WHEEL LOADER

Features

- Transverse-mounted diesel engine, high performance, minimized fuel consumption, low emissions
- Hydrostatic travel drive, high traction power, infinitely variable speed control by driving automatics, optimum driving performance in all ground conditions, wear-free braking
- Powerful hydraulics, high lifting and ripping forces
- Excellent parallel kinematics for synchronized parallel operation of bucket and fork lift attachment over the entire lifting height
- Ease of operation, hydraulic pilot control, multi-function joystick for intuitive control
- Wide range of proven working tools
- Convincing serviceability, long maintenance intervals

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>4900 kg</td>
</tr>
<tr>
<td>Engine power</td>
<td>45 kW (61 hp)</td>
</tr>
<tr>
<td>Bucket capacity</td>
<td>0.8-1.2 m³</td>
</tr>
<tr>
<td>Tipping load, straight</td>
<td>3770 kg</td>
</tr>
<tr>
<td>Tipping load, articulated</td>
<td>3330 kg</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS**

**ENGINE**
Manufacturer, model: Deutz, TCD 2.9 L4
Type: Turbo diesel engine with intercooler, exhaust-gas optimized
Combustion: 4-stroke cycle, Common Rail injection
Number of cylinders: 4 in line
Displacement: 2900 cm³
Net power rating at 2,200 rpm (ISO 14396): 45 kW (61 hp)
Max. torque: 240 Nm @ 1600 rpm
Cooling system: Water

**ELECTRICAL SYSTEM**
Nominal voltage: 12 V
Battery: 12 V / 77 Ah / 760 A (DIN-EN50342)
Generator: 14 V / 95 A
Starter: 12 V / 2.6 kW (3.5 hp)
Cold-starting aid: Glow plugs 12 V
Lighting system: In compliance with StVZO and European standards, halogen H7 headlamps, 2 working floodlights front

**POWER TRANSMISSION**
Hydrostatic drive, closed circuit, independent from loader hydraulics. Perfected driving automatics, automatic optimization and adjustment of drawbar pull and speed. Hydraulic motor power shift providing two speed ranges. Infinitely variable speed control forward and reverse. 4-wheel drive from reduction gear on rear axle via cardan shaft to front axle. Inch-brake-drive pedal for sensitive driving and stopping at high rpm.

2 speed ranges:
- "Low": 0-4 kph
- "High": 0-20 kph

4 speed ranges (high-speed version optional):
- "Low": 0-5 / 0-10 kph
- "High": 0-16 / 0-36 kph

**AXLES**
Front: Rigid planetary final drive axle, center-mounted disc brake. Limited slip-type differential 35%.
Rear: Oscillating (with cushioning) planetary final drive axle, with integrated reduction gear. Limited slip-type differential 35%.
Angle of oscillation: ±10°

** BRAKES**
Service brake: Hydraulically actuated center-mounted disc brake, acting on all 4 wheels via 4-wheel drive.
Auxiliary brake: Hydrostatic through closed-circuit travel drive.
Parking brake: Mechanically actuated center-mounted disc brake on front axle.

**TIRES**
Standard: 405/70 R 18 SPT9 Dunlop

**STEERING**
Articulated steering, fully hydraulic, 1 steering cylinder with final positioning damping on both sides, oil supply via Load-Sensing priority valve, quick and easy steering even at engine idle-running speed.
Total steering angle: 80°

**FLUID CAPACITIES**
Fuel tank: 75 l
Hydraulic system (incl. tank): 55 l

**NOISE LEVEL**
Sound pressure level (LpA) in cab: 75 dB(A)
Sound power level (LwA) around the machine according to 2000/14/EC: 101 dB(A)

**OPERATING DATA, STANDARD EQUIPMENT**

- Operating weight (ISO 8018): 4900 kg
- Transport weight: 4800 kg
- Tipping load, straight (ISO 14397-1): 3770 kg
- Tipping load, articulated (ISO 14397-1): 3330 kg
- Total length, bucket on ground: 5060 mm
- Total width: 1850 mm
- Turning radius at outside bucket edge: 4160 mm
- Wheelbase: 2100 mm
- Total height (top of cab): 2640 mm

**HYDRAULIC SYSTEM**
- Pump capacity: 64 l/min
- Working pressure: 250 bar
- Control unit: Proportional hydraulic valve with 3 control circuits, supplying work functions "Lift / Lower", "Load / Dump - tilt back with high-speed central" and "3rd control circuit (1st 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.

**FORK LIFT ATTACHMENT**
Operating load over the total lift and steering range: 2650 (2250) kg
Operating load in transport position, approx. 300 mm above ground level, total steering range: 2500 kg
Width of fork carrier: 1240 mm
Length pallet forks (100 x 45 mm): 1100 mm
Stability factor: 1.25

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**TEREX®**
**DIMENSIONS: GENERAL-PURPOSE BUCKET**

Capacity (ISO 7546): 0.80 m³
Max. density of material: 1.8 t/m³

**FORK LIFT ATTACHMENT**

Operating load over total lift range: 2050 (2250*) kg
Operating load in transport position: 2500* kg
*With rear axle weights

**MULTI-PURPOSE BUCKET**

Capacity (ISO 7546): 0.75 m³
Max. density of material: 1.6 t/m³

**BUCKET TYPE**

<table>
<thead>
<tr>
<th>Contents</th>
<th>Density</th>
<th>Width</th>
<th>Dump height</th>
</tr>
</thead>
<tbody>
<tr>
<td>General-purpose bucket, QAS, teeth</td>
<td>0.80 m³</td>
<td>1.8 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>General-purpose bucket, QAS, bolt-on cutting edge</td>
<td>0.80 m³</td>
<td>1.8 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Earth bucket, QAS, teeth</td>
<td>0.90 m³</td>
<td>1.6 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Earth bucket, QAS, bolt-on cutting edge</td>
<td>0.90 m³</td>
<td>1.6 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Light-material bucket, bolt-on cutting edge</td>
<td>1.00 m³</td>
<td>1.2 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Light-material bucket, bolt-on cutting edge</td>
<td>1.20 m³</td>
<td>0.8 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Multi-purpose bucket, QAS</td>
<td>0.75 m³</td>
<td>1.6 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Multi-purpose bucket, QAS, bolt-on cutting edge</td>
<td>0.75 m³</td>
<td>1.6 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Side-dump bucket, QAS, without teeth</td>
<td>0.70 m³</td>
<td>1.8 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>High-tip bucket, QAS, without teeth</td>
<td>0.70 m³</td>
<td>1.8 t/m³</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Quarry bucket, QAS</td>
<td>0.70 m³</td>
<td>1.8 t/m³</td>
<td>1850 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 - 1.9 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 18 EM 01 Mitas
340/80 R 18 TR 2 Nokian
340/80 R 20 XMCL Michelin
335/80 R 20 MPT E-70 Centinental
400/70 R 20 IT520 Goodyear
405/70 R 20 SPT9 Dunlop
405/70 R 20 EM01 Mitas
500/45-20 J331 Alliance (wide tires)
Non-standard tires available on request

DIESEL ENGINE
Diesel engine with diesel particulate filter (DPF) Guard for fan wheel

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
4th control circuit, single-acting, Terex ‘Fingertip’ control, (electro-proportional control) with pressureless return and installation at rear-end
4th control circuit, High-Flow, 115 l/min, 180 bar, (electro-proportional control) and installation on lift frame incl. couplings
Hydraulic outlet for front hand-held hammer, with flow divider

QUICK-ATTACH SYSTEMS
Quick-attach system, hydraulic
Quick-attach system, hydraulic (Atlas)
Hydraulic installation for hydraulic quick-attach system

FRONT ATTACHMENTS
General-purpose bucket* 0.80 m³
Earth bucket* 0.90 m³
Light-material bucket* 1.00 m³
Light-material bucket* 1.20 m³
Side-dump bucket* 0.70 m³
High-tip bucket* 0.70 m³
Multi-purpose bucket* 0.75 m³
Quarry bucket 0.55 m³
Composite bucket 0.95 m³

FORK LIFT ATTACHMENTS
Fork lift attachment: Fork carrier, 1240 mm wide
Forks, 1100 mm, 100 x 45 mm
Forks, 1200 mm, 100 x 45 mm
Forks, 1500 mm, 100 x 45 mm
Forks, 1200 mm long, 120 x 50 mm, foldable (SVZK approval possible)
Load hook, attachable on fork arms

DRIVER’S STAND
Operator’s seat MSG 55 (comfort version), hydraulic damping, extra-high backrest, weight-adjustable, lap belt
Air-cushioned operator’s seat MSG 55 (premium version) with orthopedic lumbar support, extra-high backrest, adjustable armrests, headrest, seat and backrest heating
Engine-independent diesel heater with timer
Fire extinguisher

CAB
FOPS-skylight guard Yellow beacon
Right-hand door with sliding window Radio installation kit
Working floodlight, rear Air-conditioning

HORSE-TRACTOR
High-speed version 36 kph Anti-theft device (immobilizer)
Filling with biodegradable hydraulic oil, ester-based, BIO-E-HYD-HEES Special creep versions available on request
Electrical tank refilling pump Rear axle weights, approx. 260 kg
Pilot-controlled hose-rupture valves for lift and tilt cylinders Quick couplers (flat face) for 3rd control circuit on lift frame
Back-up alarm for reverse travel Ride control system
Central lubrication system Battery disconnector
Trailer coupling (Rockinger) Acceptance as agricultural or forestry tractor
Manual throttle, transmission deactivated
Further optional equipment available on request

OTHER OPTIONAL EQUIPMENT

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