

ATLAS Teamwork

AR 75



- Construction trade, recycling, material handling, civil engineering works and road construction
- Operating weight: 5600 kg
- Power: 56.9 kW

ATLAS
WEYHAUSEN

TECHNICAL DATA AR 70



Engine

Make: Deutz Diesel engine TD 2011 L04
 Type: oil/air cooling
 Power^{**}: set to 56.9 kW (77 hp)
 at 2500 min⁻¹
 Max. torque: 240 Nm at 1600 min⁻¹
 Stroke: 3243 cm³
 Cylinders: 4 in line
 Electrical System: Operating voltage 12 V
 Battery 12 V/100 Ah
 Alternator 14 V/80 A
 Starter 12 V/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
- 1st and 2nd hydraulic gears can be engaged under load, forward/backward travel also
- forward/backward travel and speed ranges 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 axles with planetary reduction gears in wheel hubs, connecting electrically 100% differential lock for front and rear axle.



Brakes

Standard brake: Multi-disc brake running in oil bath acting on all 4 wheels. Supplementary brake functions via the 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 reactivated.



Steering

- Fully hydraulic centre-pivot steering.
- Front and rear wheels always follow the same track
- Steering angle 40° to each side, ±12° angular movement at rear of vehicle
- Operating pressure of steering hydraulics 175 bar
- Emergency steering function



Hydraulic system

- Gear type pump (internal geared wheel 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: 265 bar
- Delivery of pump: 65 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 excavating position
- Locking device acc. to German StVZO for road travel

Lifting	6,0 s
Lowering	3,8 s
Tipping	1,2 s



Standard equipment

- Rear driving mirrors, foldable
- Heatable rear screen
- Comfortable access to cab from both sides
- Single lever operation via 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 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

- 4th hydraulic section front or rear
- Stability damping system
- Slow drive inching pedal
- High speed version
- Extended lifting frame
- Connection for hydraulic hammer
- Hand throttle unit
- Load check valve for lifting and working cylinders
- Main battery switch
- Corrosion prevention against salt

- Agro oil cooler
- Special paintings and oils
- Cyclone dust separator
- Trailer coupling
- Working lights front and rear
- Heatable and air cushioned seats
- Joystick with integrated proportional steering for 3rd section (only with ADS)
- Air conditioning, auxiliary heating, comfort cab, canopy cab
- ATLAS diagnostic system (ADS) for monitoring engine parameters with integrated electronic anti-theft device
- Extra seat
- Radio
- Warning beacon
- Doors with sliding windows, left and right side
- Anti-theft device with code stick
- Engine oil preheating 220 V

More options upon request



Tires

Standard:

405/70 R 20 EM – Construction machine tires for clay, sand, gravel, asphalt, roads, gardening and landscaping

Special tires:

400/70 R20 XMCL – Construction machine tires for clay, sand, gravel, fields and greenland, fortified roads

More special tires upon request



Fuel/oil capacities

Diesel:	100 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:	1 m ³
Track width:	1640 mm
Turning radius (outer shovel edge):	4478 mm
Tear out force:	6210 daN
Torque:	5250 daN
Tipping load, straight:	4065 kg
Tipping load, articulated:	3579 kg
Lifting capacity at ground level:	5510 daN
Service weight:	5600 kg

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

Static tipping load, straight and articulated:	2956 kg
Lifting capacity:	4392 daN
Payload 80% even surface ^{**} :	2364 kg
Payload 60% uneven surface ^{**} :	1773 kg

* 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.

Specific gravity for material handling

material	weight (t/m ³)
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

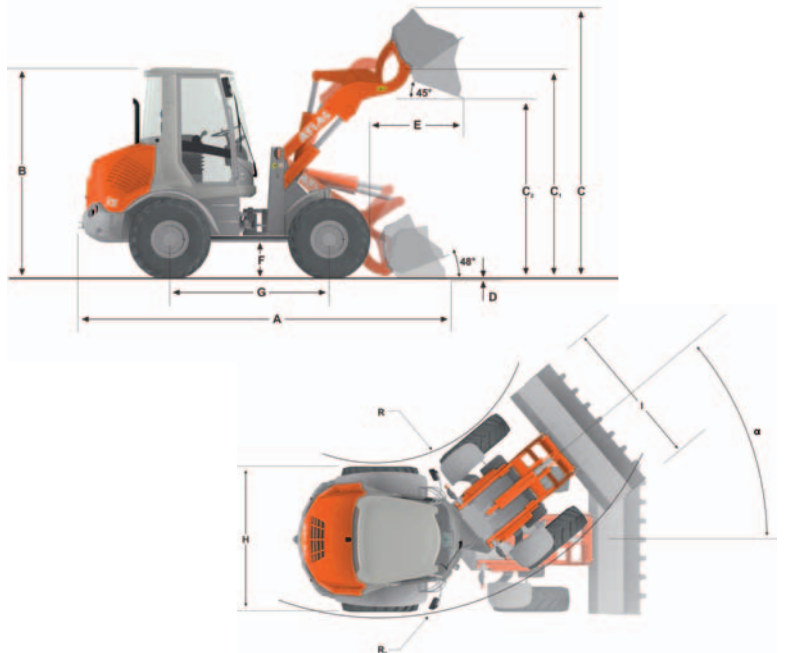
ember	0,7
brown coal briquette	0,8
ferrous product	7,8
iron ore	2,3
cullet	1,9
gas coke	0,4
timber	0,8
mineral coal	1,2
paper	0,9
slag	1,0
slag concrete	2,7

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 with standard shovel.

AR 75	
A	5580
B	2685
B ₁	1905
C	4220
C ₁	3380
C ₂	2605
D	80
E	740
F	460
G	2180
H	2050
I	2070
R	1898
R ₁	4046
All specifications in mm	
α	40°



Technical data with pallet forks.

AR 75	
A	5800
B	2685
B ₁	1905
C	3710
C ₁	3190
C ₂	1440
D	40
E	515
E ₁	1310
E ₂	800
F	460
G	2180
H	2050
I	1030
R	1898
R ₁	4046
All specifications in mm	
α	40°

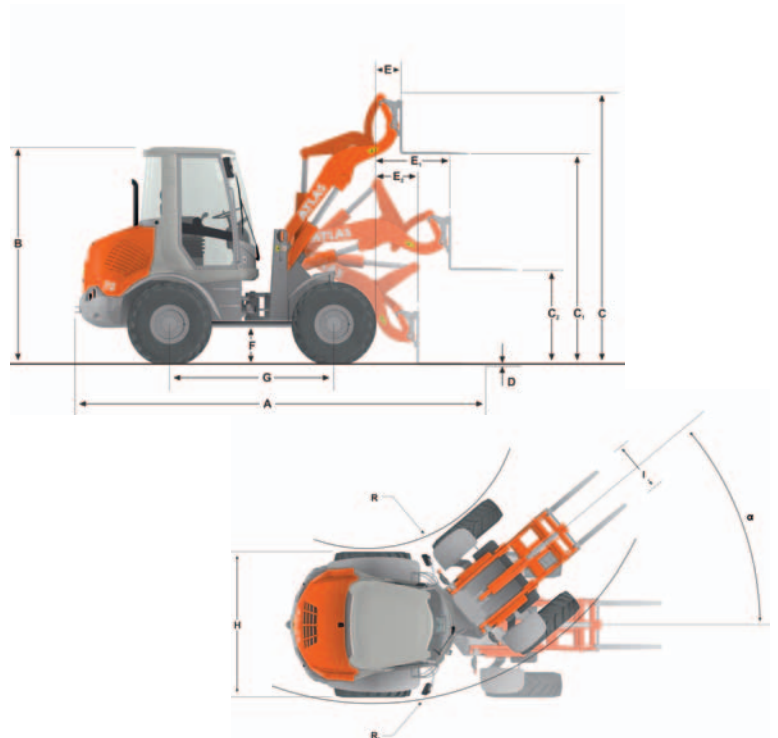
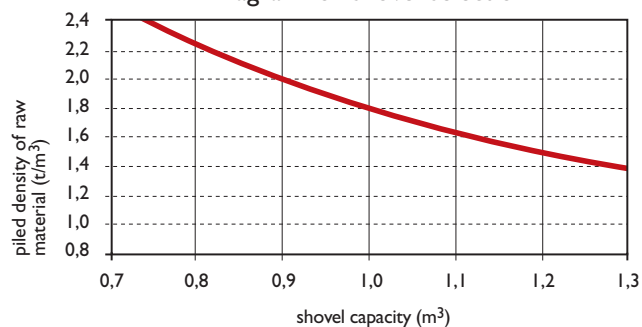


Diagram for shovel selection



ATLAS Teamwork

AR 35/35 Super



Operating 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 50



Operating weight 3950 kg
Power 42 kW (57 HP)
Shovel capacity 0.70 m³

AR 60



Operating weight 4650 kg
Power 47.5 kW (65 HP)
Shovel capacity 0.85 m³

AR 65 Super



Operating weight 4800 kg
Power 51.3 kW (70 HP)
Shovel capacity 1.00 m³

AR 75



Operating weight 5600 kg
Power 56.9 kW (77 HP)
Shovel capacity 1.00 m³

AR 75 S



Operating weight 6000 kg
Power 56.9 kW (77 HP)
Shovel capacity 0.80 m³

AR 80



Operating weight 5750 kg
Power 59.5 kW (81 HP)
Shovel capacity 1.00 m³

AR 85



Operating weight 6700 kg
Power 65 kW (88 HP)
Shovel capacity 1.30 m³

AR 95/95 Super



Operating weight 7900 kg / 8100 kg
Power 74.9 kW (102 HP) / 92 kW (125 HP)
Shovel capacity 1.40 m³ / 1.60 m³

Technical data without engagement. Subject to change without notice.

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