




**100**  
ATLAS 1919 - 2019

**ATLAS**  
SINCE 1919

**STABLE.  
STRONG.  
STEADY.**

-  16.2 t - 18.5 t
-  105 kW (143 HP)
-  0.7 - 1.1 m<sup>3</sup>



**WHEELED EXCAVATOR 165W<sub>SR</sub> blue**

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

# TECHNICAL SPECIFICATION 165Wsr

## Technical specifications

### ENGINE

Power ..... 105 kW (143 HP)	Number of cylinders ..... 4	Generator ..... 24 V / 100 A
RPM ..... 1800/min	Bore / cylinder stroke ..... 101 / 126	Starter ..... 24 V / 4 kW
Make / model ..... Deutz TCD 4.1 (EU Stage V)	Cooling system ..... Water-cooled	
Design ..... Turbocharger	Air filter ..... Dry air filter	
Displacement ..... 4038 cm <sup>3</sup>	Battery ..... 2 x 12 V / 100 Ah	

### HYDRAULIC SYSTEM

• AWE 5 system (Load sensing)	• Suction valves for all work functions	• 2 additional circuits for additional consumer loads possible
• Load limit controlled high-performance pump	• Load-retaining and fine lowering valves in lifting circuit	• Max. oil flow ..... 240 l/min
• Fuel-efficient flow-on-demand control	• Pipe break protection valves for lifting and articulated cylinders	• Max. operating pressure ..... 320 bar
• Sensitive, proportional, independent control	• Grab / grab-rotating function equipped as standard	• Operating modes: 3 pre-programmed modes (Fine, Eco, Power)
• Primary and secondary protection against overload		

### SWING ASSEMBLY

A hydrostatic drive with a 2-tier planetary gear and an axial piston motor acts like a wear-resistant service brake. Additional spring-mechanism multi-disc brake as a parking brake.

Axial piston motor with priority valve

Planetary transmission

Automatically controlled multi-disc brake

• Max. swing speed ..... 9/min

• Swing torque ..... 41 kNm

### TRACTION DRIVE AND BRAKES

• Variable displacement motor	Automotive drive and cruise control:	• Tractive force ..... 87 kN
• Power-shift transmission	• Maximum speed ..... 20 km/h	• Max. gradeability ..... 60 %
• Double-acting brake valve	• Terrain speed ..... 5 km/h	• Dual circuit brake system ..... Multi-disc
• Driving direction pre-selection via buttons in joystick	• Crawling speed ..... 1 km/h	• Parking brake ..... Multi-disc
	• High-speed option ..... 36 km/h	• ZF axles

### UNDERCARRIAGE

• 28 t special excavator axles	• 8 tyres ..... 10.00 - 20	• 4 tyres (optional) ..... 710 - 22.5
• Steering axle with automatic oscillating axle blocking		

### FILL CAPACITIES

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

### DRIVER'S CAB

• Meets latest safety standards ROPS	<b>CONTROL:</b>	<b>CLIMATE CONTROL:</b>
• Extra large entry zone	• Ergonomic joysticks with proportional slide control	• Air conditioning with Climatronic
• Spacious leg room	• Slim steering column, height and tilt adjustable	• Very good air distribution through optimally arranged nozzles
• Excellent circumferential visibility	• Indicators, controls and operating switches are clearly arranged	
• Preparation for radio installation with mute function		<b>SOUND LEVELS:</b>
	<b>MONITORING:</b>	• ISO 6396 (L <sub>p</sub> A) in driver's cab ..... 72 dB(A)
<b>DRIVER'S SEAT:</b>	• Operating data appears display	• 2000/14 EG (L <sub>w</sub> A) ambience level ..... 97 dB(A)
• Air-cushioned comfort seat (optional seat heating)	• Automatic system for monitoring, warning and storage of data	
• Arm rests and lumbar support		
• Seat adjustable separately from console		

# WORKING EQUIPMENT 165Wsr

## Equipment

### OPERATING WEIGHTS

	MONOBLOCK BOOM	ADJUSTABLE BOOM
Support dozer blade	16.1 t - 16.9 t	16.5 t - 17.5 t
blade / outriggers	16.5 t - 17.3 t	16.9 t - 18.0 t
4 support outriggers	17.2 t - 18.0 t	17.6 t - 18.6 t

Operating weight with driver, completely filled implement

### EQUIPMENT

#### BASIC DEVICE Atlas 165Wsr (can be combined)

<ul style="list-style-type: none"> <li>Wheel excavator 165Wsr with support and dozerblade (SDB) and 2 lifting cylinders (A 5.2)</li> </ul>	<b>STANDARD EQUIPMENT:</b>	<ul style="list-style-type: none"> <li>Seat adjustable separately from console</li> </ul>
<ul style="list-style-type: none"> <li>Wheel excavator 165Wsr with quadruple claw support and 2 lifting cylinders (A 5.32)</li> </ul>	<b>Engine:</b>	<ul style="list-style-type: none"> <li>Heat-absorbing glass, tinted windows</li> </ul>
<ul style="list-style-type: none"> <li>Wheel excavator 165Wsr with blade on rigid axle, 2 outriggers on steering axle and 2 lifting cylinders (A 5.33)</li> </ul>	<ul style="list-style-type: none"> <li>Automatic idle</li> </ul>	<ul style="list-style-type: none"> <li>Rear view security camera</li> </ul>
<ul style="list-style-type: none"> <li>Wheel excavator 165Wsr with blade on steering axle, 2 outriggers on rigid axle and 2 lifting cylinders (A 5.35)</li> </ul>	<ul style="list-style-type: none"> <li>Diesel pre-filter</li> </ul>	<ul style="list-style-type: none"> <li>Right side camera</li> </ul>
* SDB = support and dozer blade	<ul style="list-style-type: none"> <li>Engine monitoring</li> <li>Cold start assistance</li> </ul>	<ul style="list-style-type: none"> <li>Automotive drive and cruise control</li> <li>Operating data display screen</li> </ul>

#### BOOM:

<ul style="list-style-type: none"> <li>Monoblock boom with stick cylinder 4.85 m (C6.4MG)</li> </ul>	<b>Hydraulics:</b>	<ul style="list-style-type: none"> <li>Ready for electric cooling box</li> <li>Different options for storage, compartment for documents</li> </ul>
<ul style="list-style-type: none"> <li>Adjustable boom consisting of the base arm 1.87 m (C6.41) with adjustable cylinder and boom 3.10 m (C6.46) with stick cylinder</li> </ul>	<ul style="list-style-type: none"> <li>Proportional grab/grab rotating function</li> </ul>	<ul style="list-style-type: none"> <li>Bottle holder</li> </ul>

#### STICKS:

<ul style="list-style-type: none"> <li>Stick 2.15 m (D6.2)</li> </ul>	<ul style="list-style-type: none"> <li>Accumulator for emergency lowering of the arm system</li> <li>Pipe break protection valves for lifting and articulated cylinders</li> </ul>	<b>EQUIPMENT:</b>
<ul style="list-style-type: none"> <li>Stick 2.65 m (D6.3)</li> </ul>	<ul style="list-style-type: none"> <li>Max. load-limit control</li> <li>Cylinder end-position damping</li> </ul>	<ul style="list-style-type: none"> <li>Joint bearings in stick and bucket cylinders</li> <li>Combined lubricating points for swing bearing and arm equipment</li> </ul>

#### BUCKET TIPPING CYLINDER:

<ul style="list-style-type: none"> <li>Bucket tipping cylinder with bucket linkage (F 6.1)</li> </ul>	<b>Cab:</b>	<b>UNDERCARRIAGE:</b>
	<ul style="list-style-type: none"> <li>Air conditioning</li> <li>Preparation for radio installation with mute function</li> <li>Slim steering column, height and tilt adjustable</li> </ul>	<ul style="list-style-type: none"> <li>Power-shift transmission</li> <li>Wet disc brakes</li> <li>Tool box in the undercarriage</li> </ul>

### ADDITIONAL EQUIPMENT

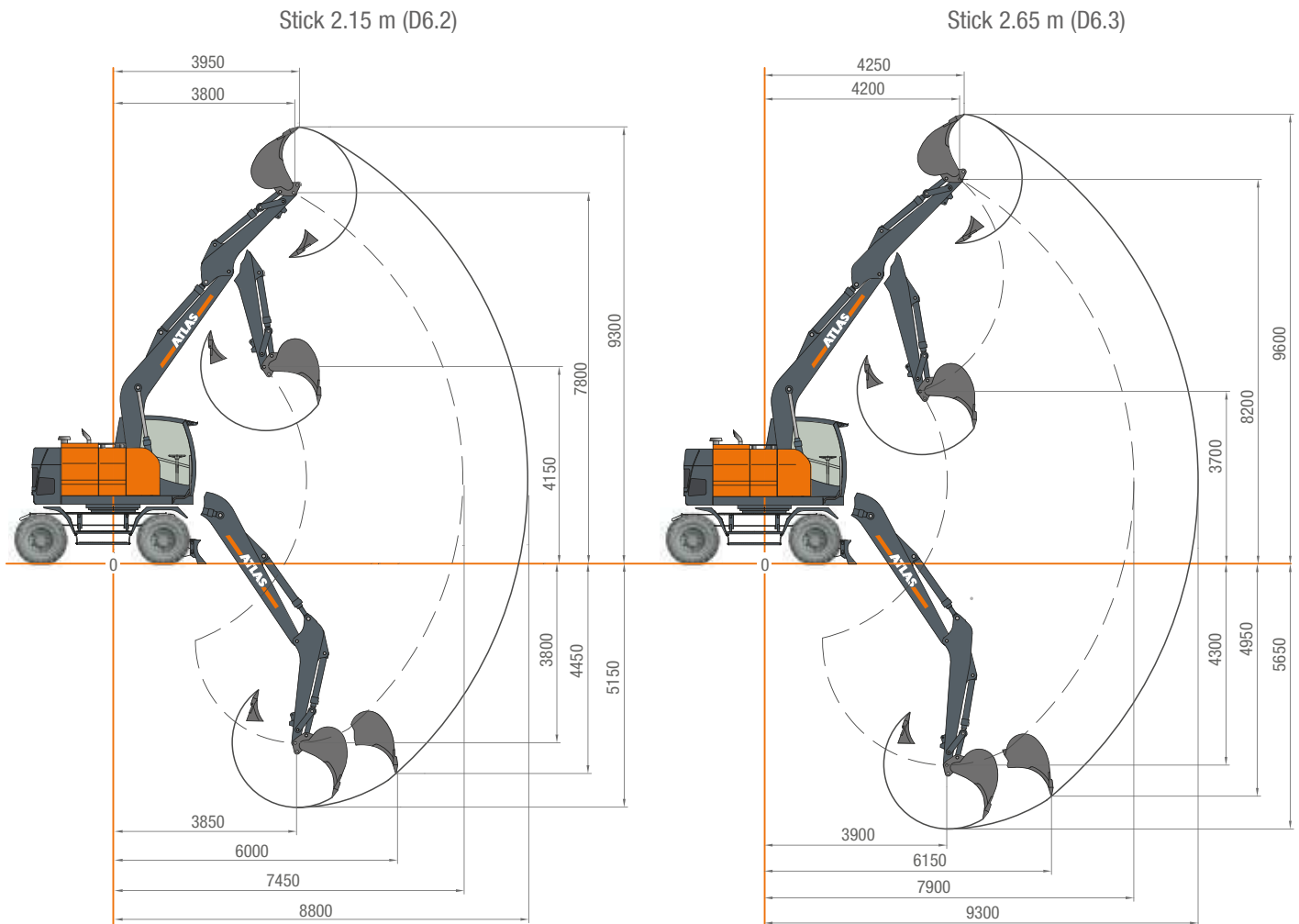
<b>Engine:</b>	<b>Equipment:</b>	<ul style="list-style-type: none"> <li>LED working-lights</li> </ul>
<ul style="list-style-type: none"> <li>Refueling pump</li> </ul>	<ul style="list-style-type: none"> <li>Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment</li> </ul>	<ul style="list-style-type: none"> <li>GPS/GSM telemetric system for monitoring of operating data, consumption, position</li> </ul>
<ul style="list-style-type: none"> <li>Engine speed adjustment via potentiometer</li> <li>Auxiliary heating</li> </ul>	<ul style="list-style-type: none"> <li>Automatic working brake</li> </ul>	<ul style="list-style-type: none"> <li>Proportional control of supports by slide in joystick</li> </ul>
<b>Hydraulics:</b>	<b>Cab:</b>	<b>Undercarriage:</b>
<ul style="list-style-type: none"> <li>Hydraulic kit, to operate front and rear supports separately</li> <li>Hydraulic kit, to operate supports per axle separately</li> <li>Biodegradable oil</li> </ul>	<ul style="list-style-type: none"> <li>Cab protection guard</li> <li>Beacon light</li> <li>Heated driver's seat</li> <li>Radio/CD/MP3, front AUX in, USB</li> <li>Joystick steering</li> <li>Cab elevation</li> <li>Electric cooling box</li> </ul>	<ul style="list-style-type: none"> <li>Wide axles (overall width 2750 mm)</li> <li>Wide dozer blade (overall width 2750 mm)</li> <li>High-speed option 37 km/h</li> <li>Wheel cover</li> <li>Gear protection</li> </ul>
<ul style="list-style-type: none"> <li>270° camera system</li> </ul>		<b>Other special equipment:</b> See price list

### ATTACHMENTS (SELECTION)

	Bucket F415	Bucket F416	Bucket F417	Bucket F648
Capacity SAE	0.67 m <sup>3</sup>	0.82 m <sup>3</sup>	0.92 m <sup>3</sup>	1.12 m <sup>3</sup>
Cutting width	850 mm	1000 mm	1100 mm	1300 mm

# WORK AREAS 165Wsr

## Work Areas Monoblock boom 4.85 m (C6.4MG)






































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) and Stick 2.65 m (D6.3)

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		
		SDB front. raised					4237	4002	3816	3673		
	LATERAL 	SDB supported					4237	*3847	*3314	*2883		
		SDB raised					*3893	*3308	*2850	*2476		
+ 4.0 m	FRONT 	SDB rear. supported	8326	6748	5781	5123	4645	4284	4002	3778	3600	
		SDB front. raised	8326	6748	5781	5123	4645	4284	4002	3778	3600	
	LATERAL 	SDB supported	8326	6748	5781	5123	*4359	*3724	*3229	*2830	*2498	
		SDB raised	8326	6748	*5403	*4430	*3725	*3189	*2767	*2424	*2137	
+ 3.0 m	FRONT 	SDB rear. supported			6878	5851	5151	4641	4253	3947	3699	3492
		SDB front. raised			6878	5851	5151	4641	4253	3947	3699	*3364
	LATERAL 	SDB supported			*5894	*4881	*4134	*3563	*3112	*2746	*2442	*2182
		SDB raised			*4930	*4120	*3508	*3033	*2654	*2343	*2082	*1857
+ 2.0 m	FRONT 	SDB rear. supported			4581	6428	5579	4956	4481	4104	3796	3529
		SDB front. raised			4581	6428	5579	4956	4481	4104	*3696	*3318
	LATERAL 	SDB supported			4581	*4583	*3918	*3403	*2992	*2656	*2377	*2139
		SDB raised			*4524	*3834	*3300	*2878	*2537	*2255	*2019	*1815
+ 1.0 m	FRONT 	SDB rear. supported			4213	6609	5772	5119	4602	4182	3827	3508
		SDB front. raised			4213	6609	5772	5119	*4600	*4066	*3634	*3278
	LATERAL 	SDB supported			4213	*4399	*3764	*3278	*2893	*2580	*2320	*2102
		SDB raised			4213	*3658	*3151	*2757	*2441	*2181	*1963	*1779
+ 0 m	FRONT 	SDB rear. supported		3328	6213	6424	5687	5071	4558	4123	3736	3342
		SDB front. raised		3328	6213	6424	5687	5071	*4537	*4018	*3602	*3265
	LATERAL 	SDB supported		3328	*5265	*4339	*3692	*3211	*2836	*2536	*2291	*2089
		SDB raised		3328	*4333	*3601	*3082	*2692	*2386	*2138	*1934	*1767
- 1.0 m	FRONT 	SDB rear. supported		6606	6610	5944	5329	4782	4299	3857	3411	
		SDB front. raised		6606	6610	5944	5329	4782	4299	3857	3411	
	LATERAL 	SDB supported		6606	*5298	*4347	*3686	*3200	*2826	*2531	*2296	
		SDB raised		*5527	*4365	*3608	*3077	*2682	*2376	*2133	*1940	
- 2.0 m	FRONT 	SDB rear. supported	6508	6147	5666	5156	4659	4184	3718	3206		
		SDB front. raised	6508	6147	5666	5156	4659	4184	3718	3206		
	LATERAL 	SDB supported	6508	6147	*5375	*4404	*3729	*3236	*2862	*2575		
		SDB raised	6508	*5620	*4438	*3663	*3118	*2716	*2410	*2176		
- 3.0 m	FRONT 	SDB rear. supported	4706	4556	4273	3919	3514	3038				
		SDB front. raised	4706	4556	4273	3919	3514	3038				
	LATERAL 	SDB supported	4706	4556	4273	3919	3514	3038				
		SDB raised	4706	4556	4273	*3771	*3215	*2813				

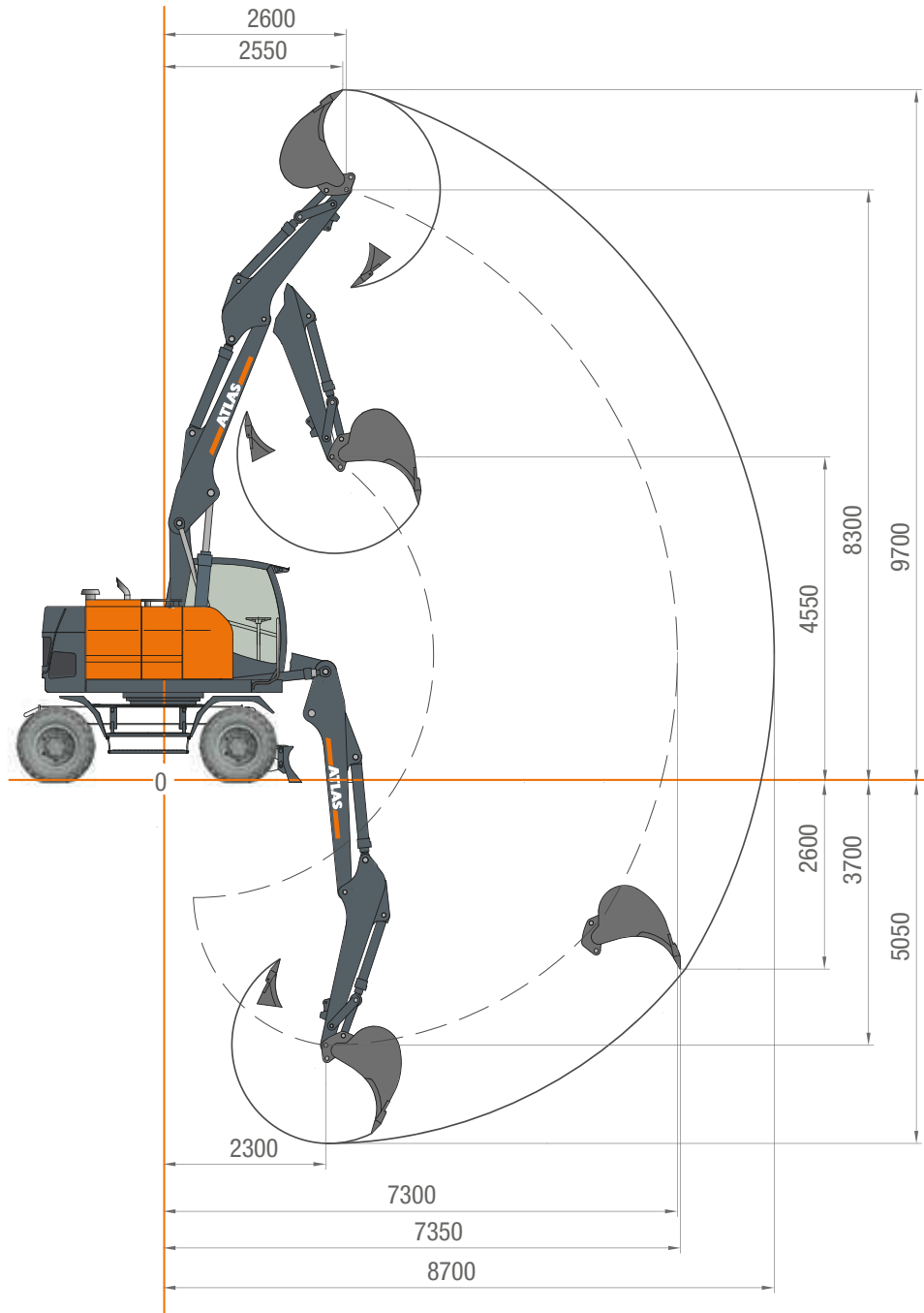
Lifting Capacities: Monoblock boom 4.85 m (C6.4MG) with Stick 2.65 m (D6.3). Max. Reach 9.30 m													
with optional 4.5t weight													
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 5.0 m	FRONT 	SDB rear. supported						3684	3534	3410	3313		
		SDB front. raised						3684	3534	3410	3313		
	LATERAL 	SDB supported						3684	*3374	*2936	*2573		
		SDB raised						*3379	*2907	*2526	*2208		
+ 4.0 m	FRONT 	SDB rear. supported			4663	4282	3985	3747	3553	3394	3264		
		SDB front. raised			4663	4282	3985	3747	3553	3394	3264		
	LATERAL 	SDB supported			4663	4282	*3791	*3278	*2868	*2504	*2244		
		SDB raised			*4556	*3812	*3252	*2813	*2460	*2167	*1917		
+ 3.0 m	FRONT 	SDB rear. supported	7562	6261	5414	4817	4372	4029	3755	3532	3345	3183	
		SDB front. raised	7562	6261	5414	4817	4372	4029	3755	3532	3345	*3040	
	LATERAL 	SDB supported	7562	*6098	*5004	*4213	*3616	*3148	*2771	*2459	*2197	*1968	
		SDB raised	*6389	*5121	*4235	*3582	*3083	*2687	*2365	*2098	*1871	*1672	
+ 2.0 m	FRONT 	SDB rear. supported		7226	6105	5321	4745	4305	3956	3672	3432	3217	
		SDB front. raised		7226	6105	5321	4745	4305	3956	3672	*3322	*3000	
	LATERAL 	SDB supported		*5606	*4664	*3968	*3434	*3010	*2666	*2380	*2139	*1930	
		SDB raised		*4655	*3910	*3346	*2906	*2553	*2263	*2021	*1814	*1635	
+ 1.0 m	FRONT 	SDB rear. supported	2704	6144	6484	5638	4996	4495	4094	3761	3475	3208	
		SDB front. raised	2704	6144	6484	5638	4996	4495	*4062	*3625	*3264	*2961	
	LATERAL 	SDB supported	2704	*5302	*4418	*3774	*3281	*2890	*2572	*2308	*2085	*1894	
		SDB raised	2704	*4366	*3674	*3159	*2759	*2437	*2172	*1950	*1761	*1599	
+ 0 m	FRONT 	SDB rear. supported	4142	6810	6488	5688	5052	4537	4111	3749	3423	3227	
		SDB front. raised	4142	6810	6488	5688	5052	4537	*4509	*3988	*3570	*3227	
	LATERAL 	SDB supported	4142	*5191	*4292	*3656	*3180	*2806	*2504	*2257	*2050	*1728	
		SDB raised	4142	*4260	*3553	*3045	*2660	*2355	*2106	*1900	*1728		
- 1.0 m	FRONT 	SDB rear. supported	6295	7016	6179	5478	4891	4395	3967	3579	3190		
		SDB front. raised	6295	7016	6179	5478	4891	4395	*3961	*3553	*3190		
	LATERAL 	SDB supported	6295	*5186	*4265	*3621	*3143	*2774	*2481	*2242	*2047		
		SDB raised	*5364	*4256	*3528	*3012	*2625	*2324	*2082	*1885	*1725		
- 2.0 m	FRONT 	SDB rear. supported	6983	6229	5562	4976	4461	3998	3563	3109			
		SDB front. raised	6983	6229	5562	4976	4461	3998	3563	3109			
	LATERAL 	SDB supported	*6702	*5241	*4298	*3640	*3157	*2786	*2496	*2267			
		SDB raised	*5445	*4308	*3559	*3031	*2638	*2336	*2098	*1910			
- 3.0 m	FRONT 	SDB rear. supported	6104	5571	5056	4565	4099	3647	3181				
		SDB front. raised	6104	5571	5056	4565	4099	3647	3181				
	LATERAL 	SDB supported	6104	5571	5056	*4385	*3713	*3222	*2853				
		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

**Work Areas** 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)

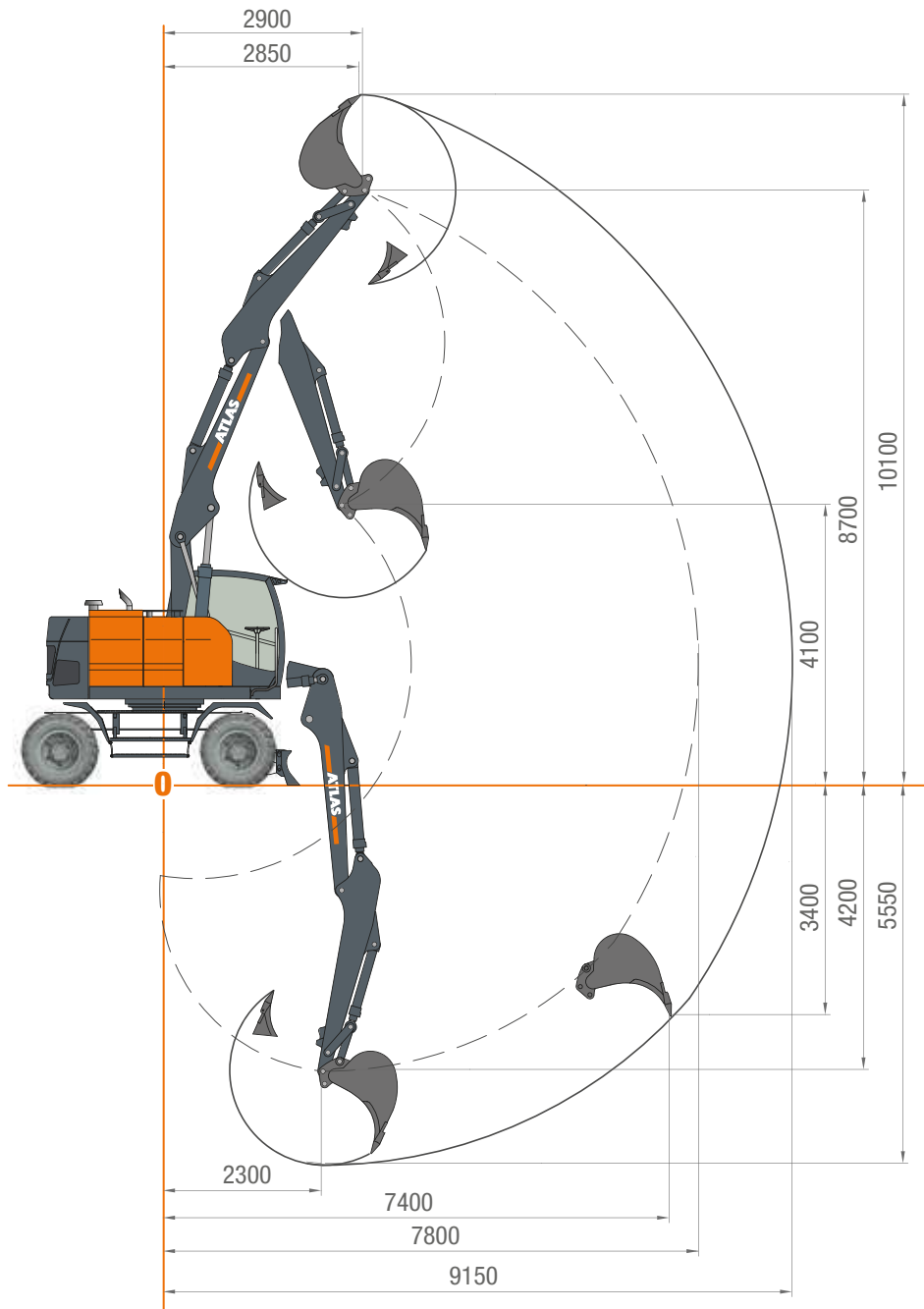
Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.15 m (D6.2). Max. Reach 8.70 m with optional 4.5t weight												
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m
+ 6.0 m	FRONT	SDB rear, supported				4494	4255	4069	3936			
		SDB front, raised				4494	4255	4069	3936			
	LATERAL	SDB supported				4494	4255	*3906	*3341			
		SDB raised				4494	*3996	*3416	*2874			
+ 5.0 m	FRONT	SDB rear, supported			5204	4768	4429	4160	3945	3776		
		SDB front, raised			5204	4768	4429	4160	3945	3776		
	LATERAL	SDB supported			5204	4768	4429	*3878	3384	*2917		
		SDB raised			5204	*4677	*3955	*3405	*2961	*2507		
+ 4.0 m	FRONT	SDB rear, supported	7987	6997	5995	5304	4798	4411	4107	3861	3662	
		SDB front, raised	7987	6997	5995	5304	4798	4411	4107	3861	3662	
	LATERAL	SDB supported	7987	6997	5995	*5217	*4418	3819	*3353	*2947	*2526	
		SDB raised	7987	*6871	*5498	*4557	*3876	*3359	*2951	*2536	*2163	
+ 3.0 m	FRONT	SDB rear, supported	7859	7640	6991	5964	5253	4729	4326	4004	3739	3509
		SDB front, raised	7859	7640	6991	5964	5253	4729	4326	4004	3739	*3369
	LATERAL	SDB supported	7859	7640	*6115	*5077	*4327	*3762	*3318	*2929	*2519	*2180
		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
		SDB front, raised	8198	7838	7393	6466	5624	4999	4516	4129	3728	*3339
	LATERAL	SDB supported	8198	*7516	*6019	5001	*4275	*3727	*3309	*2871	*2476	*2152
		SDB raised	8198	*6482	*5228	*4378	*3757	*3287	*2900	*2463	*2113	*1827
+ 1.0 m	FRONT	SDB rear, supported	9448	8603	7643	6583	5755	5109	4592	4167	3815	3512
		SDB front, raised	9448	8603	7643	6583	5755	5109	4590	*4117	*3736	*3292
	LATERAL	SDB supported	9448	*7535	*6005	4996	4275	*3747	*3251	*2781	*2408	*2109
		SDB raised	*8551	6485	*5227	*4394	*3762	*3237	*2786	*2374	*2047	*1784
+ 0 m	FRONT	SDB rear, supported	11048	9310	7737	6607	5766	5116	4600	4186	3841	3244
		SDB front, raised	11048	9310	7737	6607	5766	5116	4600	4166	*3659	3244
	LATERAL	SDB supported	*10225	*7627	*6054	*4993	*4227	*3642	*3105	*2677	*2338	*2077
		SDB raised	*8336	*6322	*5078	*4224	*3595	*3107	*2644	*2274	*1978	*1754
- 1.0 m	FRONT	SDB rear, supported	11891	9454	7837	6691	5841	5194	4702	4168	3421	3244
		SDB front, raised	11891	9454	7837	6691	5841	5194	*4699	*4088	3421	
	LATERAL	SDB supported	*10078	*7427	*5872	*4843	*4106	*3470	*2976	*2594	*2299	
		SDB raised	*8122	*6123	*4906	*4080	*3479	*2940	*2519	*2192	*1940	
- 2.0 m	FRONT	SDB rear, supported	12175	9707	8088	6914	5959	5104	4241	3104		
		SDB front, raised	12175	9707	8088	6914	5959	5104	4241	3104		
	LATERAL	SDB supported	*10013	*7352	*5803	*4716	*3929	*3349	*2911	*2573		
		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			
		SDB front, raised				4494	4255	4069	3936			
	LATERAL	SDB supported				4494	4255	4069	*3934			
		SDB raised				4494	4255	*4016	*3452			
+ 5.0 m	FRONT	SDB rear, supported			5204	4768	4429	4160	3945	3776		
		SDB front, raised			5204	4768	4429	4160	3945	3776		
	LATERAL	SDB supported			5204	4768	4429	4160	*3918	*3457		
		SDB raised			5204	4768	4429	3984	*3479	*3019		
+ 4.0 m	FRONT	SDB rear, supported	7987	6997	5995	5304	4798	4411	4107	3861	3662	
		SDB front, raised	7987	6997	5995	5304	4798	4411	4107	3861	3662	
	LATERAL	SDB supported	7987	6997	5995	5304	4798	4411	*3874	*3439	*3012	
		SDB raised	7987	6997	5995	5304	*4534	*3920	*3448	*3048	*2621	
+ 3.0 m	FRONT	SDB rear, supported	7859	7640	6991	5964	5253	4729	4326	4004	3739	3509
		SDB front, raised	7859	7640	6991	5964	5253	4729	4326	4004	3739	3509
	LATERAL	SDB supported	7859	7640	6991	*5890	*5003	4343	*3825	*3415	*3005	*2618
		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
		SDB front, raised	8198	7838	7393	6466	5624	4999	4516	4129	3807	*3519
	LATERAL	SDB supported	8198	7838	*6983	*5789	*4933	*4295	*3797	*3415	*2960	*2590
		SDB raised	8198	*7664	*6147	*5120	*4382	*3828	*3396	*2973	*2570	*2241
+ 1.0 m	FRONT	SDB rear, supported	9448	8603	7643	6583	5755	5109	4592	4167	3815	3512
		SDB front, raised	9448	8603	7643	6583	5755	5109	4592	4167	3815	*3503
	LATERAL	SDB supported	9448	8603	*6971	*5772	*4922	*4294	3819	*3322	*2891	*2545
		SDB raised	9448	*7677	*6140	*5117	*4383	3840	*3361	*2883	*2503	*2197
+ 0 m	FRONT	SDB rear, supported	11048	9310	7737	6607	5766	5116	4600	4186	3841	3244
		SDB front, raised	11048	9310	7737	6607	5766	5116	4600	4186	3841	3244
	LATERAL	SDB supported	11048	8887	*7038	5827	*4981	*4349	*3717	*3217	*2819	*2513
		SDB raised	*10371	*7777	*6213	*5143	*4362	*3764	*3217	*2780	*2433	*2166
- 1.0 m	FRONT	SDB rear, supported	11891	9454	7837	6691	5841	5194	4702	4168	3421	3244
		SDB front, raised	11891	9454	7837	6691	5841	5194	4702	4168	3421	
	LATERAL	SDB supported	11891	*9057	*7137	*5845	*4934	*4172	*3585	*3131	*2780	
		SDB raised	*10278	*7617	*6042	*4994	*4242	*3593	*3088	*2697	*2394	
- 2.0 m	FRONT	SDB rear, supported	12175	9707	8088	6914	5959	5104	4241	3104		
		SDB front, raised	12175	9707	8088	6914	5959	5104	4241	3104		
	LATERAL	SDB supported	12175	*9050	*7064	*5713	*4751	*4048	*3519	3104		
		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

**Work Areas** 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)

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						3884	3733	3612	3522			
							3884	3733	3612	3522			
	LATERAL						3884	3733	3427	*2965			
							3884	*3465	*3000	*2553			
+ 5.0 m	FRONT					4342	4077	3859	3679	3529	3407		
						4342	4077	3859	3679	3529	3407		
	LATERAL					4342	4077	3859	*3406	*3000	*2603		
						4342	*3992	*3431	2993	*2623	*2237		
+ 4.0 m	FRONT		5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
			5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
	LATERAL		5186	5521	5421	4874	*4451	*3832	*3357	*2974	*2627	*2266	
			5186	5521	5421	*4594	*3898	*3365	*2953	*2617	*2260	*1937	
+ 3.0 m	FRONT		7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
			7987	7734	6428	5563	4946	4483	4121	3831	3590	3374	*3039
	LATERAL		7987	*7727	*6158	*5094	*4334	*3756	*3302	2944	*2610	*2258	*1962
			7987	*6664	5350	4452	*3800	*3298	*2908	*2597	*2244	*1929	*1664
+ 2.0 m	FRONT		8169	7911	7295	6182	5396	4812	4361	4001	3703	3448	3212
			8169	7911	7295	6182	5396	4812	4361	4001	*3693	*3354	*3013
	LATERAL		8169	*7494	*5991	*4977	*4246	3698	*3267	*2930	*2560	*2218	*1938
			8169	*6457	5211	*4351	*3727	*3254	2885	*2566	*2194	*1890	*1640
+ 1.0 m	FRONT		8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	3203
			8952	8301	7523	6490	5654	5013	4509	4072	*3676	*3349	*2969
	LATERAL		8952	7440	5941	4934	*4219	*3679	*3269	*2876	*2479	*2158	*1897
			*8432	*6403	*5161	*4314	*3701	*3244	*2859	*2466	*2115	*1832	*1600
+ 0 m	FRONT		10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
			10317	9015	7611	6506	5680	5039	4526	4075	*3714	*3278	*2936
	LATERAL		*10035	7492	*5969	*4965	*4251	*3676	*3205	*2748	*2384	*2092	*1866
			*8470	*6418	*5148	*4275	*3633	*3138	*2741	*2341	*2023	*1767	*1570
- 1.0 m	FRONT		11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
			11530	9270	7686	6561	5723	5077	4568	*4129	*3623	3197	
	LATERAL		*10102	*7452	*5892	*4857	*4116	*3554	*3036	*2627	*2300	*2050	
			*8140	*6143	*4922	*4092	*3486	*3020	*2576	*2223	*1941	*1725	
- 2.0 m	FRONT		11882	9455	7843	6703	5878	5234	4618	3960	3095		
			11882	9455	7843	6703	5878	5234	4618	3960	3095		
	LATERAL		*9948	*7309	*5767	*4753	*3987	*3376	*2908	*2549	*2269		
			*7999	*6009	*4803	*3991	*3362	*2848	*2452	*2147	*1911		

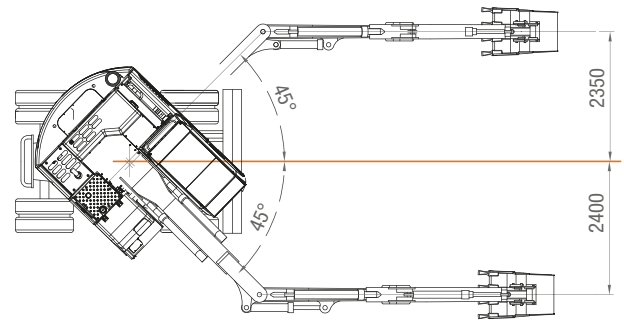
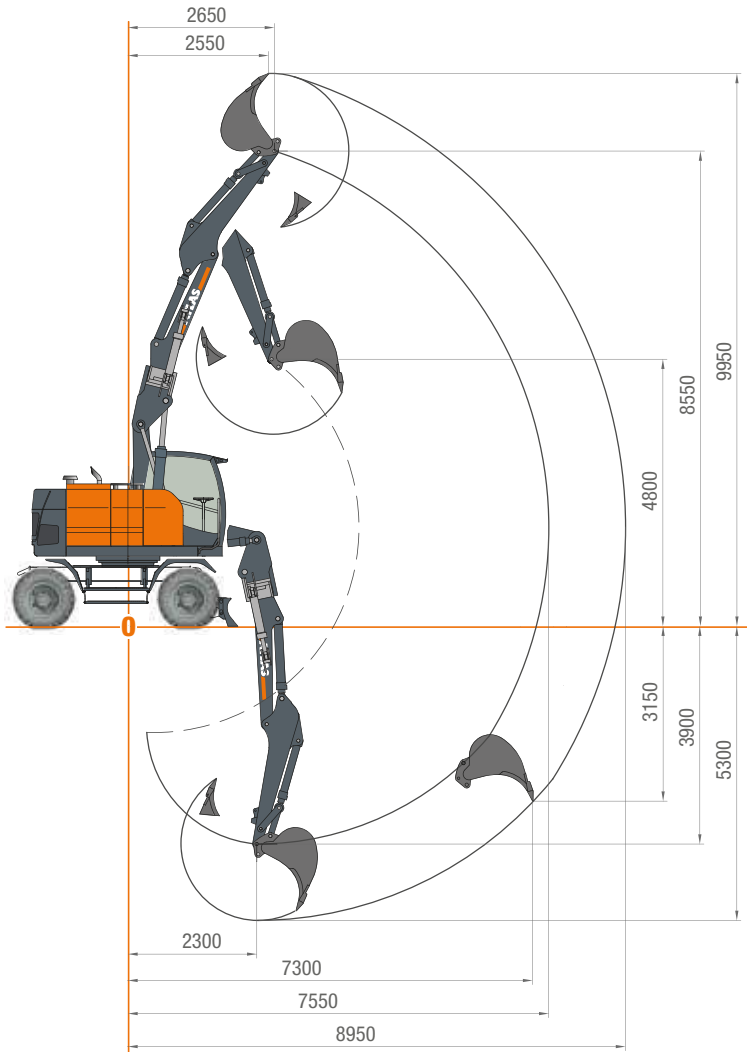
## Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.65 m (D6.3). Max. Reach 9.20 m with optional 4.5t weight (wide axle in combination dozer blade 2.75m)

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	(wide axle in combination dozer blade 2.75m) 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						3884	3733	3612	3522			
							3884	3733	3612	3522			
	LATERAL						3884	3733	3612	*3486			
							3884	3733	*3525	*3066			
+ 5.0 m	FRONT					4342	4077	3859	3679	3529	3407		
						4342	4077	3859	3679	3529	3407		
	LATERAL					4342	4077	3859	3679	*3475	3090		
						4342	4077	3859	*3500	*3087	*2697		
+ 4.0 m	FRONT		5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
			5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
	LATERAL		5186	5521	5421	4874	4458	4132	3869	*3437	*3076	*2706	
			5186	5521	5421	4874	4458	*3938	*3451	*3061	*2721	*2354	
+ 3.0 m	FRONT		7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
			7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
	LATERAL		7987	7734	6428	5563	4946	*4340	*3817	*3396	3055	*2698	*2362
			7987	7734	*6287	*5217	*4440	*3857	3395	3028	*2704	*2346	*2044
+ 2.0 m	FRONT		8169	7911	7295	6182	5396	4812	4361	4001	3703	3448	3212
			8169	7911	7295	6182	5396	4812	4361	4001	3703	3448	3201
	LATERAL		8169	7911	*6956	5767	4915	*4267	*3767	*3366	*3047	*2657	*2338
			8169	*7639	6128	5097	*4357	*3797	3359	*3010	*2654	*2306	*2020
+ 1.0 m	FRONT		8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	3203
			8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	*3162
	LATERAL		8952	8301	6897	*5715	*4868	*4235	*3751	*3373	*2964	*2596	*2296
			8952	*7583	6069	*5052	*4326	3779	*3356	*2978	*2573	*2246	*1979
+ 0 m	FRONT		10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
			10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
	LATERAL		10317	*8729	6924	*5729	4889	*4264	3810	*3290	*2868	*2529	*2264
			*10179	*7634	*6107	*5084	*4356	*3797	*3316	*2850	*2479	*2181	*1948
- 1.0 m	FRONT		11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
			11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
	LATERAL		11530	*8868	7039	5838	*4945	*4260	*3648	*3166	*2783	*2486	
			*10301	*7640	*6061	*5008	*4251	*3676	*3148	*2730	*2396	*2138	
- 2.0 m	FRONT		11882	9455	7843	6703	5878	5234	4618	3960	3095		
			11882	9455	7843	6703	5878	5234	4618	3960	3095		
	LATERAL		11882	*9007	*7029	*5753	*4813	*4076	*3517	*3086	*2751		
			*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

**Work Areas** Adjustable Boom 1.95 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 1.95 m (C6.41) and boom 3.35 m (C6.47).

# LIFTING CAPACITIES 165Wsr

## Lifting Capacities Adjustable Boom, Base arm 1.95 m (C6.41) and Boom 3.35 m (C6.47) with Stick 2.65 m (D6.3)

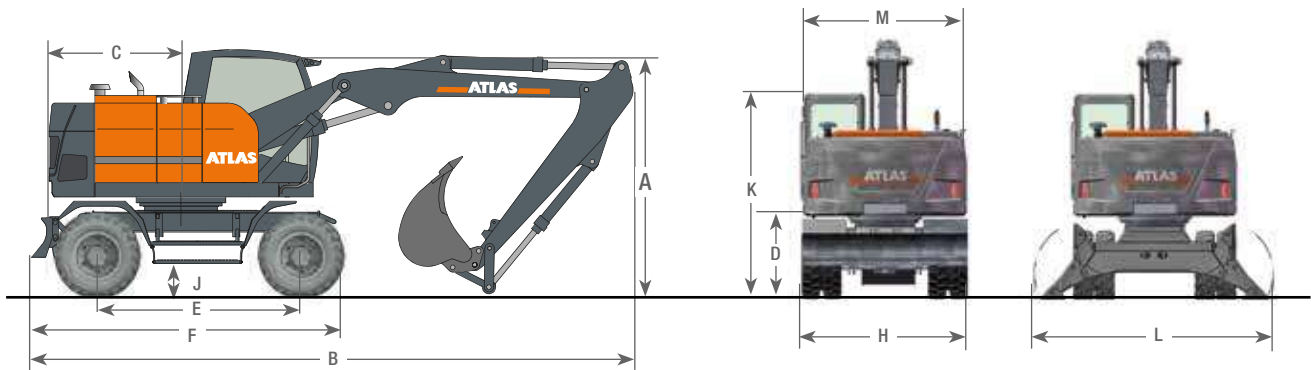
Lifting Capacities: Adjustable Boom, Base arm 1.95 m (C6.41) and boom 3.35 m (C6.47) with Stick 2.65 m (D6.3). Max. reach 8.95 m  
with optional 4.5t weight

Height	Undercarriage type		with optional 4.5t weight										
			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	3578	3294	*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.

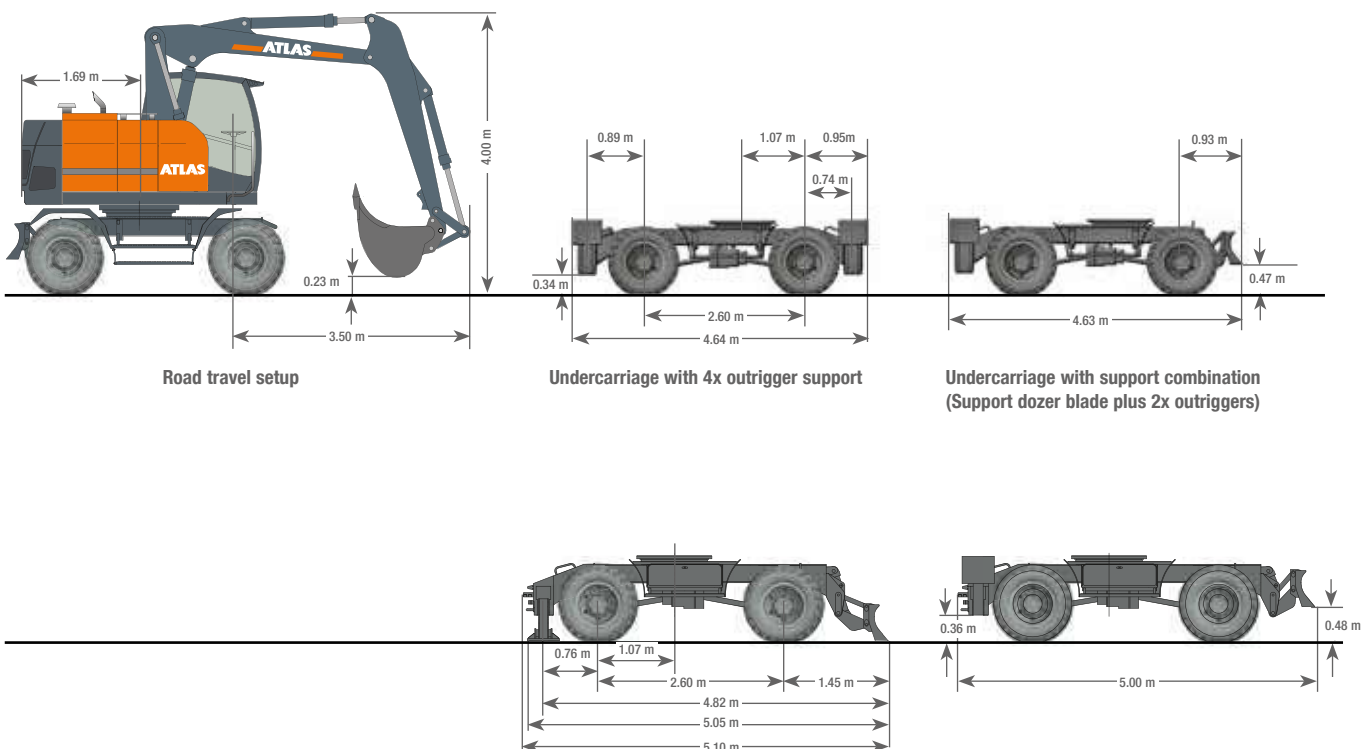
# DIMENSIONS 165Wsr

## Dimensions



<b>A</b>	<b>TRANSPORT HEIGHT (with bucket)</b>		
	Adjustable boom* with Stick 2.15 m.....	3.14 m	<b>C</b> TAIL SWING RADIUS.....1.69 m
	Adjustable boom* with Stick 2.65 m.....	3.14 m	<b>D</b> CLEARANCE UNDER COUNTERWEIGHT .....1.26 m
	Monoblock boom 4.85 m with Stick 2.15 m .....	3.14 m	<b>E</b> WHEEL BASE .....2.60 m
	Monoblock boom 4.85 m with Stick 2.65 m .....	3.14 m	<b>F</b> UNDERCARRIAGE LENGTH .....4.00 m
<b>B</b>	<b>TRANSPORT LENGTH</b>		<b>H</b> DOZER BLADE WIDTH .....2.54 m
	Adjustable boom* with Stick 2.15 m.....	7.69 m	<b>J</b> GROUND CLEARANCE.....0.45 m
	Adjustable boom* with Stick 2.65 m.....	8.20 m	<b>K</b> OVERALL HEIGHT OF CAB .....3.15 m
	Monoblock boom 4.85 m with Stick 2.15 m .....	7.60 m	<b>L</b> OUTRIGGERS WIDTH (extended).....3.50 m
	Monoblock boom 4.85 m with Stick 2.65 m .....	7,60 m	<b>M</b> OVERALL WIDTH OF SUPERSTRUCTURE.....2.50 m

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





165Wsr-EN (1) Effective date: 03/2019. 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 © 2019 Atlas GmbH. Ref. no.: 6203387

### WERK GANDERKESEE

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)



### WERK VECHTA

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)



### WERK DELMENHORST

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)



[www.atlasgmbh.com](http://www.atlasgmbh.com)



**ATLAS GmbH**  
EXCAVATORS  
Atlasstraße 6  
D-27777 Ganderkesee, Germany  
T: +49 (0) 4222 954 0  
Fax: +49 (0) 4222 954 220  
[info@atlasgmbh.com](mailto:info@atlasgmbh.com)