AR 35/35 Super
Operation weight 2500 kg / 2875 kg
Power 24.6 kW (33.5 HP) / 29.4 kW (40 HP)
Shovel capacity 0.34 m³ / 0.40 m³

AR 60
Operation weight 4650 kg
Power 47.3 kW (64 HP)
Shovel capacity 0.85 m³

AR 75 S
Operation weight 6000 kg
Power 55 kW (74 HP)
Shovel capacity 0.80 m³

AR 40
Operation weight 3300 kg
Power 29.4 kW (40 HP)
Shovel capacity 0.50 m³

AR 65 Super
Operation weight 4800 kg
Power 51.3 kW (69 HP)
Shovel capacity 1.00 m³

AR 75
Operation weight 5600 kg
Power 71.2 kW (97 HP)
Shovel capacity 1.30 m³

Technical data without engagement. Subject to change without notice.

AR 80
Operation weight 5750 kg
Power 59.3 kW (82 HP)
Shovel capacity 1.00 m³

AR 85
Operation weight 6700 kg
Power 71.2 kW (97 HP)
Shovel capacity 1.30 m³

AR 95/95 Super
Operation weight 7900 kg / 8100 kg
Power 74.9 kW (102 HP) / 92 kW (125 HP)
Shovel capacity 1.40 - 1.60 m³

• Construction trade, recycling, material handling, civil engineering works and road construction
• Operating weight: 5600 kg
• Power: 55 kW
**Hydraulic system**
- Gear type pump (internal geared wheel pump) for loading and steering hydraulics
- Priority valve favoring steering hydraulics
- Lowering brake independent of load
- 3rd hydraulic section serial
- Loading hydraulically pre-activated by ATLAS joystick, including float position
- Operating pressure 265 bar
- Delivery of pump: 55 l/min

**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
- Optional high speed 0-40 km/h
- 1" and 2” hydraulic gears can be engaged under load, forwards/backwards travel also
- Forward/backsward travel and speed ranges operational via ATLAS joystick
- Drive operated by accelerator and separate inching pedal for best distribution of the hydraulic power for thrust and lifting forces

**Axeles**
- Rigid axles with planetary reduction gears in wheel hubs, connecting electrically 100% differential lock for front and rear axle.

**Brakes**
- Standard brake: Multi-disc brake running in oil bath acting on all 4 wheels.
  - Supplementary brake functions via the inching pedal and hydraulistic drive acting on all 4 wheels.
  - Parking brake: Parking brake as spring-loaded brake acting on all 4 wheels. In case of standard of engine the spring-loaded brake is automatically reactivated.

**Steering**
- Fully hydraulic centre-pivot steering
- Front and rear wheels always follow the same track
- Steering angle 40° to each side, ± 12° angular movement at rear of vehicle
- Operating pressure of steering hydraulics 175 bar
- Emergency steering function

**Fuel/ Oil capacities**
- Diesel: 100 l
- Hydraulic oil: 83 l
- Engine oil: 1 l
- Front axle: 4.5 l
- Rear axle: 4.2 l
- Gear oil: 2.5 l

**Operating data**
- Shovel capacity acc. to SAE: 1.0 m³
- Track width: 1640 mm
- Turning radius (outer shovel edge): 4478 mm
- Rear output force: 6210 daN
- Torque: 5350 daN
- Tipping load, straight: 4065 kg
- Tipping load, articulated: 3579 kg
- Lifting capacity at ground level: 5310 daN
- Service weight: 5600 kg
- Differing data for use of pallet forks
  - (500 mm distance to center of gravity)
  - Static tipping load, straight and articulated: 2954 kg
  - Lifting capacity: 4392 daN
  - Payload 80% even surface*: 2364 kg
  - Payload 60% uneven surface**: 1773 kg

**Technical data with standard handel.**
- Construction: concrete 1.9
- Soil (dry): 1.5
- Soil (watery): 2.0
- Rock (fill): 2.4
- Granite: 1.8
- Limestone: 1.6
- Gravel (dry): 1.9
- Gravel (watery): 2.1
- Sand: 2.2
- Sandstone: 2.4
- Shale: 2.2
- Sand: 2.1
- Crushed stone: 1.5
- De-icing salt: 1.3
- Clay: 1.6
- Cement: 1.7
- Clinker (stacked): 1.8

**Technical data with pallet forks.**
- Industry
  - Ash: 0.7
  - Brown coal briquette: 0.8
  - Ferrous products: 0.7
  - Iron ore: 2.3
  - Coal: 1.9
  - Gas coke: 0.4
  - Timber: 0.8
  - Mineral coal: 1.2
  - Paper: 0.8
  - Silt: 1.0
  - Silt concrete: 2.7

**Material handling**
- Specific gravity for material handling
  - Material weight (t/m³)
  - Concrete: 2.4
  - Sand: 1.6
  - Gravel: 1.6
  - Limestone: 2.4
  - Granite: 1.8
  - Crushed stone: 1.5
  - De-icing salt: 1.3
  - Clay: 1.6
  - Cement: 1.7
  - Clinker (stacked): 1.8
  - **According to ISO 14396, EU RL97/68/EC.**

**Diagram for shovel selection.**