<table>
<thead>
<tr>
<th>Model</th>
<th>Operation weight</th>
<th>Power</th>
<th>Shovel capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 35/35 Super</td>
<td>2500 kg / 2875 kg</td>
<td>24.6 kW (33.5 HP) / 29.4 kW (40 HP)</td>
<td>0.34 m³ / 0.40 m³</td>
</tr>
<tr>
<td>AR 40</td>
<td>3300 kg</td>
<td>29.4 kW (40 HP)</td>
<td>0.50 m³</td>
</tr>
<tr>
<td>AR 50</td>
<td>3950 kg</td>
<td>42 kW (57.5 HP)</td>
<td>0.70 m³</td>
</tr>
<tr>
<td>AR 60</td>
<td>4650 kg</td>
<td>47.5 kW (65 HP)</td>
<td>0.85 m³</td>
</tr>
<tr>
<td>AR 65 Super</td>
<td>4800 kg</td>
<td>51.3 kW (69 HP)</td>
<td>0.90 - 1.00 m³</td>
</tr>
<tr>
<td>AR 75</td>
<td>5600 kg</td>
<td>55 kW (75 HP)</td>
<td>1.00 m³</td>
</tr>
<tr>
<td>AR 75 S</td>
<td>6000 kg</td>
<td>55 kW (75 HP)</td>
<td>0.80 m³</td>
</tr>
<tr>
<td>AR 80</td>
<td>5750 kg</td>
<td>59.3 kW (81 HP)</td>
<td>1.00 m³</td>
</tr>
<tr>
<td>AR 85</td>
<td>6700 kg</td>
<td>71.2 kW (97 HP)</td>
<td>1.00 m³</td>
</tr>
<tr>
<td>AR 95/95 Super</td>
<td>7900 kg / 8100 kg</td>
<td>74.9 kW (102 HP) / 92 kW (125 HP)</td>
<td>1.40 - 1.60 m³</td>
</tr>
</tbody>
</table>

Technical data without engagement. Subject to change without notice.

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www.radlader.com

- Landscaping, agricultural sector, narrow construction sites
- Operating weight: 2500 kg
- Power: 24.6 kW
**Technical data AR 35**

### Engine

**Make:** Perkins Diesel engine 403D-15

**Type:** Water cooled

**Power:** up to 24.6 kW (33.5 HP) at 2800 rpm

**Max. torque:** 96 Nm at 1800 rpm

**Stroke:** 1496 mm

**Cylinders:** 3 in line

**Electrical System:** Operating voltage 12 V

**Battery:** 12 V 16 Ah

**Alternator:** 14 V 65 A

**Starter:** 12 V/2.0 kW

### Drive

- Output-regulated hydrostatic drive with pressure cut off and closed circuit acting on all 4 wheels.
- Speed with standard tires: Operating speed range 0–6.5 km/h
- Road speed range 0–20 km/h
- 1° and 2° hydraulic gear can be engaged under load, forward/backward travel also.
- Forward/backward travel, speed ranges and off-position operational via ATLAS joystick
- Drive operated by accelerator and separate inching pedal for best distribution of the hydraulic power for thrust and lifting forces

### Brakes

- Rigid axles with planetary reduction gears in wheel hub.
- 45% - differential lock in front

### Axles

- Standard: Drum brake on front axle via cardan acting on all 4 wheels.
- Additional brake function via inching pedal and hydrostatic drive acting on all 4 wheels.
- Parking brake: Drum brake via funnel link acting on all 4 wheels with engine switched off.

### Steering

- Fully hydraulic center pivot steering
- Front and rear wheels follow the same track
- Steering angle of 40° to each side, ±12° angular movement at rear of vehicle
- Operating pressure of steering hydraulics 145 bar
- Emergency steering function

### Hydraulic system

- Gear pump for loading and steering hydraulics
- Priority valve favoring steering hydraulics
- 3° steering section for loading hydraulics mechanically controlled by ATLAS joystick, including float position
- Operating pressure 230 bar
- Delivery of pump 31 l/min

### Loading equipment

- Powerful and solid Z-kinematics with high tear out force
- Hydraulic quick change device
- Activation of all functions by ATLAS joystick
- Automatic mid position of joystick
- Parallel movement while using pallet forks
- Automatic shovel return to excavation position
- Locking device acc. to German StVZO for road travel
- Lifting 1 s
- Lowering 3.5 s
- Tipping 1 s

### Standard equipment

- ATLAS canopy cabin with roll-over protection
- Activation of all functions by ATLAS joystick
- Control lights for speed range, forward/backward travel
- Lights acc. to German StVZO for road travel
- Individually adjustable driver’s seat
- Control lights for engine oil pressure, overheating, hydraulic oil temperature, battery power, parking brake, air filter
- Central dashboard with indicators for preheating, fuel, working hour meter

### Options

- 4° section front or rear
- Main battery switch
- Special paintings and oils
- Cyclone dust separator
- Trailer coupling
- Left hinged adjustable window, right window to open can be fastened
- Hot water heating with heat exchange and 3-stage-fan
- Front windscreen ventilation, variable output
- Rear driving mirrors, foldable
- Sound absorbing ROPS cab
- Windscreen wipe and wash unit in front and rear
- Sun visor, ceiling lamp, stow facility
- Heat protection glazing with large tinted screens
- Anti-shaft-device with code stick
- Radio
- Warning beacon
- More options upon request

### Fuel/oil capacities

- Diesel: 58 l
- Hydraulic oil: 28 l
- Engine oil: 3 l
- Front axle: 4 l
- Rear axle: 3.5 l
- Gear oil: 0.65 l
- Cooling liquid: 6 l

### Operating data

- Shovel capacity acc. to SAE: 0.34 m³
- Track width: 1070 mm
- Turning radius (outer shovel edge): 3242 mm
- Tear out force: 2450 daN
- Torque: 2300 daN
- Tipping load, straight: 1737 kg
- Tipping load, articulated: 1533 kg
- Lifting capacity at ground level: 2100 daN
- Service weight: 2500 kg

### Differing data for use of pallet forks

- Differing data for use of pallet forks (500 mm distance to center of gravity):
  - Static tipping load, articulated: 1114 kg
  - Lifting capacity: 1600 daN
  - Payload 80% even surfaces: 892 kg
  - Payload 60% uneven surfaces: 659 kg

### Technical data with standard shovel

<table>
<thead>
<tr>
<th>Material Handling</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>1.9</td>
</tr>
<tr>
<td>Soil (dry)</td>
<td>1.3</td>
</tr>
<tr>
<td>Soil (watery)</td>
<td>2.0</td>
</tr>
<tr>
<td>Rock (hill)</td>
<td>2.4</td>
</tr>
<tr>
<td>Granite</td>
<td>1.8</td>
</tr>
<tr>
<td>Lime stone</td>
<td>1.6</td>
</tr>
<tr>
<td>Gravel (dry)</td>
<td>1.9</td>
</tr>
<tr>
<td>Gravel (watery)</td>
<td>2.1</td>
</tr>
<tr>
<td>Loam</td>
<td>1.7</td>
</tr>
<tr>
<td>Slag</td>
<td>1.2</td>
</tr>
<tr>
<td>Sand (dry)</td>
<td>1.9</td>
</tr>
<tr>
<td>Sand (watery)</td>
<td>2.1</td>
</tr>
<tr>
<td>Sandstone</td>
<td>2.4</td>
</tr>
<tr>
<td>Chalk</td>
<td>2.2</td>
</tr>
<tr>
<td>Sediment</td>
<td>2.7</td>
</tr>
<tr>
<td>Crushed stone</td>
<td>3.5</td>
</tr>
<tr>
<td>De-icing salt</td>
<td>1.3</td>
</tr>
<tr>
<td>Clay</td>
<td>1.8</td>
</tr>
<tr>
<td>Cement</td>
<td>1.7</td>
</tr>
<tr>
<td>Clinker (stacked)</td>
<td>1.8</td>
</tr>
</tbody>
</table>

### Technical data with pallet forks

<table>
<thead>
<tr>
<th>Material Handling</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry</td>
<td></td>
</tr>
<tr>
<td>Amber</td>
<td>0.7</td>
</tr>
<tr>
<td>Brown coal briquette</td>
<td>0.8</td>
</tr>
<tr>
<td>Kerros product</td>
<td>7.8</td>
</tr>
<tr>
<td>Iron ore</td>
<td>6.7</td>
</tr>
<tr>
<td>Gas coke</td>
<td>0.4</td>
</tr>
<tr>
<td>Timber</td>
<td>0.8</td>
</tr>
<tr>
<td>Mineral coal</td>
<td>1.2</td>
</tr>
<tr>
<td>Paper</td>
<td>0.9</td>
</tr>
<tr>
<td>Slag</td>
<td>1.0</td>
</tr>
<tr>
<td>Slag concrete</td>
<td>2.7</td>
</tr>
</tbody>
</table>

### More options upon request

- More special tires upon request
- Automatic shovel return to excavation position
- Automatic mid position of joystick
- Automatic shovel return to excavation position
- Activating device acc. to German StVZO for road travel
- More options upon request

### Special paintings and oils

- Special paintings and oils
- Industry
- Mineral: 1.2
- Paper: 0.9
- Slag: 1.0
- Slag concrete: 2.7

### Technical notes

- According to ISO 8313 and EN 474-3.
- According to ISO 14396, EU RL97/68/EC.