

# TECHNICAL DATA: TGF 10900 R

|                                  |  |  |
|----------------------------------|--|--|
| <b>Chassis</b>                   | "ACTIO™" – Full chassis with oscillation • Steering wheels • 4 unequal wheel drive<br>• Front and rear final drive   |  |
| <b>Engine Type</b>               | Diesel direct injection Common Rail with counter rotating weight system<br>Emissions Regulations: Stage 3B      N° Cylinders: 4 - 16 Valves • Turbo<br>Displacement (CC): 3769      Power kW/HP (97/68/CE): 72,1/98<br>Maximum engine revs: 2400      Torque max (Nm/revs): 330/1500<br>Cooling: Water      Tank Capacity (litres): 50 |  |
| <b>Transmission</b>              | 32-speed synchronised gearbox: 16 forward + 16 reverse gears with synchronised shuttle<br>Central tunnel free of levers, with gear lever located to the right of the steering wheel and<br>shuttle control on the right of the driving position - Cruise control   |  |
| <b>PTO</b>                       | Rear, independent 540/540E rpm, synchronised in all gears<br>Oil-immersed multiplate clutch with progressive electro-hydraulic engagement  |  |
| Shaft                            | Profile 1" 3/8 with 6 splines with facilitated engagement  |  |
| <b>Transmission clutch</b>       | Hydraulic control  |  |
| <b>Drive disengagement</b>       | Electrohydraulic control on the front  |  |
| <b>Hydraulic system</b>          | 3 double-acting remote valves including 1 float + oil return<br>2 pumps with independent circuits  |  |
| Rear power lift                  | 3-point linkage with Damping function for road transfer<br>FLM and position and draft control (roll bar version)<br>Maximum lift height setting with position and draft control<br>Operating Pressure (bar): 160<br>Lifting capacity (Kg): 2400  |  |
| <b>Steering</b>                  | Hydraulic steering wheel with through-rod cylinder   |  |
| <b>Brakes</b>                    | Hydraulic front/rear oil bath disc brakes; independent hydraulic rear steering brakes<br>Automatic emergency and parking oil bath brakes on transmission   |  |
| <b>Platform</b>                  | Suspended on Silent Block  |  |
| <b>Weight</b> in order of speed: | With roll bar (Kg): 2305 ÷ 2555  | With Protector 100 cab (kg): 2435 ÷ 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

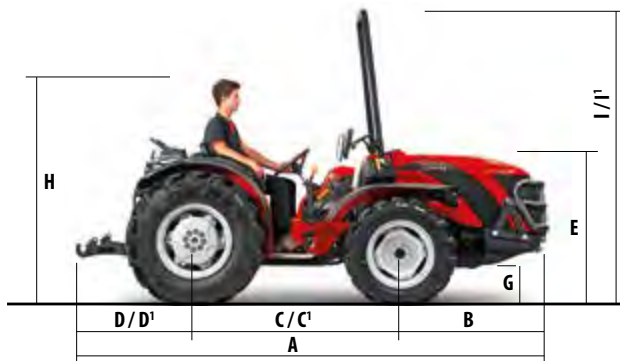
"PROTECTOR 100" cab on Silent Block mountings, with heating, soundproofing and air conditioning; "Digital Air Control" to control cab internal pressure, certified to category 1 or (on request) category 4; Extra comfort raised roof with spherical profile • Support for 6/4 front counterweights • Adjustable 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

## TGF 10900 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



# DIMENSIONS: TGF 10900 R



## Front wheels

|                |                  |                    |                   |                   |                   |                  |                   |                   |
|----------------|------------------|--------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|
|                |                  |                    |                   |                   |                   |                  |                   |                   |
| <b>8.25-16</b> | <b>250/80-16</b> | <b>300/80-15.3</b> | <b>280/70 R18</b> | <b>260/70 R16</b> | <b>320/65 R18</b> | <b>250/80-18</b> | <b>320/70 R20</b> | <b>320/70 R20</b> |
| <b>Q</b> 230   | 250              | 300                | 280               | 260               | 320               | 250              | 320               | 320               |

## Rear wheels

|                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                   |                   |                   |                   |                   |                   |                   |                   |                   |
| <b>280/85 R20</b> | <b>320/70 R20</b> | <b>360/70 R20</b> | <b>360/70 R20</b> | <b>340/65 R18</b> | <b>420/65 R20</b> | <b>320/85 R20</b> | <b>360/70 R24</b> | <b>420/65 R24</b> |
| <b>Q</b> 275      | 320               | 360               | 360               | 340               | 420               | 320               | 360               | 420               |

## Wheels

## Dimensions (mm/inch)

| Front               | Rear                | A         | B    | C    | C'   | D   | D'  | E    | G   | H**  | I    | I'   | P    | P'   | L*   | L'*  | M*   | M'*  | N*   | N'*  | O*   | O'*  |
|---------------------|---------------------|-----------|------|------|------|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>8.25-16</b>      | <b>280/85 R20</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1163 | 245 | 1743 | 2316 | 2316 | 1783 | 1783 | 1330 | 1330 | 1100 | 1100 | 1345 | 1345 | 1050 | 1050 |
| <b>250/80-16</b>    | <b>320/70 R20</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1134 | 216 | 1714 | 2287 | 2287 | 1754 | 1754 | 1345 | 1385 | 1105 | 1145 | 1300 | 1370 | 980  | 1050 |
| <b>300/80-15.3</b>  | <b>360/70 R20</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1145 | 227 | 1725 | 2298 | 2298 | 1765 | 1765 | 1470 | 1470 | 1170 | 1170 | 1415 | 1415 | 1060 | 1060 |
| <b>7.50 R18</b>     | <b>320/85 R20</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1181 | 263 | 1761 | 2334 | 2334 | 1801 | 1801 | 1295 | 1295 | 1080 | 1080 | 1300 | 1375 | 980  | 1060 |
| <b>250/80-18</b>    | <b>320/85 R20</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1186 | 268 | 1766 | 2339 | 2339 | 1806 | 1806 | 1315 | 1380 | 1065 | 1130 | 1300 | 1375 | 980  | 1060 |
| <b>280/70 R18</b>   | <b>360/70 R20</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1175 | 257 | 1755 | 2328 | 2328 | 1795 | 1795 | 1420 | 1420 | 1140 | 1140 | 1415 | 1415 | 1060 | 1060 |
| <b>260/70 R16</b>   | <b>340/65 R18</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1136 | 218 | 1716 | 2289 | 2289 | 1740 | 1740 | 1380 | 1380 | 1120 | 1120 | 1365 | 1400 | 1020 | 1055 |
| <b>320/65 R18</b>   | <b>420/65 R20</b>   | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1183 | 265 | 1763 | 2336 | 2336 | 1803 | 1803 | 1460 | 1460 | 1140 | 1140 | 1550 | 1550 | 1130 | 1130 |
| <b>• 320/70 R20</b> | <b>• 360/70 R24</b> | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1233 | 315 | 1813 | –    | 2386 | –    | –    | –    | 1460 | –    | 1140 | –    | 1475 | –    | 1120 |
| <b>• 320/70 R20</b> | <b>• 420/65 R24</b> | 3540÷3825 | 1225 | 1565 | 1630 | 750 | 685 | 1233 | 315 | 1813 | –    | 2386 | –    | –    | –    | 1495 | –    | 1175 | –    | 1535 | –    | 1115 |

• Wheels not available with Protector cab

...<sup>1</sup> Transmission for wheels up to 24"

\*Min. external width

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