



"Explorer: a name you can trust."

"A tractor suited to any working condition is not just a machine – it's a workmate."



EXPLORER

80 | 90 | 90.4 | 100 | 105.4 | 115.4



EXPLORER "Heavy Duty"		90.4	105.4	115.4
ENGINE				
Emissions		Tier4i	Tier4i	Tier4i
Model		FARMotion	FARMotion	FARMotion
Cylinders/Displacement/Valves	No./cc/No.	4/3849/2	4/3849/2	4/3849/2
Common Rail	bar	2000	2000	2000
Turbo intercooler		●	●	●
Maximum power (ECE R 120) @ 2,000 rpm	kW/hp	65/88	75/102	80/109
Power at rated speed (ECE R 120) @ 2,200 rpm	kW/hp	61.6/84	71.1/97	75.8/103
Max. torque @ 1,600 rpm	Nm	354	408	436
Torque rise	%	32	32	30
Electronic engine control		●	●	●
Exhaust gas after-treatment system		DOC / exEGR	DOC / exEGR	DOC / exEGR
Fuel tank capacity	litres	152	152	152
SHUTTLE				
Mechanical Shuttle (LS)		●	●	●
Hydraulic reverse power shuttle (GS)		●	●	●
Stop&Go System (GS)		●	●	●
MECHANICAL GEARBOX				
4-speed		●	●	-
Number of speeds	n°	8 + 8	8 + 8	-
Number of speeds with supercreeper gear and underdrive	n°	16 + 16	16 + 16	-
5-speeds gearbox		○	○	●
Number of speeds	n°	10 + 10	10 + 10	10 + 10
Number of speeds with supercreeper gear and underdrive	n°	20 + 20	20 + 20	20 + 20
MECHANICAL HI-LO TRANSMISSION				
4-speed		○	○	-
Number of speeds	n°	16 + 16	16 + 16	-
Number of speeds with supercreeper gear and underdrive	n°	32 + 32	32 + 32	-
5-speeds gearbox		○	○	○
Number of speeds	n°	20 + 20	20 + 20	20 + 20
Number of speeds with supercreeper gear and underdrive	n°	40 + 40	40 + 40	40 + 40
Powershift number of speeds	n°	2	2	2
POWERSHIFT GEARBOX				
5-speeds gearbox		-	-	○
Number of speeds	n°	-	-	30 + 30
Number of speeds with supercreeper gear and underdrive	n°	-	-	60 + 60
Powershift number of speeds	n°	-	-	3
REAR PTO				
electrohydraulic engagement		●	●	●
P.T.O. 540/540ECO		○	○	○
P.T.O. 540/540ECO/1,000/1,000ECO		○	○	○
Ground speed PTO		○	○	○
FRONT PTO				
PTO 1000		○	○	○
FRONT AND REAR AXLE				
Front wheel drive electrohydraulically engaged		●	●	●
Electrohydraulically operated differential lock		●	●	●
BRAKES AND STEERING				
4-wheel braking (40 km/h models)		●	●	●
Mechanical parking brake		●	●	●
Hydraulic parking brake		○	○	○
Hydrostatic steering with independent pump		●	●	●
SDD system		○	○	○
HITCH				
Rear hitch mechanical		●	●	●
Rear hitch electronic		○	○	○
Rear hitch lift capacity (std)	kg	3600	3600	3600
Rear hitch lift capacity (opt)	kg	4800	4800	4800
Front hitch		○	○	○
Front hitch capacity	kg	1850	1850	1850
HYDRAULIC SYSTEM				
Pump output (std)	l/min	55	55	55
Pump output (opt)	l/min	60ECO	60ECO	60ECO
Open centre hydraulic system		●	●	●
Rear auxiliary valves	n° of ways	4 / 6 / 6 + 2	4 / 6 / 6 + 2	4 / 6 / 6 + 2
CAB				
Air conditioning		○	○	○
High visibility roof		○	○	○
Driver seat with mechanical suspension		●	●	●
Driver seat with air suspension		○	○	○
Passenger seat		○	○	○
DIMENSIONS AND WEIGHTS				
Standard rear tyres		480/70R34	480/70R34	480/70R34
Max. length with rear linkage	mm	4314	4314	4314
Width (min./max.)	mm	2209 / 2609	2209 / 2609	2209 / 2609
Wheelbase (4WD/2WD)	mm	2400 / 2360	2400 / 2360	2400 / 2360
Front track (min./max.)	mm	1728 / 2128	1728 / 2128	1728 / 2128
Rear track (min./max.)	mm	1706 / 2106	1706 / 2106	1706 / 2106
Max. height at cab	mm	2730	2730	2730
Weight with cab	kg	4200	4200	4300
Maximum load capacity	kg	7000	7000	7400

The technical specifications and images herein are purely indicative. SAME, in its efforts to supply the product that you require, reserves the right to update this information at any time without notice.

STD ● OPT ○
Technical data refer to Heavy Duty versions only

DEALER

Use of original SDF lubricants and coolants is recommended.



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SAME EXPLORER



"What I want is a modern tractor with lots of experience and back-up to its name."



A LONG HISTORY OF SUCCESS.

A long and rich history meets cutting edge technology in a company with over 70 years of experience in the field. SAME gives tangible support to agricultural operators in running their businesses by building tractors capable of meeting the differing needs of farms, farming contractors and livestock breeders.

The Explorer range has always set the benchmark for its multirole capability and versatility. This was why SAME decided to bring this product range up to date and extend it even further. The wide choice of technical characteristics and equipment offered for the new Explorer range have been conceived to cater for the most widely different applications, and to let each company find the ideal configuration for their needs. The new Explorer tractors have been conceived to make working in the comfortable and spacious new cab a pleasure, to offer superlative reliability, safety, quality and - with a choice of powerful engines mated to a highly efficient transmission - outstanding performance matched with low running costs. Tractors designed around the needs of the farmer who experiences the field at first hand.

A SINGLE TRACTOR FOR A WHOLE WORLD OF APPLICATIONS.

The capability of a tractor does not only depend on how many features it offers and on the quality of its individual components, but also on its ability to adapt to different work conditions. Three different versions have been created to offer total freedom of choice in defining the right configuration. The first is an extremely robust version which takes the Explorer3 family to the next generation. Alongside this are two lighter, more compact versions, offering a comprehensive choice of utility tractors.

A range of ideal tractors with different characteristics for different needs: new 3 or 4 cylinder FARMotion engines for minimised running costs, new extraordinarily efficient mechanical or Powershift transmissions, to ensure the right speed for every application, and a hydraulic system with a lift capacity of up to 4,800 Kg. Explorer tractors combine unparalleled flexibility with superior productivity to offer the ideal answer to the needs of the agricultural professional.

Tractors with hallmark styling by Giugiaro Design. The sloped engine cowl, contemporary lines of the cab and rounded mudguards integrated into the body with dual taillights make driving an Explorer a unique experience.

EXPLORER

80 | 90 | 90.4 | 100 | 105.4 | 115.4

ENGINE

SAME Explorer tractors are powered by latest generation FARMotion family engines.

3 or 4 cylinder engines with high pressure (2,000 bar) common rail injection system combine performance and reliability with low running costs. With EGR exhaust gas recirculation and DOC exhaust after-treatment system, the engines powering the Explorer are compliant with Tier4i emissions regulations.

The redesigned new cylinder head and combustion chamber geometry contributes to improving fuel combustion, letting Explorer tractors take full advantage of the potential of the engine while significantly reducing fuel consumption.



TRANSMISSION

The new Explorer range is offered with a choice of transmission variants with different structural characteristics, options and configurations. These tractors are available with a mechanical synchronised shuttle (with control under steering wheel) or the Powershuttle hydraulic reverse shuttle with adjustable sensitivity. The gearbox, available as 4 or 5 speed variants, may be combined with Powershift (Hi-Lo/HML) modules and underdrive and super-creeper gears, to offer a wide spectrum of ratios and ensure the ideal speed for every application: from 8FWD+8REV speeds (4 gears x 2 ranges) up to 60FWD+60REV speeds (5 gears x 3 Powershift speeds x 4 ranges). The front and rear differential locks and four-wheel drive system are electrohydraulically engaged.



PTO

To ensure the ideal speed and torque for operating PTO-driven implements in the field, these tractors are offered with a choice of 4 speeds (540/540ECO - 1,000/1,000ECO), a groundspeed PTO with independent output shaft, and a 1,000 rpm front PTO. The multi-role versatility of the Explorer range makes it the perfect choice for a wide variety of different applications.



HYDRAULICS

The hydraulic system equipping the Explorer series is conceived to deliver maximum performance, with either a single 55 l/min pump or the innovative 60ECO system, with dual pumps for a capacity of 60 l/min at just 1,600 rpm. Maximum lift capacity is up to 4,800 Kg for the rear loader, and 1,850 Kg for the front loader.

READY KIT

The Explorer family is the ideal solution for everyday tasks.

With dedicated technical solutions and features such as factory-mounted accessories for installing a front loader (Ready Kit), a bespoke 60ECO hydraulic system, the Stop&Go function, the optional SDD system (which halves the number of steering wheel turns from lock to lock) and an FOPS roof, the Explorer family is ideal for working with a front loader.

DISCOVER THE TEN GREATEST STRENGTHS OF THE EXPLORER

- 1 Explorer "Heavy Duty":
 - 3 models (90.4 - 105.4 - 115.4)
 - 4 cylinder FARMotion engine
 - Lift capacity 4,800 Kg
 - Maximum permissible weight 7,400 Kg
 - Maximum tyre size 38"
- 2 Explorer "Mid Duty":
 - 5 models (90 - 90.4 - 100 - 105.4 - 115.4)
 - 3 or 4 cylinder FARMotion engines
 - Lift capacity 3,600 Kg
 - Maximum permissible weight 6,200 Kg
 - Maximum tyre size 34"
- 3 Explorer "Light Duty":
 - 3 models (80 - 90 - 100)
 - 3 cylinder FARMotion engine
 - Lift capacity 3,500 Kg
 - Maximum permissible weight 5,500 Kg
 - Maximum tyre size 30"
- 4 Mechanical or electronic rear lift and 55 l/min or 60ECO hydraulic system
- 5 Cab with improved new ergonomics and more spacious interior
- 6 Hallmark style by Giugiaro Design

- 7 FARMotion engine with Common Rail injection
- 8 Modular SAME transmissions, 4 PTO speeds and groundspeed PTO with independent output shafte
- 9 Hydraulic reverse shuttle with "SenseClutch" technology "
- 10 "Stop&Go" system



"I want to be able to choose from a selection of models, versions and configurations to find the ideal one for me."

CAB

The new cab of the Explorer offers a pleasant, functional and comfortable working environment with style created by Giugiaro Design. The high quality materials, choice of colours for the interior trim, outstanding visibility and rational layout of all the controls make this cab the new benchmark for the medium power tractor segment. User-friendly controls, with functional groups organised by colour, and superior comfort mean that the operator can immediately feel at home in the cab and work in harmony with the machine right from the very first hours in the seat.



SAME