

# ATLAS Teamwork: ATLAS Teamwork:

## 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 m<sup>3</sup> / 0.40 m<sup>3</sup>

## AR 40



Operation weight 3300 kg  
 Power 29.4 kW (40 HP)  
 Shovel capacity 0.50 m<sup>3</sup>

## AR 50



Operation weight 3950 kg  
 Power 42 kW (57 HP)  
 Shovel capacity 0.70 m<sup>3</sup>

## AR 60



Operation weight 4650 kg  
 Power 47.5 kW (65 HP)  
 Shovel capacity 0.85 m<sup>3</sup>

## AR 65 Super



Operation weight 4800 kg  
 Power 51.3 kW (70 HP)  
 Shovel capacity 0.80 - 1.00 m<sup>3</sup>

## AR 75



Operation weight 5600 kg  
 Power 55 kW (75 HP)  
 Shovel capacity 1.00 m<sup>3</sup>

## AR 75 S



Operation weight 6000 kg  
 Power 55 kW (75 HP)  
 Shovel capacity 0.80 m<sup>3</sup>

## AR 80



Operation weight 5750 kg  
 Power 59.3 kW (81 HP)  
 Shovel capacity 1.00 m<sup>3</sup>

## AR 85



Operation weight 6700 kg  
 Power 71.2 kW (97 HP)  
 Shovel capacity 1.30 m<sup>3</sup>

## 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 m<sup>3</sup>

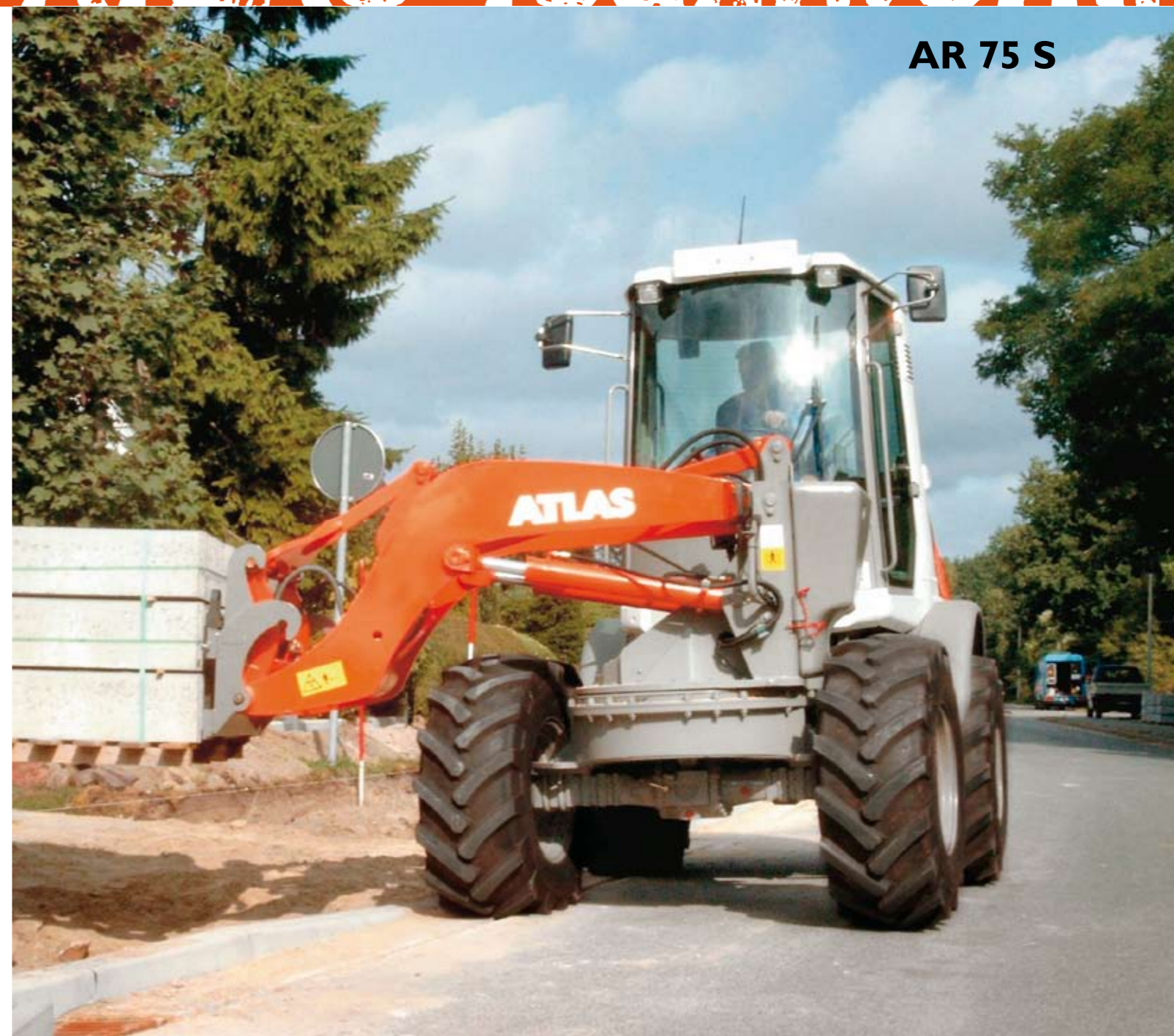
Technical data without engagement.  
 Subject to change without notice.

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## AR 75 S



- Landscaping, construction trade, railway track construction, construction works with cables, high manoeuvrability because of swinging shovel frame, operations in narrow surroundings possible
- Operating weight: 6000 kg
- Power: 55 kW

**ATLAS**  
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## TECHNICAL DATA AR 75 S

### Engine

Make: Deutz Diesel engine TD 201 I L04  
 Type: oil/air cooled  
 Power<sup>\*\*\*</sup>: 55 kW (75 hp)  
 at 2400 min<sup>-1</sup>  
 Max. torque: 240 Nm at 1600 min<sup>-1</sup>  
 Stroke: 3243 cm<sup>3</sup>  
 Cylinders: 4 in line  
 Electrical System: Operating voltage 12V  
 Battery 12V/ 100 Ah  
 Alternator 14V/80 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:  
 Operating speed range 0–6,5 km/h  
 Road speed range 0–20 km/h  
 Optional high speed 0–40 km/h
- 1<sup>st</sup> and 2<sup>nd</sup> 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

### Axles

Rigid axle front, pendulum rear axle with planetary reduction gears in wheel hubs, electrically connected 100% - differential lock in front and rear axle. On swinging automatic blocking of pendulum axle.

### Brakes

**Standard brake:** Multi-disc brake running in oil bath acting on all 4 wheels. Supplementary brake function via inching pedal and hydrostatic drive acting on all 4 wheels.

**Parking brake:** Parking brake as spring-loaded brake acting on all 4 wheels. In case of standstill of engine the spring-loaded brake is automatically re-activated.

### Steering

- Fully hydraulic center pivot steering and oscillating rear axle with automatic lock during swing-action by hydraulic rams
- Front and rear wheels follow the same track
- Steering angle 40° to each side, ± 10° angular movement in rear vehicle
- Operating pressure of steering hydraulics 175 bar
- Emergency steering function

### Hydraulic system

- Gear pump for loading and steering hydraulics
- Priority valve favoring steering hydraulics
- Lowering brake dependent of load
- 3rd hydraulic section
- Loading hydraulic hydraulically pre-activate via ATLAS joystick including float position
- Operating pressure 230 bar Delivery of pump 61.5 l/min

### Loading equipment

- Powerful solid and swingable parallel – kinematics, swivelling range up to 180°
- Swing cut-off by danger of tyre damage
- Hydraulic quick change device
- Activation of all functions via ATLAS joystick
- Parallel movement while using pallet forks
- Automatic shovel return to excavation position
- Locking device acc. to German StVZO for road travel  
 Lifting 5.6 s  
 Lowering 4.3 s  
 Tipping 1.2 s

### Standard equipment

- Rear driving mirrors, foldable
- Heatable rear screen
- Comfortable access from both sides
- Joystick with integrated proportional steering for 3rd section or swing-action control
- ATLAS diagnostic system
- Control lights for speed range, forward/ backward travel
- Lights acc. to German StVZO for road travel
- Individually adjustable driver's seat with adjustable right arm rest
- Engine oil heating with heat exchange and 4-stage fan
- Front windscreen ventilation, variable output
- Sound absorbing ROPS cab
- Windscreen wipe and wash unit in front and rear
- Sun visor, coat hook, ceiling lamp, stow facility
- Adjustable steering column
- Heat protection glazing with large tinted screens
- Control lights for engine oil pressure, overheating, hydraulic oil temperature, battery power, parking brake and air filter
- Central dashboard with indicators for preheating, engine temperature fuel, working hour meter

### Options

- Stability damping system
- High speed version
- Air conditioning
- Hand throttle unit
- Load check valve
- Main battery switch
- Corrosion protection for salt
- Special colors and oils
- Cyclone dust separator

- Trailer coupling
- Heatable and air cushioned seats
- Auxiliary heating, comfort cab, canopy cab
- Anti-theft device
- Extra seat
- Radio
- Warning beacon
- Doors with sliding windows left and right
- Anti-theft device with code stick
- Engine oil preheating 220V

More options upon request

### Tires

**Standard:**  
 16/70 R-20 MPT 14 PR – Multi-purpose tires for earth moving machines, with good traction, self-cleaning and firm stability

Special tires upon request

### Fuel/oil capacities

|                |       |
|----------------|-------|
| Diesel:        | 80 l  |
| Hydraulic oil: | 75 l  |
| Engine oil:    | 11 l  |
| Front axle:    | 4,5 l |
| Rear axle:     | 4,2 l |
| Gear oil:      | 2,5 l |

### Operating data

|                                     |                    |
|-------------------------------------|--------------------|
| Shovel capacity acc. to SAE:        | 0,8 m <sup>3</sup> |
| Track width:                        | 1520 mm            |
| Turning radius (outer shovel edge): | 4226 mm            |
| Tear out force:                     | 4000 daN           |
| Torque:                             | 4312 daN           |
| Tipping load, straight:             | 3515 kg            |
| Tipping load, articulated:          | 3100 kg            |
| Lifting capacity at ground level:   | 3900 daN           |
| Service weight:                     | 6000 kg            |

Differing data for use of pallet forks (500 mm distance to center of gravity)\*  
 Static tipping load, straight and articulated: 2413 kg

|  |          |
|--|----------|
| Lifting capacity:                          | 2710 daN |
| Payload 80% even surface <sup>**</sup> :   | 1930 kg  |
| Payload 60% uneven surface <sup>**</sup> : | 1448 kg  |

\* Travel with load only permitted close to the ground.

\*\* According to ISO 8313 and EN 474-3.

\*\*\* According to ISO 14396, EU 91/68/EC.

### Specific gravity for material handling

| material          | weight (t/m <sup>3</sup> ) |
|-------------------|----------------------------|
| 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                        |
| loam              | 1.7                        |
| plaster           | 2.2                        |
| sand (dry)        | 1.9                        |
| sand (watery)     | 2.1                        |
| sandstone         | 2.4                        |
| shale             | 2.2                        |
| sediment          | 2.1                        |
| crushed stone     | 1.5                        |
| de-icing salt     | 1.3                        |
| clay              | 1.6                        |
| cement            | 1.7                        |
| clinker (stacked) | 1.8                        |

### Industry

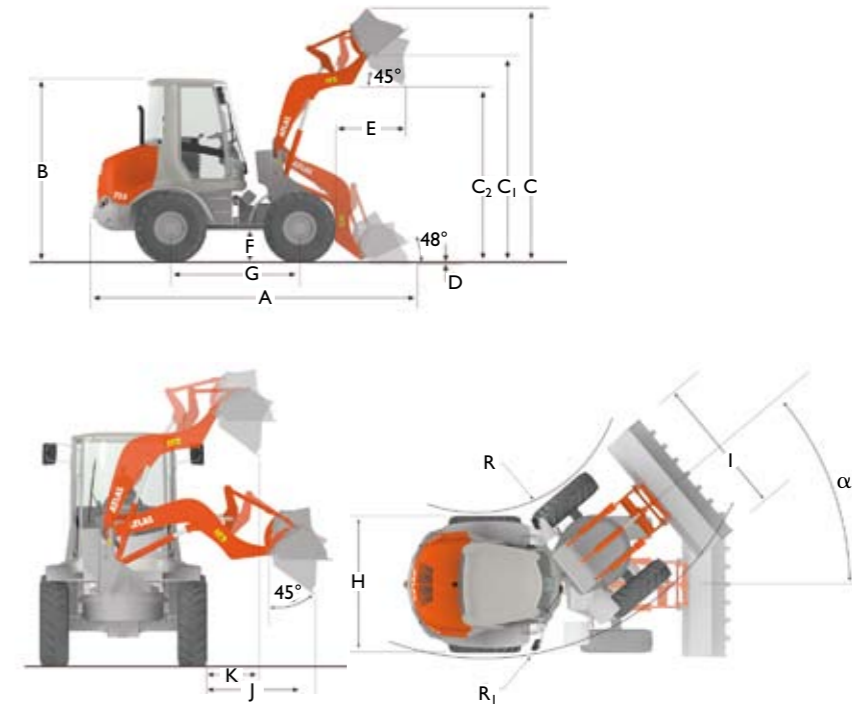
|                      |     |
|----------------------|-----|
| ember                | 0.7 |
| brown coal briquette | 0.8 |
| ferrous product      | 7.8 |
| iron ore             | 2.3 |
| cullet               | 1.9 |
| gas coke             | 0.4 |
| timber               | 0.8 |
| mineral coal         | 1.2 |
| paper                | 0.9 |
| slag                 | 1.0 |
| slag concrete        | 2.7 |

### Landscaping, agriculture

|                      |     |
|----------------------|-----|
| agricultural crop    | 0.7 |
| grain                | 0.6 |
| hay                  | 0.3 |
| potash               | 1.1 |
| compost              | 1.0 |
| flour                | 0.5 |
| clay (watery)        | 2.3 |
| phosphate fertilizer | 2.2 |
| turf (watery)        | 1.1 |
| turf (dry)           | 0.4 |
| mineral fertiliser   | 1.0 |

## Technical data with standard shovel.

| AR 75 S                  |      |
|--------------------------|------|
| A                        | 5400 |
| B                        | 2790 |
| B <sub>1</sub>           | 2003 |
| C                        | 4015 |
| C <sub>1</sub>           | 3210 |
| C <sub>2</sub>           | 2550 |
| D                        | 80   |
| E                        | 610  |
| F                        | 500  |
| G                        | 2000 |
| H                        | 1950 |
| I                        | 1970 |
| J                        | 510  |
| K                        | 250  |
| R                        | 1772 |
| R <sub>1</sub>           | 3761 |
| All specifications in mm |      |
| α                        | 40°  |



## Technical data with pallet forks.

| AR 75 S                  |      |
|--------------------------|------|
| A                        | 5820 |
| B                        | 2790 |
| B <sub>1</sub>           | 2003 |
| C                        | 3465 |
| C <sub>1</sub>           | 3035 |
| C <sub>2</sub>           | 1375 |
| D                        | 50   |
| E                        | 510  |
| E <sub>1</sub>           | 1350 |
| E <sub>2</sub>           | 900  |
| F                        | 500  |
| G                        | 2000 |
| H                        | 1950 |
| I                        | 1030 |
| L                        | 1010 |
| M                        | 750  |
| R                        | 1772 |
| R <sub>1</sub>           | 3761 |
| All specifications in mm |      |
| α                        | 40°  |

