

TECHNICAL DATA: TGF 8900 R

Chassis	"ACTIO™" – Full chassis with oscillation • Steering wheels • 4 unequal wheel drive • Front and rear final drive	
Engine Type	Diesel direct injection Common Rail with counter rotating weight system Emissions Regulations: Stage 5 Displacement (CC): 3769 Max. power: 2400 rpm Cooling: Water	
	N° Cylinders: 4 - 16 Valves • Turbo Power kW/HP (97/68/CE): 54,6/74,2 Torque max (Nm/revs): 305/1500 Tank Capacity (litres): 50	
Transmission	32-speed synchronised gearbox: 16 forward + 16 reverse gears with synchronised shuttle Central tunnel free of levers, with gear lever located to the right of the steering wheel and shuttle control on the right of the driving position - Cruise control	
PTO	Rear, independent 540/540E rpm, synchronised in all gears Oil-immersed multiplate clutch with progressive electro-hydraulic engagement Profile 1" 3/8 with 6 splines with facilitated engagement	
Transmission clutch	Hydraulic control	
Drive disengagement	Electrohydraulic control on the front	
Hydraulic system	3 double-acting remote valves including 1 float + 1 oil return 2 pumps with independent circuits	
Rear power lift	3-point linkage with Damping function for road transfer FLM and position and draft control (roll bar version) Maximum lift height setting with position and draft control Operating Pressure (bar): 160 Lifting capacity (Kg): 2400	
Steering	Hydraulic steering wheel with through-rod cylinder	
Brakes	Hydraulic front/rear oil bath disc brakes; independent hydraulic rear steering brakes Automatic emergency and parking oil bath brakes on transmission	
Platform	Suspended on Silent Block	
Weight in order of speed:	With roll bar (Kg): 2230 ÷ 2555	With Protector 100 cab (kg): 2360 ÷ 2585

STANDARD EQUIPMENT

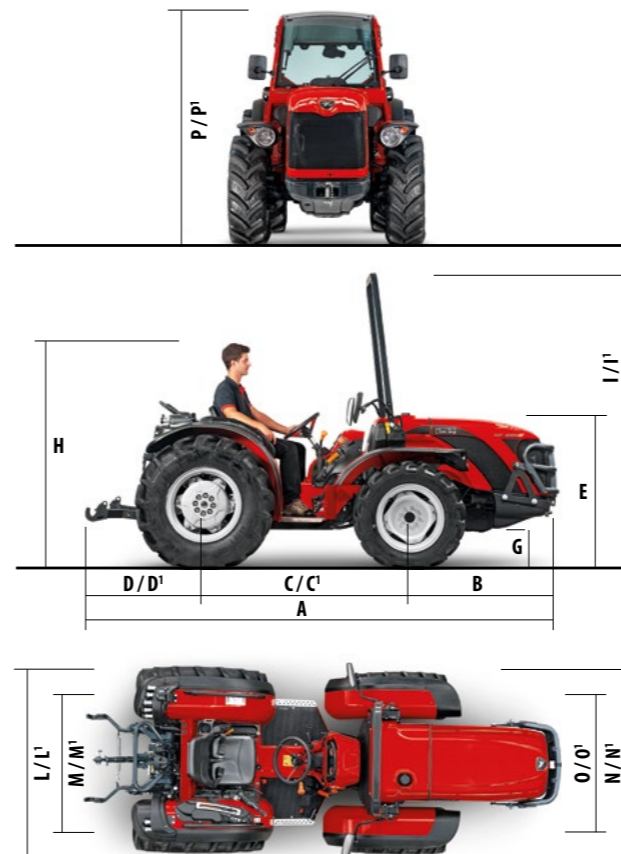
Differential lock on rear axle or both axles with electrohydraulic control • Tilt and height adjustable steering wheel • Fixed arms with Cat 1 and 2 couplers • Sprung, adjustable seat with seat belt • Front folding roll bar • Adjustable wheel discs • Height adjustable rear tow hook • Front tow hook • Multifunctional instrument with digital display • Acid-free battery with AGM technology • Battery disconnecter • Electrical outlet socket • Starting with safety systems in accordance with the 'Mother Regulation • Rear work light

OPTIONAL

"PROTECTOR 100" cab on Silent Block mountings, with heating, soundproofing and air conditioning; "Digital Air Control" to control cab internal pressure, certified to category 1 or (on request) category 4; Extra comfort raised roof with spherical profile • Support for 6/4 front counterweights • Adjustable lift arms with quick-hitch couplers • Air sprung seat with continuous adjustment to the weight of the driver • "Slider" tow hook • Pair of front/rear wheel ballasts • 20" and 24" cast iron flanges for rear wheels • Front bull bar • Headlight protection grilles • Electronic power lift with draft and position control and damping • e-DRIVE transmission with shuttle control on steering wheel and electro-hydraulic range shift • Grammer comfort seat with air suspension, with adjustable back rest and lumbar support • Electro-hydraulic top link and lift rod with quick-hitch couplers • 4 front hydraulic couplers • Hydraulic front lift • ACS fan with reversible air flow to clean the radiator • Hydraulic trailer brake • Eco-Mode transmission • Hydraulic pump with increased capacity of up to 50 l/min • Transmission with 540-1000 rpm PTO • Transmission with 540S-540E rpm PTO • Hydraulic engine with capacity regulator • Dust and dirt protection kit consisting of 3 transparent polycarbonate shields (only for roll-bar versions)

TGF 8900 R narrow version:

Power lift with rigid arms without lateral stabilisers, with adjustable rods and hooks that can be positioned for Cat. 1 or Cat. 2.
Dimensions: minimum external width with 8.25-16 front tyres and 280/85 R20 rear tyres: 1285 mm



Wheels

Dimensions (mm/inch)

Front	Rear	A	B	C	C'	D	D'	E	G	H**	I	I'	P	P'	L*	L'*	M*	M1*	N*	N1*	O*	O1*
8.25-16	280/85 R20	3540÷3825	1225	1565	1630	750	685	1163	245	1743	2316	2316	1783	1783	1330	1330	1100	1100	1345	1345	1050	1050
250/80-16	320/70 R20	3540÷3825	1225	1565	1630	750	685	1134	216	1714	2287	2287	1754	1754	1345	1385	1105	1145	1300	1370	980	1050
7.50 R18	320/85 R20	3540÷3825	1225	1565	1630	750	685	1181	263	1761	2334	2334	1801	1801	1295	1295	1080	1080	1300	1375	980	1060
250/80-18	320/85 R20	3540÷3825	1225	1565	1630	750	685	1186	268	1766	2339	2339	1806	1806	1315	1380	1065	1130	1300	1375	980	1060
280/70 R18	360/70 R20	3540÷3825	1225	1565	1630	750	685	1175	257	1755	2328	2328	1795	1795	1420	1420	1140	1140	1415	1415	1060	1060
260/70 R16	340/65 R18	3540÷3825	1225	1565	1630	750	685	1136	218	1716	2289	2289	1740	1740	1380	1380	1120	1120	1365	1400	1020	1055
320/65 R18	420/65 R20	3540÷3825	1225	1565	1630	750	685	1183	265	1763	2336	2336	1803	1803	1460	1460	1140	1140	1550	1550	1130	1130
• 320/70 R20	• 360/70 R24	3540÷3825	1225	1565	1630	750	685	1233	315	1813	–	2386	–	–	–	1460	–	1140	–	1475	–	1120
• 320/70 R20	• 420/65 R24	3540÷3825	1225	1565	1630	750	685	1233	315	1813	–	2386	–	–	–	1495	–	1175	–	1535	–	1115

• Wheels not available with Protector cab

...¹ Transmission for wheels up to 24"

*Min. external width

**Height calculated with the operator of average height sitting (cm/in 175/68.9)

DIMENSIONS: TGF 8900 R



Front wheels

8.25-16	250/80-16	280/70 R18	260/70 R16	320/65 R18	250/80-18	320/70 R20	320/70 R20
Q 230	250	280w	260	320	250	320	320

Rear wheels

280/85 R20	320/70 R20	360/70 R20	340/65 R18	420/65 R20	320/85 R20	360/70 R24	420/65 R24
Q 275	320	360	340	420	320	360	420