

**100**  
ATLAS 1919 - 2019

**ATLAS**  
SINCE 1919

-  19.5 - 22.2 t
-  115 kW (157 HP)  
EU Stage V
-  0.82 - 1.12 m<sup>3</sup>

**STABLE.  
STRONG.  
STEADY.**



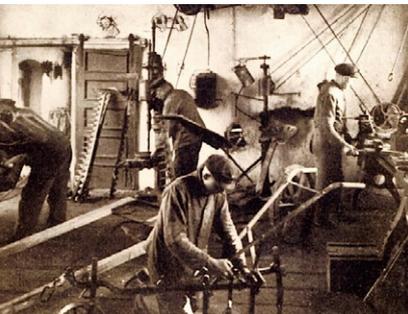
**WHEELED EXCAVATOR 180Wsr**

[WWW.ATLASGMBH.COM](http://WWW.ATLASGMBH.COM)

# ATLAS – CONSTRUCTION MACHINERY MANUFACTURER WITH TRADITION

## From person to person

When Hinrich Weyhausen started selling construction and agricultural machinery in 1919, he discovered that the machines which his customers actually needed were not available. So he listened to them carefully and went about building the machines himself – exactly according to the requirements of the people who used his machines every day. He carried out pioneering work with a passion under the brand name of Atlas. His focus was always on the benefit of the machines. And nothing has changed for us in terms of this ideal today.



**Atlas will make you strong  
with excellent products and  
a comprehensive service.**



With highly motivated employees, a great deal of commitment and expertise ATLAS GmbH develops successful crane & excavator technologies. Numerous customers, engineers and experts all around the globe have made their contribution. The result is robust equipment to enable you to work more effectively and safely than ever before.

As our know-how grew, so too did our dealer and service network worldwide.

We can hence guarantee – in those days and today too – that we will always be on the spot when you need us.



Atlas manufactures a wide range of equipment for the construction, railroad, material handling and infrastructure industries. You will find more information on Atlas under [www.atlasgmbh.com](http://www.atlasgmbh.com).

## CONSTRUCTION



## TRANSPORT



## INFRASTRUCTURE



## RECYCLING



# CUSTOMER SATISFACTION IS OUR PRIORITY!

## WE ARE COMMITTED

to providing our customers with highest quality products and services.

## QUALITY STANDARDS AND CUSTOMER SATISFACTION

are measured in terms of service performance, reliability, relevance and timeliness.

## OUR COMPANY'S MISSION, GOALS AND OBJECTIVES

are directed towards ongoing process improvement as a basis for strengthening our competitive position and for improving product quality and service standards.

## QUALITY STANDARDS AND CUSTOMER SATISFACTION

are measured in terms of product performance and reliability.

# PRODUCT RANGE

## 180Wsr





**EXTENSIVE DEALER NETWORK  
EXCELLENT SERVICE  
CUSTOMER FOCUSED**

# ATLAS - The new excavator cabin



The new ATLAS cabin – Best climate, sharp display, digital and direct, more space, best view, extremely quiet, feel good

Clear control panel – Direct selection via keys or digital control via button.....



Move safely: Standard lateral- and rear view cameras



Most powerful air conditioning system - short airways - large lines - cross sections - silent



Best view – especially to the right



# ATLAS SINCE 1939 - The new excavator cabin

Stay communicated - radio with USB connection - mobile phone tray by the left joystick



Easy: Upper carriage lock at the push of a button on T



Bottle holder near the driver



Lunch break - space for cool box with electrical connection - behind the driver's seat



Floor non-slip and Easy to sweep - storage space for tools and materials



# TECHNICAL SPECIFICATION 180Wsr

## ENGINE

|  |  |   |
|--|--|---|
| Power rating.....115 kW (157 HP)             | Bore / cylinder stroke ..... 101 / 126 | <b>STANDARD BASIC EQUIPMENT:</b>        |
| RPM ..... 1800/min                           | Cooling system ..... Water-cooled      | • Automatic idling system / Engine stop |
| Model..... Deutz TCD 4.1 L4 EU Stage V       | Air filter..... Dry air filter         | • Cold start assistance                 |
| Design.....Turbocharger / charge-air cooling | Battery..... 2 x 12 V / 100 Ah         | • Diesel pre-filter                     |
| Cylinder capacity ..... 4040 cm <sup>3</sup> | Generator .....24 V / 100 A            | • Engine monitoring                     |
| Number of cylinders ..... 4                  | Starter.....24 V / 4 kW                |   |

## HYDRAULIC SYSTEM

|   |  |  |
|---|--|--|
| • AWE 5 system (Load sensing)                       | • Pipe break protection valves for lifting and articulated cylinders | • Operating modes:<br>F1 (Fine)                        |
| • Load limit controlled high-performance pump       | • Proportional grab and grab rotating function                       | F2 (Eco)   |
| • Fuel-efficient flow-on-demand control             | • 3 circuits for additional consumer loads possible                  | F3 (Power)   |
| • Sensitive, proportional, independent control      | • Max. oil flow ..... 380 l/min                                      | • Accumulator for emergency lowering of the arm system |
| • Primary and secondary protection against overload | • Max. operating pressure ..... 340 bar                              | • Load-limit control                                   |
| • Suction valves for all work functions             | • Cylinder end position damping                                      |  |

## SWING ASSEMBLY

|  |   |                                |
|--|---|--------------------------------|
| • Axial piston motor with priority valve | • Automatically controlled multi-disc brake | • Swing torque..... 45 kNm     |
| • Planetary transmission                 | • Two, two-stage valves                     | • Max. swing speed. .... 9/min |

## TRACTION DRIVE AND BRAKES

|   |  |  |
|---|--|--|
| • Variable displacement motor                           | • Automotive traveling and cruise control: | • Tractive force..... 91.8 kN                |
| • Power-shift transmission                              | • Max. speed ..... 20 km/h                 | • Gradeability ..... 55 %                    |
| • Double-acting brake valve                             | • Off-road speed ..... 5 km/h              | • Dual-circuit brake system ..... Multi-disc |
| • Travel direction pre-selection via switch in joystick | • Crawling speed..... 3 km/h               | • Parking brake ..... Multi-disc             |

## UNDERCARRIAGE

|   |                            |                                       |
|---|----------------------------|---------------------------------------|
| • Steering axle with automatic oscillating axle locking | • Heavy duty axles         | • STD tires: Mitas 10.00-20 16PR EM23 |
| • Additional axis locking via left joystick             | • Toolbox in undercarriage |                                       |

## TIRES

### OPTIONAL:

|   |   |   |
|---|---|---|
| • 4-road tyres 710/40 – 22.5 24PR Nokia | • 8-road tyres 10.00-20 16PR profile for asphalt use  | • 8-road tyres 315/70 R22.5 Marked with a band, Grader type |
| • 8-road tyres 10.00-20 16PR Nokia      | • 8-road tyres 10.00-20 Super elastic (up to 16 km/h) | • 8-road tyres 215/70 R22.5 Caliber Power Grip 23           |

# WORKING EQUIPMENT 180Wsr

## DRIVER'S CAB

|  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>• Meets latest safety standards (ROPS)</li> <li>• Extra large entry zone</li> <li>• Spacious leg room</li> <li>• Radio preparation with mute function</li> <li>• Ready for electric cooling box</li> <li>• Different options for storage, compartment for documents</li> <li>• Heat-absorbing glass, tinted windows</li> <li>• Excellent all-way visibility</li> <li>• Bottle holder</li> </ul> | <b>DRIVER'S SEAT:</b> <ul style="list-style-type: none"> <li>• Comfort seat with headrest</li> <li>• Arm rests and lumbar support</li> <li>• Seat adjustable separately from console</li> <li>• Air suspension</li> <li>• Heated</li> <li>• Horizontal and vertical suspension</li> <li>• Lumbar support</li> </ul> | <b>MONITORING:</b> <ul style="list-style-type: none"> <li>• Operating data display screen</li> <li>• Automatic system for monitoring, warning and storage of data</li> <li>• Rear view security camera</li> <li>• Right side camera</li> </ul> |
|  | <b>CONTROL:</b> <ul style="list-style-type: none"> <li>• Ergonomic joysticks with proportional slide control</li> <li>• Slim steering column, height and tilt adjustable</li> <li>• Indicators, controls and operating switches are clearly arranged</li> <li>• Swing axle lock in the left joystick</li> </ul>     | <b>CLIMATE CONTROL:</b> <ul style="list-style-type: none"> <li>• Automatic climate control</li> <li>• Excellent air distribution through optimally arranged nozzles</li> <li>• Refrigerant R134a</li> </ul>                                    |
|  |   | <b>SOUND LEVELS:</b> <ul style="list-style-type: none"> <li>• ISO 6396 (L<sub>p</sub>A) in driver's cab ..... 70 dB(A)</li> <li>• 2000/14 EG (L<sub>w</sub>A) ambience level ..... 97 dB(A)</li> </ul>   |

## ADDITIONAL EQUIPMENT

|  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• Refueling pump</li> <li>• Beacon light</li> <li>• Gear protection</li> <li>• Cabin Sliding door</li> <li>• Cab protection guard</li> <li>• Wheel cover</li> <li>• Cab elevation</li> <li>• Joystick steering</li> <li>• 270° camera system</li> </ul> | <ul style="list-style-type: none"> <li>• LED working lights</li> <li>• 35% axle differential lock</li> <li>• Alarm-signal while driving</li> <li>• Auxiliary heating with water circuit</li> <li>• Automatic working brake</li> <li>• Switch hydraulic attachment kit, supports separately at front and rear</li> <li>• Hydraulic add-on kit, switch supports axially separately</li> <li>• Proportional control of supports by slide in joystick</li> <li>• Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment</li> </ul> | <ul style="list-style-type: none"> <li>• Premium Driver seat (Actimo Evolution)</li> <li>• Electric cooling box</li> <li>• Radio with USB and Bluetooth</li> <li>• GPS/GSM telemetric system for monitoring of operating data, consumption, position</li> <li>• Biodegradable oil</li> <li>• Wide axles (overall width 2750 mm)</li> <li>• Wide dozer blade (2750 mm)</li> <li>• Counterweight 1950 mm</li> </ul> |
|  |  | <b>Other additional equipment:</b> See price list<br><b>Special options:</b> upon request   |

## FILL CAPACITIES

|                                |                                  |                                   |
|--------------------------------|----------------------------------|-----------------------------------|
| • Fuel tank .....260 litres    | • Engine oil.....10 litres       | • Hydraulic system.....380 litres |
| • Cooling system.....27 litres | • Hydraulic tank .....300 litres | • Ad Blue® .....20 litres         |

## OPERATING WEIGHTS

|                      | MONOBLOCK BOOM<br>4.95 m (C66.3M) |                       | ADJUSTABLE BOOM<br>Base arm 1.92 m (C66.41)<br>Boom 3.30 m (C66.46) |                       |
|----------------------|-----------------------------------|-----------------------|---|-----------------------|
|                      | Stick 2.20 m (D63.2A)             | Stick 2.70 m (D63.3A) | Stick 2.20 m (D63.2A)   | Stick 2.70 m (D63.3A) |
| Support dozer blade  | 19.5 - 20.0 t                     | 19.6 - 20.1 t         | 20.1 - 20.6 t   | 20.2 - 20.7 t         |
| SDB / outriggers     | 21.0 - 21.5 t                     | 21.1 - 21.6 t         | 21.6 - 22.1 t   | 21.7 - 22.2 t         |
| 4 support outriggers | 21.0 - 21.5 t                     | 21.1 - 21.6 t         | 21.6 - 22.1 t   | 21.7 - 22.2 t         |

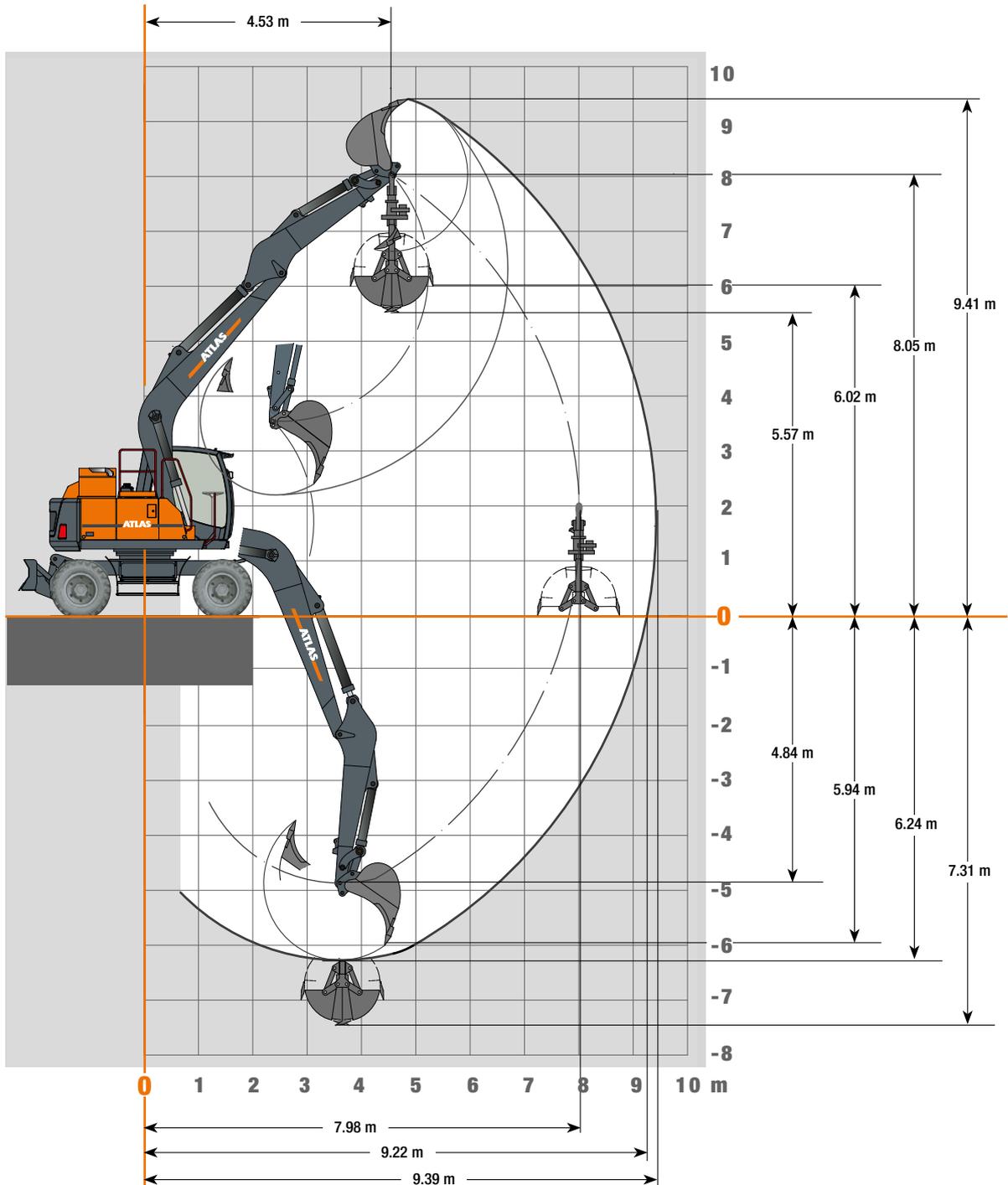
Operating weight incl. driver, fuel, lubricants and coolant plus 1.5 ton for attachments

## ATTACHMENTS (SELECTION)

|               | Bucket F415         | Bucket F418         | Trench digger G644  |
|---------------|---------------------|---------------------|---------------------|
| Capacity SAE  | 0.67 m <sup>3</sup> | 0.92 m <sup>3</sup> | 0.56 m <sup>3</sup> |
| Cutting width | 850 mm              | 1100 mm             | 2000 mm             |

# WORKING RANGES 180Wsr

Monoblock boom 4.95 m (C66.3M) with stick 2.70 m (D63.3A)



# LIFTING CAPACITIES 180Wsr

## Lifting capacities Monoblock boom 4.95 m (C66.3M) and stick 2.20 m (D63.2A). Tailswing 1750 mm (4.5 t)

| Height  | Undercarriage type  |  | 2.5 m           | 3.0 m          | 3.5 m          | 4.0 m          | 4.5 m          | 5.0 m          | 5.5 m          | 6.0 m          | 6.5 m          | 7.0 m          | 7.5 m          |
|---------|---|--|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| + 7.5 m | FRONT      | SDB rear, supported<br>SDB front, raised |                 |                |                |                | 3851<br>3851   |                |                |                |                |                |                |
|         | LATERAL    | SDB supported<br>SDB raised              |                 |                |                |                | 3851<br>3495*  |                |                |                |                |                |                |
| + 6.0 m | FRONT      | SDB rear, supported<br>SDB front, raised |                 |                |                |                |                | 3593<br>3593   | 3688<br>3688   | 3831<br>3793*  |                |                |                |
|         | LATERAL    | SDB supported<br>SDB raised              |                 |                |                |                |                | 3446*<br>3055* | 3001*<br>2658* | 2626*<br>2322* |                |                |                |
| + 4.5 m | FRONT      | SDB rear, supported<br>SDB front, raised |                 |                |                |                | 4032<br>4032   | 3952<br>3952   | 3893<br>3893   | 3859<br>3777*  | 3859<br>3364*  | 2104<br>2104   |                |
|         | LATERAL    | SDB supported<br>SDB raised              |                 |                |                |                | 3889*<br>3437* | 3370*<br>2980* | 2954*<br>2612* | 2612*<br>2307* | 2323*<br>2048* | 2063*<br>1814* |                |
| + 3.0 m | FRONT      | SDB rear, supported<br>SDB front, raised | 8791<br>8791    | 7173<br>7173   | 6194<br>6194   | 5540<br>5540   | 5077<br>5077   | 4737<br>4724*  | 4480<br>4150*  | 4285<br>3686*  | 4139<br>3302*  | 4042<br>2977*  |                |
|         | LATERAL    | SDB supported<br>SDB raised              | 7746*<br>6651*  | 6154*<br>5341* | 5068*<br>4426* | 4280*<br>3753* | 3684*<br>3238* | 3216*<br>2830* | 2839*<br>2499* | 2527*<br>2224* | 2265*<br>1992* | 2039*<br>1790* |                |
| + 1.5 m | FRONT      | SDB rear, supported<br>SDB front, raised |                 | 9880<br>9002*  | 8173<br>7276*  | 7024<br>6084*  | 6211<br>5209*  | 5613<br>4539*  | 5159<br>4009*  | 4807<br>3578*  | 4530<br>3221*  | 4309<br>2919*  | 2549<br>2549   |
|         | LATERAL    | SDB supported<br>SDB raised              |                 | 5604*<br>4815* | 4675*<br>4047* | 3990*<br>3472* | 3464*<br>3024* | 3047*<br>2666* | 2708*<br>2371* | 2427*<br>2126* | 2189*<br>1917* | 1984*<br>1737* | 1805*<br>1578* |
| + 0 m   | FRONT      | SDB rear, supported<br>SDB front, raised | 7169<br>7169    | 10759<br>8760* | 9112<br>7047*  | 7878<br>5888*  | 6942<br>5047*  | 6219<br>4407*  | 5649<br>3903*  | 5190<br>3494*  | 4810<br>3156*  | 4480<br>2873*  |                |
|         | LATERAL    | SDB supported<br>SDB raised              | 6818*<br>5773*  | 5400*<br>4619* | 4476*<br>3856* | 3816*<br>3303* | 3318*<br>2882* | 2926*<br>2547* | 2610*<br>2275* | 2348*<br>2049* | 2128*<br>1858* | 1942*<br>1695* |                |
| - 1.5 m | FRONT     | SDB rear, supported<br>SDB front, raised | 12061<br>11659* | 10497<br>8768* | 9082<br>7014*  | 7965<br>5838*  | 7071<br>4994*  | 6343<br>4359*  | 5739<br>3864*  | 5220<br>3469*  | 4741<br>3149*  |                |                |
|         | LATERAL  | SDB supported<br>SDB raised              | 6875*<br>5827*  | 5406*<br>4625* | 4447*<br>3828* | 3771*<br>3260* | 3270*<br>2835* | 2883*<br>2505* | 2575*<br>2241* | 2325*<br>2026* | 2122*<br>1851* |                |                |
| - 3.0 m | FRONT    | SDB rear, supported<br>SDB front, raised | 10801<br>10801  | 9352<br>8894*  | 8203<br>7107*  | 7260<br>5910*  | 6462<br>5054*  | 5758<br>4416*  | 5085<br>3927*  |                |                |                |                |
|         | LATERAL  | SDB supported<br>SDB raised              | 7017*<br>5962*  | 5513*<br>4727* | 4527*<br>3906* | 3835*<br>3322* | 3324*<br>2888* | 2935*<br>2556* | 2633*<br>2298* |                |                |                |                |

## Lifting capacities Monoblock boom (C66.3M) and stick 2.70 m (D63.3A). Tailswing 1950 mm (4.5 t), wide axle 2750 mm

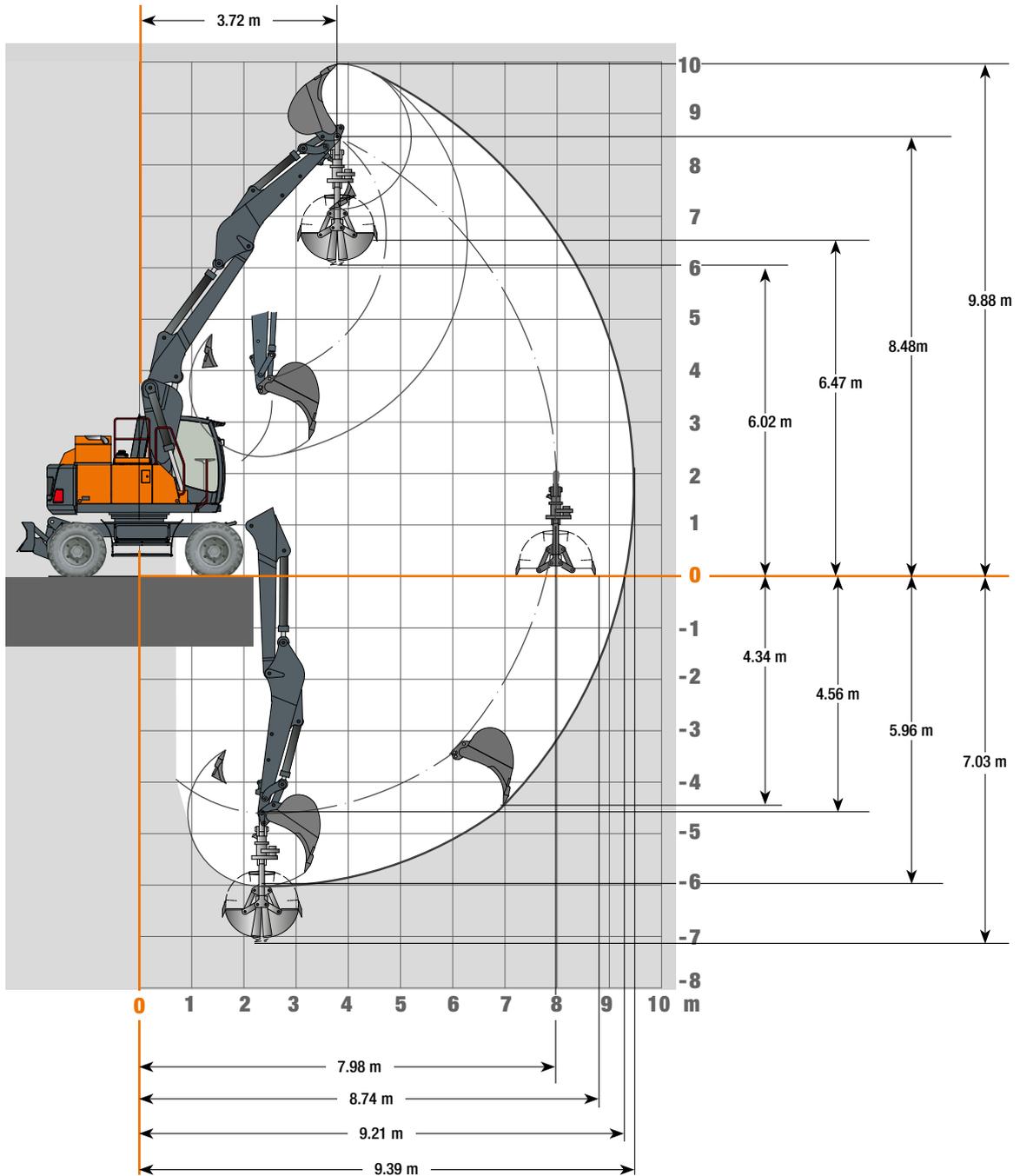
| Height  | Undercarriage type  |  | 3.0 m          | 3.5 m          | 4.0 m          | 4.5 m          | 5.0 m          | 5.5 m          | 6.0 m          | 6.5 m          | 7.0 m          | 7.5 m          |
|---------|---|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| + 7.5 m | FRONT    | SDB rear, supported<br>SDB front, raised |                |                |                | 4384<br>4384   |                |                |                |                |                |                |
|         | LATERAL  | SDB supported<br>SDB raised              |                |                |                | 4384<br>4037*  |                |                |                |                |                |                |
| + 6.0 m | FRONT    | SDB rear, supported<br>SDB front, raised |                |                |                |                | 4094<br>4094   | 4158<br>4158   | 4303<br>4281*  |                |                |                |
|         | LATERAL  | SDB supported<br>SDB raised              |                |                |                |                | 3960*<br>3508* | 3415*<br>3026* | 2964*<br>2623* |                |                |                |
| + 4.5 m | FRONT    | SDB rear, supported<br>SDB front, raised |                |                | 5035<br>5035   | 4768<br>4768   | 4570<br>4570   | 4425<br>4425   | 4328<br>4263*  | 4282<br>3769*  |                |                |
|         | LATERAL  | SDB supported<br>SDB raised              |                |                | 5035<br>4725*  | 4509*<br>3977* | 3860*<br>3411* | 3354*<br>2967* | 2947*<br>2607* | 2609*<br>2306* |                |                |
| + 3.0 m | FRONT    | SDB rear, supported<br>SDB front, raised |                | 8347<br>8347   | 7007<br>7007   | 6161<br>6161   | 5580<br>5424*  | 5162<br>4713*  | 4853<br>4151*  | 4625<br>3695*  | 4466<br>3314*  |                |
|         | LATERAL  | SDB supported<br>SDB raised              |                | 6003*<br>5199* | 4988*<br>4352* | 4238*<br>3715* | 3665*<br>3221* | 3212*<br>2827* | 2844*<br>2506* | 2539*<br>2238* | 2280*<br>2008* |                |
| + 1.5 m | FRONT    | SDB rear, supported<br>SDB front, raised |                |                | 8762<br>7234*  | 7496<br>6067*  | 6602<br>5208*  | 5947<br>4550*  | 5451<br>4027*  | 5069<br>3602*  | 4769<br>3249*  | 3853<br>2948*  |
|         | LATERAL  | SDB supported<br>SDB raised              |                |                | 4646*<br>4023* | 3982*<br>3466* | 3470*<br>3031* | 3062*<br>2682* | 2730*<br>2394* | 2453*<br>2153* | 2219*<br>1948* | 2016*<br>1769* |
| + 0 m   | FRONT    | SDB rear, supported<br>SDB front, raised |                | 10060<br>8830* | 9291<br>7086*  | 8083<br>5923*  | 7143<br>5083*  | 6405<br>4445*  | 5817<br>3943*  | 5336<br>3537*  | 4924<br>3203*  |                |
|         | LATERAL  | SDB supported<br>SDB raised              |                | 5469*<br>4688* | 4517*<br>3898* | 3854*<br>3342* | 3356*<br>2920* | 2966*<br>2588* | 2652*<br>2318* | 2393*<br>2094* | 2176*<br>1906* |                |
| - 1.5 m | FRONT    | SDB rear, supported<br>SDB front, raised | 11712<br>11712 | 10207<br>8892* | 8949<br>7111*  | 7912<br>5921*  | 7054<br>5070*  | 6337<br>4431*  | 5719<br>3936*  | 5145<br>3546*  |                |                |
|         | LATERAL  | SDB supported<br>SDB raised              | 7030*<br>5977* | 5521*<br>4738* | 4540*<br>3920* | 3852*<br>3341* | 3344*<br>2909* | 2954*<br>2576* | 2646*<br>2312* | 2401*<br>2102* |                |                |
| - 3.0 m | FRONT    | SDB rear, supported<br>SDB front, raised | 9898<br>9898   | 8709<br>8709   | 7713<br>7235*  | 6851<br>6025*  | 6069<br>5165*  | 5279<br>4532*  |                |                |                |                |
|         | LATERAL  | SDB supported<br>SDB raised              | 7187*<br>6126* | 5651*<br>4863* | 4648*<br>4024* | 3945*<br>3430* | 3430*<br>2993* | 3046*<br>2666* |                |                |                |                |

The specified max. loading capacities in kilogrammes (kg) include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567. These values are applicable at the tip of the arm with optimum positioning of the corresponding arm system. Weights of attached load carrying accessories (grab, magnet, load hook, etc.) are not included with the load carrying values.

\*Value limited due to excavator stability.

# WORKING RANGES 180Wsr

Adjustable boom (C66.41/C66.46) with stick 2.70 m (D63.3A)



# LIFTING CAPACITIES 180Wsr

## Lifting capacities Adjustable boom (C66.41/C66.46) with stick 2.20 m (D63.2A). Tailswing 1750 mm (4,5 t)

| Height  | Undercarriage type  |  | 2.5 m                    | 3.0 m                   | 3.5 m                   | 4.0 m                   | 4.5 m                   | 5.0 m                   | 5.5 m                   | 6.0 m                   | 6.5 m                   | 7.0 m                   | 7.5 m                   |
|---------|---|--|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| + 7.5 m | FRONT      | SDB rear, supported                              |                          |                         |                         | 4407                    | 4475                    |                         |                         |                         |                         |                         |                         |
|         | LATERAL    | SDB front, raised<br>SDB supported<br>SDB raised |                          |                         |                         | 4407<br>4407<br>4407    | 4475<br>4475<br>4278*   |                         |                         |                         |                         |                         |                         |
| + 6.0 m | FRONT      | SDB rear, supported                              |                          |                         |                         |                         | 4138                    | 4102                    | 4088                    | 4127                    |                         |                         |                         |
|         | LATERAL    | SDB front, raised<br>SDB supported<br>SDB raised |                          |                         |                         |                         | 4138<br>4138<br>4138    | 4102<br>4102<br>3762*   | 4088<br>4088<br>3262*   | 3876*<br>3152*<br>2787* |                         |                         |                         |
| + 4.5 m | FRONT      | SDB rear, supported                              |                          |                         | 5075                    | 4798                    | 4573                    | 4390                    | 4242                    | 4126                    | 4045                    |                         |                         |
|         | LATERAL    | SDB front, raised<br>SDB supported<br>SDB raised |                          |                         | 5075<br>5075<br>5075    | 4798<br>4798<br>4798    | 4573<br>4573<br>4252*   | 4390<br>4134*<br>3713*  | 4242<br>3650*<br>3280*  | 3894*<br>3247*<br>2881* | 3453*<br>2809*<br>2482* |                         |                         |
| + 3.0 m | FRONT      | SDB rear, supported                              | 9443                     | 7766                    | 6704                    | 5970                    | 5433                    | 5025                    | 4706                    | 4451                    | 4246                    | 4080                    |                         |
|         | LATERAL    | SDB front, raised<br>SDB supported<br>SDB raised | 9443<br>9443<br>8581*    | 7766<br>7699*<br>6821*  | 6704<br>6322*<br>5642*  | 5970<br>5350*<br>4788*  | 5433<br>4619*<br>4139*  | 5025<br>4046<br>3638    | 4706<br>3596*<br>3238*  | 4298<br>3235*<br>2876*  | 3851*<br>2809*<br>2483* | 3452*<br>2448*<br>2152* | 3025*<br>2438*<br>2152* |
| + 1.5 m | FRONT      | SDB rear, supported                              | 10538                    | 9856                    | 8245                    | 7123                    | 6305                    | 5688                    | 5206                    | 4821                    | 4503                    | 4230                    | 2808                    |
|         | LATERAL    | SDB front, raised<br>SDB supported<br>SDB raised | 10538<br>9513*<br>8342*  | 9248*<br>7494*<br>6638* | 7527<br>6179*<br>5505   | 6337*<br>5237*<br>4684* | 5460<br>4540*<br>4074*  | 4784*<br>4000*<br>3600* | 4259*<br>3581*<br>3226* | 3847<br>3147*<br>2786*  | 3374*<br>2736*<br>2410* | 2970*<br>2393*<br>2099* | 2632*<br>2107*<br>1839* |
| + 0 m   | FRONT      | SDB rear, supported                              | 12074                    | 10266                   | 8749                    | 7617                    | 6736                    | 6038                    | 5474                    | 5005                    | 4612                    | 4273                    |                         |
|         | LATERAL    | SDB front, raised<br>SDB supported<br>SDB raised | 11982*<br>9569*<br>8388* | 9265<br>7518*<br>6658*  | 7535<br>6190*<br>5512*  | 6340*<br>5257<br>4656*  | 5471<br>4553*<br>4005*  | 4822*<br>3957*<br>3487* | 4261*<br>3453*<br>3044* | 3700*<br>2987*<br>2625* | 3249*<br>2613*<br>2289* | 2880*<br>2305*<br>2012* |                         |
| - 1.5 m | FRONT    | SDB rear, supported                              | 12593                    | 10407                   | 8859                    | 7708                    | 6822                    | 6125                    | 5601                    | 5080                    | 4407                    |                         |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised | 12231*<br>9411*<br>7985* | 9481*<br>7338*<br>6310* | 7666*<br>5994*<br>5199* | 6379*<br>5047*<br>4401* | 5441*<br>4339*<br>3797* | 4664*<br>3730*<br>3266* | 4034*<br>3226*<br>2822* | 3538*<br>2827*<br>2468* | 3148*<br>2513*<br>2191* |                         |                         |
| - 3.0 m | FRONT    | SDB rear, supported                              | 13088                    | 10879                   | 9240                    | 7927                    | 6800                    | 5739                    | 4599                    |                         |                         |                         |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised | 12458*<br>9268*<br>7851* | 9416*<br>7212*<br>6191* | 7481*<br>5823*<br>5035* | 6154*<br>4836*<br>4198* | 5199*<br>4111*<br>3576* | 4486*<br>3561*<br>3102* | 3940*<br>3137*<br>2735* |                         |                         |                         |                         |

## Lifting capacities Adjustable boom (C66.41/C66.46) with stick 2.70 m (D63.3A). Tailswing 1950 mm, (4,5 t), wide axle 2750 mm

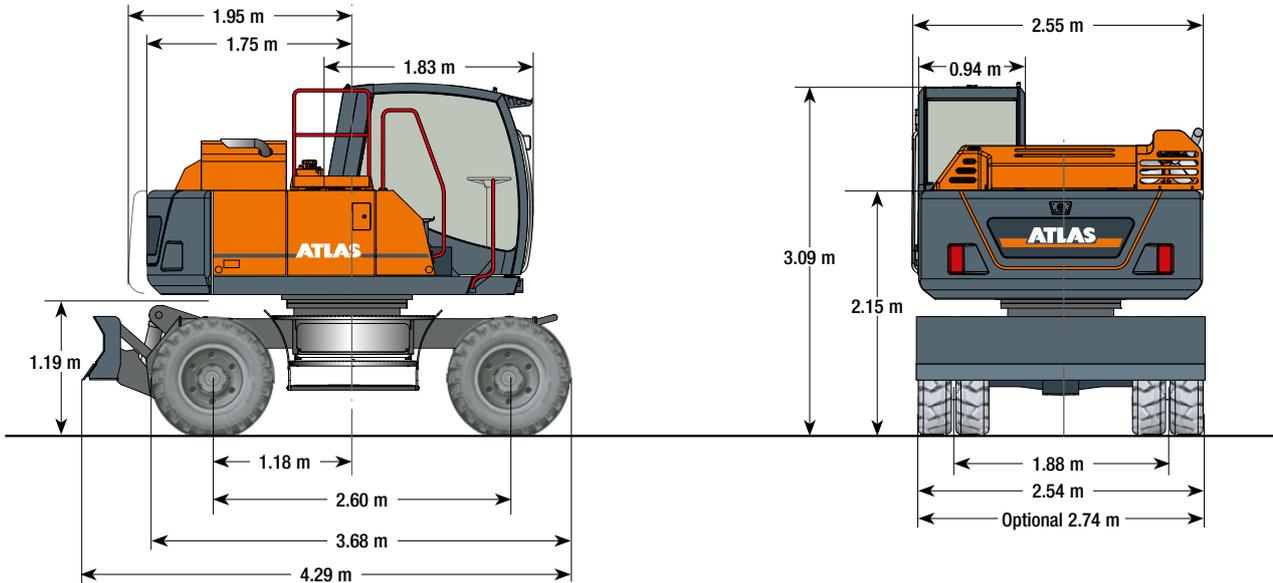
| Height  | Undercarriage type  |  | 3.0 m                    | 3.5 m                   | 4.0 m                   | 4.5 m                   | 5.0 m                   | 5.5 m                   | 6.0 m                   | 6.5 m                   | 7.0 m                   | 7.5 m                   |
|---------|---|--|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| + 7.5 m | FRONT    | SDB rear, supported                              |                          |                         | 5237                    | 4907                    |                         |                         |                         |                         |                         |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised |                          |                         | 5237<br>5237<br>4977*   | 4907<br>4587*<br>4037*  |                         |                         |                         |                         |                         |                         |
| + 6.0 m | FRONT    | SDB rear, supported                              |                          |                         |                         | 4763                    | 4660                    | 4599                    | 4629                    |                         |                         |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised |                          |                         |                         | 4763<br>4734*<br>4221*  | 4660<br>4049<br>3608*   | 4599<br>3446*<br>3044*  | 4265*<br>2911*<br>2560* |                         |                         |                         |
| + 4.5 m | FRONT    | SDB rear, supported                              |                          | 6299                    | 5757                    | 5352                    | 5041                    | 4799                    | 4614                    | 4482                    |                         |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised |                          | 6299<br>6299<br>5904*   | 5757<br>5479*<br>4879*  | 5352<br>4633*<br>4139*  | 5041<br>3998*<br>3571*  | 4799<br>3500*<br>3125*  | 4300*<br>3025*<br>2671* | 3780*<br>2584*<br>2271* |                         |                         |
| + 3.0 m | FRONT    | SDB rear, supported                              | 9351                     | 8727                    | 7379                    | 6487                    | 5852                    | 5378                    | 5014                    | 4727                    | 4501                    |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised | 9351<br>7977*<br>7028*   | 8727<br>6381<br>5656*   | 7379<br>5291*<br>4717*  | 6360*<br>4509*<br>4027* | 5468*<br>3917*<br>3500* | 4789*<br>3455<br>3092*  | 4250*<br>3021*<br>2668* | 3780*<br>2586*<br>2273* | 3291*<br>2226*<br>1946* |                         |
| + 1.5 m | FRONT    | SDB rear, supported                              | 10732                    | 9903                    | 8659                    | 7470                    | 6598                    | 5939                    | 5425                    | 5011                    | 4665                    | 4073                    |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised | 10732<br>7838*<br>6896*  | 9136*<br>6270*<br>5551  | 7445*<br>5206*<br>4643* | 6265*<br>4455*<br>3976* | 5407*<br>3890*<br>3465* | 4757<br>3398*<br>2997*  | 4264*<br>2916*<br>2565* | 3693*<br>2503*<br>2191* | 3228*<br>2168*<br>1888* | 2845*<br>1889*<br>1636* |
| + 0 m   | FRONT    | SDB rear, supported                              | 12493                    | 10412                   | 8869                    | 7725                    | 6842                    | 6141                    | 5572                    | 5109                    | 4701                    |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised | 11950*<br>7642*<br>6530* | 9230*<br>6094*<br>5265* | 7508*<br>5043*<br>4387* | 6326<br>4276*<br>3736*  | 5492<br>3685*<br>3227*  | 4742*<br>3195*<br>2799* | 4077*<br>2737*<br>2390* | 3551*<br>2370*<br>2062* | 3131*<br>2076*<br>1798* |                         |
| - 1.5 m | FRONT    | SDB rear, supported                              | 12808                    | 10592                   | 9025                    | 7865                    | 7003                    | 6324                    | 5617                    | 4751                    |                         |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised | 12272*<br>7304*<br>6210* | 9314*<br>5799*<br>4983* | 7479*<br>4795*<br>4148* | 6230*<br>4072*<br>3538* | 5244*<br>3454*<br>3002* | 4482*<br>2957*<br>2567* | 3901*<br>2574*<br>2231* | 3451*<br>2278*<br>1971* |                         |                         |
| - 3.0 m | FRONT    | SDB rear, supported                              | 13053                    | 10640                   | 8826                    | 7332                    | 5944                    | 4460                    |                         |                         |                         |                         |
|         | LATERAL  | SDB front, raised<br>SDB supported<br>SDB raised | 12262*<br>7275*<br>6182* | 9171*<br>5678*<br>4867* | 7283*<br>4624*<br>3983* | 6012*<br>3878*<br>3350* | 5097*<br>3320*<br>2872* | 4421*<br>2901*<br>2512* |                         |                         |                         |                         |

The specified max. loading capacities in kilogrammes (kg) include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567. These values are applicable at the tip of the arm with optimum positioning of the corresponding arm system. Weights of attached load carrying accessories (grab, magnet, load hook, etc.) are not included with the load carrying values.

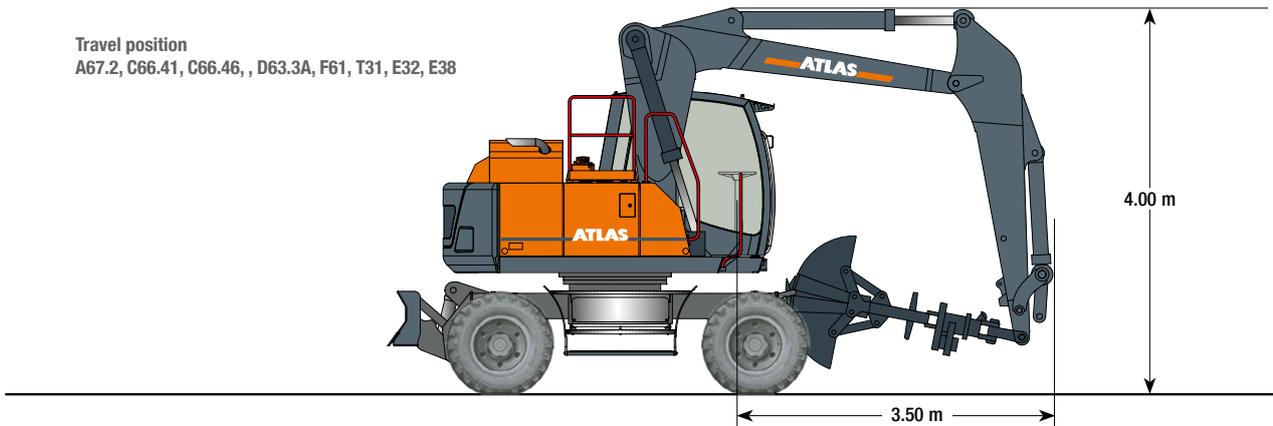
\*Value limited due to excavator stability.

# DIMENSIONS 180Wsr

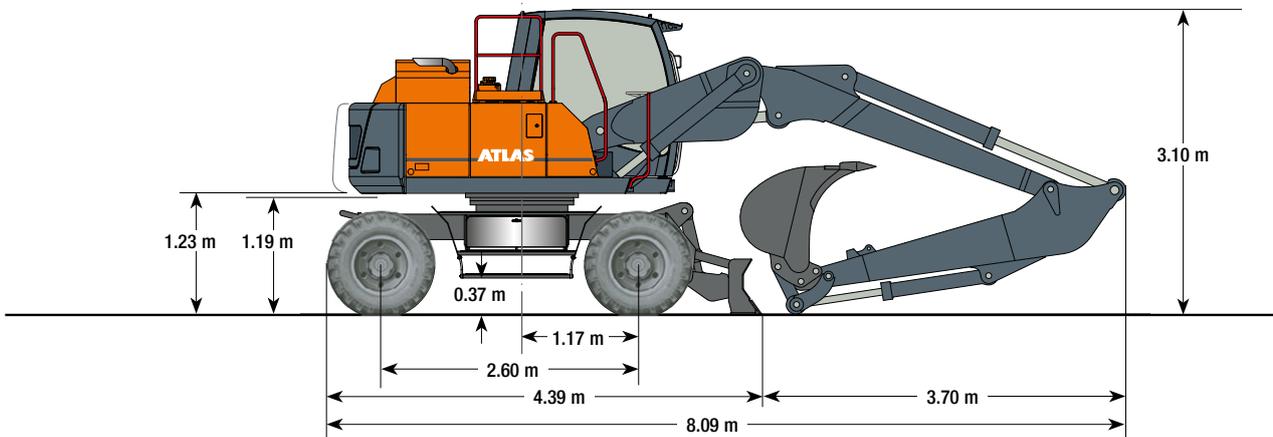
## 180Wsr Transport position



Travel position  
A67.2, C66.41, C66.46, D63.3A, F61, T31, E32, E38



Transport position  
A67.2, C66.41, C66.46, D63.3A, F66.1, F412-415





180Wsr-EN (1) Effective date: 07/2022. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Atlas makes no other warranty, express or implied. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Atlas makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Atlas GmbH and/or its subsidiaries. All rights are reserved. Atlas® is a registered trademark of Atlas GmbH. Copyright © 2022 Atlas GmbH. Ref. no. 6193776

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