COMPACT WHEEL LOADER

**Features**
- Maximum visibility from the cab
- Easy-to-use quick coupler
- Excellent parallel kinematics
- 2 doors
- Comfortable cab with responsive steering
- Easy-handling joystick with third and fourth control circuit in one hand
- YANMAR 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: 15,432 lbs (7,000 kg)
- Engine power: 100 HP (74.4 kW)
- Bucket capacity: 1.57-2.35 yd³ (1.2-1.8 m³)
- Tipping load, straight: 11,023 lbs (5,000 kg)
- Tipping load, articulated: 9,700 lbs (4,400 kg)
**SPECIFICATIONS**

### OPERATING DATA, STANDARD EQUIPMENT

- **Operating weight (SAE J 1945)**: 15,432 lbs (7,000 kg)
- **Tipping load, straight at full reach (ISO 14397-1)**: 11,023 lbs (5,000 kg)
- **Tipping load, articulated at full reach (ISO 14397-1)**: 9,700 lbs (4,400 kg)
- **Total length, bucket on ground**: 17’ 11” (5,480 mm)
- **Total width**: 6’ 11” (2,100 mm)
- **Turning radius at outside bucket edge**: 13’ 4” (4,080 mm)
- **Wheelbase**: 7’ 6” (2,280 mm)
- **Total height (top of cab)**: 9’ 1” (2,780 mm)

### ENGINE

- **Manufacturer, model**: Deutz, TCD3.6 L4
- **Type**: 4-cylinder turbo diesel engine with intercooler, EPA Tier 4 Final / EC Stage IV
- **Combustion**: 4-stroke cycle, Common Rail injection
- **Displacement**: 220 in³ (3,600 cm³)
- **Net power rating at 2,200 rpm (SAE J 1349)**: (100 hp) 74.4 kW
- **Cooling system**: Water

### ELECTRICAL SYSTEM

- **Nominal voltage**: 12 V
- **Battery**: 12 V / 135 Ah
- **Generator**: 14 V / 95 A
- **Starters**: 12 V / 3.5 hp (2.6 kW)
- **Cold-starting aid**: Glow plugs

### POWER TRANSMISSION

- **Hydrostatic drive, closed circuit, independent from loader hydraulics. Perfected driving automatis, automatic optimisation and adjustment of drawbar pull and speed. Hydraulic motor power shifting 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. Inching pedal for sensitive driving and stopping at high rpm.**
- **4 speeds:**
  - “Low” 0-3.7 / 0-11.8 mph (0-6 / 0-19 kph)
  - “High” 0-6.8 / 0-22 mph (0-11.8 / 0-36 kph)

### AXLES

- **Rigid front axle with 45% limited slip differential. Oscillating rear axle with 45% limited slip differential. Center-mounted disc brake.**

### 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**: Hydrostatic through closed-circuit travel drive.
- **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 deg.

### FLUID CAPACITIES

- **Fuel tank**: 29 gal (110 l)
- **Hydraulic system (incl tank)**: 25 gal (95 l)
- **Ad Blue Tank**: 2.6 gal (10 l)
- **Engine coolant**: 3.9 gal (15 l)
- **Engine oil**: 2 gal (8 l)

### HYDRAULIC SYSTEM

- **Pump capacity**: 20 gpm (78 l/min)

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### HYDRAULIC SYSTEM

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**DIMENSIONS: GENERAL-PURPOSE BUCKET**

Capacity (SAE J 742): 1.57 yd$^3$ (1.20 m$^3$)
Density of material: Max 3,000 lbs/yd$^3$ (1.8 t/m$^3$)

**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, QC, teeth</td>
<td>1.57 yd$^3$ (1.20 m$^3$)</td>
<td>6' 11&quot; (2,100 mm)</td>
<td>9' 0&quot; (2,750 mm)</td>
</tr>
<tr>
<td>Earth bucket, QC, teeth</td>
<td>1.57 yd$^3$ (1.20 m$^3$)</td>
<td>6' 11&quot; (2,100 mm)</td>
<td>8' 11&quot; (2,710 mm)</td>
</tr>
<tr>
<td>Earth bucket, QC, bolt-on cutting edge</td>
<td>1.77 yd$^3$ (1.35 m$^3$)</td>
<td>6' 11&quot; (2,100 mm)</td>
<td>8' 9&quot; (2,660 mm)</td>
</tr>
<tr>
<td>Light-material bucket, QC, teeth</td>
<td>2.03 yd$^3$ (1.55 m$^3$)</td>
<td>6' 11&quot; (2,100 mm)</td>
<td>8' 11&quot; (2,710 mm)</td>
</tr>
<tr>
<td>Light-material bucket, bolt-on cutting edge</td>
<td>2.35 yd$^3$ (1.80 m$^3$)</td>
<td>7' 3&quot; (2,200 mm)</td>
<td>8' 11&quot; (2,710 mm)</td>
</tr>
<tr>
<td>Multi-purpose bucket, QC</td>
<td>1.37 yd$^3$ (1.05 m$^3$)</td>
<td>5' 11&quot; (2,100 mm)</td>
<td>8' 3&quot; (2,550 mm)</td>
</tr>
<tr>
<td>Side-dump bucket, QC, without teeth</td>
<td>1.11 yd$^3$ (0.85 m$^3$)</td>
<td>6' 11&quot; (2,100 mm)</td>
<td>8' 1&quot; (2,500 mm)</td>
</tr>
<tr>
<td>High-tip bucket, QC, without teeth</td>
<td>1.57 yd$^3$ (1.20 m$^3$)</td>
<td>5' 11&quot; (2,100 mm)</td>
<td>13' 0&quot; (3,970 mm)</td>
</tr>
<tr>
<td>High-tip bucket, QC, with teeth</td>
<td>1.57 yd$^3$ (1.20 m$^3$)</td>
<td>5' 11&quot; (2,100 mm)</td>
<td>13' 3&quot; (4,030 mm)</td>
</tr>
<tr>
<td>Quarry bucket, QC</td>
<td>1.24 yd$^3$ (0.95 m$^3$)</td>
<td>5' 11&quot; (2,100 mm)</td>
<td>9' 1&quot; (2,800 mm)</td>
</tr>
<tr>
<td>Compost bucket</td>
<td>1.57 yd$^3$ (1.20 m$^3$)</td>
<td>5' 11&quot; (2,100 mm)</td>
<td>9' 0&quot; (2,750 mm)</td>
</tr>
</tbody>
</table>

**EXAMPLES OF MATERIAL DENSITIES**

- **Earth (top soil):** 2.550 lbs/yd$^3$ (1.512 kg/m$^3$) - Clay (dry), clay & gravel (wet), earth with sand & gravel:
- **Earth (dry):** 2.650 lbs/yd$^3$ (1.572 kg/m$^3$) - Gravel (sandy), gravel (wet):
- **Earth (moist), clay with gravel (dry):** 3.000 lbs/yd$^3$ (1.780 kg/m$^3$) - Clay (natural bed), clay (wet):
- **Earth (compacted), gravel (dry):** 3.000 lbs/yd$^3$ (1.780 kg/m$^3$) - 3.100 lbs/yd$^3$ (1.839 kg/m$^3$)
OPTIONAL EQUIPMENT

TIRES

360/80 R 20 TRI Nokian
400/70 R20 XMCL Michelin
455/70 R20 SPT9 Dunlop

Rims

FRONT ATTACHMENTS

General-purpose bucket* 1.57 yd³ (1.20 m³)
Earth bucket* 1.77 yd³ (1.35 m³)
Light-material bucket* 1.77 yd³ (1.35 m³)
Light-material bucket* 2.35 yd³ (1.80 m³)
Multi-purpose bucket* .99 yd³ (1.05 m³)
Compost bucket, 4 prongs 1.57 yd³ (1.20 m³)

Fork-lift attachment: Fork carrier ISO 2232, class B, 49" (1,240 mm) wide
Forks: 44” (1,100 mm) long, 5.5” (140 mm) wide, 2” (50 mm) tall
Forks: 47”(1,200 mm) long, 5.5” (140 mm) wide, 2” (50 mm) tall
* optionally with bolt-on cutting edge

DRIVER’S STAND

Driver’s seat MSG 95 (premium version), with air-cushioning, extra-high backrest, orthopedic lumbar support, longitudinal and tilt adjustments, adjustable armrests, seat heating

HYDRAULIC SYSTEM

4th control circuit, Fingertip control, (electro-proportional control) and installation on lift frame incl. couplings and continuous operation e.g. for attachments with 2 hydraulic functions
Low-temperature package fluids
Ride control system

QUICK COUPLER SYSTEMS

Quick coupler, hydraulically operated

CAB

FOPS-skylight guard
Rotating beacon, yellow
Right-hand door with sliding window
Radio installation kit
Outside rear-view mirror, heatable
Lap belt, 3” (76) mm wide
LED working floodlight, rear (2 pieces)
Arm rest, left, for driver’s seat

OTHER OPTIONAL EQUIPMENT

Turbo II Prefilter
Central lubrication system (Lincoln)
Further optional equipment available on request