

# AR 95<sup>E</sup> SUPER

Operation weight:

**8200 kg**

Power:

**95,0 kW** (129 HP)

Shovel capacity:

**1,4 - 1,6 m<sup>3</sup>**



**ATLAS**  
**weycor**

# AR 95<sup>E</sup> SUPER





# Small e. Big effect.



**ATLAS Weyhausen wheel loaders are more than the sum of their parts. They reflect true passion, a fascination with technology and 'made in Germany' quality.**

It's thanks to the innovative spirit of our people, their dedication to detail and their passion for powerful engine technology that this new **e-generation of wheel loaders** has been developed.

The small "e" stands for

- emission reduction: even lower emissions than statutory requirements\*
- efficient: higher power, lower consumption
- evolutionary: advanced designs that are optimised down to the smallest detail

# ATLAS WEYCOR: POWERFUL.



## Deutz engine technology

### TCD 4.1 L4

Water-cooled 4-cylinder inline engine with turbocharging, charge air cooling and cooled external exhaust gas recirculation. Engine and exhaust aftertreatment (EAT) are adapted to an optimum efficiency of the total system and therefore ensure minimum fuel and total running costs.

The engines have a modular exhaust aftertreatment system (EAT). The powerful DEUTZ Common Rail (DCR<sup>®</sup>) injection system and the electronic engine control (EMR 4) with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.

Best cold starting performance even under extreme conditions. Long oil change intervals and easy changing of the engine fluids reduce the running costs and increase the availability of the machinery. The engines meet the requirements of the EU Stage IIIB and US EPA Tier 4 interim with DVERT<sup>®</sup> particulate filter (DPF).

The regeneration of the particulate filter by heat-mode during operation has no affect to the engine performance.

A necessary active non-operating regeneration can only be initiated by the driver.



## Hydraulic quick-change attachment

By allowing you to change the wheel loader's attachments in a few seconds, it turns the vehicle into an all-rounder..



## Latest kinematics technology

The proven and tested ATLAS kinematics with its exceptional tear-out force and excellent lifting heights.



## Articulated pendulum joint

Provides for excellent maneuverability and cross-country mobility. Even on challenging terrain, the low center of gravity ensures exceptional stability.

# PRECISE. RELIABLE.



## Easy maintenance

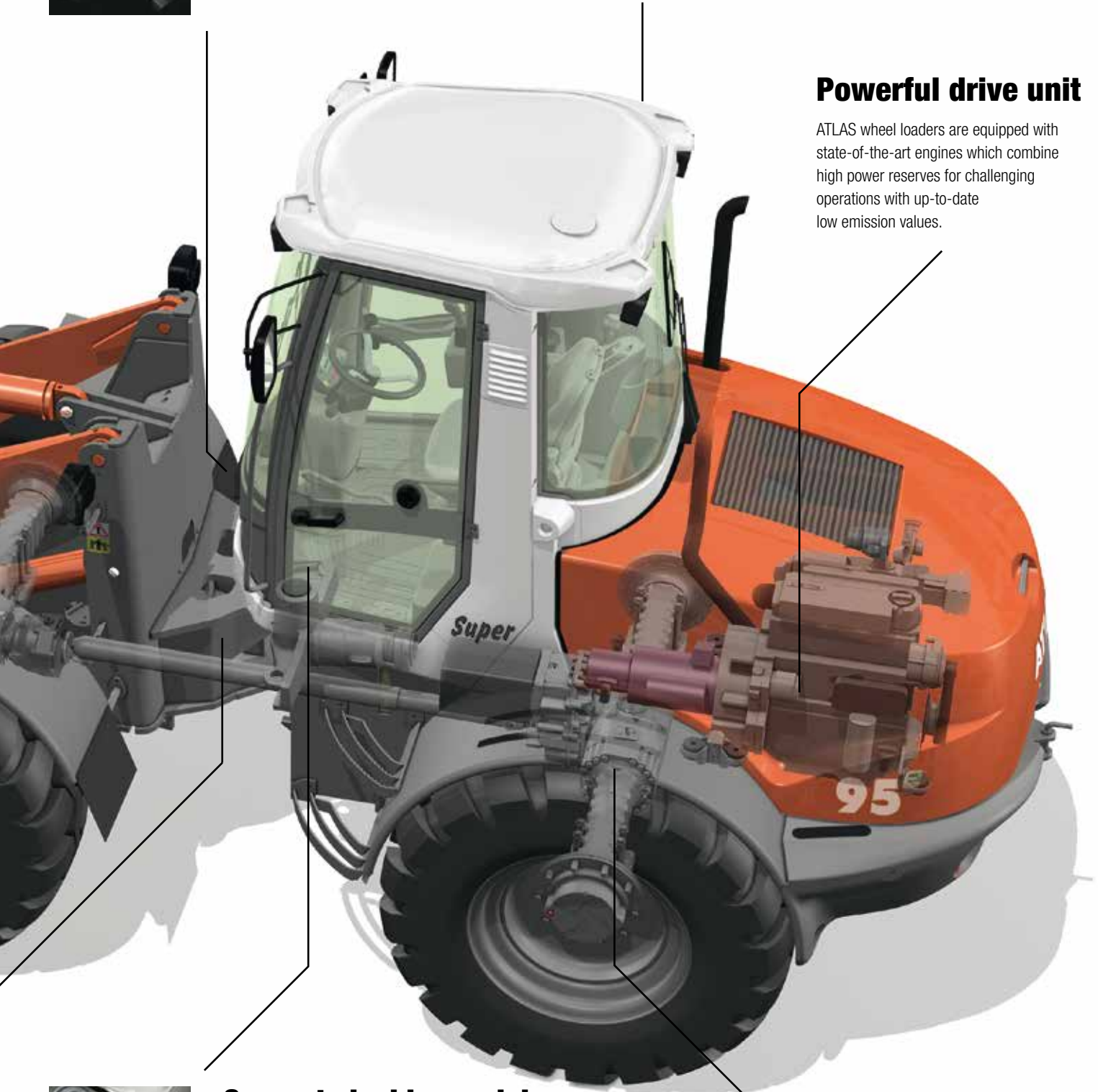
Low-maintenance and quick, easy servicing is achieved by central, consolidated, easy-to-reach service points.

## Comfortable cabin

In addition to the excellent circumferential visibility in the wheel loader, its clearly arranged controls and its ergonomic design.

## Powerful drive unit

ATLAS wheel loaders are equipped with state-of-the-art engines which combine high power reserves for challenging operations with up-to-date low emission values.



## Separate inching pedal.

Less wear & tear and fuel consumption: In contrast to the conventional combined brake/inching pedal, with the separate inching pedal, the risk of inadvertently activating the main brake while you drive is eliminated.



## Negative brake

Serves to maintain a stable position while the wheel loader is driven on slopes with the brake or inching function activated. All four wheels are automatically blocked as soon as the engine is stopped.

# AR 95<sup>E</sup> SUPER

## TECHNICAL DATA

### Engine

**Make:** \_\_\_\_\_ Deutz Diesel engine  
TCD 4.1 L4

**Type:** \_\_\_\_\_ water cooled

**Power\*\*\*:** \_\_\_\_\_ set to 95 kW (129 HP)  
at 2200 min<sup>-1</sup>

**Max. torque:** \_\_\_\_\_ 530 Nm at 1600 min<sup>-1</sup>

**Stroke:** \_\_\_\_\_ 4040 cm<sup>3</sup>

**Cylinders:** \_\_\_\_\_ 4 in line

### Electrical System

**Operating voltage** \_\_\_\_\_ 12 V

**Battery** \_\_\_\_\_ 12 V/100 Ah

**Alternator** \_\_\_\_\_ 14 V/95 A

**Starter** \_\_\_\_\_ 12 V/4 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 40 km/h (upon request)
- 1st 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

### Brakes

**Standard brake:** Multi-disc brake in oil bath acting on all 4 wheels. Supplementary brake functions 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.

### Axes

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

### 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 175 bar
- Emergency steering function

### Tires

**Standard:** 15.5-25 EM – Construction machine tires for relatively soft surface with high traction and good self-cleaning

**Special tires:** 460/70 R24 XMCL – Construction machine tires for clay, sand, gravel, greenland, fields and fortified roads.

455/70 R24 SPT 9 – Construction machine tires for clay, sand, gravel, fortified roads, gardening and landscaping

More special tires upon request

### Hydraulic system

- Gear pump for loading and steering hydraulics
- Priority valve favoring steering hydraulics
- Lowering brake dependent of load
- 3rd hydraulic section serial
- Loading hydraulic hydraulically pre-activated by ATLAS joystick, including float position
- Operating pressure 250 bar, Delivery of pump 123 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
- Parallel movement while using pallet forks
- Automatic shovel return to excavation position
- Automatic center position
- Locking device for road travel

**Lifting 5,5 s**

**Lowering 4,6 s**

**Tipping 1,6 s**

### Fuel/oil capacities

Diesel: 120 l

Hydraulic oil: 106 l

Front axle: 7,2 l

Gear oil: 1,8 l

Engine oil: 16 l

Rear axle: 7,2 l

Cooling liquid: 23 l

### Specific gravity for material handling weight (t/m<sup>3</sup>)

#### 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

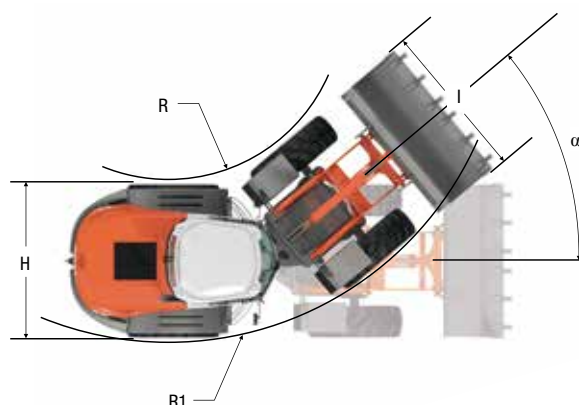
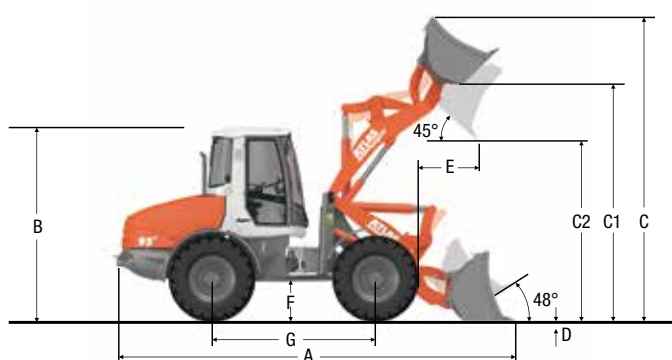
#### INDUSTRY

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  
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 AR 95 e Super with standard shovel



A 6230 mm  
B 2932 mm  
C 4575 mm  
C1 3630 mm  
C2 2840 mm  
D 85 mm  
E 820 mm  
F 540 mm  
G 2500 mm  
H 2180 mm  
I 2300 mm  
R 2385 mm  
R1 4610 mm  
α 40°

## STANDARD EQUIPMENT

### Inclusive

- ATLAS diagnostic system (ADS) for monitoring engine parameters with integrated electronic anti-theft device
- Rear driving mirrors, foldable
- Heatable rear screen
- Comfortable access to cab from both side
- 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 with adjustable right arm rest
- Engine water 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 targetinted 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

### Technical options

- 4<sup>th</sup> hydraulic section front or rear
- Stability damping system
- Slow drive inching pedal
- High speed version
- Extended lifting frame
- Final position damper for working cylinders
- Trailer coupling
- Main battery switch
- Corrosion prevention against salt
- Special paintings and oils
- Working lights front and rear
- Joystick with integrated proportional steering for 3rd section
- Warning beacon
- Anti-theft-device with code stick
- Heatable and air cushioned seats
- Radio
- Doors with sliding windows, left and right side

More options upon request

## OPERATING DATA

Shovel capacity acc. to SAE: \_\_\_\_\_ 1,4-1,6 m<sup>3</sup>  
 Track width: \_\_\_\_\_ 1770 mm  
 Turning radius  
 (outer shovel edge): \_\_\_\_\_ 5005 mm  
 Tear out force: \_\_\_\_\_ 7200 daN  
 Torque: \_\_\_\_\_ 6900 daN  
 Tipping load, straight: \_\_\_\_\_ 6700 kg  
 Tipping load, articulated: \_\_\_\_\_ 6000 kg  
 Lifting capacity at ground level: \_ 8200 daN  
 Service weight: \_\_\_\_\_ 8200 kg

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

**Static tipping load, straight and articulated:** \_\_\_\_\_ 4755 kg  
**Lifting capacity:** \_\_\_\_\_ 6800 daN  
**Payload 80% even surface\*\*:** \_\_\_\_\_ 3804 kg  
**Payload 60% uneven surface\*\*:** \_\_\_\_\_ 2853 kg

### Sound level

**Average acoustic power-level  $L_{wA}^{(1)}$ :** \_\_\_\_\_ 100,0 dB(A)

**Guaranteed acoustic power-level  $L_{wA}^{(2)}$ :** \_\_\_\_\_ 101,0 dB(A)

**Sound pressure level  $L_pA^{(3)}$ :** \_\_\_\_\_ 79,0 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.

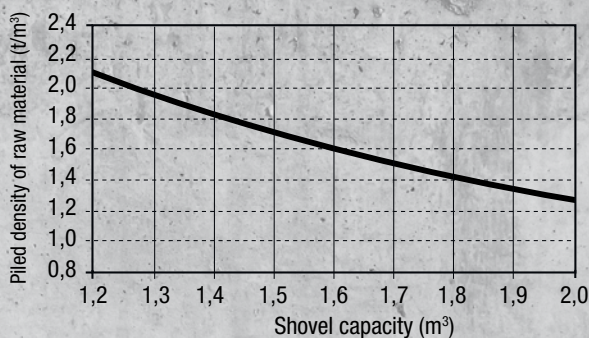
(1) According to 2000/14/EG & appendixes.

(2) According to 2000/14/EG & appendixes.

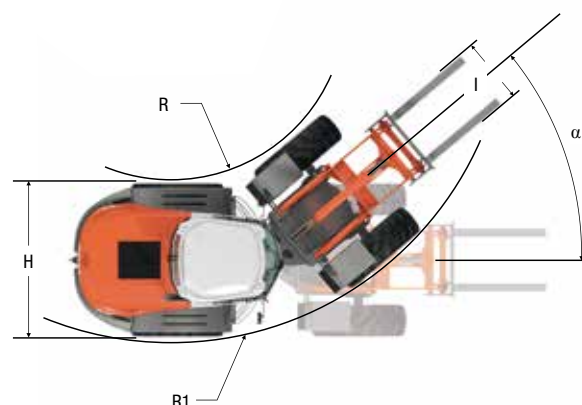
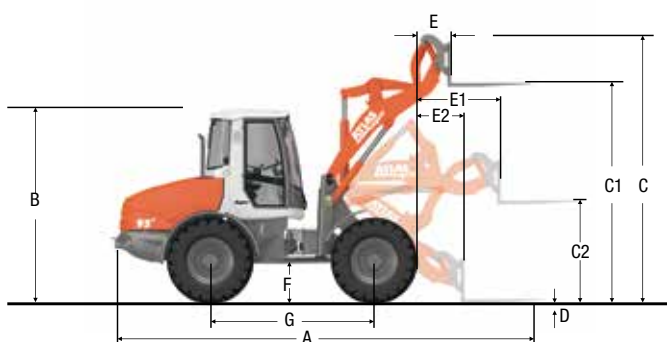
(3) According to ISO 6396.

(4) According to ISO 8041.

## Diagram for shovel selection



## Technical data AR 95 e Super with pallet forks



A	6550 mm
B	2932 mm
C	4025 mm
C1	3430 mm
C2	1650 mm
D	70 mm
E	550 mm
E1	1270 mm
E2	700 mm
F	540 mm
G	2500 mm
H	2180 mm
I	1400 mm
R	2385 mm
R1	4610 mm
α	40°

# Product range



## AR 30

**Operation weight** 2150 kg  
**Power** 24,6 kW/33,5 HP  
**Shovel capacity** 0,32 m<sup>3</sup>



## AR 35 / AR 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 60

**Operation weight** 4300 kg/4650 kg  
**Power** 36,5 kW/49,7 HP  
**Shovel capacity** 0,80 m<sup>3</sup>



## AR 65 e

**Operation weight** 5150 kg  
**Power** 54 kW/73 HP  
**Shovel capacity** 0,8 - 1,00 m<sup>3</sup>



## AR 75 e

**Operation weight** 5760 kg  
**Power** 54 kW/73 HP  
**Shovel capacity** 1,00 m<sup>3</sup>



## AR 75 e S

**Operation weight** 6280 kg  
**Power** 54 kW/73 HP  
**Shovel capacity** 0,80 m<sup>3</sup>



## AR 75 e T

**Operation weight** 6000 kg  
**Power** 54 kW/73 HP  
**Shovel capacity** 1,00 m<sup>3</sup>



## AR 80 e

**Operation weight** 6220 kg  
**Power** 70 kW/95 HP  
**Shovel capacity** 1,00 - 1,20 m<sup>3</sup>



## AR 85 e

**Operation weight** 7000 kg  
**Power** 80 kW/109 HP  
**Shovel capacity** 1,30 - 1,40 m<sup>3</sup>



## AR 95 e / AR 95 e Super

**Operation weight** 7900 kg/8200 kg  
**Power** 85 kW/115,5 HP  
 95 kW/129 HP  
**Shovel capacity** 1,40 m<sup>3</sup>/1,60 m<sup>3</sup>



## AR 105 e

**Operation weight** 9450 kg  
**Power** 105 kW/143 HP  
**Shovel capacity** 1,60 - 1,80 m<sup>3</sup>

Compliance with the new statutory limits for exhaust emissions is one thing. Deriving tangible benefits for our customers is another. We are proud to have incorporated both in the development of the new generation of wheel loaders.

Higher power - lower consumption plus a series of other innovative features that make a genuinely positive difference in a construction site environment. All the features inside are now represented on the outside by a small "e" and the new product name "ATLAS weycor".

\*ATLAS WEYCOR is an ATLAS WEYHAUSEN GMBH brand

# ATLAS weycor