



WEYCOR: POWERFUL, PRECISE, RELIABLE.



LATEST KINEMATICS TECHNOLOGY

The proven and tested weycor 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.



EASY MAINTENANCE

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



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

Cab with tilit function.

POWERFUL DRIVE UNIT

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.



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.

• **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.



ARTICULATED PENDULUM JOINT

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



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.



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. In the version of TIER 4 final additionally equipped with SCR. TIER 5 ready with optional DPF/DOC/SCR.

AR 85 🖰

TECHNICAL DATA

ENGINE

TCD 3.6 L4
water cooled
set to 80 kW (109 HP)
at 2,200 min ⁻¹
430 Nm
at 1,600 min ⁻¹
3,620 cm ³
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 weycor 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 springloaded brake acting on all 4 wheels. In case of standstill of engine the spring-loaded brake is automatically reactivated.

AXLES

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: 405/70 R24 EM – Construction machine tires for clay, sand, gravel, asphalt, roads, gardening and landscaping **Special tires:** 460/70 R24 – Construction machine tires for clay, sand, gravel, fields and greenland, fortified roads

HYDRAULIC SYSTEM

- Gear pump for loading and steering hydraulics Priority valve favoring steering hydraulics
- Lowering brake dependent of load
- Two lifting and tipping cylinders each
- 3rd hydraulic section serial
- · Loading hydraulic hydraulically pre-activated by weycor joystick, including float position
- Operating pressure 235 bar. Delivery of pump 86 I/min

LOADING EQUIPMENT

- Powerful and solid Z-kinematics with high tear out force
- Hydraulic guick change device
- Activation of all functions by weycor joystick Parallel movement while using pallet forks
- Automatic shovel return to excavation position
- Locking device acc. to German StVZO for road travel

Lifting 5.1 s Lowering 3.6 s Tipping 1.2 s

FUEL/OIL CAPACITIES

Diesel	120 Liter
Hydraulic oil	75 Liter
Engine oil	9.5 Liter
Front axle	4.5 Liter
Rear axle	4.2 Liter
Gear oil	2.5 Liter
Cooling liquid	16 Liter

STANDARD EOUIPMENT

INCLUSIVE

- · Rear driving mirrors, foldable
- Heatable rear screen
- · Comfortable access to cab from both sides
- · Activation of all functions by weycor 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
- 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
- Sun visor, coat hook, ceiling lamp, stow facility
- Adjustable steering column
- · Heat protection glazing with largetinted 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

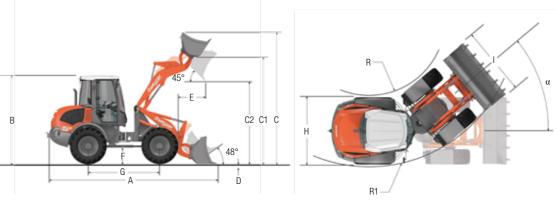
OPTIONS

TECHNICAL OPTIONS

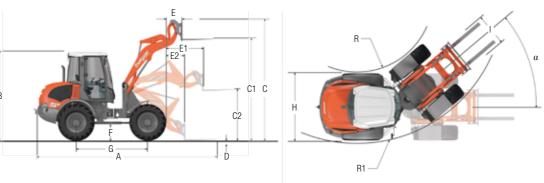
- · 4th hydraulic section front or rear
- · Stability damping system
- · Slow drive inching pedal • High speed version 40 km/h
- · Extended lifting frame
- · Preparation for Hydraulic hammer, Hand throttle device
- · Load check valve for lifting and working cylinders
- FOPS-roof
- Trailer coupling
- · Main battery switch
- · Corrosion prevention against salt
- · Special paintings and oils
- · Joystick with integrated proportional steering for 3rd section (only with ADS)
- weycor diagnostic system (ADS) for monitoring engine parameters with integrated electronic anti-theft device
- Warning beacon
- · Anti-theft-device with code stick
- · Heatable and air cushioned seats
- Auxiliary heating, comfort cab
- · Doors with sliding windows, left and right side

More options upon request

TECHNICAL DATA AR 85e WITH STANDARD SHOVEL



TECHNICAL DATA AR 85e WITH PALLET FORKS



phosphate fertiliser ..

...2.2

11

..0.4

1.0

4,110 mm 5.830 mm 2.810 mm 3 790 mm 3,335 mm C2 1,615 mm 440 mm 1,160 mm 560 mm 510 mm 2.280 mm

5.665 mm

2 820 mm 4 431 mm

3,500 mm

100 mm

880 mm

510 mm

2 280 mm

2.040 mm

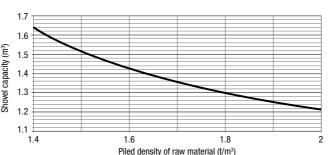
2,250 mm

1,080 mm

2,075 mm

4.110 mm

DIAGRAM FOR SHOVEL SELECTION



SPECIFIC GRAVITY FOR MATERIAL HANDLING WEIGHT (t/m³)

GUIISHIUCHUH	iliuusiiy	
concrete1.9	ember0.7	phosphate fertilise
soil (dry)1.5	brown coal briquette0.8	turf (watery)
soil (watery)2.0	ferrous product7.8	turf (dry)
rock (fill)2.4	iron ore2.3	mineral fertiliser
granite1.8	cullet1.9	
limestone1.6	gas coke0.4	
gravel (dry)1.9	timber0.8	
gravel (watery)2.1	mineral coal1.2	
loam1.7	paper0.9	
plaster2.2	slag1.0	
sand (dry)1.9	slag concrete2.7	
sand (watery)2.1		
sandstone2.4	Landscaping, Agriculture	
shale2.2	agricultural crop0.7	
sediment2.1	grain0.6	
crushed stone1.5	hay0.3	
de-icing salt1.3	potash1.1	
clay1.6	compost1.0	
cement1.7	flour0.5	
clinker (stacked) 1.8	clay (watery) 2.3	

OPERATING DATA

Shovel capacity acc. to SAE	1.3 m ³
Track width	1,640 mm
Turning radius (outer shovel edge)	4,660 mm
Tear out force	6,800 daN
Torque	5,850 daN
Tipping load, straight	5,968 kg
Tipping load, articulated	5,294 kg
Lifting capacity at ground level	6,000 daN
Service weight	7,000 kg

Differing data for use of pallet forks

Static tipping load, straight	
and articulated	3,925 kg
Lifting capacity	5,100 dal
Payload 80% even surface**	3,140 kg
Payload 60% uneven surface***	2,355 kg

Sound level

Average acoustic power-level L_wA⁽¹⁾ Guaranteed acoustic power-level L_A(2) Sound pressure level L_oA(3) Specific vibration-data Hand- / arm- / bodyvibration(4)

berour policy of continuous improvement, we reserve the right to change specifications and design without prior notice, errors expecied. It technical data refer only to the standard version, illustrations do not necessarily show the standard version of the machine. Not all products are available in all market

PRODUCT RANGE

S I

	AR 30	AR 60
Operation weight	2,150 kg	4,300 kg / 4,650 kg
Power	24.6 kW (33.5 HP)	36.5 kW (50.0 HP)
Shovel capacity	0.32 - 0.45 m ³	0.65 - 1.00 m ³

	AR 35	AR 65 ⁸
Operation weight	2,500 kg	5,150 kg
Power	24.6 kW (33.5 HP)	54.0 kW (73.0 HP)
Shovel capacity	0.34 - 0.45 m³	0.80 - 1.05 m ³

	AR 35 Super	AR 75 ⁸
Operation weight	2,875 kg	5,760 kg
Power	29.4 kW (40.0 HP)	54.0 kW (73.0 HP)
Shovel capacity	0.34 - 0.50 m ³	1.00 - 1.25 m ³

	AR 40	AR 758 S
Operation weight	3,500 kg	6,280 kg
Power	29.4 kW (40.0 HP)	54.0 kW (73.0 HP)
Shovel capacity	0.50 - 0.60 m ³	0.80 m ³

AR 75 ⁸ T
6,000 kg
54.0 kW (73.0 HP)
1.00 m ³

Model range XL



An ou
6,220 kg
70.0 kW (95.0 HP)
1.10 - 1.30 m ³



XXL



All OU
7,000 kg
80.0 kW (109.0 HP)
1.30 - 1.50 m ³





All OU	
7,900 kg	
85.0 kW (115.5 HP)	
1.40 - 2.00 m ³	

All 230°
13,800 kg
160.0 kW (218.0 HP)
2.40 - 3.00 m ³
2.40 - 3.00 m ³



Air 90° Super
8,200 kg
95.0 kW (129.0 HP)
1.40 - 2.00 m ³

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 'weycor'.

weycor is an ATLAS WEYHAUSEN GMBH brand.

