that can also be FOPS-compliant for front loader application. And for all who are working also at night up to 5 work lights can be added for premium illumination around the tractor. Totally new for this range is the possibility to install directly from the factory 2 kinds of front loader predisposition (Light or Ready Kit).




		70	80	90	100
<b>ENGINE</b>					
Model		FARMotion 35			
Emission level		Stage V			
Cylinders/Displacement	n°/cc	3/2887			
Visco cooling fan		▲			
Bore/Stroke	mm	103/115.5			
Aspiration		Turbo Intercooler			
Injection @ pressure	Type/bar	Common Rail @ 2000 bar			
Max. power	kW/HP	48.9/66	55.8/76	67/91	75/102
Rated power	kW/HP	48/65	55.2/75	63.5/86	71.1/97
Max. torque	Nm	297	341	372	417
Torque rise	%	16	28	35	
Fuel tank capacity	l	75			
AdBlue capacity	l	-		12	
EAT	System	DOC+DPF		DOC+DPF+SCR	
<b>TRANSMISSION</b>					
Model		T3300			
<b>2 WD version</b>					
Gearbox	n°	4 gears x 3 ranges			-
Shuttle	Type	Reverse gear			-
N° of speed	n°	12+3 (max. speed 30 Km/h)			-
<b>4 WD version</b>					
Gearbox	n°	5 gears x 3 ranges			
Shuttle	Type	Mechanical			
N° of speed	n°	15+15 (max. speed 40 km/h)			
N° of speed (OPT)	n°	15+15 (max. speed 40 km/h at economy engine speed)			
Hydraulic PowerShuttle with SenseClutch, ComfortClutch and Stop&Go		○			
N° of speed with Powershuttle	n°	15+15 (max. speed 40 km/h at economy engine speed)			
N° of speed with Powershuttle (OPT)	n°	30+30 (with two-stage Hi-Lo Powershift, max. speed 40 km/h at economy engine speed)			
<b>HYDRAULICS AND LINKAGE</b>					
Pump flow (STD)	l/min	48			
Pump flow (OPT)	l/min	56			
Rear spool valves	n°	1/2/3			
Mechanical rear lift		▲			
Mechanical rear lift with EasyLift		○			
Rear linkage lifting capacity (STD)	kg	2500			
Rear linkage lifting capacity (OPT)	kg	3500			
<b>PTO</b>					
Mechanical PTO engagement		▲			
Electrohydraulic PTO engagement		▲ (in combination with PowerShuttle)			
54D		○			
54D/54DECO		▲			
54D/54DECO/1000		○			
54D/54DECO + Groundspeed PTO		○			
<b>AXLES AND BRAKES</b>					
Electrohydraulic 4WD engagement		▲			
Steering angle	degrees	55			
4 wheel braking (4WD models only)		▲			
Mechanical Parking Brake		▲			
Hydraulic DualMode trailer brake		○			
Electrohydraulic Diff. Lock engagement		▲			
<b>PLATFORM</b>					
Mechanical suspended seat		▲			
Working lights		○			
Telescopic steering column		○			
Lateral controls layout		▲			
Sun roof canopy		○			
FOPS protection		○			
<b>DIMENSIONS AND WEIGHTS</b>					
With rear tyre	Size	16.9 R30"			
Wheelbase (4WD)	mm	2100			
Wheelbase (2WD)	mm	2166	-		
Centre rear axle - safety frame	mm	1798			
Height	mm	2498			
Max. width	mm	1839			
Max. length	mm	3860			
Weight (4WD)	kg	2950	3050		
Weight (2WD)	kg	2750	-		
Total admissible load (4WD)	kg	5200			
Total admissible load (2WD)	kg	4000	-		

▲ 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

