

AR 95^E

Operation weight:

7900 kg

Power:

85,0 kW (115,5 HP)

Shovel capacity:

1,4 - 1,6 m³



ATLAS
weycor

AR 95^E





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 3.6 L4

Newly-designed, water-cooled 4-cylinder inline engine with cooled, external exhaust gas recirculation with and without turbocharging and optionally with and without charge air cooling.

Use of DVERT® oxidation catalyst (DOC) enables maintenance-free operation under all application and ambient conditions.

The powerful Common Rail injection system and highly-efficient combustion process with cooled external exhaust gas recirculation ensure optimum engine performance at low fuel consumption and exhaust emissions.

Best cold starting performance even under extreme conditions.

The engines meet the requirements of the EU Stage IIIB and US EPA Tier 4 interim with DVERT® oxidation catalyst.



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. The tapered loading rocker makes sure you can always keep an eye on the attachment.



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

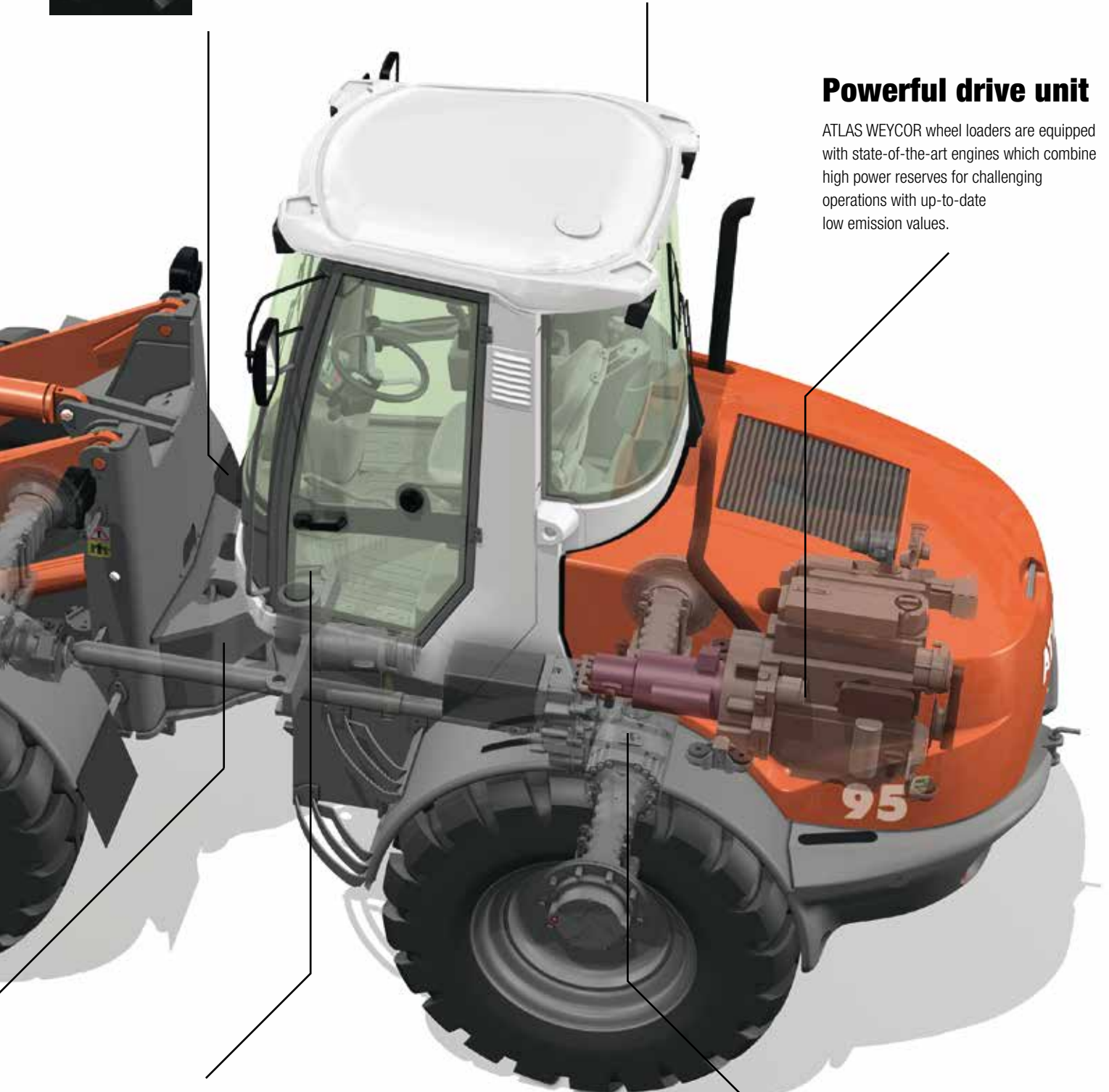
Low-maintenance and quick, easy servicing is achieved by central, consolidated, easy-to-reach service points.

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 WEYCOR 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^E

TECHNICAL DATA

Engine

Make: _____ Deutz Diesel engine
TCD 3.6 L4

Type: _____ water cooled

Power*:** _____ set to 85 kW (115,5 HP)
at 2200 min⁻¹

Max. torque: _____ 460 Nm at 1600 min⁻¹

Stroke: _____ 3621 cm³

Cylinders: _____ 4 in line

Electrical System

Operating voltage _____ 12 V

Battery _____ 12 V/100 Ah

Alternator _____ 14 V/95 A

Starter _____ 12 V/3,2 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 independent of load
- 3rd hydraulic section serial
- Loading hydraulic hydraulically pre-activated by ATLAS joystick, including float position
- Operating pressure 230 bar, Delivery of pump 100 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 acc. to German StVZO for road travel

Lifting 6,0 s

Lowering 4,6 s

Tipping 1,8 s

Fuel/oil capacities

Diesel: 120 l

Hydraulic oil: 106 l

Front axle: 7,2 l

Gear oil: 1,8 l

Engine oil: 10 l

Rear axle: 7,2 l

Cooling liquid: 21 l

Specific gravity for material handling 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

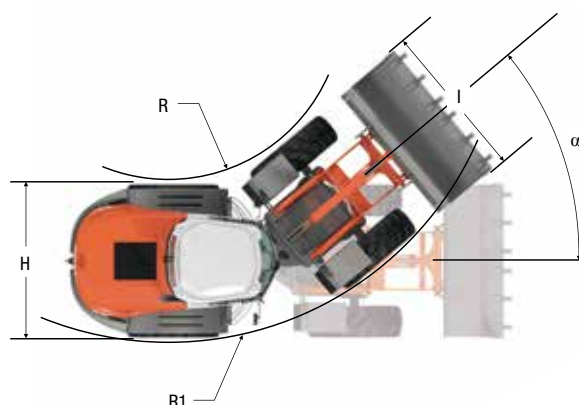
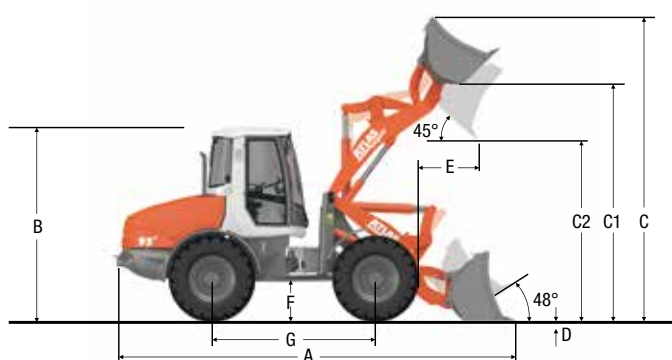
INDUSTRY

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
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 with standard shovel



A 6230 mm
B 2932 mm
C 4575 mm
C1 3630 mm
C2 2815 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 wiper 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

- 4th 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
- Joystick with integrated proportional steering for 3rd section
- Warning beacon
- Anti-theft-device with code stick
- Heatable and air cushioned seats
- Auxiliary heating
- Radio
- Doors with sliding windows, left and right side

More options upon request

OPERATING DATA

Shovel capacity acc. to SAE: _____ 1,4-1,6 m³
 Track width: _____ 1775 mm
 Turning radius
 (outer shovel edge): _____ 5005 mm
 Tear out force: _____ 7200 daN
 Torque: _____ 6400 daN
 Tipping load, straight: _____ 6572 kg
 Tipping load, articulated: _____ 5812 kg
 Lifting capacity at ground level: _ 8200 daN
 Service weight: _____ 7900 kg

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

Static tipping load, straight and articulated: _____ 4600 kg
Lifting capacity: _____ 6800 daN
Payload 80% even surface:** _____ 3680 kg
Payload 60% uneven surface:** _____ 2760 kg

Sound level

Average acoustic power-level $L_{wA}^{(1)}$: _____ 99,6 dB(A)

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

Sound pressure level $L_pA^{(3)}$: _____ 78,0 dB(A)

Specific vibration-data

Hand- / arm- / body

-vibration⁽⁴⁾: _____ < 2,5 / 0,5 m/s²

* 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.

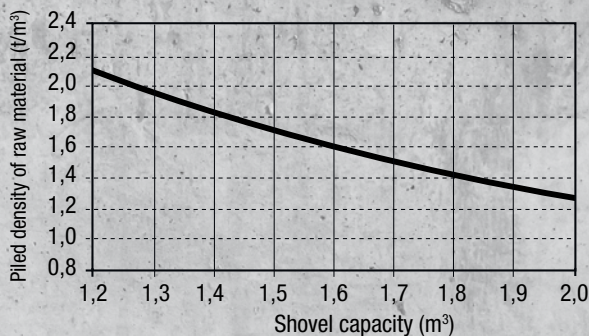
(1) According to 2000/14/EG & appendixes.

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

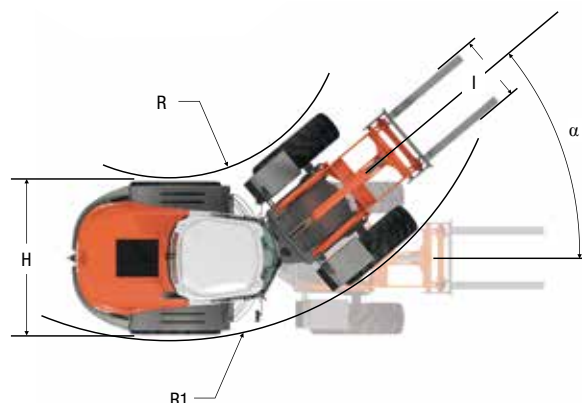
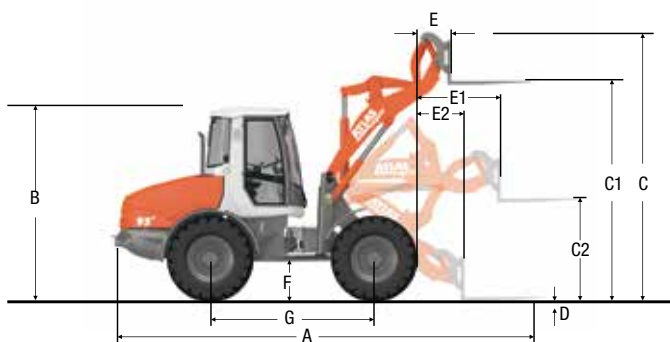
(3) According to ISO 6396.

(4) According to ISO 8041.

Diagram for shovel selection



Technical data AR 95 e 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 m³



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 m³/0,40 m³



AR 40

Operation weight 3300 kg
Power 29,4 kW/40 HP
Shovel capacity 0,50 m³



AR 60

Operation weight 4300 kg/4650 kg
Power 36,5 kW/49,7 HP
Shovel capacity 0,80 m³



AR 65 e

Operation weight 5150 kg
Power 54 kW/73 HP
Shovel capacity 0,8 - 1,00 m³



AR 75 e

Operation weight 5760 kg
Power 54 kW/73 HP
Shovel capacity 1,00 m³



AR 75 e S

Operation weight 6280 kg
Power 54 kW/73 HP
Shovel capacity 0,80 m³



AR 75 e T

Operation weight 6000 kg
Power 54 kW/73 HP
Shovel capacity 1,00 m³



AR 80 e

Operation weight 6220 kg
Power 70 kW/95 HP
Shovel capacity 1,00 - 1,20 m³



AR 85 e

Operation weight 7000 kg
Power 80 kW/109 HP
Shovel capacity 1,30 - 1,40 m³



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 m³/1,60 m³



AR 105 e

Operation weight 9450 kg
Power 105 kW/143 HP
Shovel capacity 1,60 - 1,80 m³

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