

**100**  
ATLAS 1919 - 2019

**ATLAS**  
SINCE 1919

-  18.5 – 20.5 t
-  115 kW
- EU Stage V
-  0.7 - 1.3 m<sup>3</sup>

**STABLE.  
STRONG.  
STEADY.**



**WHEELED EXCAVATOR 175W<sub>SR</sub> blue**

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

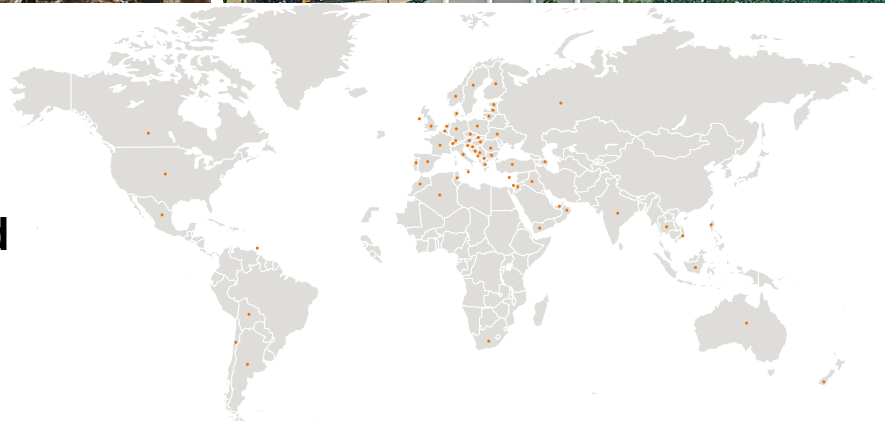
# ATLAS – CONSTRUCTION MACHINERY MANUFACTURER WITH TRADITION

## 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

## 175Wsr<sup>blue</sup>





**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 175Wsr

## ENGINE

Gross power (ISO 14396).....115 kW	Bore / cylinder stroke ..... 101 / 126	<b>STANDARD BASIC EQUIPMENT:</b>
Net power (ISO 9249) .....110 kW	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	Battery..... 2 x 12 V / 100 Ah	• Diesel pre-filter
Cylinder capacity ..... 4038 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:
• Load limit controlled high-performance pump	• Proportional grab and grab rotating function	F1 (Fine)
• Fuel-efficient flow-on-demand control	• 3 circuits for additional consumer loads possible	F2 (Eco)
• Sensitive, proportional, independent control	• Max. oil flow .....260 l/min	F3 (Power)
• Primary and secondary protection against overload	• Max. operating pressure .....350 bar	• Accumulator for emergency lowering of the arm system
• Suction valves for all work functions	• Cylinder end position damping	• Load-limit control

## SWING ASSEMBLY

• Axial piston motor with priority valve	• Automatically controlled multi-disc brake	• Swing torque .....41 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..... 108 kN
• Power-shift transmission	• Max. speed .....20 km/h	• Gradeability ..... 60 %
• 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..... 1 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 600/40 – 22.5 14PR Mitas	• 8-road tyres 10.00-20 16PR Nokia	• 8-road tyres 315/70 R22.5 Marked with a band, Grader type
• 4-road tyres 600/40 – 22.5 18PR Alliance	• 8-road tyres 10.00-20 16PR profile for asphalt use	• 8-road tyres 215/70 R22.5 Caliber Power Grip 23
• 4-road tyres 710/40 – 22.5 24PR Nokia	• 8-road tyres 10.00-20 Super elastic (up to 16 km/h)	



# WORKING EQUIPMENT 175Wsr

## 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> <li>• LED working lights</li> </ul>	<ul style="list-style-type: none"> <li>• 35% axle differential lock</li> <li>• Patented trailer hitch</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> <li>• Premium Driver seat (Actimo Evolution)</li> </ul>	<ul style="list-style-type: none"> <li>• Electric cooling box</li> <li>• Radio with USB</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>• High-speed option ..... 36 km/h</li> </ul>
		<b>Other additional equipment:</b> See price list <b>Special options:</b> upon request

## FILL CAPACITIES

• Fuel tank .....250 litres	• Engine oil..... 10 litres	• Hydraulic system.....210 litres
• Cooling system.....35 litres	• Hydraulic tank ..... 175 litres	• Ad Blue® ..... 32 litres

## OPERATING WEIGHTS

	MONOBLOCK BOOM 4.85 m (C6.4MG)		ADJUSTABLE BOOM Base arm 1.87 m (C6.41) Boom 3.10 m (C6.46) Boom 3.62 m (C6.461)	
	Stick 2.15 m (D6.2)	Stick 2.65 m (D6.3)	Stick 2.15 m (D6.2)	Stick 2.65 m (D6.3)
Support dozer blade	18.5 t - 19.0 t	18.6 t - 19.1 t	18.8 t - 19.3 t	18.9 t - 19.4 t
SDB / outriggers	19.3 t - 19.8 t	19.4 t - 19.9 t	19.6 t - 20.1 t	19.7 t - 20.2 t
4 support outriggers	19.6 t - 20.1 t	19.7 t - 20.2 t	19.9 t - 20.4 t	20.0 t - 20.5 t

Operating weight incl. driver, fuel, lubricants and coolant plus 1.0 ton for attachments

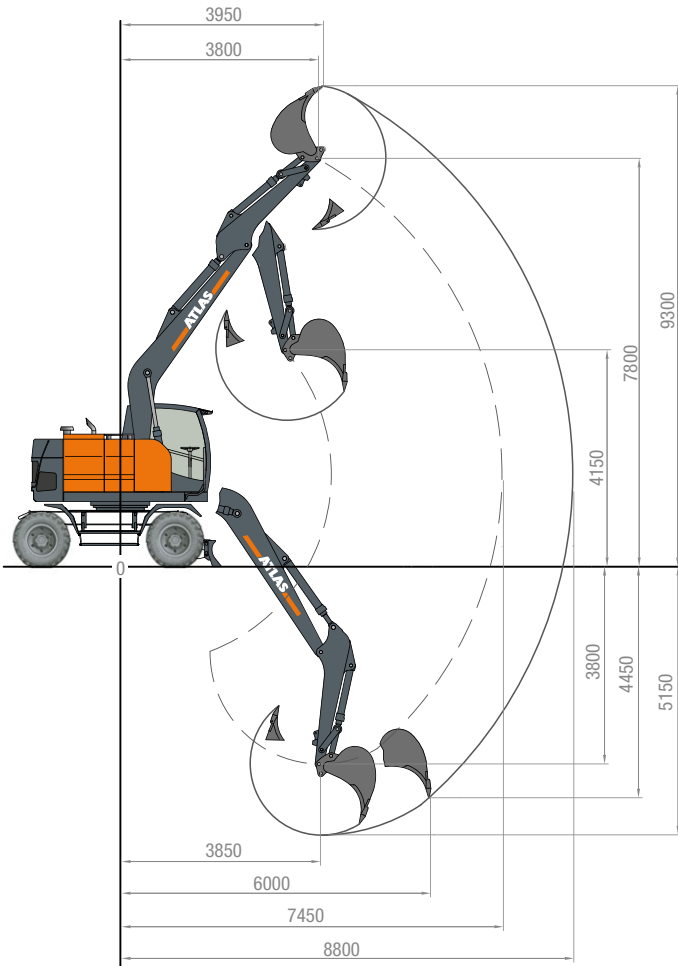
## ATTACHMENTS (SELECTION)

	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

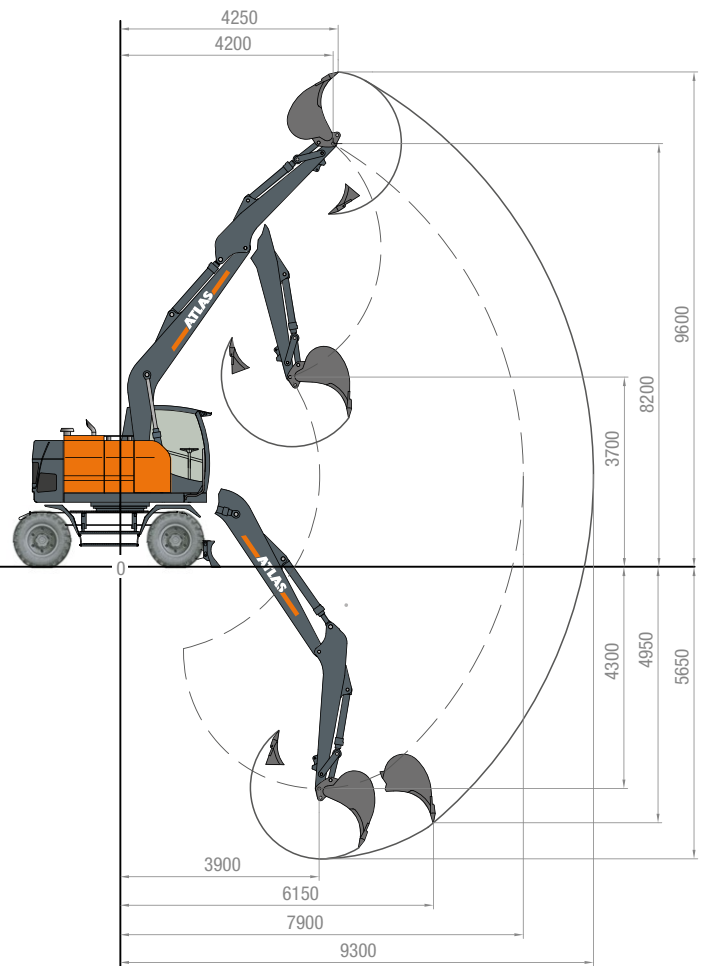
# WORK AREAS 175Wsr

Monoblock boom 4.85 m (C6.4MG)

Stick 2.15 m (D6.2)



Stick 2.65 m (D6.3)




















STICK LENGTHS	2.15 m (D6.2)	2.65 m (D6.3)
A Max. cut-in height	9.30 m	9.60 m
B Max. pouring height	6.30 m	6.80 m
C Max. trench depth	5.15 m	5.65 m
D Max. vertical tapping depth	8.80 m	9.30 m
Max. bucket digging force	144 kN	144 kN
Max. stick digging force	82 kN	82 kN


Unit is equipped with monoblock boom 4.85 m (C6.4MG).

# LIFTING CAPACITIES 175Wsr

## Lifting Capacities: Monoblock boom 4.85 m (C6.4MG) with Stick 2.15 m (D6.2). Max. Reach 8.80 m

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
+ 5.0 m	FRONT 	SDB rear. supported SDB front. raised						5002 5002	4784 4784	4620 4620		
	LATERAL 	SDB supported SDB raised						4246* 3688*	3673* 3193*	3211* 2791*		
+ 4.0 m	FRONT 	SDB rear. supported SDB front. raised				6395 6395	5813 5813	5372 5372	5030 5030	4760 4723*	4546 4176*	
	LATERAL 	SDB supported SDB raised				5740* 4933*	4820* 4161*	4131* 3576*	3594* 3115*	3162* 2742*	2803* 2430*	
+ 3.0 m	FRONT 	SDB rear. supported SDB front. raised			8642 8642	7352 7352	6478 6478	5844 5844	5363 5276*	4985 4637*	4680 4119*	4427 3688*
	LATERAL 	SDB supported SDB raised			6564* 5555*	5435* 4641*	4609* 3958*	3979* 3429*	3484* 3009*	3083* 2665*	2751* 2379*	2467* 2132*
+ 2.0 m	FRONT 	SDB rear. supported SDB front. raised			4581 4581	8121 8121	7048 6935*	6265 5922*	5668 5151*	5198 4544*	4814 4053*	4483 3645*
	LATERAL 	SDB supported SDB raised			4581 4581	5155* 4373*	4405* 3762*	3828* 3283*	3371* 2899*	2998* 2583*	2689* 2319*	2427* 2093*
+ 1.0 m	FRONT 	SDB rear. supported SDB front. raised			4213 4213	8381 8125*	7318 6769*	6491 5791*	5839 5049*	5310 4465*	4866 3994*	4466 3608*
	LATERAL 	SDB supported SDB raised			4213 4213	4982* 4208*	4260* 3622*	3711* 3170*	3278* 2809*	2927* 2513*	2635* 2266*	2392* 2059*
+ 0 m	FRONT 	SDB rear. supported SDB front. raised		3328 3328	6213 6213	8170 8058*	7230 6692*	6448 5720*	5799 4989*	5250 4420*	4762 3964*	4267 3595*
	LATERAL 	SDB supported SDB raised		3328 3328	5972* 4994*	4925* 4153*	4193* 3557*	3648* 3109*	3224* 2757*	2885* 2473*	2608* 2239*	2380* 2047*
- 1.0 m	FRONT 	SDB rear. supported SDB front. raised		6606 6606	8442 8442	7584 7584	6796 6686*	6100 5708*	5487 4979*	4928 4415*	4366 3970*	
	LATERAL 	SDB supported SDB raised		6606 6343*	6004* 5024*	4933* 4161*	4188* 3552*	3638* 3099*	3215* 2748*	2881* 2469*	2613* 2245*	
- 2.0 m	FRONT 	SDB rear. supported SDB front. raised	8437 8437	7921 7921	7278 7278	6613 6613	5972 5972	5364 5364	4772 4772	4125 4125		
	LATERAL 	SDB supported SDB raised	8437 8437	7765* 6431*	6076* 5093*	4987* 4212*	4228* 3591*	3671* 3131*	3248* 2780*	2922* 2509*		
- 3.0 m	FRONT 	SDB rear. supported SDB front. raised	6209 6209	5955 5955	5557 5557	5084 5084	4557 4557	3948 3948				
	LATERAL 	SDB supported SDB raised	6209 6209	5955 5955	5557 5211*	5084 4313*	4557 3682*	3948 3222*				

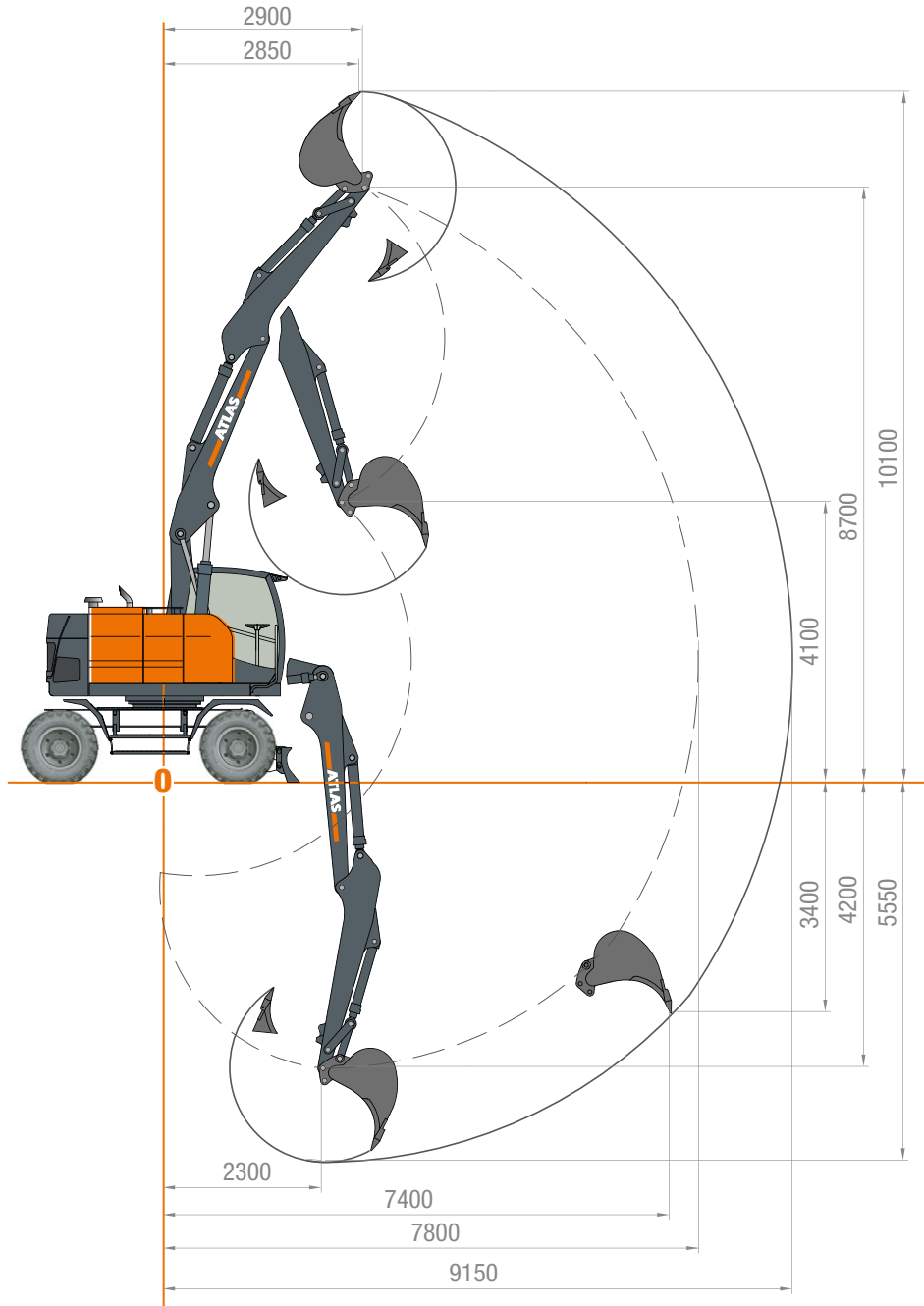
## Lifting Capacities: Monoblock boom 4.85 m (C6.4MG) and Stick 2.65 m (D6.3). Max. Reach 9.30 m.

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
+ 5.0 m	FRONT 	SDB rear. supported SDB front. raised							4429 4429	4289 4289	4181 4181		
	LATERAL 	SDB supported SDB raised							3730* 3247*	3261* 2837*	2873* 2497*		
+ 4.0 m	FRONT 	SDB rear. supported SDB front. raised						4996 4996	4711 4711	4479 4479	4290 4213*	4137 3755*	
	LATERAL 	SDB supported SDB raised						4193* 3634*	3639* 3159*	3197* 2775*	2833* 2458*	2525* 2188*	
+ 3.0 m	FRONT 	SDB rear. supported SDB front. raised		9478 9478	7851 7851	6797 6797	6056 6056	5507 5507	5084 5084	4748 4667*	4475 4141*	4247 3707*	3720 3339*
	LATERAL 	SDB supported SDB raised		8541* 7154*	6756* 5734*	5550* 4749*	4683* 4027*	4029* 3476*	3517* 3040*	3106* 2687*	2767* 2393*	2481* 2145*	2234* 1928*
+ 2.0 m	FRONT 	SDB rear. supported SDB front. raised			9128 9128	7711 7711	6726 6726	6003 5961*	5452 5176*	5017 4558*	4664 4060*	4366 3649*	4102 3301*
	LATERAL 	SDB supported SDB raised			6293* 5296*	5231* 4444*	4452* 3805*	3857* 3310*	3388* 2914*	3007* 2590*	2692* 2321*	2427* 2092*	2198* 1893*
+ 1.0 m	FRONT 	SDB rear. supported SDB front. raised		2704 2704	6144 6144	8227 8154*	7155 6787*	6343 5800*	5712 5051*	5207 4462*	4790 3986*	4432 3594*	4099 3265*
	LATERAL 	SDB supported SDB raised		2704 2704	6007* 5025*	5000* 4222*	4270* 3630*	3714* 3171*	3275* 2805*	2919* 2505*	2624* 2254*	2376* 2042*	2164* 1860*
+ 0 m	FRONT 	SDB rear. supported SDB front. raised		4142 4142	6810 6810	8259 8015*	7242 6660*	6435 5693*	5783 4963*	5245 4392*	4788 3934*	4378 3559*	
	LATERAL 	SDB supported SDB raised		4142 4142	5903* 4926*	4881* 4109*	4159* 3523*	3619* 3079*	3196* 2728*	2856* 2443*	2576* 2207*	2344* 2010*	
- 1.0 m	FRONT 	SDB rear. supported SDB front. raised		6295 6295	8909 8909	7890 7890	6994 6623*	6247 5654*	5618 4930*	5074 4367*	4584 3919*	4095 3556*	
	LATERAL 	SDB supported SDB raised		6295 6190*	5899* 4921*	4856* 4085*	4126* 3491*	3585* 3046*	3166* 2699*	2833* 2421*	2562* 2193*	2341* 2007*	
- 2.0 m	FRONT 	SDB rear. supported SDB front. raised		8977 8977	7994 7994	7132 7132	6381 6381	5721 5668*	5132 4942*	4580 4383*	4006 3945*		
	LATERAL 	SDB supported SDB raised		7592* 6266*	5950* 4970*	4887* 4115*	4144* 3509*	3597* 3058*	3177* 2710*	2848* 2435*	2586* 2217*		
- 3.0 m	FRONT 	SDB rear. supported SDB front. raised		7965 7965	7232 6544	6544 5902	5298 5298	4717 4717	4122 4122				
	LATERAL 	SDB supported SDB raised		7965 7965	7232 6394*	6054* 5069*	4969* 4193*	4213* 3575*	3659* 3118*	3240* 2771*			

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.

# WORK AREAS 175Wsr

Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.65 m (D6.3)










STICK LENGTHS	2.65 m (D6.3)
A Max. cut-in height	10.10 m
B Max. pouring height	7.30 m
C Max. trench depth	5.55 m
D Max. vertical tapping depth	9.15 m
Max. bucket digging force	144 kN
Max. stick digging force	72 kN

Unit is equipped with standard adjustable boom: base arm 1.87 m (C6.41) and boom 3.10 m (C6.46).

# LIFTING CAPACITIES 175Wsr

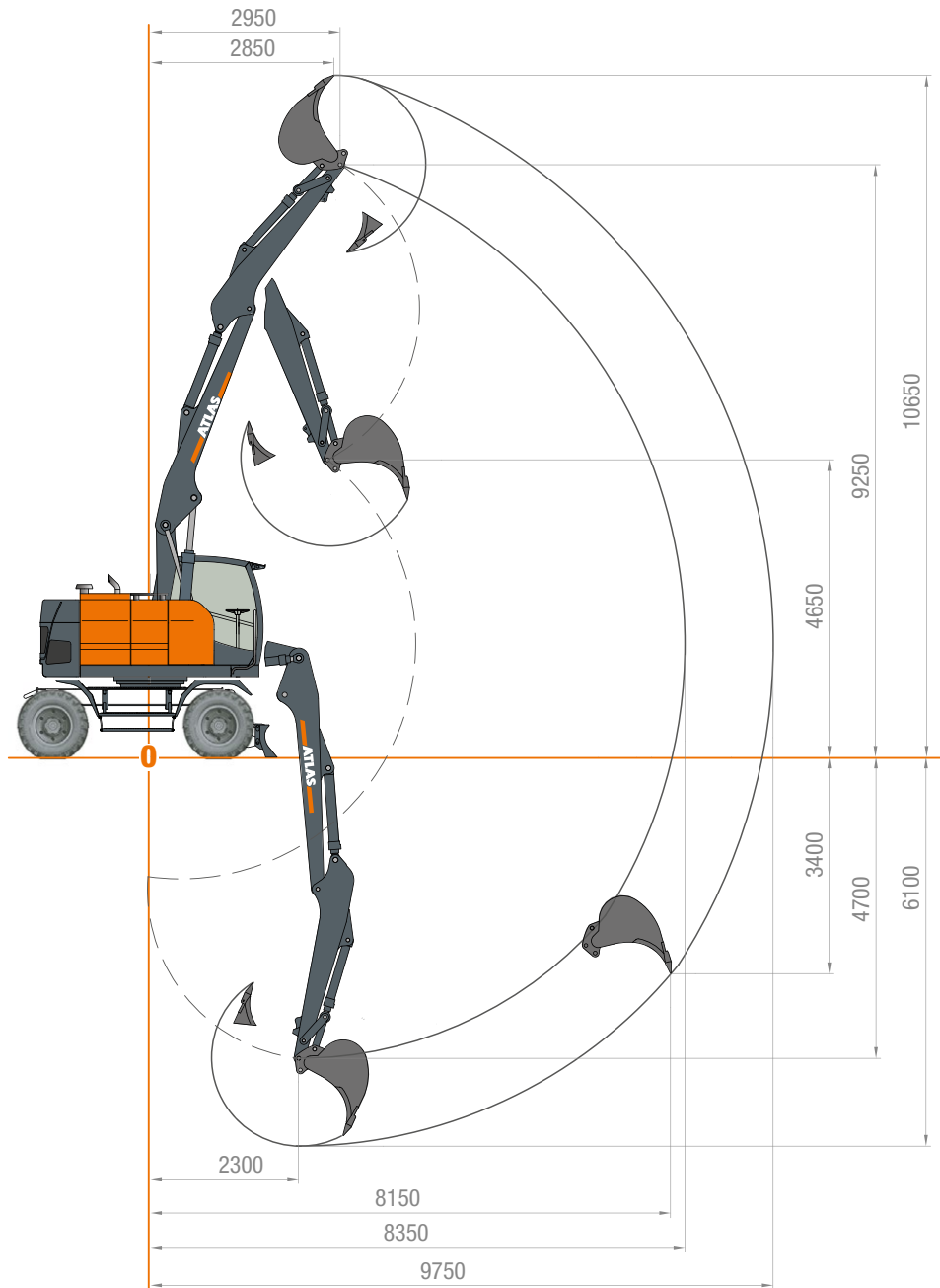
**Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.65 m (D6.3). Max. Reach 9.15 m**

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
+ 6.0 m	FRONT 	SDB rear, supported					4674	4648	4519	4173			
		SDB front, raised					4674	4648	4519	4173			
	LATERAL 	SDB supported					4674	4397*	3818*	3288*			
		SDB raised					4513	3875*	3348*	2863*			
+ 5.0 m	FRONT 	SDB rear, supported				4683	4849	4816	4609	4438	4302		
		SDB front, raised				4683	4849	4816	4609	4438	4251*		
	LATERAL 	SDB supported				4683	4849	4358*	3808*	3352*	2902*		
		SDB raised				4683	4464*	3847*	3363*	2929*	2524*		
+ 4.0 m	FRONT 	SDB rear, supported	5186	5521	5723	5798	5570	5179	4864	4606	4392	4214	
		SDB front, raised	5186	5521	5723	5798	5570	5179	4864	4606	4228	3767*	
	LATERAL 	SDB supported	5186	5521	5723	5798	4977*	4300*	3769*	3346*	2925*	2547*	
		SDB raised	5186	5521	5723	5158*	4380*	3792*	3333	2950*	2546*	2207*	
+ 3.0 m	FRONT 	SDB rear, supported	9972	9689	8057	6982	6218	5646	5202	4845	4551	4302	3722
		SDB front, raised	9972	9689	8057	6982	6218	5646	5202	4688	4199*	3761*	3334*
	LATERAL 	SDB supported	9972	8730*	6950	5744*	4883*	4229*	3726*	3326*	2909*	2539*	2228*
		SDB raised	9941*	7551*	6052*	5035*	4299*	3738*	3298*	2931*	2530*	2200*	1921*
+ 2.0 m	FRONT 	SDB rear, supported	9725	9633	9219	7812	6822	6090	5526	5077	4708	4392	4101
		SDB front, raised	9725	9633	9219	7812	6822	5980	5234*	4646*	4178*	3726*	3312*
	LATERAL 	SDB supported	9725	8536*	6802*	5640*	4807	4182*	3700*	3301*	2861*	2501*	2205*
		SDB raised	9687*	7357*	5930*	4944*	4233*	3698*	3279*	2875*	2484*	2163*	1899*
+ 1.0 m	FRONT 	SDB rear, supported	10541	10062	9371	8243	7182	6371	5736	5222	4793	4420	4077
		SDB front, raised	10541	10062	9371	8176*	6885*	5931*	5203*	4636	4159*	3674*	3273*
	LATERAL 	SDB supported	10541	8481*	6755*	5606*	4783*	4174*	3686*	3205*	2785*	2445*	2167*
		SDB raised	9644*	7311*	5874*	4914	4214*	3670*	3201*	2781*	2409*	2108*	1861*
+ 0 m	FRONT 	SDB rear, supported	12236	11031	9668	8276	7231	6419	5769	5238	4800	4437	3736
		SDB front, raised	12236	11031	9668	8174*	6887*	5940*	5231*	4647*	4070*	3607*	3241*
	LATERAL 	SDB supported	11460*	8536*	6786*	5593*	4735*	4085*	3571*	3084*	2696*	2383*	2137*
		SDB raised	9484*	7181*	5760*	4787*	4075*	3528*	3090*	2664*	2322*	2047*	1832*
- 1.0 m	FRONT 	SDB rear, supported	14073	11737	9746	8329	7272	6455	5808	5298	4822	4105	
		SDB front, raised	14073	11737	9746	8246	6963*	6044*	5210*	4525*	3985*	3564*	
	LATERAL 	SDB supported	11251*	8297*	6562*	5413*	4591*	3971*	3412*	2970*	2617*	2343*	
		SDB raised	9174*	6921*	5547*	4615*	3936*	3417*	2936*	2553*	2246*	2008*	
- 2.0 m	FRONT 	SDB rear, supported	14951	11918	9900	8467	7410	6613	5860	5053	3991		
		SDB front, raised	14951	11918	9900	8423*	7027*	5908*	5077*	4444*	3953*		
	LATERAL 	SDB supported	11105*	8163*	6444*	5314*	4470*	3803*	3292*	2897*	2588*		
		SDB raised	9041*	6796*	5436*	4521*	3820*	3255*	2819*	2481*	2217*		

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.

# WORK AREAS 175Wsr

Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.62 m (C6.461) with Stick 2.65 m (D6.3)





















STICK LENGTHS		2.65 m (D6.3)
A	Max. cut-in height	10.65 m
B	Max. pouring height	7.85 m
C	Max. trench depth	6.10 m
D	Max. vertical tapping depth	9.75 m
	Max. bucket digging force	144 kN
	Max. stick digging force	72 kN

Unit is equipped with standard adjustable boom: base arm 1.87 m (C6.41) and boom 3.62 m (C6.461).

# LIFTING CAPACITIES 175Wsr

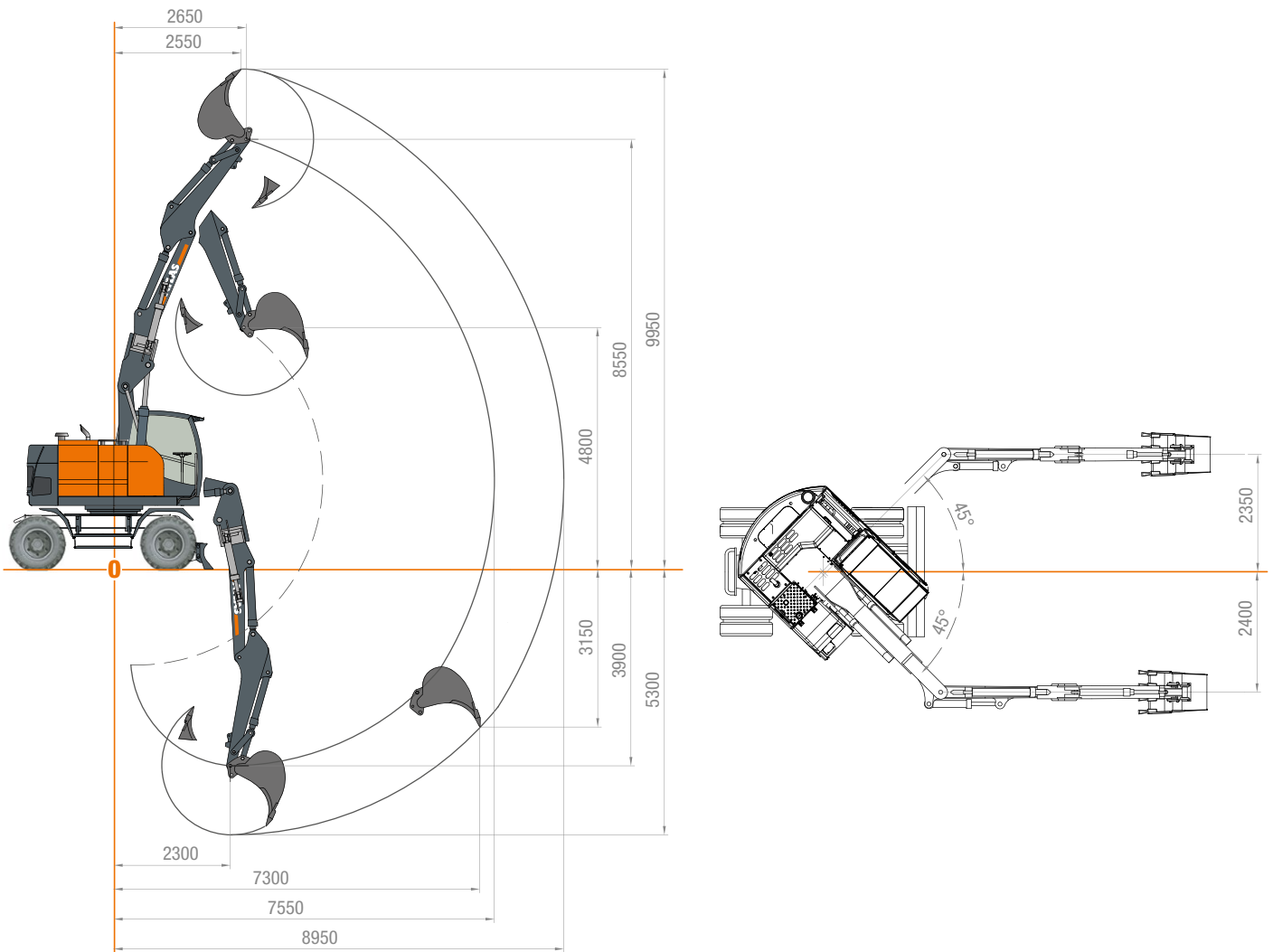
## Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.62 m (C6.461) with Stick 2.65 m (D6.3). Max. Reach 9.75 m

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	8.0 m
+5.0 m	FRONT 	SDB rear, supported			4513	4880	4982	4725	4455	4233	4047	3894	3417	
		SDB front, raised			4513	4880	4982	4725	4455	4233	4047	3757*	3329*	
	LATERAL 	SDB supported			4513	4880	4982	4285*	3744*	3310*	2945*	2555*	2215*	
		SDB raised			4513	4880	4385*	3783*	3306*	2920*	2567*	2213*	1905*	
+4.0 m	FRONT 	SDB rear, supported		8326	7078	6222	5597	5120	4744	4439	4188	3977	3798	
		SDB front, raised		8326	7078	6222	5597	5120	4744	4439	4141*	3731*	3358*	
	LATERAL 	SDB supported		8326	6959	5735*	4856*	4194*	3681*	3267*	2930*	2574*	2241*	
		SDB raised		7590*	6065*	5027*	4275*	3701*	3252*	2888*	2584*	2231*	1930*	
+3.0 m	FRONT 	SDB rear, supported		8180	8105	7099	6219	5572	5077	4683	4363	4095	3865	3657
		SDB front, raised		8180	8105	7099	6219	5572	5077	4567*	4092*	3700*	3350*	2972*
	LATERAL 	SDB supported		8180	6698*	5558*	4730*	4108*	3617*	3228*	2907*	2558*	2232*	1955*
		SDB raised		7240*	5832*	4863*	4159*	3623*	3195*	2855*	2568*	2215*	1922*	1672*
+2.0 m	FRONT 	SDB rear, supported	7602	7968	7984	7763	6725	5956	5366	4899	4518	4199	3922	3665
		SDB front, raised	7602	7968	7984	7763	6716*	5785*	5072*	4510	4056*	3683*	3316*	2947*
	LATERAL 	SDB supported	7602	7968	6553*	5445*	4647*	4045*	3576	3202*	2897*	2513*	2196*	1931*
		SDB raised	7602	7069*	5691*	4766*	4081*	3565*	3160*	2838*	2516*	2171*	1887*	1649*
+1.0 m	FRONT 	SDB rear, supported	8628	8620	8343	7836	6942	6152	5526	5018	4599	4241	3928	3660
		SDB front, raised	8628	8620	8343	7836	6651*	5734*	5036*	4488*	4048*	3685*	3258*	2906*
	LATERAL 	SDB supported	8628	8164*	6510*	5399*	4613*	4022*	3566*	3195*	2809*	2444*	2142*	1893*
		SDB raised	8628	7029*	5653*	4727*	4055*	3548*	3135*	2768*	2429*	2103*	1834*	1611*
+0 m	FRONT 	SDB rear, supported	9557	9871	9022	7954	6943	6159	5534	5023	4598	4242	3955	3493
		SDB front, raised	9557	9871	9022	7889	6658*	5742*	5048*	4509*	4085*	3595*	3192*	2874*
	LATERAL 	SDB supported	9557	8231*	6542*	5422*	4605*	3985*	3495*	3095*	2697*	2360*	2081*	1863*
		SDB raised	9024*	6863*	5531*	4616*	3944*	3426*	3012*	2670*	2319*	2021*	1774*	1582*
-1.0 m	FRONT 	SDB rear, supported	11820	11066	9400	8019	6990	6197	5567	5057	4644	4297	3758	
		SDB front, raised	11820	11066	9400	7962	6726	5813*	5131	4532*	3964*	3504*	3144*	
	LATERAL 	SDB supported	10844	8007*	6344*	5244*	4458*	3864*	3397*	2963*	2585*	2276*	2036*	
		SDB raised	8788*	6639*	5332*	4446*	3802*	3309*	2917*	2542*	2210*	1939*	1729*	
-2.0 m	FRONT 	SDB rear, supported	14317	11519	9546	8144	7102	6304	5687	5182	4598	3815		
		SDB front, raised	14317	11519	9546	8109	6889*	5921*	5058*	4393*	3871*	3461*		
	LATERAL 	SDB supported	10745	7897*	6237*	5147*	4374*	3797*	3259*	2836*	2500*	2236*		
		SDB raised	8698*	6537*	5231*	4354*	3722*	3244*	2782*	2418*	2127*	1900*		
-3.0 m	FRONT 	SDB rear, supported	14849	11844	9850	8451	7326	6366	5464	4504	3233			
		SDB front, raised	14849	11844	9850	8357*	6830*	5750*	4948*	4334*	3233			
	LATERAL 	SDB supported	10783	7905*	6234*	5138*	4278*	3644*	3160*	2782*	2488*			
		SDB raised	8732*	6544*	5227*	4345*	3629*	3096*	2686*	2365*	2115*			

Die angegebenen max. Ladekapazitäten in Kilogramm (kg) beinhalten eine Standsicherheit von 25% oder sind berechnet bei 87% der hydraulischen Hebekraft, gemäß ISO10567. Diese Werte sind gültig an der Armspitze (ohne Löffelkippzylinder, Umlenkgestänge) bei optimaler Stellung des entsprechenden Armsystems und mit Druckzuschaltung. Gewichte angebaute Lastaufnahmemittel (Greifer, Magnet, Lasthaken etc.) sind von den Traglastwerten abzuziehen. \*Begrenzt durch Standsicherheit Wert.

# WORK AREAS 175Wsr

Adjustable Boom 1.87 m (C6.41), Base arm 3.35 m (C6.47) with Stick 2.65 m (D6.3)





















STICK LENGTHS	2.65 m (D6.3)
A Max. cut-in height	9.95 m
B Max. pouring height	7.15 m
C Max. trench depth	5.30 m
D Max. vertical tapping depth	8.95 m
Max. bucket digging force	144 kN
Max. stick digging force	72 kN

Unit is equipped with standard adjustable boom: base arm 1.87 m (C6.41) and boom 3.35 m (C6.47).



# LIFTING CAPACITIES 175Wsr

## Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and boom 3.35 m (C6.47) with Stick 2.65 m (D6.3). Max. reach 8.95 m

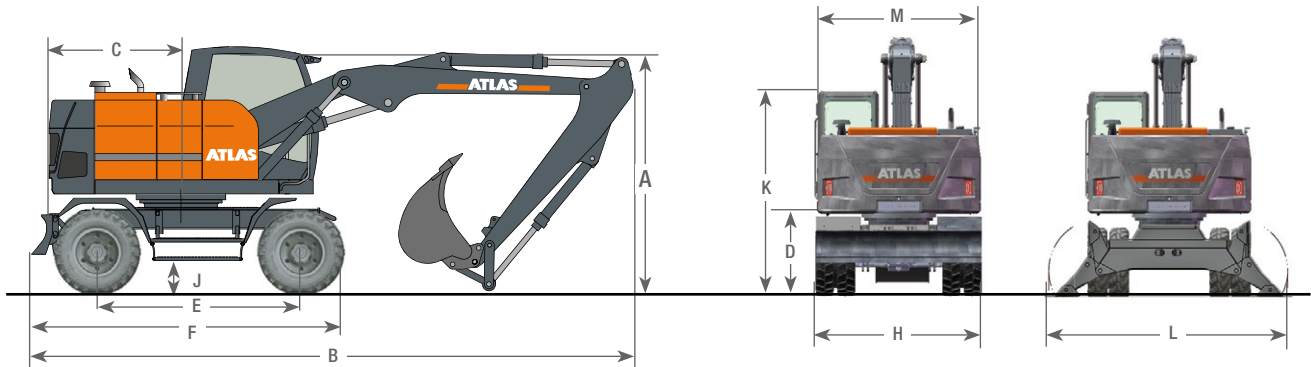
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 5.0 m	FRONT 	SDB rear, supported				4701	4861	4685	4453	4260	4102	3856	
		SDB front, raised				4701	4861	4685	4453	4260	4102	3723*	
	LATERAL 	SDB supported				4701	4861	4320*	3765*	3319	2891*	2490*	
		SDB raised				4701	4427*	3805*	3323*	2926*	2507*	2147*	
+ 4.0 m	FRONT 	SDB rear, supported	6712	6484	6298	6013	5471	5050	4714	4440	4212	4022	3549
		SDB front, raised	6712	6484	6298	6013	5471	5050	4714	4440	4156*	3740*	3300*
	LATERAL 	SDB supported	6712	6484	6298	5810*	4912*	4235*	3709*	3291*	2913*	2518*	2182*
		SDB raised	6712	6484	6161*	5096*	4320	3737*	3278*	2909*	2529*	2175*	1871*
+ 3.0 m	FRONT 	SDB rear, supported	8667	8705	8014	6884	6088	5497	5039	4674	4374	4122	3902
		SDB front, raised	8667	8705	8014	6884	6088	5497	5039	4595*	4112*	3719*	3300*
	LATERAL 	SDB supported	8667	8516*	6795*	5628	4786*	4149*	3655*	3257*	2895*	2506*	2179*
		SDB raised	8667	7363*	5936*	4934*	4217*	3665*	3231*	2886*	2512*	2163*	1869*
+ 2.0 m	FRONT 	SDB rear, supported	8795	8772	8583	7628	6637	5904	5341	4894	4527	4217	3941
		SDB front, raised	8795	8772	8583	7628	6637	5833	5109*	4543*	4085*	3700*	3269*
	LATERAL 	SDB supported	8795	8307*	6627*	5507*	4701*	4091*	3615*	3243	2840*	2462*	2148*
		SDB raised	8795	7174*	5784	4833*	4137*	3611*	3203*	2869*	2458*	2120*	1838*
+ 1.0 m	FRONT 	SDB rear, supported	9650	9326	8812	7958	6935	6147	5527	5026	4610	4252	3944
		SDB front, raised	9650	9326	8812	7917	6697*	5781	5075*	4524*	4088	3637*	3215*
	LATERAL 	SDB supported	9650	8249*	6580	5467*	4672*	4077*	3621*	3195*	2750*	2394*	2098*
		SDB raised	9379*	7118	5732	4788*	4114*	3601*	3153*	2765*	2370*	2053*	1790*
+ 0 m	FRONT 	SDB rear, supported	11409	10420	9268	7970	6960	6177	5551	5039	4615	4270	3884
		SDB front, raised	11409	10420	9268	7924	6700*	5787*	5096*	4565*	4031*	3550*	3163*
	LATERAL 	SDB supported	11166	8317*	6622*	5493*	4654*	4016*	3511*	3052*	2643*	2314*	2049*
		SDB raised	9218*	6999*	5626*	4682*	3989*	3454*	3025*	2626*	2265*	1975*	1742*
- 1.0 m	FRONT 	SDB rear, supported	13316	11314	9413	8036	7010	6219	5592	5089	4693	4174	
		SDB front, raised	13316	11314	9413	8000*	6775*	5876*	5182*	4473*	3917*	3478*	
	LATERAL 	SDB supported	10972*	8100*	6412*	5294*	4492*	3886*	3366*	2904*	2537*	2247*	
		SDB raised	8900*	6723*	5394*	4491*	3833*	3328*	2884*	2482*	2162*	1910*	
- 2.0 m	FRONT 	SDB rear, supported	14518	11553	9582	8184	7149	6382	5741	5071	4259		
		SDB front, raised	14518	11553	9582	8169	6982*	5856*	5005*	4357*	3853*		
	LATERAL 	SDB supported	10826*	7959*	6285*	5184*	4403*	3732*	3206*	2798*	2478*		
		SDB raised	8767*	6591*	5273*	4386*	3747*	3179*	2729*	2379*	2105*		
- 3.0 m	FRONT 	SDB rear, supported	14923	11943	9922	8369	7125	6021	4926	3612			
		SDB front, raised	14923	11943	9922	8278*	6782*	5718*	4926	3612			
	LATERAL 	SDB supported	10862*	7968*	6251*	5062*	4228*	3609*	3139*	2777*			
		SDB raised	8799*	6599*	5241*	4270*	3579*	3060*	2664*	2358*			

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.

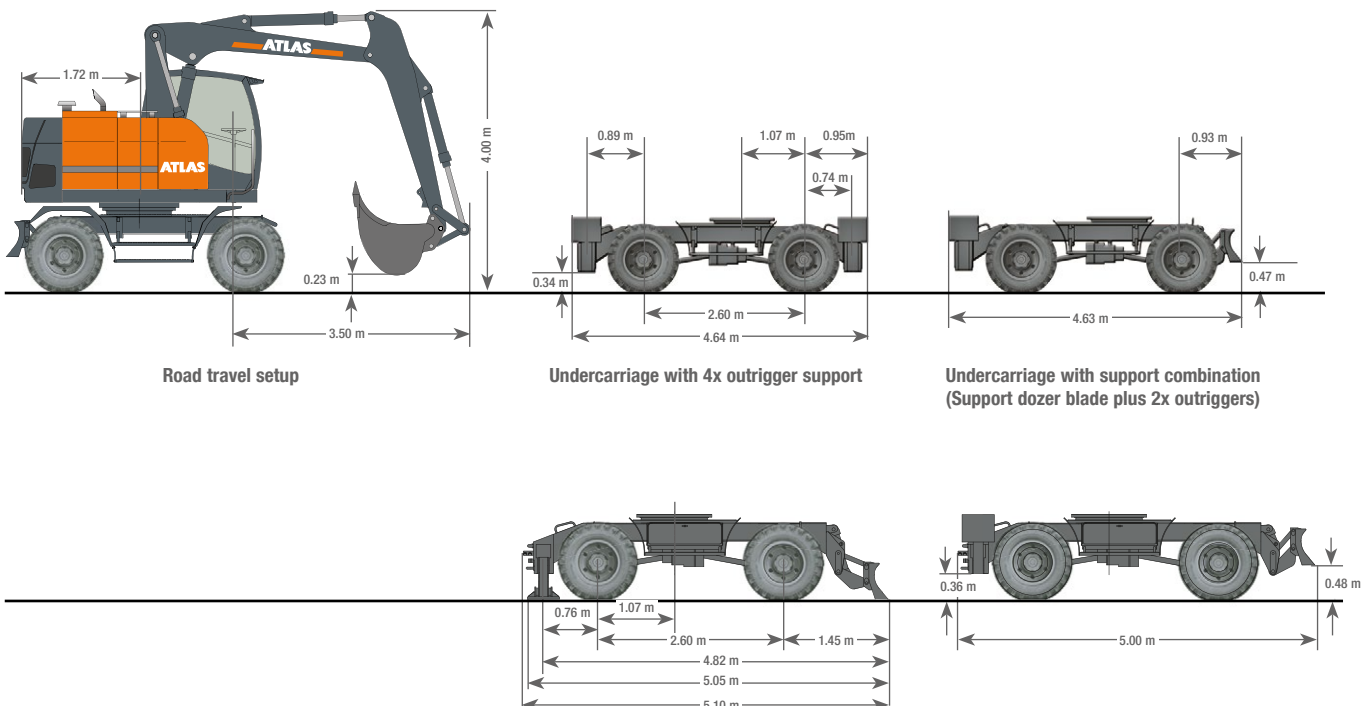
# DIMENSIONS 175Wsr

## 175Wsr Transport position



<b>A</b>	<b>TRANSPORT HEIGHT (with bucket)</b>		<b>C</b>	<b>TAIL SWING RADIUS</b> .....1.72 m
	Adjustable boom* with Stick 2.15 m.....	3.14 m	<b>D</b>	<b>CLEARANCE UNDER COUNTERWEIGHT</b> .....1.26 m
	Adjustable boom* with Stick 2.65 m.....	3.14 m	<b>E</b>	<b>WHEEL BASE</b> .....2.60 m
	Monoblock boom 4.85 m with Stick 2.15 m .....	3.14 m	<b>F</b>	<b>UNDERCARRIAGE LENGTH</b> .....4.00 m
	Monoblock boom 4.85 m with Stick 2.65 m .....	3.14 m	<b>H</b>	<b>DOZER BLADE WIDTH</b> .....2.54 m
<b>B</b>	<b>TRANSPORT LENGTH</b>		Optional.....	2.74 m
	Adjustable boom* with Stick 2.15 m.....	7.70 m	<b>J</b>	<b>GROUND CLEARANCE</b> .....0.45 m
	Adjustable boom* with Stick 2.65 m.....	8.20 m	<b>K</b>	<b>OVERALL HEIGHT OF CAB</b> .....3.15 m
	Monoblock boom 4.85 m with Stick 2.15 m .....	7.60 m	<b>L</b>	<b>OUTRIGGERS WIDTH (extended)</b> .....3.50 m
	Monoblock boom 4.85 m with Stick 2.65 m .....	7,60 m	<b>M</b>	<b>OVERALL WIDTH OF SUPERSTRUCTURE</b> .....2.50 m

\* Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.10 m (C6.46)





175Wsr-EN (1) Effective date: 12/2023. 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 © 2023 Atlas GmbH. Ref. no.: 6203403

### GANDERKESEE FACTORY

Atlas GmbH  
Atlasstraße 6  
D-27777 Ganderkesee,  
Germany

Tel.: +49 (0) 4222 954 0  
Fax: +49 (0) 4222 954 220  
E-mail: [info@atlasgmbh.com](mailto:info@atlasgmbh.com)  
[www.atlasgmbh.com](http://www.atlasgmbh.com)



### VECHTA FACTORY

Atlas GmbH  
Theodor-Heuss-Str. 3  
D-49377 Vechta  
Germany

T: +49 (0) 4441 954 0  
F: +49 (0) 4441 954 299  
E-mail: [info@atlasgmbh.com](mailto:info@atlasgmbh.com)  
[www.atlasgmbh.com](http://www.atlasgmbh.com)



### DELMENHORST FACTORY

Atlas GmbH  
Stedinger Straße 324  
D-27751 Delmenhorst  
Germany

T: +49 (0) 4221 49 10  
F: +49 (0) 4221 49 14 43  
E-mail: [info@atlasgmbh.com](mailto:info@atlasgmbh.com)  
[www.atlasgmbh.com](http://www.atlasgmbh.com)

### ATLAS CRANES UK LTD NATIONAL SALES & SERVICE FACILITY

Wharfedale Road,  
Euroway Trading Est.  
Bradford, England BD4 6SL  
United Kingdom

T: +44 8444 99 66 88  
F: +44 1274 65 37 85  
E-mail: [atlasuk@atlasgmbh.com](mailto:atlasuk@atlasgmbh.com)  
[www.atlas-cranes.co.uk](http://www.atlas-cranes.co.uk)  
[www.atlasgmbh.com](http://www.atlasgmbh.com)



**SINCE 1919**  
**ATLAS**

