**WHEEL LOADER**

**Features**
- Maximum visibility from the cab
- Top-class quick-attach system
- Excellent parallel kinematics
- 2 doors
- Comfort cab with comfort steering
- Easy-handling joystick with third and fourth control circuit in one hand
- Terex Smart Control (TSC)
- Excellent service access
- Central pivot with floating axle, the same as on larger wheel loaders
- Automatic self-locking differentials in both axles

**Specifications**
- Operating weight: 7000 kg
- Engine power: 74.4 kW (101 HP)
- Bucket capacity: 1.2-1.8 m³
- Tipping load, straight: 5000 kg
- Tipping load, articulated: 4400 kg
SPECIFICATIONS

ENGINE
Manufacturer, model: Deutz, TCD3.6 L4
Type: 4-cylinder turbo diesel engine with intercooler, EU Stage IV / Tier4 Final
Combustion: 4-stroke cycle, Common Rail injection
Displacement: 3600 cm³
Net power rating at 2200 rpm (ISO 9249): 74.4 kW (101 hp)
Cooling system: Water

ELECTRICAL SYSTEM
Nominal voltage: 12 V
Lighting system in compliance with German and European standards

POWER TRANSMISSION
Hydraulic drive, closed circuit, independent from loader hydraulics. Perfected driving automatics, automatic adjustment of drawbar pull and speed. Hydraulic motor power shift providing two speed ranges. Infinitely variable speed control forward and reverse. 2 speed ranges:
- "Low" 0-6 kph
- "High" 0-20 kph
4 speed ranges (high-speed version optional):
- "Low" 0-6 / 0-19 kph
- "High" 0-11 / 0-36 kph

AXLES
Front: Rigid planetary final drive axle, center-mounted drum brake. Limited slip-type differential 45%.
Rear: Oscillating (with cushioning) planetary final drive axle, with integrated reduction gear. Limited slip-type differential 45%.
Angle of oscillation: ±8°

TIRES
Standard: 405/70 R 20 SPT 9 Dunlop

BRAKES
Service brake: Hydraulically actuated center-mounted drum brake, acting on all 4 wheels via 4-wheel drive.
Auxiliary brake: Hydraulically actuated center-mounted drum brake on front axle.
Parking brake: Mechanically actuated center-mounted drum brake on front axle.

STEERING
Articulated, 2 steering cylinders with final positioning damping on both sides, fully hydraulic through Load-Sensing priority valve, quick and easy steering even at engine idle-running speed.
Total steering angle: 80°

FLUID CAPACITIES
Fuel tank: 110 l
Ad Blue tank: 10 l
Hydraulic system (incl. tank): 93 l

OPERATING DATA, STANDARD EQUIPMENT
Operating weight (ISO 6016): 7000 kg
Tipping load, straight at full reach (ISO 14397-1): 5000 kg
Tipping load, articulated at full reach (ISO 14397-1): 4400 kg
Total length, bucket on ground: 5480 mm
Total width: 2100 mm
Turning radius at outside bucket edge: 4680 mm
Wheelbase: 2290 mm
Total height (top of cab): 2780 mm

HYDRAULIC SYSTEM
Pump capacity: 78 l/min
Working pressure: 250 bar
Control unit: Proportional hydraulic valve with 3 control circuits, supplying work functions “Lift / Lower”, “Dump / Tilt-back with high-speed control” and “3rd control circuit (3rd additional control circuit)”. Simultaneous, independent control of all movements.
Hydraulic cylinders: 1 lifting cylinder, 1 tilt cylinder, all dual-action
The thermostatically controlled oil circuit ensures that the oil temperature is promptly reached and avoids overheating. Return filter installed in hydraulic tank allows for eco-friendly replacement of filter elements.
Teter ‘Fingertip’ control for 3rd control circuit, electro-proportional, oil flow limitation via machine function display, continuous operation. Installation on loader frame incl. couplings.
Hydraulically switchable float position by overdriving the pressure point “Lower” on the joystick, electrically switchable continuous operation function.
Single, four-way control lever (joystick) with integrated direction-of-travel switch and switch for additional control circuit.

LOADER FRAME
Loader installation featuring true parallel linkage and integrated mechanical (optionally hydraulic) quick-attach system.
General-purpose bucket (ISO 7546): 1.20 m³
Lift capacity at ground level (ISO 14397-2): 71,000 N
Breakout force at bucket edge (ISO 14397-2): 59,000 N

FORK LIFT ATTACHMENT
Operating load over the total lift and steering range: 2800 (3100*) kg
Operating load in transport position, approx. 300 mm above ground level, total steering range: 3500 kg
Width of fork carrier: 1240 mm
Length pallet forks (140x50 mm): 1120 mm
Stability factor: 1.25
Operating load determined on level ground = 80 % of tipping load, articulated

CAB
Rubber-mounted full-vision steel cab, ROPS (EN ISO 3471) and FOPS** (EN ISO 3449) certified.
Cab featuring two doors, electric windshield intermittent wipers and washer (front and rear), tinted panoramic safety glass, sliding window on left-hand side.
Driver’s seat MSG85 (standard version) with hydraulic cushioning and lap belt, weight-adjustable, in compliance with ISO 7086 and ISO 6683.
Cab heating with 3-speed heater fan (choice fresh air/recirculating air) and windshield defroster, front and rear.
Air conditioning and radio pre-installation.
Steering wheel with height and tilt adjustment.
2 working floodlights, front.
Sound power level Lw: 101 dB (A)
Sound pressure level Lp: 74 dB (A)
Sound level values measured in compliance with Directive 2000/14/EC and EN474.
Effective values of acceleration for whole body: less than 0.5 m/s²
Effective values of acceleration for hand-arm: less than 2.5 m/s²
*With rear axle weights
**FOPS-approved only with skylight guard (optional)
**DIMENSIONS: GENERAL-PURPOSE BUCKET**

Capacity in compliance with ISO 7546: 1.20 m³
Max. density of material: 1.8 t/m³

**FORK LIFT ATTACHMENT**

Operating load over total lift range: 2900 (3100*) kg
Operating load in transport position: 3500 kg

*With rear axle weights

**MULTI-PURPOSE BUCKET**

Capacity in compliance with ISO 7546: 1.05 m³
Max. density of material: 1.6 t/m³

**BUCKET TYPE**

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Contents</th>
<th>Density</th>
<th>Width</th>
<th>Dump Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>General-purpose bucket, quick-attach system (QAS), teeth</td>
<td>1.20 m³</td>
<td>1.8 t/m³</td>
<td>2100 mm</td>
<td>2750 mm</td>
</tr>
<tr>
<td>General-purpose bucket, QAS, bolt-on cutting edge</td>
<td>1.20 m³</td>
<td>1.8 t/m³</td>
<td>2100 mm</td>
<td>2700 mm</td>
</tr>
<tr>
<td>Earth bucket, QAS, teeth</td>
<td>1.35 m³</td>
<td>1.8 t/m³</td>
<td>2100 mm</td>
<td>2660 mm</td>
</tr>
<tr>
<td>Earth bucket, QAS, bolt-on cutting edge</td>
<td>1.35 m³</td>
<td>1.2 t/m³</td>
<td>2100 mm</td>
<td>2610 mm</td>
</tr>
<tr>
<td>Light-material bucket, bolt-on cutting edge</td>
<td>1.55 m³</td>
<td>1.2 t/m³</td>
<td>2200 mm</td>
<td>2550 mm</td>
</tr>
<tr>
<td>Light-material bucket, bolt-on cutting edge</td>
<td>1.80 m³</td>
<td>0.8 t/m³</td>
<td>2200 mm</td>
<td>2785 mm</td>
</tr>
<tr>
<td>Multi-purpose bucket, QAS</td>
<td>1.05 m³</td>
<td>1.6 t/m³</td>
<td>2100 mm</td>
<td>2700 mm</td>
</tr>
<tr>
<td>Side-dump bucket, QAS, without teeth</td>
<td>0.85 m³</td>
<td>1.8 t/m³</td>
<td>2100 mm</td>
<td>2665 mm</td>
</tr>
<tr>
<td>High-tip bucket, QAS, without teeth</td>
<td>1.20 m³</td>
<td>1.2 t/m³</td>
<td>2100 mm</td>
<td>3570 mm</td>
</tr>
<tr>
<td>High-tip bucket, QAS, without teeth</td>
<td>1.80 m³</td>
<td>2.0 t/m³</td>
<td>2200 mm</td>
<td>4030 mm</td>
</tr>
<tr>
<td>Quarry bucket, QAS</td>
<td>0.95 m³</td>
<td>2.15 t/m³</td>
<td>2100 mm</td>
<td>2780 mm</td>
</tr>
<tr>
<td>Compost bucket</td>
<td>1.20 m³</td>
<td>2.15 t/m³</td>
<td>2100 mm</td>
<td>2750 mm</td>
</tr>
</tbody>
</table>

**EXAMPLES OF MATERIAL DENSITIES**

Granite, basalt, sand (damp), gravel (damp), slate: 1.8 - 2.2 t/m³
Sandstone, gypsum, limestone, soil (damp), sand (dry), gravel (dry): 1.5 - 1.8 t/m³
Topsoil, clay, mineral coal: 1.1 - 1.6 t/m³
Wood chips (dry), compost, coke: 0.2 - 1.0 t/m³
OPTIONAL EQUIPMENT

TIRES
- 405/70 R 20 EM 01 Mitas
- 400/70 R 20 IT530 Goodyear
- 380/75 R 20 XZSL Michelin
- 16/70-20 EM E 91-2 Dunlop
- 420/75 R 20 XMCL Michelin
- 405/70 R 20 MPT E-70 Centi

Non-standard tires available on request

FRONT ATTACHMENTS
- General-purpose bucket*: 1.20 m³
- Earth bucket*: 1.35 m³
- Light-material bucket*: 1.55 m³
- Light-material bucket*: 1.80 m³
- Side-dump bucket*: 0.85 m³
- High-tip bucket*: 1.20 m³ / 1.80 m³
- Multi-purpose bucket*: 1.05 m³
- Quarry bucket: 0.95 m³
- Compost bucket: 1.20 m³

Front ripper with 4 prongs
Fork lift attachment: Fork carrier, 1240 mm wide
Forks, 1120 mm long, 140 mm wide, 50 mm high
Load hook, attachable on fork arms
Load hook, integrated in quick-attach system
Crane jib with rigid arm
Crane jib, telescopic (mechanical)
Snow blade
*optionally with belt-on cutting edge

DRIVER’S STAND
- Operator’s seat MSG 85 (comfort version), hydraulic damping, extra-high backrest, weight-adjustable, lap belt
- Air-cushioned operator’s seat MSG 95 (premium version) with orthopedic lumbar support, extra-high backrest, adjustable armrests, seat and backrest heating

HYDRAULIC SYSTEM
- 4th control circuit, Terex ‘Fingertip’ control, (electro-proportional control) and installation on lift frame incl. couplings and continuous operation e.g. for attachments with 2 hyd. functions
- Open return, on lift frame

Ride control system

OTHER OPTIONAL EQUIPMENT
- High-speed version 36 kph
- Manual throttle, transmission deactivated
- Filling with biodegradable hydraulic oil, ester-based, BIO-E-HYD-HEES
- Anti-theft device (immobilizer)
- Electrical tank refilling pump
- Rear axle weights
- Pilot-controlled hose-rupture valves for lift and tilt cylinders
- Central lubrication system
- Back-up alarm for reverse travel
- Battery disconnector

www.terex.com/construction

Effective Date: Wednesday, May 01, 2013. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator’s Manual for instructions on the proper use of this equipment. Failure to follow the corresponding Operator’s Manual when using our equipment or to otherwise act responsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product. Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. “Terex” is a registered trademark of Terex Corporation in the USA and many other countries.

Copyright © 2016 Terex Corporation (R10_010416)

Ref. no.: TEREX571EN