TELESCOPIC ARM

WHEEL LOADER
TELESCOPIC ARM

 DIESEL ENGINE

Engine: 4 cylinders, common rail, water cooled, with EGR, DOC and SCR. Emission according to Directive 97/68 stage IV.

Type: Deutz TCD 3.6
Max. power: 100 kW - 136 HP
Rated rpm: 2,200
Power ISO/IR 14399: 100 kW - 136 HP
Power EEC 80/1989: 100 kW - 136 HP
Bore: mm 98
Stroke: mm 120
Displacement: cm³ 3.620

 ELECTRIC SYSTEM

Battery: 12 Volt
Capacity EN 60095-1: 110 Ah - 800 A
Alternator rating: 98 A
Reverse warning: Standard
Wiring according to: IP 67 - DIN 40050

 TRANSMISSION

Venieri electronic powershift VEPS with electronic management. Six automatic forward speeds and three automatic reverse speeds.

<table>
<thead>
<tr>
<th>Gear</th>
<th>Max speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>km/h 0 + 6</td>
</tr>
<tr>
<td>2nd</td>
<td>km/h 0 + 9</td>
</tr>
<tr>
<td>3rd</td>
<td>km/h 0 + 14</td>
</tr>
<tr>
<td>4th</td>
<td>km/h 0 + 25</td>
</tr>
<tr>
<td>5th</td>
<td>km/h 0 + 38</td>
</tr>
<tr>
<td>6th</td>
<td>km/h 0 + 43</td>
</tr>
</tbody>
</table>

 AXLES

Four wheel drive. Planetary final drives on each wheel.
Fixed rigid drive axle on front chassis section
Oscillating drive axle on rear chassis section up to a total angle of 18°. Self-locking limited slip differential on front axle (optional on rear axle).

 BRAKE

Service: hydraulic multi-disc oil brake on front and rear axles.
Parking brake: mechanical disc brake manually actuated.

 TYRES

Standard agricultural tyres: 460/70 R24
Optional agricultural tyres: 500/70 R24
Optional industrial tyres: 405/70 R24

HYDRAULIC SYSTEM

Hydraulic gear pump with LOAD SENSING priority valve for steering circuit and gear pump for auxiliary function.
Modular distributor Flow Sharing with main relief valve.
Servo-controlled joysticks with all proportional controls.

 HYDRAULIC SYSTEM

Total steering angle: 90°
Inner tyres turning radius: mm 1,398
External tyres turning radius: mm 4,306
External bucket turning radius*: mm 4,790
* Bucket on traveling position

 SERVOS

Servo-assisted steering LOAD SENSING system.

 TELEMATIC FEATURES

Operative load with forks EN474-3 (80%) - telescopic retracted

 Max. power: 100 kW - 136 HP

 Maximum loading height with forks - telescopic extended

 Hinge pin height - telescopic retracted

 Hinge pin height - telescopic extended

 TECHNICAL FEATURES

Operative load with forks EN474-3 (80%) - telescopic retracted

 Max. power: 100 kW - 136 HP

 Dimensions and weight

Max. length in transfer position (STD bucket) mm 6,555
Max. width in transfer position mm 2,430
Max. height mm 2,710
Track width - standard tyres mm 1,870
Overall standard tyre width mm 2,340
Wheel base mm 2,550
Ground clearance mm 290
Max. operative weight kg 5,200

 Optional industrial tyres: 405/70 R24

idades and weight

Max. length in transfer position (STD bucket) mm 6,555
Max. width in transfer position mm 2,430
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Track width - standard tyres mm 1,870
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 TYRES

Standard agricultural tyres: 460/70 R24
Optional agricultural tyres: 500/70 R24
Optional industrial tyres: 405/70 R24

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 MAX 3.2 t
TELESCOPIC ARM

8.63TL
WHEEL LOADER
TELESCOPIC ARM

DIESEL ENGINE

Engine: 4 cylinders, common rail, water cooled, with EGR, DOC and DPF. Emission according to Directive 97/68/EC stage IV.

Type: Deutz TCD 3.8
Max. power: 100 kW - 136 HP
Rated rpm: 2,200
Power ISO/TR 14396: 100 kW - 136 HP
Power EEC 80/1269: 100 kW - 136 HP
Bore: mm 98
Stroke: mm 120
Displacement: cm³ 3,620

ELECTRIC SYSTEM

Battery: 12 Volt
Capacity En 60095-1: 110 Ah - 800 A
Alternator: 98 A
Reverse wiring: Standard
Wiring according to: IP 67 - DIN 40050

TRANSMISSION

Venieri electronic powershift VEPS with electronic management. Six automatic forward speeds and three automatic reverse speeds.

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<tr>
<td>5th</td>
<td>km/h 0+28</td>
</tr>
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<td>6th</td>
<td>km/h 0+40</td>
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AXLES

Four wheel drive. Planetary final drives on each wheel. Fixed rigid drive axle on front chassis section. Oscillating drive axle on rear chassis section up to a total angle of 18°. Self-locking limited slip differential on front axle (optional on rear axle).

BRAKE

Service: hydraulic multi-disc oil brake on front and rear axles. Parking brake: mechanical disc brake manually actuated.

TELESCOPIC ARM

Telescopic boom with Z-bar linkage and compensation system to ensure parallelism. Anti-slipper device and safety block valves. Telescopic boom cylinder with brake. Ride control on request.

SERVICES CAPACITIES

Engine: lit 9
Front axle: lit 9.2
Rear axle: lit 9.1
Hydraulic circuit: lit 150
Brake system: lit 0.9
Fuel: lit 160
Water cooling: lit 9
AdBlue: lit 28

TECHNICAL FEATURES

Operative load with forks EN474-3 (80%) - telescopic retracted:
- Kg 3,200
- Maximum loading height with forks - telescopic extended: mm 5,255
- Hinge pin height - telescopic extended: mm 5,470
- Hinge pin height - telescopic retracted: mm 4,070

DIMENSIONS AND WEIGHT

Max. lenght in transfer position (STD bucket): mm 6,555
Max. width in transfer position: mm 2,430
Max. height: mm 2,710
Track width - standard tyres: mm 1,870
Overall standard tyre width: mm 2,340
Wheel base: mm 2,550
Ground clearance: mm 290
Max. operative weight: kg 5,200

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