

100
ATLAS 1919 - 2019

ATLAS
SINCE 1919

**STABLE.
STRONG.
STEADY.**

-  17.0 - 19.6 t
-  105 kW
- EU Stage V
-  0.7 - 1.1 m³



WHEELED EXCAVATOR 165W_{SR} blue

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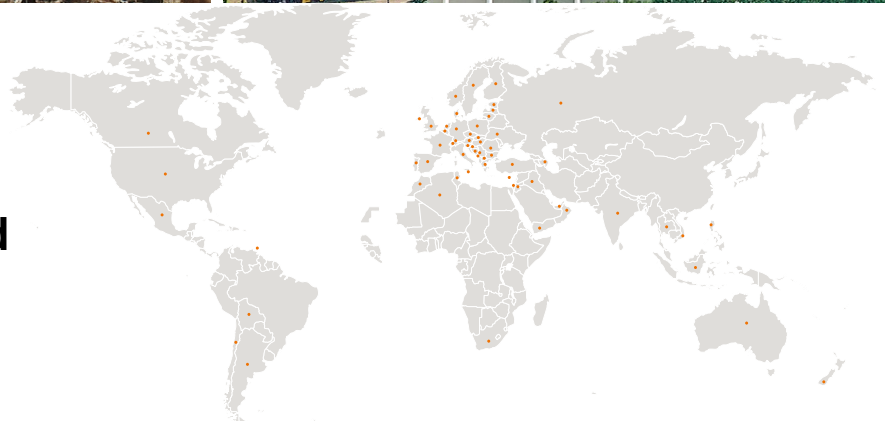
ATLAS – CONSTRUCTION MACHINERY MANUFACTURER WITH TRADITION

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.

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

165Wsr *blue*





**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, extre-
mely 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 165Wsr

ENGINE

Gross power (ISO 14396).....105 kW	Bore / cylinder stroke 101 / 126	STANDARD BASIC EQUIPMENT:
Net power (ISO 9249) 100 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 ³	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 240 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..... 87 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 165Wsr

DRIVER'S CAB

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

ADDITIONAL EQUIPMENT

<ul style="list-style-type: none"> • Refueling pump • Beacon light • Gear protection • Cabin Sliding door • Cab protection guard • Wheel cover • Cab elevation • Joystick steering • 270° camera system • LED working lights 	<ul style="list-style-type: none"> • 35% axle differential lock • Patented trailer hitch • Alarm-signal while driving • Auxiliary heating with water circuit • Automatic working brake • Switch hydraulic attachment kit, supports separately at front and rear • Hydraulic add-on kit, switch supports axially separately • Proportional control of supports by slide in joystick • Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment • Premium Driver seat (Actimo Evolution) 	<ul style="list-style-type: none"> • Electric cooling box • Radio with USB • GPS/GSM telemetric system for monitoring of operating data, consumption, position • Biodegradable oil • Wide axles (overall width 2750 mm) • Wide dozer blade (2750 mm) • High-speed option 36 km/h • Additional counterweight 500 kg
		Other additional equipment: See price list
		Special options: upon request

FILL CAPACITIES

• Fuel tank250 litres	• Engine oil.....10 litres	• Hydraulic system.....210 litres
• Cooling system.....35 litres	• Hydraulic tank175 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)	
	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	17.0 - 18.0 t	17.1 - 18.1 t	17.4 - 18.4 t	17.5 - 18.5 t
SDB / outriggers	17.8 - 18.8 t	17.9 - 18.9 t	18.2 - 19.2 t	18.3 - 19.3 t
4 support outriggers	18.1 - 19.1 t	18.2 - 19.2 t	18.5 - 19.5 t	18.6 - 19.6 t

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

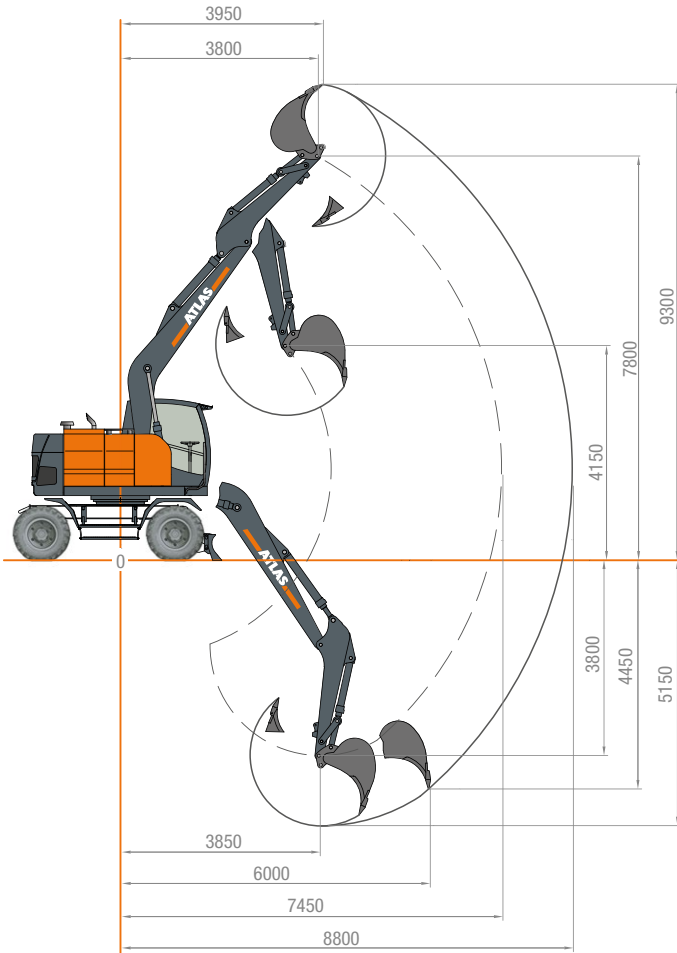
ATTACHMENTS (SELECTION)

	Bucket F415	Bucket F418	Trench digger G644
Capacity SAE	0.67 m ³	0.92 m ³	0.56 m ³
Cutting width	850 mm	1100 mm	2000 mm

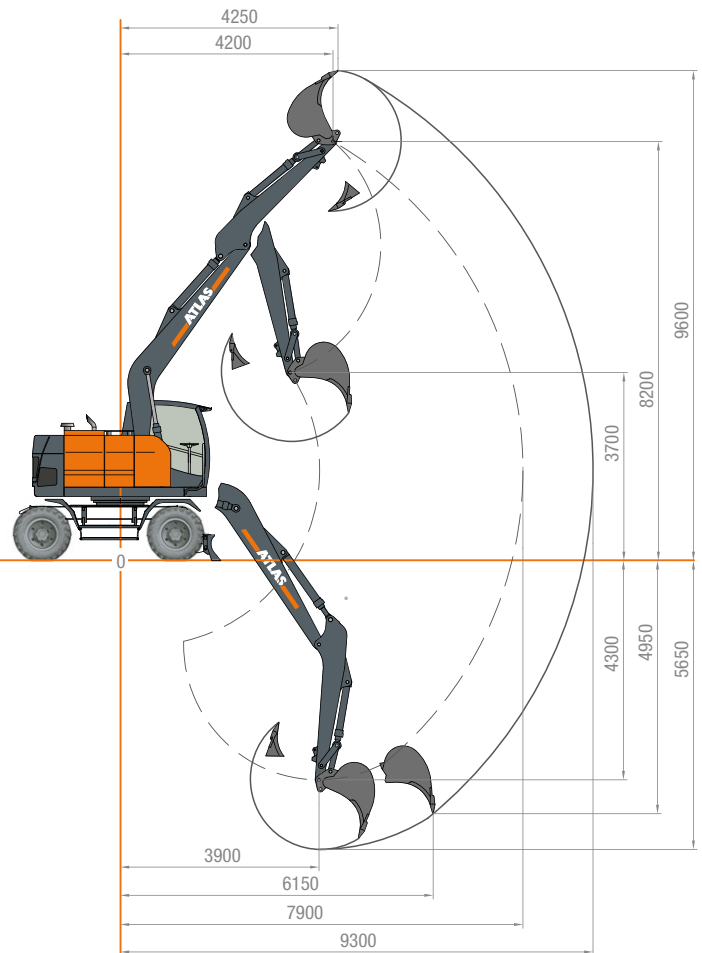
WORK AREAS 165Wsr

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 165Wsr

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

with optional 4.5t weight

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					4237	4002	3816	3673		
	LATERAL 	SDB front. raised					4237	4002	3816	3673		
+ 4.0 m	FRONT 	SDB supported					4237	*3847	*3314	*2883		
	LATERAL 	SDB raised					*3893	*3308	*2850	*2476		
+ 3.0 m	FRONT 	SDB rear. supported	8326	6748	5781	5123	4645	4284	4002	3778	3600	
	LATERAL 	SDB front. raised	8326	6748	5781	5123	4645	4284	4002	3778	3600	
+ 2.0 m	FRONT 	SDB supported	8326	6748	5781	5123	*4359	*3724	*3229	*2830	*2498	
	LATERAL 	SDB raised	8326	6748	*5403	*4430	*3725	*3189	*2767	*2424	*2137	
+ 1.0 m	FRONT 	SDB rear. supported			6878	5851	5151	4641	4253	3947	3699	3492
	LATERAL 	SDB front. raised			6878	5851	5151	4641	4253	3947	3699	3492
+ 0 m	FRONT 	SDB supported			*5894	*4881	*4134	*3563	*3112	*2746	*2442	*2182
	LATERAL 	SDB raised			*4930	*4120	*3508	*3033	*2654	*2343	*2082	*1857
- 1.0 m	FRONT 	SDB rear. supported			4581	6428	5579	4956	4481	4104	3796	3529
	LATERAL 	SDB front. raised			4581	6428	5579	4956	4481	4104	3796	3529
- 2.0 m	FRONT 	SDB supported			4581	6428	5579	4956	4481	4104	3796	3529
	LATERAL 	SDB raised			*4524	*3834	*3300	*2878	*2537	*2255	*2019	*1815
- 3.0 m	FRONT 	SDB rear. supported			4213	6609	5772	5119	4602	4182	3827	3508
	LATERAL 	SDB front. raised			4213	6609	5772	5119	4602	4182	3827	3508
- 4.0 m	FRONT 	SDB supported			4213	*4399	*3764	*3278	*2893	*2580	*2320	*2102
	LATERAL 	SDB raised			4213	*3658	*3151	*2757	*2441	*2181	*1963	*1779
- 5.0 m	FRONT 	SDB rear. supported		3328	6213	6424	5687	5071	4558	4123	3736	3342
	LATERAL 	SDB front. raised		3328	6213	6424	5687	5071	4558	4123	3736	3342
- 6.0 m	FRONT 	SDB supported		3328	*5265	*4339	*3692	*3211	*2836	*2536	*2291	*2089
	LATERAL 	SDB raised		3328	*4333	*3601	*3082	*2692	*2386	*2138	*1934	*1767
- 7.0 m	FRONT 	SDB rear. supported		6606	6610	5944	5329	4782	4299	3857	3411	
	LATERAL 	SDB front. raised		6606	6610	5944	5329	4782	4299	3857	3411	
- 8.0 m	FRONT 	SDB supported		6606	*5298	*4347	*3686	*3200	*2826	*2531	*2296	
	LATERAL 	SDB raised		*5527	*4365	*3608	*3077	*2682	*2376	*2133	*1940	
- 9.0 m	FRONT 	SDB rear. supported	6508	6147	5666	5156	4659	4184	3718	3206	2733	
	LATERAL 	SDB front. raised	6508	6147	5666	5156	4659	4184	3718	3206	2733	
- 10.0 m	FRONT 	SDB supported	6508	6147	*5375	*4404	*3729	*3236	*2862	*2575		
	LATERAL 	SDB raised	6508	*5620	*4438	*3663	*3118	*2716	*2410	*2176		
- 11.0 m	FRONT 	SDB rear. supported	4706	4556	4273	3919	3514	3038				
	LATERAL 	SDB front. raised	4706	4556	4273	3919	3514	3038				
- 12.0 m	FRONT 	SDB supported	4706	4556	4273	3919	3514	3038				
	LATERAL 	SDB raised	4706	4556	4273	*3771	*3215	*2813				

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

with optional 4.5t weight

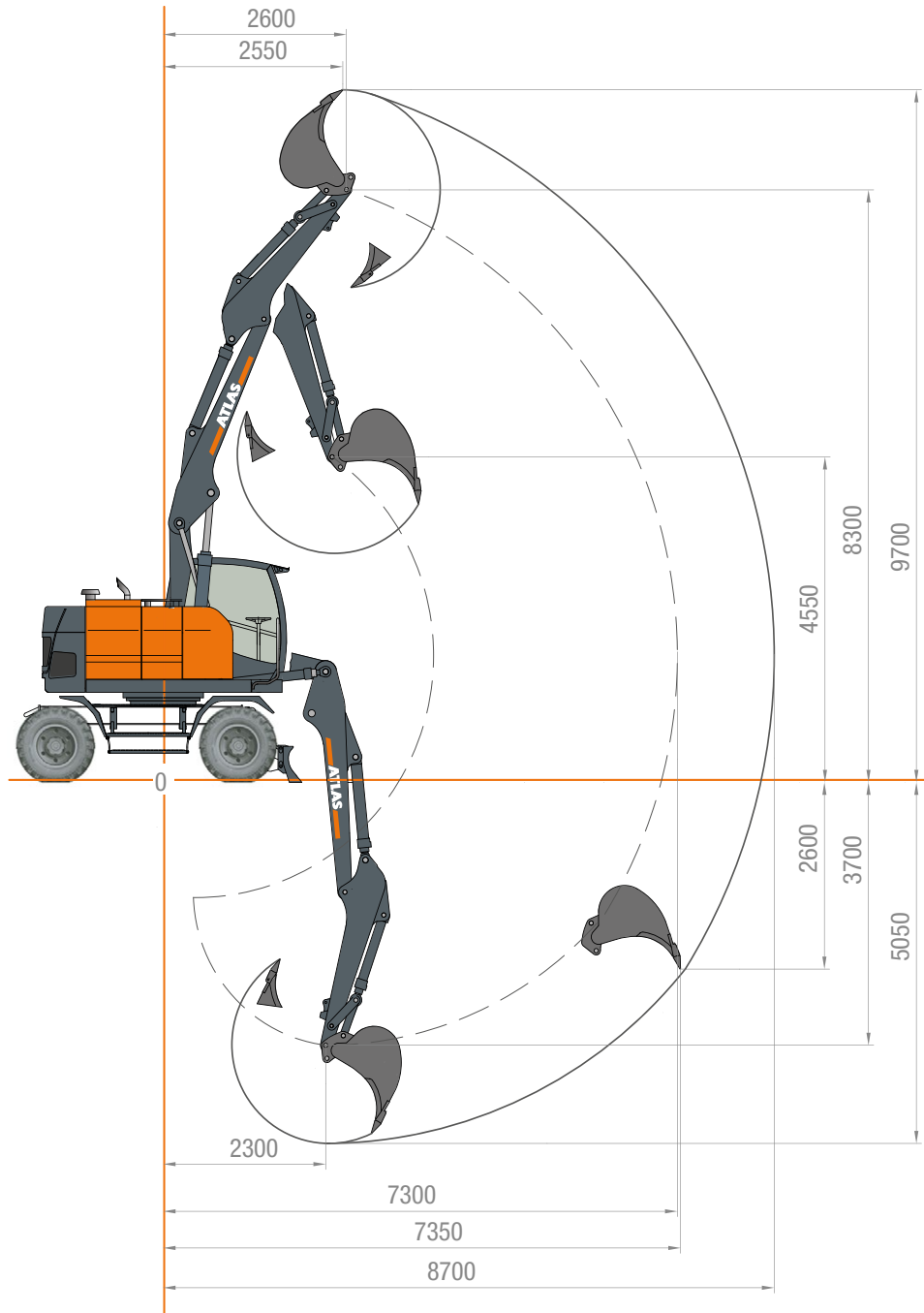
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 5.0 m	FRONT 	SDB rear. supported						3684	3534	3410	3313		
	LATERAL 	SDB front. raised						3684	3534	3410	3313		
+ 4.0 m	FRONT 	SDB supported						3684	*3374	*2936	*2573		
	LATERAL 	SDB raised						*3379	*2907	*2526	*2208		
+ 3.0 m	FRONT 	SDB rear. supported				4663	4282	3985	3747	3553	3394	3264	
	LATERAL 	SDB front. raised				4663	4282	3985	3747	3553	3394	3264	
+ 2.0 m	FRONT 	SDB supported				4663	4282	*3791	*3278	*2868	*2530	*2244	
	LATERAL 	SDB raised				*4556	*3812	*3252	*2813	*2460	*2167	*1917	
+ 1.0 m	FRONT 	SDB rear. supported	7562	6261	5414	4817	4372	4029	3755	3532	3345	3183	
	LATERAL 	SDB front. raised	7562	6261	5414	4817	4372	4029	3755	3532	3345	3183	
+ 0 m	FRONT 	SDB supported	7562	*6098	*5004	*4213	*3616	*3148	*2771	*2459	*2197	*1968	
	LATERAL 	SDB raised	*6389	*5121	*4235	*3582	*3083	*2687	*2365	*2098	*1871	*1672	
- 1.0 m	FRONT 	SDB rear. supported		7226	6105	5321	4745	4305	3956	3672	3432	3217	
	LATERAL 	SDB front. raised		7226	6105	5321	4745	4305	3956	3672	3432	3217	
- 2.0 m	FRONT 	SDB supported		*5606	*4664	*3968	*3434	*3010	*2666	*2380	*2139	*1930	
	LATERAL 	SDB raised		*4655	*3910	*3346	*2906	*2553	*2263	*2021	*1814	*1635	
- 3.0 m	FRONT 	SDB rear. supported	2704	6144	6484	5638	4996	4495	4094	3761	3475	3208	
	LATERAL 	SDB front. raised	2704	6144	6484	5638	4996	4495	4094	3761	3475	3208	
- 4.0 m	FRONT 	SDB supported	2704	*5302	*4418	*3774	*3281	*2890	*2572	*2308	*2085	*1894	
	LATERAL 	SDB raised	2704	*4366	*3674	*3159	*2759	*2437	*2172	*1950	*1761	*1599	
- 5.0 m	FRONT 	SDB rear. supported	4142	6810	6488	5688	5052	4537	4111	3749	3423	3190	
	LATERAL 	SDB front. raised	4142	6810	6488	5688	5052	4537	4111	3749	3423	3190	
- 6.0 m	FRONT	SDB supported	4142	*5191	*4292	*3656	*3180	*2806	*2504	*2257	*2050		
	LATERAL	SDB raised	4142	*4260	*3553	*3045	*2660	*2355	*2106	*1900	*1728		
- 7.0 m	FRONT	SDB rear. supported	6295	7016	6179	5478	4891	4395	3967	3579	3190		
	LATERAL	SDB front. raised	6295	7016	6179	5478	4891	4395	3967	3579	3190		
- 8.0 m	FRONT	SDB supported	6295	*5186	*4265	*3621	*3143	*2774	*2480	*2242	*2047		
	LATERAL	SDB raised	*5364	*4256	*3528	*3012	*2625	*2324	*2082	*1885	*1725		
- 9.0 m	FRONT	SDB rear. supported	6983	6229	5562	4976	4461	3998	3563	3109			
	LATERAL	SDB front. raised	6983	6229	5562	4976	4461	3998	3563	3109			
- 10.0 m	FRONT	SDB supported	*6702	*5241	*4298	*3640	*3157	*2786	*2496	*2267			
	LATERAL	SDB raised	*5445	*4308	*3559	*3031	*2638	*2336	*2098	*1910			
- 11.0 m	FRONT	SDB rear. supported	6104	5571	5056	4565	4099	3647	3181				
	LATERAL	SDB front. raised	6104	5571	5056	4565	4099	3647	3181				
- 12.0 m	FRONT	SDB supported	6104	5571	5056	*4385	*3713	*3222	*2853				
	LATERAL	SDB raised	6104	5571	*4413	*3643	*3101	*2702	*2401				

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 165Wsr

Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.15 m (D6.2)



STICK LENGTHS	2.15 m (D6.2)
A Max. cut-in height	9,70 m
B Max. pouring height	6,90 m
C Max. trench depth	5,05 m
D Max. vertical tapping depth	8,70 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 165Wsr

Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.15 m (D6.2). Max. Reach 8.70 m with optional 4.5t weight

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
+ 6.0 m	FRONT	SDB rear, supported				4494	4255	4069	3936			
	LATERAL	SDB front, raised				4494	4255	4069	3936			
+ 5.0 m	FRONT	SDB supported				4494	4255	*3906	*3341			
	LATERAL	SDB raised				4494	*3996	*3416	*2874			
+ 4.0 m	FRONT	SDB rear, supported			5204	4768	4429	4160	3945	3776		
	LATERAL	SDB front, raised			5204	4768	4429	4160	3945	3776		
+ 3.0 m	FRONT	SDB supported			5204	4768	4429	*3878	3384	*2917		
	LATERAL	SDB raised			5204	*4677	*3955	*3405	*2961	*2507		
+ 2.0 m	FRONT	SDB rear, supported	7987	6997	5995	5304	4798	4411	4107	3861	3662	
	LATERAL	SDB front, raised	7987	6997	5995	5304	4798	4411	4107	3861	3662	
+ 1.0 m	FRONT	SDB supported	7987	6997	5995	*5217	*4418	3819	*3353	*2947	*2526	
	LATERAL	SDB raised	7987	*6871	*5498	*4557	*3876	*3359	*2951	*2536	*2163	
+ 0 m	FRONT	SDB rear, supported	7859	7640	6991	5964	5253	4729	4326	4004	3739	3509
	LATERAL	SDB front, raised	7859	7640	6991	5964	5253	4729	4326	4004	3739	*3369
- 1.0 m	FRONT	SDB supported	7859	7640	*6115	*5077	*4327	*3762	*3318	*2929	*2519	*2180
	LATERAL	SDB raised	7859	*6603	*5319	*4441	3800	*3309	*2929	*2519	*2156	*1854
- 2.0 m	FRONT	SDB rear, supported	8198	7838	7393	6466	5624	4999	4516	4129	3807	3519
	LATERAL	SDB front, raised	8198	7838	7393	6466	5624	4999	4516	4129	3807	*3339
- 3.0 m	FRONT	SDB supported	8198	*7516	*6019	5001	*4275	*3727	*3309	*2871	*2476	*2152
	LATERAL	SDB raised	8198	*6482	*5228	*4378	*3757	*3287	*2900	*2463	*2113	*1827
- 4.0 m	FRONT	SDB rear, supported	9448	8603	7643	6583	5755	5109	4592	4167	3815	3512
	LATERAL	SDB front, raised	9448	8603	7643	6583	5755	5109	4592	4167	3815	*3292
- 5.0 m	FRONT	SDB supported	9448	*7535	*6005	4996	4275	*3747	*3251	*2781	*2408	*2109
	LATERAL	SDB raised	*8551	6485	*5227	*4374	*3762	*3237	*2786	*2374	*2047	*1784
- 6.0 m	FRONT	SDB rear, supported	11048	9310	7737	6607	5766	5116	4600	4186	3841	3244
	LATERAL	SDB front, raised	11048	9310	7737	6607	5766	5116	4600	4186	3841	*3659
- 7.0 m	FRONT	SDB supported	*10225	*7627	*6054	*4993	*4227	*3642	*3105	*2677	*2338	*2077
	LATERAL	SDB raised	*8336	*6322	*5078	*4224	*3595	*3107	*2644	*2274	*1978	*1754
- 8.0 m	FRONT	SDB rear, supported	11891	9454	7837	6691	5841	5194	4702	4168	3421	
	LATERAL	SDB front, raised	11891	9454	7837	6691	5841	5194	*4699	*4088	3421	
- 9.0 m	FRONT	SDB supported	*10078	*7427	*5872	*4843	*4106	*3470	*2976	*2594	*2299	
	LATERAL	SDB raised	*8122	*6123	*4906	*4080	*3479	*2940	*2519	*2192	*1940	
- 10.0 m	FRONT	SDB rear, supported	12175	9707	8088	6914	5959	5104	4241	3104		
	LATERAL	SDB front, raised	12175	9707	8088	6914	5959	5104	4241	3104		
- 11.0 m	FRONT	SDB supported	*10013	*7352	*5803	*4716	*3929	*3349	*2911	*2573		
	LATERAL	SDB raised	*8063	*6053	*4840	*3958	*3308	*2823	*2456	*2172		

Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.15 m (D6.2). Max. Reach 8.70 m with optional 4.5t weight (wide axle in combination dozer blade 2.75m)

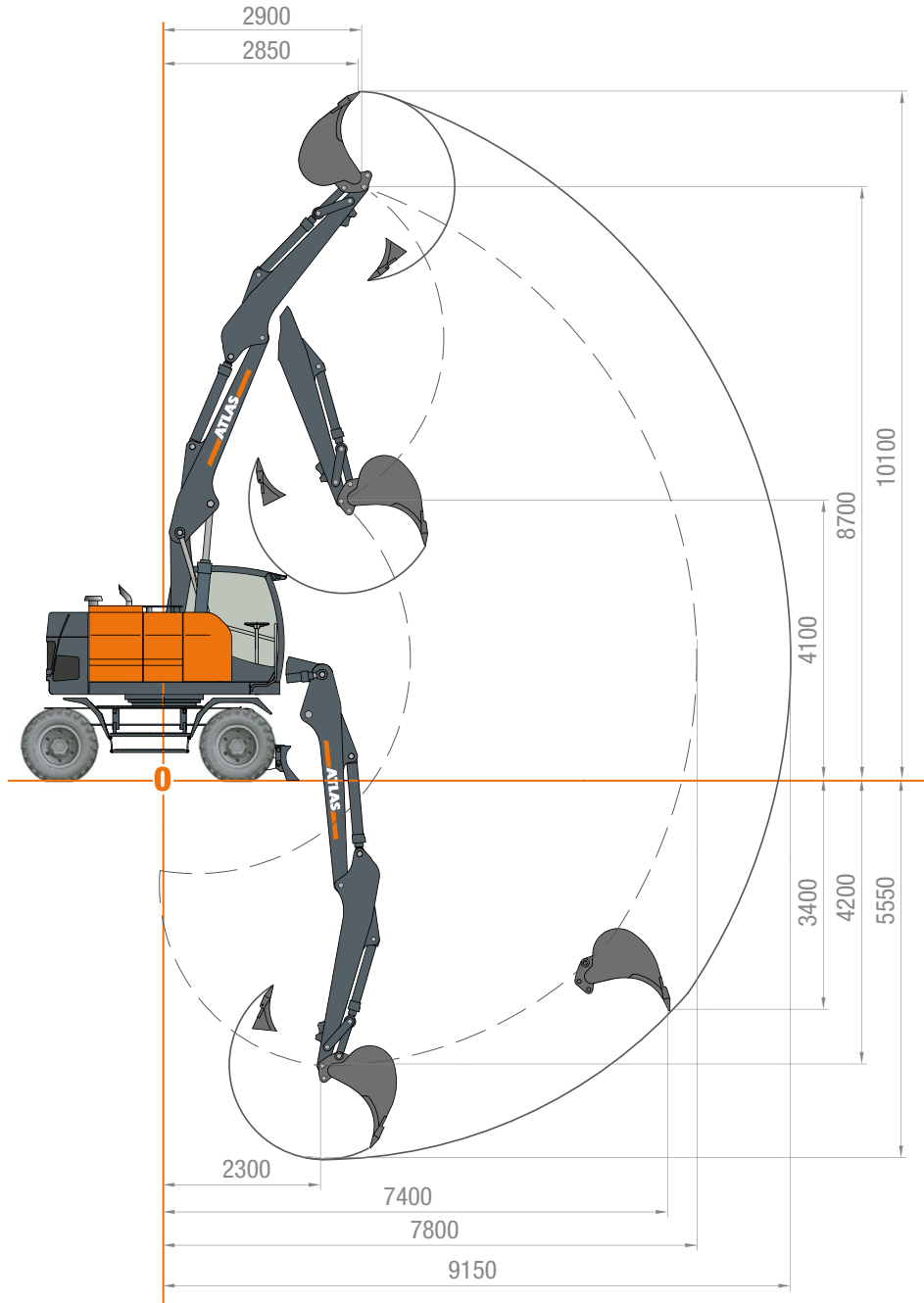
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m
+ 6.0 m	FRONT	SDB rear, supported				4494	4255	4069	3936			
	LATERAL	SDB front, raised				4494	4255	4069	3936			
+ 5.0 m	FRONT	SDB supported				4494	4255	4069	*3934			
	LATERAL	SDB raised				4494	4255	*4016	*3452			
+ 4.0 m	FRONT	SDB rear, supported			5204	4768	4429	4160	3945	3776		
	LATERAL	SDB front, raised			5204	4768	4429	4160	3945	3776		
+ 3.0 m	FRONT	SDB supported			5204	4768	4429	4160	*3918	*3457		
	LATERAL	SDB raised			5204	4768	4429	3984	*3479	*3019		
+ 2.0 m	FRONT	SDB rear, supported	7987	6997	5995	5304	4798	4411	4107	3861	3662	
	LATERAL	SDB front, raised	7987	6997	5995	5304	4798	4411	4107	3861	3662	
+ 1.0 m	FRONT	SDB supported	7987	6997	5995	5304	4798	4411	*3874	*3439	*3012	
	LATERAL	SDB raised	7987	6997	5995	5304	*4534	*3920	*3448	*3048	*2621	
+ 0 m	FRONT	SDB rear, supported	7859	7640	6991	5964	5253	4729	4326	4004	3739	3509
	LATERAL	SDB front, raised	7859	7640	6991	5964	5253	4729	4326	4004	3739	3509
- 1.0 m	FRONT	SDB supported	7859	7640	6991	*5890	*5003	4343	*3825	*3415	*3005	*2618
	LATERAL	SDB raised	7859	7640	*6250	*5205	*4437	*3861	*3409	*3031	*2614	*2268
- 2.0 m	FRONT	SDB rear, supported	8198	7838	7393	6466	5624	4999	4516	4129	3807	3519
	LATERAL	SDB front, raised	8198	7838	7393	6466	5624	4999	4516	4129	3807	*3519
- 3.0 m	FRONT	SDB supported	8198	7838	*6983	*5789	*4933	*4295	*3797	*3415	*2960	*2590
	LATERAL	SDB raised	8198	*7664	*6147	*5120	*4382	*3828	*3396	*2973	*2570	*2241
- 4.0 m	FRONT	SDB rear, supported	9448	8603	7643	6583	5755	5109	4592	4167	3815	3512
	LATERAL	SDB front, raised	9448	8603	7643	6583	5755	5109	4592	4167	3815	*3503
- 5.0 m	FRONT	SDB supported	9448	8603	*6971	*5772	*4922	*4294	3819	*3322	*2891	*2545
	LATERAL	SDB raised	9448	*7677	*6140	*5117	*4383	3840	*3361	*2883	*2503	*2197
- 6.0 m	FRONT	SDB rear, supported	11048	9310	7737	6607	5766	5116	4600	4186	3841	3244
	LATERAL	SDB front, raised	11048	9310	7737	6607	5766	5116	4600	4186	3841	3244
- 7.0 m	FRONT	SDB supported	11048	8887	*7038	5827	*4981	*4349	*3717	*3217	*2819	*2513
	LATERAL	SDB raised	*10371	*7777	*6213	*5143	*4362	*3764	*3217	*2780	*2433	*2166
- 8.0 m	FRONT	SDB rear, supported	11891	9454	7837	6691	5841	5194	4702	4168	3421	
	LATERAL	SDB front, raised	11891	9454	7837	6691	5841	5194	4702	4168	3421	
- 9.0 m	FRONT	SDB supported	11891	*9057	*7137	*5845	*4934	*4172	*3585	*3131	*2780	
	LATERAL	SDB raised	*10278	*7617	*6042	*4994	*4242	*3593	*3088	*2699	*2394	
- 10.0 m	FRONT	SDB rear, supported	12175	9707	8088	6914	5959	5104	4241	3104		
	LATERAL	SDB front, raised	12175	9707	8088	6914	5959	5104	4241	3104		
- 11.0 m	FRONT	SDB supported	12175	*9050	*7064	*5713	*4751	*4048	*3519	3104		
	LATERAL	SDB raised	*10215	*7543	*5973	*4868	*4066	*3473	*3024	*2677		

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 165Wsr

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 165Wsr

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 9.20 m with optional 4.5t weight

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					3884	3733	3612	3522			
	LATERAL	SDB front, raised					3884	3733	3612	3522			
+ 5.0 m	FRONT	SDB supported					3884	3733	3427	*2965			
	LATERAL	SDB raised					3884	*3465	*3000	*2553			
+ 4.0 m	FRONT	SDB rear, supported				4342	4077	3859	3679	3529	3407		
	LATERAL	SDB front, raised				4342	4077	3859	*3406	*3000	*2603		
+ 3.0 m	FRONT	SDB supported				4342	*3992	*3431	2993	*2623	*2237		
	LATERAL	SDB raised				4342	*3992	*3431	2993	*2623	*2237		
+ 2.0 m	FRONT	SDB rear, supported	5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
	LATERAL	SDB front, raised	5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
+ 1.0 m	FRONT	SDB supported	5186	5521	5421	4874	*4451	*3832	*3357	*2974	*2627	*2266	
	LATERAL	SDB raised	5186	5521	5421	*4594	*3898	*3365	*2953	*2617	*2260	*1937	
+ 0 m	FRONT	SDB rear, supported	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
	LATERAL	SDB front, raised	7987	7734	6428	5563	4946	4483	4121	3831	3590	*3374	*3039
- 1.0 m	FRONT	SDB supported	7987	*7727	*6158	*5094	*4334	*3756	*3302	2944	*2610	*2258	*1962
	LATERAL	SDB raised	7987	*6664	5350	4452	*3800	*3298	*2908	*2597	*2244	*1929	*1664
- 2.0 m	FRONT	SDB rear, supported	8169	7911	7295	6182	5396	4812	4361	4001	*3693	*3354	*3013
	LATERAL	SDB front, raised	8169	7911	7295	6182	5396	4812	4361	4001	*3693	*3354	*3013
- 3.0 m	FRONT	SDB supported	8169	*7494	*5991	*4977	*4246	3698	*3267	*2930	*2560	*2218	*1938
	LATERAL	SDB raised	8169	*6457	5211	*4351	*3727	*3254	2885	*2566	*2194	*1890	*1640
- 4.0 m	FRONT	SDB rear, supported	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	3203
	LATERAL	SDB front, raised	8952	8301	7523	6490	5654	5013	4509	4072	*3676	*3349	*2969
- 5.0 m	FRONT	SDB supported	8952	7440	5941	4934	*4219	*3679	*3269	*2876	*2479	*2158	*1897
	LATERAL	SDB raised	*8432	*6403	*5161	*4314	*3701	*3244	*2859	*2466	*2115	*1832	*1600
- 6.0 m	FRONT	SDB rear, supported	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
	LATERAL	SDB front, raised	10317	9015	7611	6506	5680	5039	4526	4075	*3714	*3278	*2936
- 7.0 m	FRONT	SDB supported	*10035	7492	*5969	*4965	*4251	*3676	*3205	*2748	*2384	*2092	*1866
	LATERAL	SDB raised	*8470	*6418	*5148	*4275	*3633	*3138	*2741	*2341	*2023	*1767	*1570
- 8.0 m	FRONT	SDB rear, supported	11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
	LATERAL	SDB front, raised	11530	9270	7686	6561	5723	5077	4568	*4129	*3623	3197	
- 9.0 m	FRONT	SDB supported	*10102	*7452	*5892	*4857	*4116	*3554	*3036	*2627	*2300	*2050	
	LATERAL	SDB raised	*8140	*6143	*4922	*4092	*3486	*3020	*2576	*2223	*1941	*1725	
- 10.0 m	FRONT	SDB rear, supported	11882	9455	7843	6703	5878	5234	4618	3960	3095		
	LATERAL	SDB front, raised	11882	9455	7843	6703	5878	5234	4618	3960	3095		
- 11.0 m	FRONT	SDB supported	*9948	*7309	*5767	*4753	*3987	*3376	*2908	*2549	*2269		
	LATERAL	SDB raised	*7999	*6009	*4803	*3991	*3362	*2848	*2452	*2147	*1911		

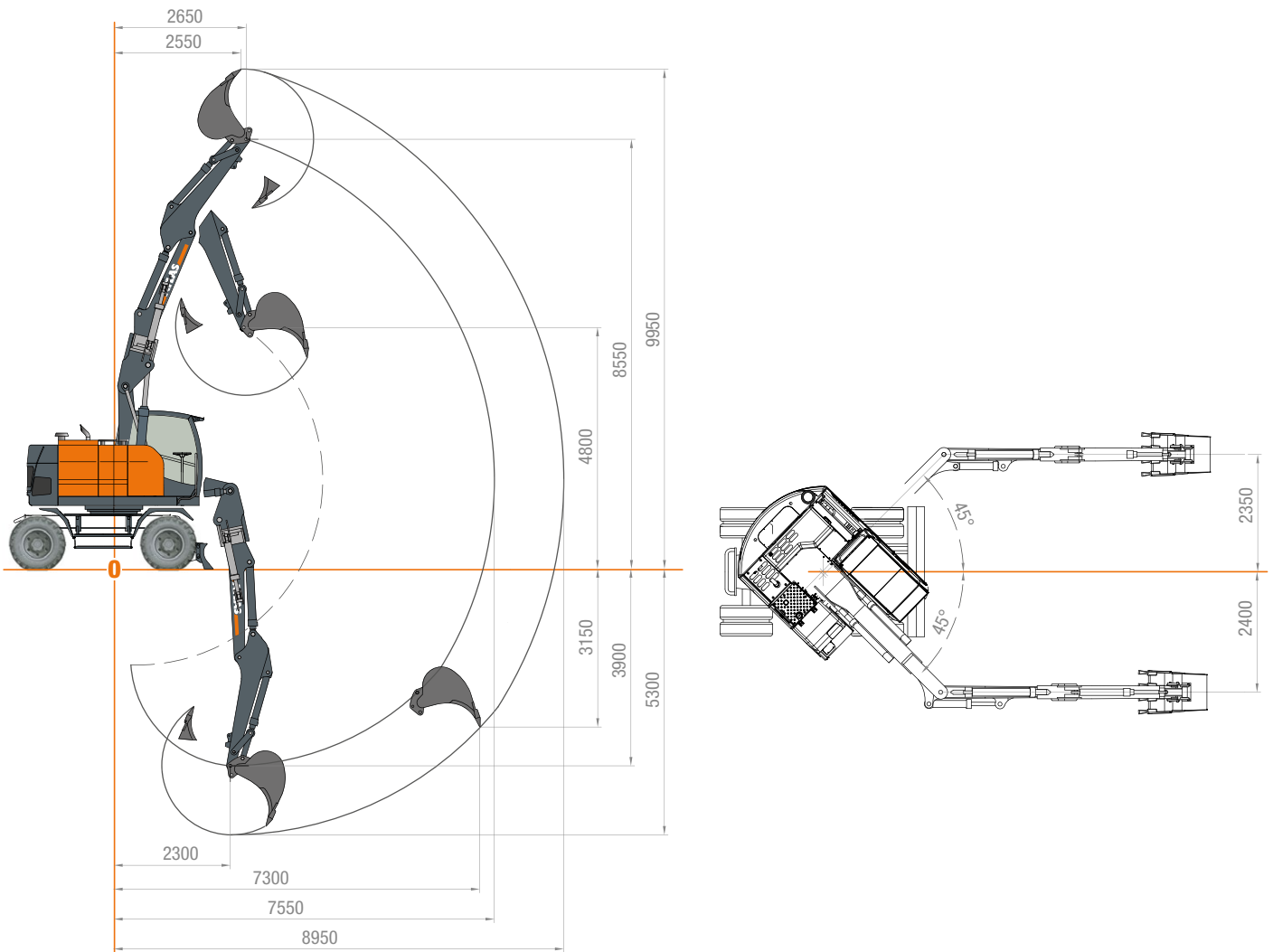
Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.65 m (D6.3). Max. Reach 9.20 m with optional 4.5t weight (wide axle in combination dozer blade 2.75m)

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					3884	3733	3612	3522			
	LATERAL	SDB front, raised					3884	3733	3612	3522			
+ 5.0 m	FRONT	SDB supported					3884	3733	3612	*3486			
	LATERAL	SDB raised					3884	3733	*3525	*3066			
+ 4.0 m	FRONT	SDB rear, supported				4342	4077	3859	3679	3529	3407		
	LATERAL	SDB front, raised				4342	4077	3859	3679	*3475	3090		
+ 3.0 m	FRONT	SDB supported				4342	4077	3859	3679	*3500	*3087		
	LATERAL	SDB raised				4342	4077	3859	*3500	*3087	*2697		
+ 2.0 m	FRONT	SDB rear, supported	5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
	LATERAL	SDB front, raised	5186	5521	5421	4874	4458	4132	3869	*3437	*3076	*2706	
+ 1.0 m	FRONT	SDB supported	5186	5521	5421	4874	4458	4132	3869	*3437	*3076	*2706	
	LATERAL	SDB raised	5186	5521	5421	4874	4458	*3938	*3451	*3016	*2721	*2354	
+ 0 m	FRONT	SDB rear, supported	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
	LATERAL	SDB front, raised	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
- 1.0 m	FRONT	SDB supported	7987	7734	6428	5563	4946	*4340	*3817	*3396	3055	*2698	*2362
	LATERAL	SDB raised	7987	7734	*6287	*5217	*4440	*3857	3395	3028	*2704	*2346	*2044
- 2.0 m	FRONT	SDB rear, supported	8169	7911	7295	6182	5396	4812	4361	4001	3703	3448	3201
	LATERAL	SDB front, raised	8169	7911	7295	6182	5396	4812	4361	4001	3703	3448	3201
- 3.0 m	FRONT	SDB supported	8169	7911	*6956	5767	4915	*4267	*3767	*3366	*3047	*2657	*2338
	LATERAL	SDB raised	8169	*7639	6128	5097	*4357	*3797	3359	*3010	*2654	*2306	*2020
- 4.0 m	FRONT	SDB rear, supported	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	3203
	LATERAL	SDB front, raised	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	*3162
- 5.0 m	FRONT	SDB supported	8952	8301	6897	*5715	*4868	*4235	*3751	*3373	*2964	*2596	*2296
	LATERAL	SDB raised	8952	*7583	6069	*5052	*4326	3779	*3356	*2978	*2573	*2246	*1979
- 6.0 m	FRONT	SDB rear, supported	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
	LATERAL	SDB front, raised	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
- 7.0 m	FRONT	SDB supported	10317	*8729	6924	*5729	4889	*4264	3810	*3290	*2868	*2529	*2264
	LATERAL	SDB raised	*10179	*7634	*6107	*5084	*4356	*3797	*3316	*2850	*2479	*2181	*1948
- 8.0 m	FRONT	SDB rear, supported	11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
	LATERAL	SDB front, raised	11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
- 9.0 m	FRONT	SDB supported	11530	*8868	7039	5838	*4945	*4260	*3648	*3166	*2783	*2486	
	LATERAL	SDB raised	*10301	*7640	*6061	*5008	*4251	*3676	*3148	*2730	*2396	*2138	
- 10.0 m	FRONT	SDB rear, supported	11882	9455	7843	6703	5878	5234	4618	3960	3095		
	LATERAL	SDB front, raised	11882	9455	7843	6703	5878	5234	4618	3960	3095		
- 11.0 m	FRONT	SDB supported	11882	*9007	*7029	*5753	*4813	*4076	*3517	*3086	*2751		
	LATERAL	SDB raised	*10150	*7500	*5937	*4904	*4123	*3499	*3021	*2652	*2365		

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 165Wsr

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 165Wsr

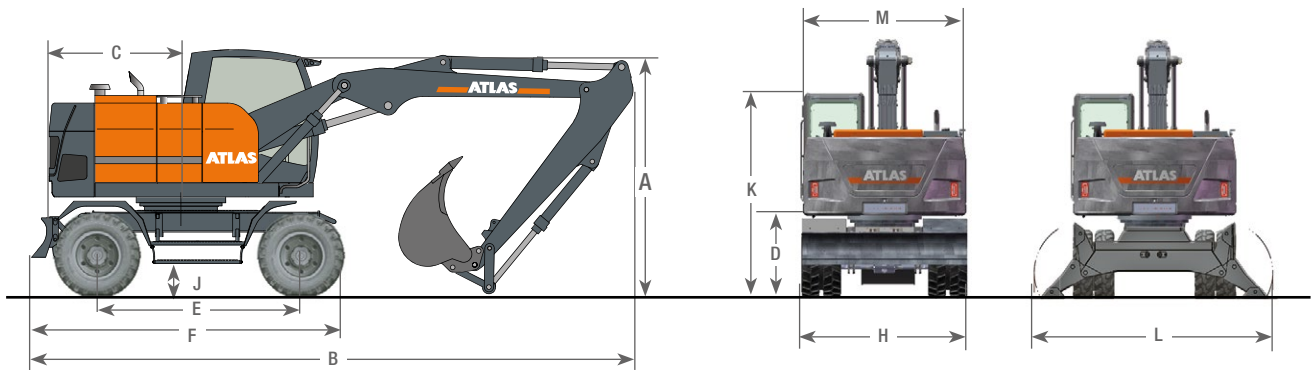
Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and boom 3.35 m (C6.47) with Stick 2.65 m (D6.3). Max. reach 8.95 m
with optional 4.5t weight

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				4283	3981	3736	3534	3366	3227	3116	
		SDB front, raised				4283	3981	3736	3534	3366	3227	3116	
	LATERAL 	SDB supported				4283	3981	3736	*3347	*2943	*2591	*2206	
		SDB raised				4283	*3939	*3380	*2939	*2582	*2219	*1873	
+ 4.0 m	FRONT 	SDB rear, supported	6712	6244	5401	4802	4352	4003	3724	3496	3306	3146	3009
		SDB front, raised	6712	6244	5401	4802	4352	4003	3724	3496	3306	3146	*2996
	LATERAL 	SDB supported	6712	6244	5401	4802	4352	*3753	*3281	*2903	2593	*2236	*1913
		SDB raised	6712	6244	5401	*4514	3816	3299	*2887	2555	*2242	*1903	*1611
+ 3.0 m	FRONT 	SDB rear, supported	6898	6900	6341	5441	4805	4329	3960	3665	3421	3215	3034
		SDB front, raised	6898	6900	6341	5441	4805	4329	3960	3665	3421	3215	*2979
	LATERAL 	SDB supported	6898	6900	*5978	*4954	4217	*3652	*3214	*2862	*2575	*2223	*1910
		SDB raised	6898	*6456	*5199	*4334	*3696	*3210	*2831	*2521	*2224	*1890	*1609
+ 2.0 m	FRONT 	SDB rear, supported	7381	7244	6910	5978	5200	4622	4176	3820	3527	3278	3056
		SDB front, raised	7381	7244	6910	5978	5200	4622	4176	3820	3527	*3238	*2965
	LATERAL 	SDB supported	7381	*7203	*5788	*4821	*4112	*3583	*3166	*2835	*2538	*2176	*1877
		SDB raised	7381	*6230	*5038	*4212	3608	*3150	2790	*2508	*2167	*1844	*1576
+ 1.0 m	FRONT 	SDB rear, supported	8206	7726	7074	6198	5402	4787	4301	3907	3578	3294	3057
		SDB front, raised	8206	7726	7074	6198	5402	4787	4301	3907	3539	3233	*2908
	LATERAL 	SDB supported	8206	7160	*5730	*4763	*4078	*3558	*3157	*2862	*2442	*2104	*1824
		SDB raised	8122	*6173	4985	*4167	3580	*3134	2798	*2449	*2073	*1774	*1524
+ 0 m	FRONT 	SDB rear, supported	9626	8499	7264	6202	5411	4798	4309	3909	3580	3321	3006
		SDB front, raised	9626	8499	7264	6202	5411	4798	4309	*3905	*3553	*3217	*2852
	LATERAL 	SDB supported	9626	*7242	*5772	*4802	*4109	*3602	*3141	*2713	*2327	*2019	*1772
		SDB raised	*8186	*6225	*5005	*4163	*3542	*3060	*2671	*2301	*1962	*1690	*1473
- 1.0 m	FRONT 	SDB rear, supported	10954	8889	7355	6269	5463	4843	4352	3965	3656	3228	
		SDB front, raised	10954	8889	7355	6269	5463	4843	4352	3965	*3551	*3141	
	LATERAL 	SDB supported	*9805	*7242	*5733	*4731	*4011	*3464	*2986	*2556	*2215	*1948	
		SDB raised	*7848	*5931	*4759	*3960	*3376	*2926	*2521	*2148	*1852	*1621	
- 2.0 m	FRONT 	SDB rear, supported	11452	9093	7528	6422	5609	5022	4496	3949	3286		
		SDB front, raised	11452	9093	7528	6422	5609	5022	4496	3949	3286		
	LATERAL 	SDB supported	*9651	*7092	*5597	*4614	*3915	*3300	*2816	*2443	*2152		
		SDB raised	*7707	*5791	*4630	*3848	*3284	*2767	*2356	*2038	*1791		
- 3.0 m	FRONT 	SDB rear, supported	11843	9472	7856	6601	5595	4700	3812	2744			
		SDB front, raised	11843	9472	7856	6601	5595	4700	3812	2744			
	LATERAL 	SDB supported	*9688	*7102	*5562	*4484	*3729	*3170	*2745	*2421			
		SDB raised	*7741	*5800	*4596	*3724	*3105	*2641	*2287	*2016			

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.

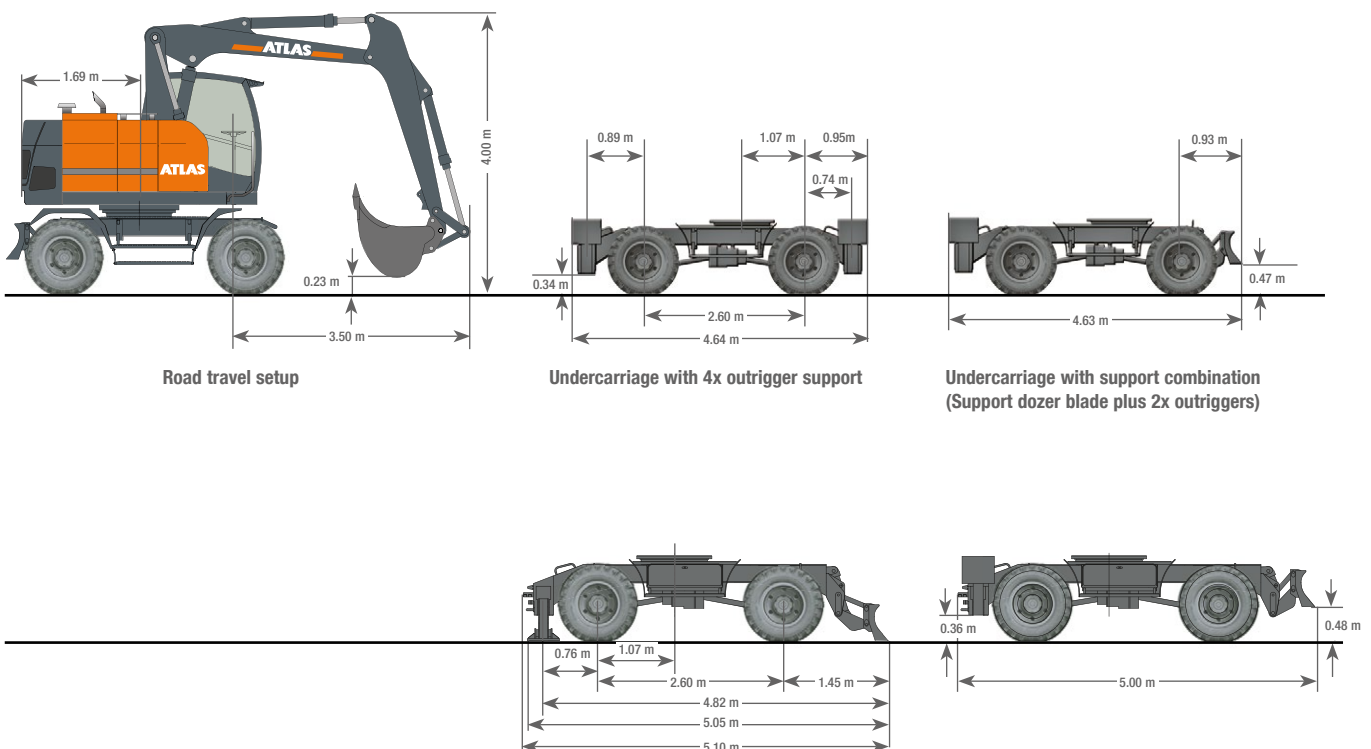
DIMENSIONS 165Wsr

165Wsr Transport position



A	TRANSPORT HEIGHT (with bucket)		
	Adjustable boom* with Stick 2.15 m.....	3.14 m	C TAIL SWING RADIUS.....1.69 m
	Adjustable boom* with Stick 2.65 m.....	3.14 m	D CLEARANCE UNDER COUNTERWEIGHT1.26 m
	Monoblock boom 4.85 m with Stick 2.15 m	3.14 m	E WHEEL BASE2.60 m
	Monoblock boom 4.85 m with Stick 2.65 m	3.14 m	F UNDERCARRIAGE LENGTH4.00 m
B	TRANSPORT LENGTH		H DOZER BLADE WIDTH2.54 m Optional.....2.74 m
	Adjustable boom* with Stick 2.15 m.....	7.69 m	J GROUND CLEARANCE.....0.45 m
	Adjustable boom* with Stick 2.65 m.....	8.20 m	K OVERALL HEIGHT OF CAB3.15 m
	Monoblock boom 4.85 m with Stick 2.15 m	7.60 m	L OUTRIGGERS WIDTH (extended).....3.50 m
	Monoblock boom 4.85 m with Stick 2.65 m	7,60 m	M OVERALL WIDTH OF SUPERSTRUCTURE.....2.50 m

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





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