# ATLAS Teamwork ATLAS Teamwork

# **AR 35/35 Super**



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**



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



Shovel capacity

3950 kg 42 kW (57 HP) 0.70 m<sup>3</sup>

## **AR 60**



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

## AR 65 Super



Operation weight 4700 kg 51.3 kW (70 HP) 0.80 - 1.00 m<sup>3</sup> Shovel capacity

## **AR 75**



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

### **AR 75 S**

**AR 85** 



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

### **AR 75 T**



6000 kg Operation weight 55 kW (75 HP) 1.00 m<sup>3</sup> Shovel capacity

### **AR 80**



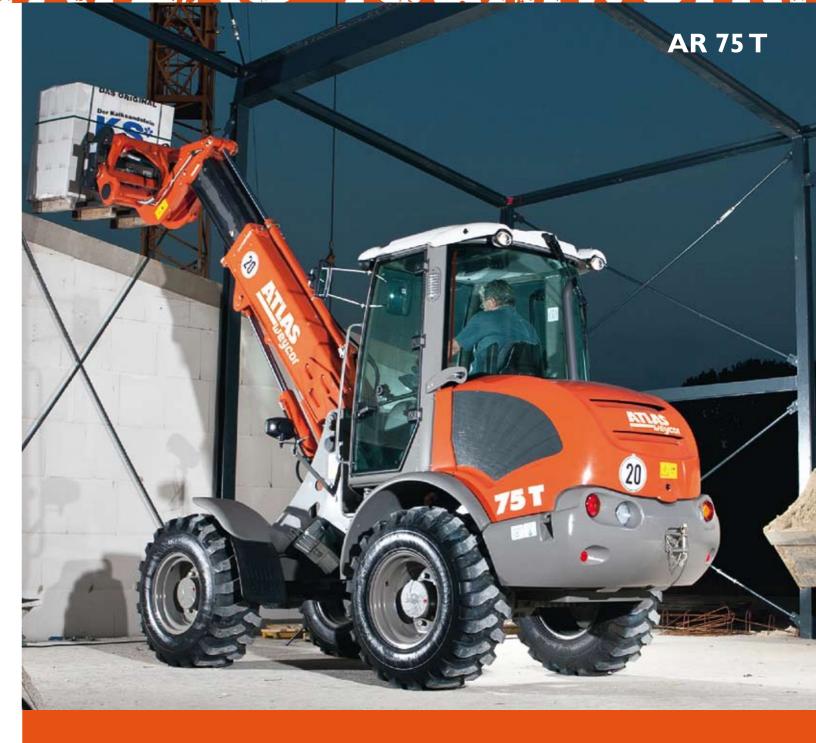
Operation weight 5750 kg 59.3 kW (81 HP) Power Shovel capacity

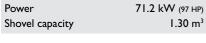
# **AR 95/95 Super**



7900 kg / 8100 kg Operation weight 74.9 kW (102 HP) / 92 kW (125 HP) Shovel capacity 1.40 - 1.60 m<sup>3</sup>

- Landscaping, agriculture sector, structural engineering
- Operation weight: 6000 kg
- Power: 55 kW





6700 kg

Atlas Weyhausen GmbH

Operation weight

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#### **TECHNICAL DATA AR 75 T**



Make: Deutz Diesel engine TD 2011 L04 oil/air cooled Type: 55 kW (75 hp) Power\*\*\*: at 2400 min-1

Max. torque: 240 Nm at 1600 min-1 Stroke: 3243 cm<sup>3</sup> Cylinders: 4 in line Electrical System: Operating voltage 12V

Battery I2V/ I00 Ah Alternator 14 V/80 A Starter I2V/2,3 kW



- 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
- Ist and 2nd 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



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



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



- Fully hydraulic center pivot steering and oscillating rear axle
- 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
- 4th hydraulic circuit for hydraulic quick change Loading hydraulic hydraulically pre-activate via ATLAS joystick including float position
- Operating pressure 230 bar Delivery of pump 68 l/min



## Loading equipment

- Powerful and solid Z-kinematics with high tear out force
- Telescopic range 1200 mm
- · Hydraulic quick change device
- Activation of all functions via ATLAS joystick
- Parallel movement while using pallet forks
- Locking device acc. to German StVZO for road travel

Lifting	6.5 s
Lowering	6.0 s
Tipping	1.8 s



#### Standard equipment

- · Rear driving mirrors, foldable
- · Heatable rear screen
- Comfortable access from both sides
- Joystick with integrated proportional steering including telescoping function
- 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
- Corrosion protection for salt
- Special colors and oils
- · Cyclone dust separator
- Trailer coupling

#### Heatable and air cushioned seats

- Auxiliary heating
- Anti-theft device
- Radio
- Warning beacon
- Doors with sliding windows left and right
- Anti-theft device with code stick
- Engine oil preheating 220 V



#### Standard:

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



#### Fuel/oil capacities

Diesel:	80 I
Hydraulic oil:	75 I
Engine oil:	111
Front axle:	4,5
Rear axle:	4,2
Gear oil:	2,5



#### Operating data

Shovel capacity acc. to SAE:	1.0 m <sup>3</sup>
Track width:	1520 mm
Tear out force:	4300 daN
Torque:	4310 daN
Tipping load, straight:	3400 kg
Tipping load, straight/extended:	1864 kg
Tipping load, articulated:	2930 kg
Tipping load, articul./extended:	1522 kg
Lifting capacity at ground level:	3600 daN
Service weight:	6000 kg

Differing data for use of pallet forks (500 mm distance to center of gravity)\*

Static tipping load, articulated:	2600 kg
Static tipping load, articul./extended:	1480 kg
Payload 80% even surface**:	2080 kg
Payload 80% extended boom**:	1184 kg
Payload 60% uneven surface**:	1560 kg
Payload 60% extended boom**:	888 kg

#### Sound level

level L<sub>P</sub>A (3):

Average acoustic power-level L<sub>w</sub>A<sup>(1)</sup>: 99.0 dB (A)

Guaranteed acoustic 100.0 dB (A) power-level L<sub>w</sub>A (2): Sound pressure

77.0 dB (A)

Specific vibration-data

Hand- / arm- / body-vibration<sup>(4)</sup>: < 2.5 / 0.5 m/s<sup>2</sup>

- \* Travel with load only permitted close to the ground. \*\* According to ISO 8313 and EN 474-3
- \*\*\* According to ISO 14396, EU RL97/68/EC.
- (I) According to 2000/14/EG & appendixes.
- (2) According to 2000/14/EG & appendixes. (3) According to ISO 6396.
- (4) According to ISO 8041.

## Specific gravity for material handling

material	weight (t/m³)

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
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
- 1	
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** dimensions

AD	75 T
AK	/5 1
Α	5804
$A_{l}$	6124
В	2796
Cı	4838
C <sub>2</sub>	4080
C <sub>4</sub>	1530
C <sub>5</sub>	4650
Е	1380
E <sub>2</sub>	1074
E <sub>3</sub>	2695
F	492
G	2200
Н	1950
I	2150
$I_1$	1030
R	3840
$R_{I}$	5150

