### Technical Specifications

#### AR 40
- **Operation weight**: 3300 kg
- **Power**: 29.6 kW (40 HP)
- **Shovel capacity**: 0.50 m³

#### AR 50
- **Operation weight**: 3950 kg
- **Power**: 42 kW (57 HP)
- **Shovel capacity**: 0.70 m³

#### AR 60
- **Operation weight**: 4650 kg
- **Power**: 55 kW (75 HP)
- **Shovel capacity**: 0.90 m³

#### AR 65 Super
- **Operation weight**: 5250 kg
- **Power**: 59.3 kW (81 HP)
- **Shovel capacity**: 1.00 m³

#### AR 70
- **Operation weight**: 4000 kg
- **Power**: 47.5 kW (65 HP)
- **Shovel capacity**: 0.60 m³

#### AR 75 S
- **Operation weight**: 5750 kg
- **Power**: 59.3 kW (81 HP)
- **Shovel capacity**: 1.00 m³

#### AR 80
- **Operation weight**: 6700 kg
- **Power**: 71.2 kW (97 HP)
- **Shovel capacity**: 1.30 m³

#### AR 85
- **Operation weight**: 7900 kg / 8100 kg
- **Power**: 74.9 kW (102 HP) / 92 kW (125 HP)
- **Shovel capacity**: 1.40 - 1.60 m³

Technical data without engagement. Subject to change without notice.
### Technical Data AR 85

#### Engine
- Make: TCD 2011 L04W
- Type: water cooled
- Power: 71.2 kW (97 hp) at 2300 rpm
- Max. torque: 333 Nm at 1600 rpm
- Strobo: 3619 cm³
- Cylinders: 4 in line

#### Electrical System
- Operating voltage: 12 V
- Battery: 12V/100 Ah
- Alternator: 14V/95 A
- Starter: 12V/2.3 kW

#### Drive
- Output regulated hydrostatic drive with pressure cut off and closed circuit acting on all 4 wheels
- Speed with standard tires: 175 bar
- Operating pressure of steering hydraulics: 225 bar
- Fully hydraulic center pivot steering
- Drive by accelerator and separate inching pedal for best distribution of the hydraulic power for thrust and lifting forces

#### Loading equipment
- Hydraulic system:
  - Gear pump for loading and steering
  - Priority valve favoring steering hydraulics
  - Lowering brake dependent on load
  - Two lifting and tipping cylinders each
  - 3rd section serial
- Loading hydraulics pre-activated via ATLAS joystick including float position
- Operating pressure 225 bar
- Delivery of pump 49 l/min
- Special colors and oils
- Haulable and air cushioned seats
- Joystick with integrated proportional steering for 3rd section (only ADS)
- Auxiliary heating, comfort cab, canopy-cab
- Atlas diagnostic system (ADS) for monitoring engine parameters with integrated electronic/anti-theft device
- Extra seat
- Radio
- Warning beacon
- Doors with sliding windows right and left
- Anti-shaft device with code lock

#### Tires
- Standard: 460/70 R 24 XMCL – Construction machine tires for clay, sand, gravel, asphalt, gardening and landscaping
- Special tires: 460/70 R 24 XMCL – Construction machine tires for clay, sand, gravel, fields and greenland, fortified roads

#### Fuel oil capacities
- Diesel: 120 l
- Hydraulic oil: 86 l
- Engine oil: 11.0 l
- Front axle: 4.6 l
- Rear axle: 4.2 l
- Gear oil: 2.5 l
- Cooling fluid: 11.0 l

#### Fuel oil capacities
- Shovel capacity acc. to SAE: 1.3 m³
- Track width: 1640 mm
- Turning radius (outer shovel edge): 4660 mm
- Tear out force: 6800 daN
- Torque: 5700 daN
- Tipping load: 4508 kg
- Tipping load, articulated: 4798 kg
- Lifting capacity at ground level: 6000 daN
- Service weight: 6700 kg

#### Fuel oil capacities
- Shovel capacities with standard shovel:
  - Agriculture: 1.9 t/m³
  - Industry: 1.7 t/m³

#### Technical data with pallet forks.

#### Diagram for shovel selection

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**Technical data with standard shovel.**

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight (t/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>2.3</td>
</tr>
<tr>
<td>Timber</td>
<td>1.7</td>
</tr>
<tr>
<td>Stone</td>
<td>2.2</td>
</tr>
<tr>
<td>Rock</td>
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<td>1.5</td>
</tr>
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</tr>
<tr>
<td>Clinker</td>
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</tbody>
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**Technical data with pallet forks.**

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