



ATLAS

SINCE 1919

-  16.2 t - 18.5 t
-  105 kW (143 HP)
Stage V
-  0.7 - 1.1 m³

**STABLE.
STRONG.
STEADY.**



WHEELED EXCAVATOR 165W_{SR} *blue*

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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 L4 EU Stage V	Cooling system	Water-cooled		
Design	Turbocharger	Air filter	Dry air filter		
Displacement	4038 cm ³	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 pressure350 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

• Swing torque

TRACTION DRIVE AND BRAKES

• Variable displacement motor	Automotive drive and cruise control:	• Tractive force	87 kN
• Power-shift transmission	• Maximum speed	• Max. gradeability	60 %
• Double-acting brake valve	• Terrain speed	• Dual circuit brake system	Multi-disc
• Driving direction pre-selection via buttons in joystick	• Crawling speed	• Parking brake	Multi-disc
	• High-speed option	• 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	CONTROL:	CLIMATE CONTROL:
• 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		SOUND LEVELS:
	MONITORING:	• ISO 6396 (L _{pA}) in driver's cab72 dB(A)
DRIVER'S SEAT:	• Operating data appears display	• 2000/14 EG (L _{wA}) ambience level97 dB(A)
• Air cushioned comfort seat with 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)

• Wheel excavator 165Wsr with support and dozerblade (SDB) and 2 lifting cylinders (A 5.2)	STANDARD EQUIPMENT:	• Seat adjustable separately from console
• Wheel excavator 165Wsr with quadruple claw support and 2 lifting cylinders (A 5.32)	Engine:	• Heat-absorbing glass, tinted windows
• Wheel excavator 165Wsr with blade on rigid axle, 2 outriggers on steering axle and 2 lifting cylinders (A 5.33)	• Automatic idle	• Rear view security camera and side camera at right side
• Wheel excavator 165Wsr with blade on steering axle, 2 outriggers on rigid axle and 2 lifting cylinders (A 5.35)	• Diesel pre-filter	• Right side camera
* SDB = support and dozer blade	• Engine monitoring	• Automotive drive and cruise control
	• Cold start assistance	• Operating data display screen

BOOM:

• Monoblock boom with stick cylinder 4.85 m (C6.4MG)	Hydraulics:	• Ready for electric cooling box
• 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	• Proportional grab/grab rotating function	• Different options for storage, compartment for documents

	• Accumulator for emergency lowering of the arm system
	• Pipe break protection valves for lifting and articulated cylinders

STICKS:

• Stick 2.15 m (D6.2)	• Max. load-limit control	EQUIPMENT:
• Stick 2.65 m (D6.3)	• Cylinder end-position damping	• Joint bearings in stick and bucket cylinders

BUCKET TIPPING CYLINDER:

• Bucket tipping cylinder with bucket linkage (F 6.1)	Cab:	UNDERCARRIAGE:
	• Air conditioning with climatronic	• Power-shift transmission
	• Preparation for radio installation with mute function	• Wet disc brakes
	• Slim steering column, height and tilt adjustable	• Tool box in the undercarriage

ADDITIONAL EQUIPMENT

Engine:	Equipment:	• LED working-lights
• Refueling pump	• Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment	• GPS/GSM telemetric system for monitoring of operating data, consumption, position
• Engine speed adjustment via potentiometer	• Automatic working brake	• Proportional control of supports by slide in joystick
• Auxiliary heating		
Hydraulics:	Cab:	Undercarriage:
• Hydraulic kit, to operate front and rear supports separately	• Cab protection guard	• Wide axles (overall width 2750 mm)
• Hydraulic kit, to operate supports per axle separately	• Beacon light	• Wide dozer blade (overall width 2750 mm)
• Biodegradable oil	• Radio/CD/MP3, front AUX in, USB	• High-speed option 37 km/h
• 270° camera system	• Joystick steering	• Wheel cover
	• Cab elevation	• Gear protection
	• Electric cooling box	Other special equipment: See price list

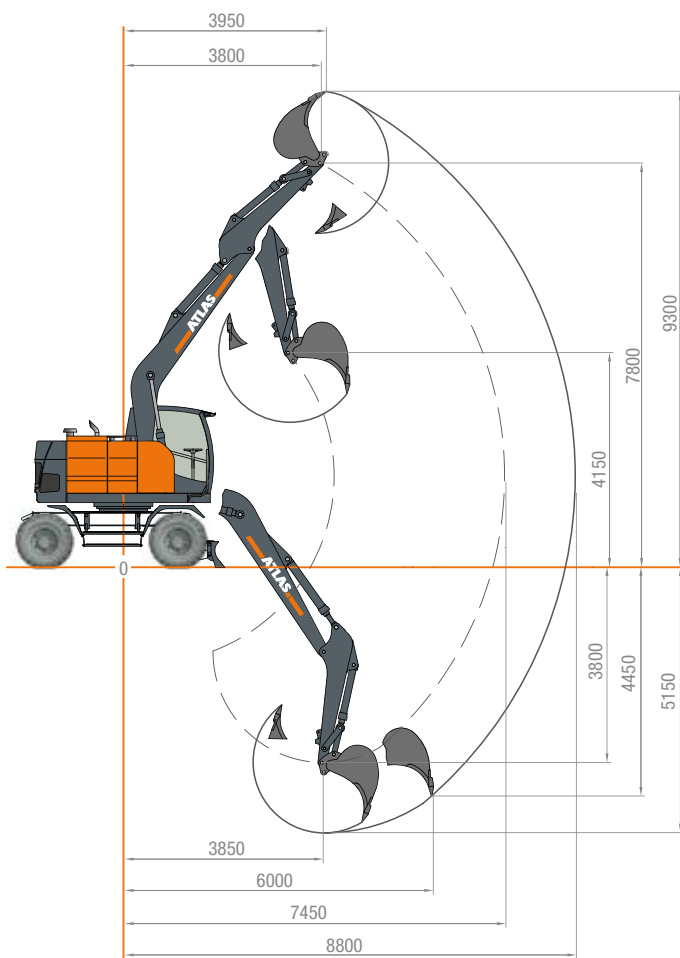
ATTACHMENTS (SELECTION)

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

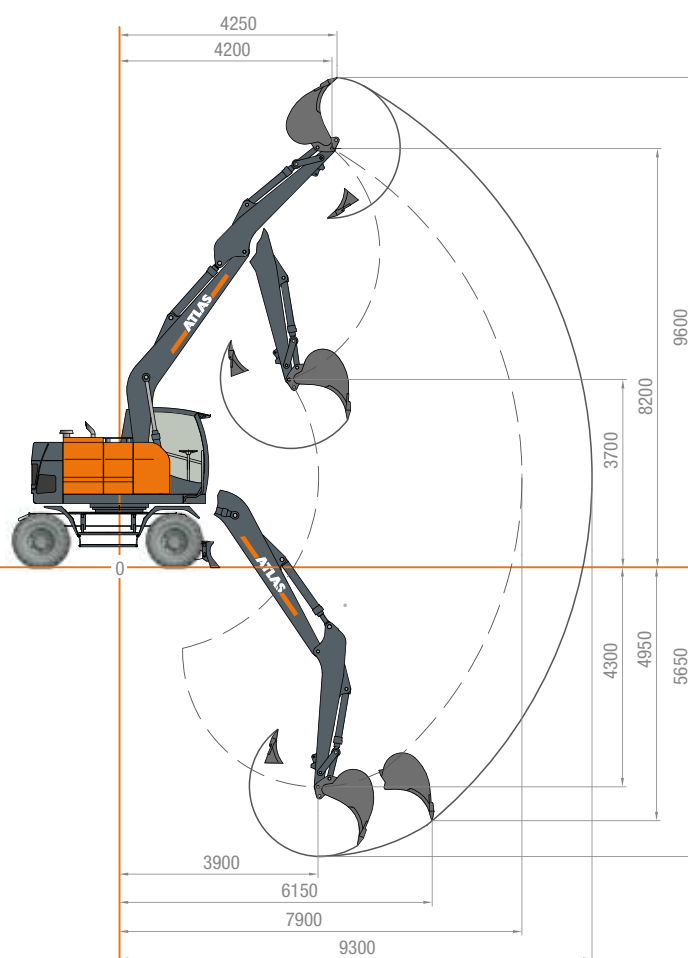
WORK AREAS 165Wsr

Work Areas 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) 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
			SDB front. raised			6878	5851	5151	4641	4253	3947	3699
	LATERAL		SDB supported			*5894	*4881	*4134	*3563	*3112	*2746	*2442
			SDB raised			*4930	*4120	*3508	*3033	*2654	*2343	*2082
+ 2.0 m	FRONT		SDB rear. supported			4581	6428	5579	4956	4481	4104	3796
			SDB front. raised			4581	6428	5579	4956	4481	4104	3796
	LATERAL		SDB supported			4581	*4583	*3918	*3403	*2992	*2656	*2377
			SDB raised			*4524	*3834	*3300	*2878	*2537	*2255	*2019
+ 1.0 m	FRONT		SDB rear. supported			4213	6609	5772	5119	4602	4182	3827
			SDB front. raised			4213	6609	5772	5119	*4600	*4066	*3634
	LATERAL		SDB supported			4213	*4399	*3764	*3278	*2893	*2580	*2320
			SDB raised			4213	*3658	*3151	*2757	*2441	*2181	*1963
+ 0 m	FRONT		SDB rear. supported		3328	6213	6424	5687	5071	4558	4123	3736
			SDB front. raised		3328	6213	6424	5687	5071	*4537	*4018	*3602
	LATERAL		SDB supported		3328	*5265	*4339	*3692	*3211	*2836	*2536	*2291
			SDB raised		3328	*4333	*3601	*3082	*2692	*2386	*2138	*1934
- 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			

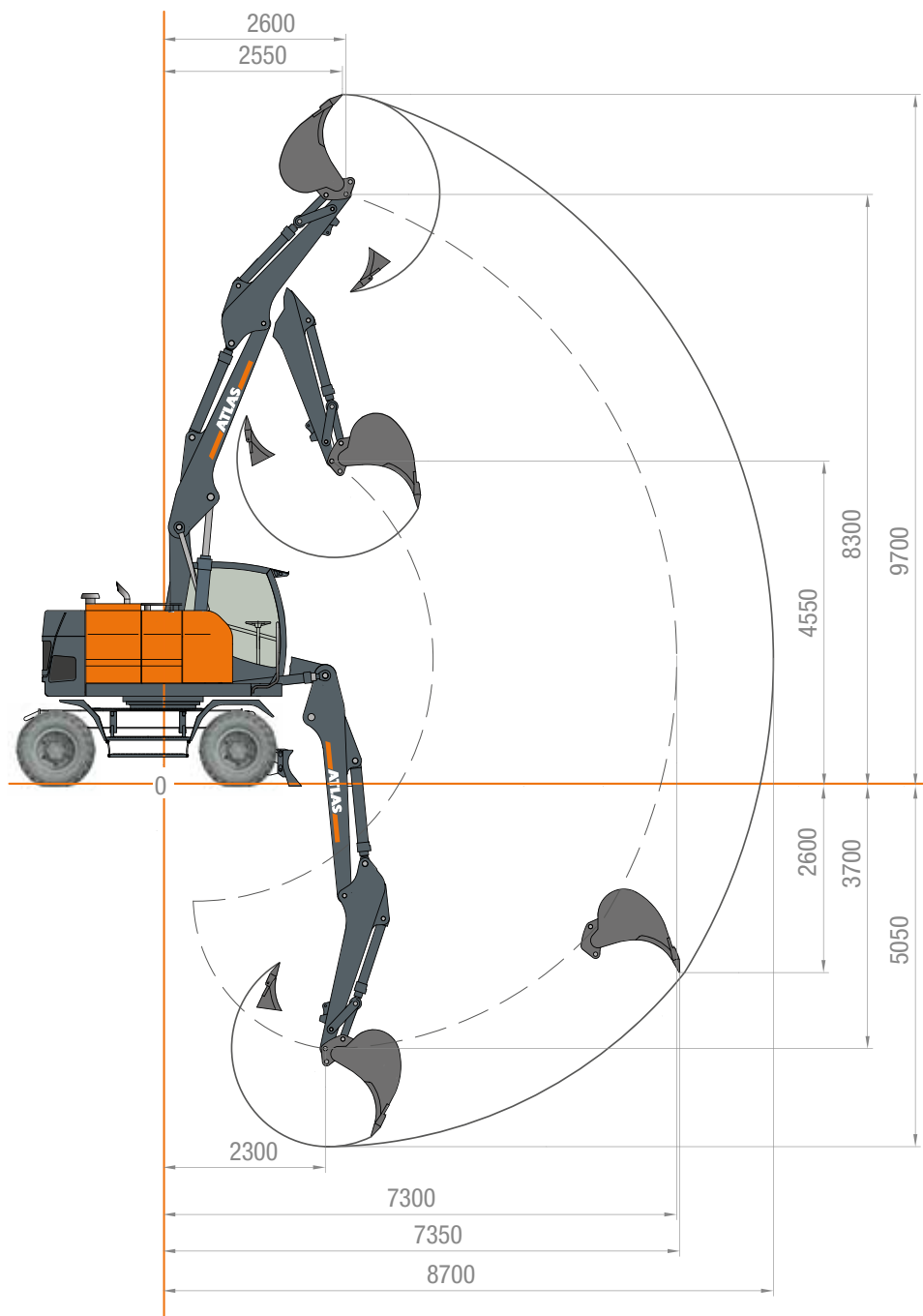
Lifting Capacities: Monoblock boom 4.85 m (C6.4MG) with Stick 2.65 m (D6.3). Max. Reach 9.30 m													
with optional 4.5t weight													
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 5.0 m	FRONT		SDB rear, supported					3684	3534	3410	3313		
			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	*2530	*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	3432	*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	
			SDB front, raised	4142	6810	6488	5688	5052	*4509	*3988	*3570	*3227	
	LATERAL		SDB supported	4142	*5191	*4292	*3656	*3180	*2806	*2504	*2257	*2050	
			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	*2480	*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			

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	*2530	*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		
			SDB front, raised		4142	6810	6488	5688	5052	*4509	*3988	*3570	*3227		
	LATERAL		SDB supported		4142	*5191	*4292	*3656	*3180	*2806	*2504	*2257	*2050		
			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	*2480	*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	*4374	*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	
			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		

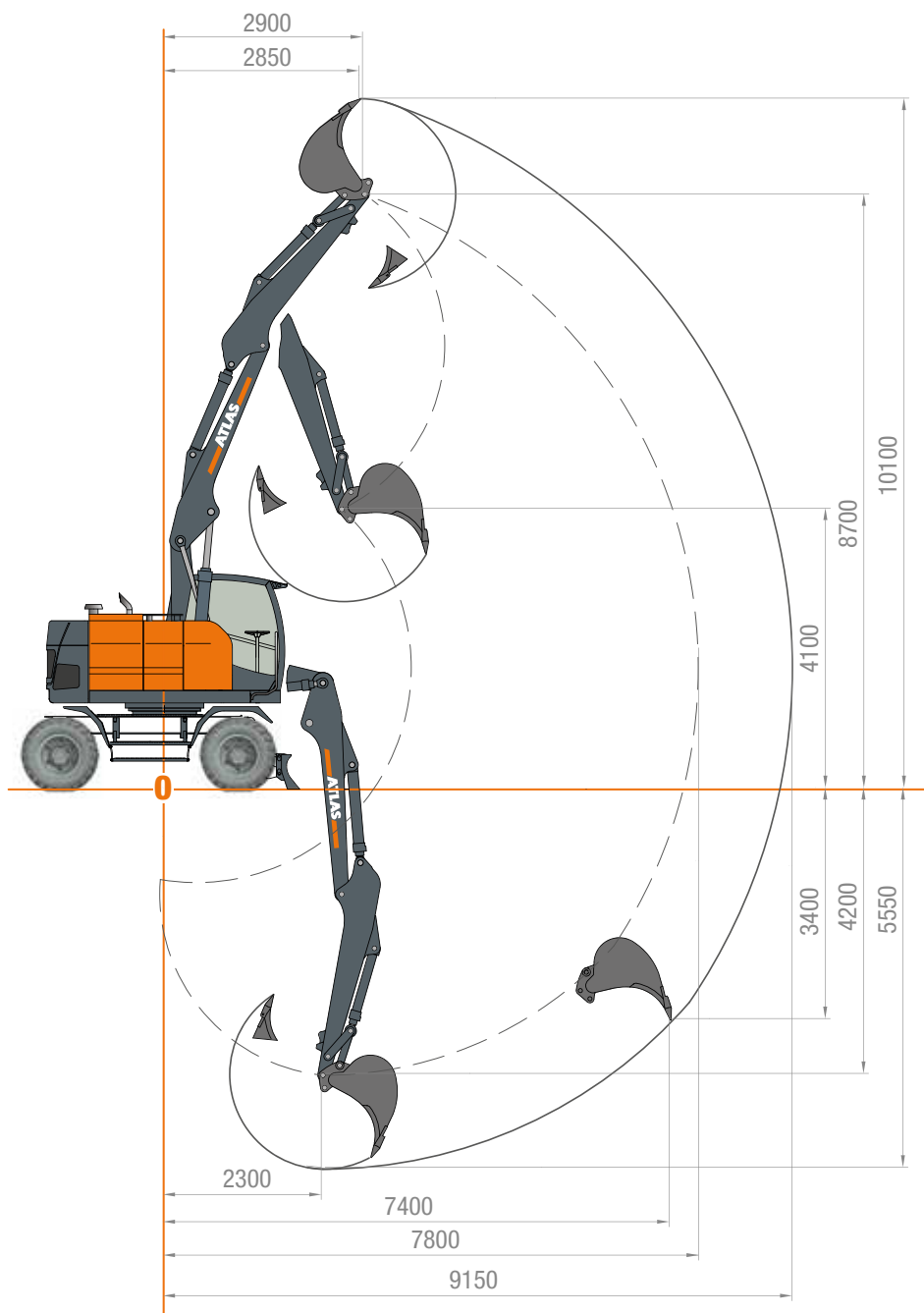
Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.15 m (D6.2). Max. Reach 8.70 m with optional 4.5t weight (wide axle in combination dozer blade 2.75m)													
Height	Undercarriage type			2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m
+ 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	
			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 kilograms (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

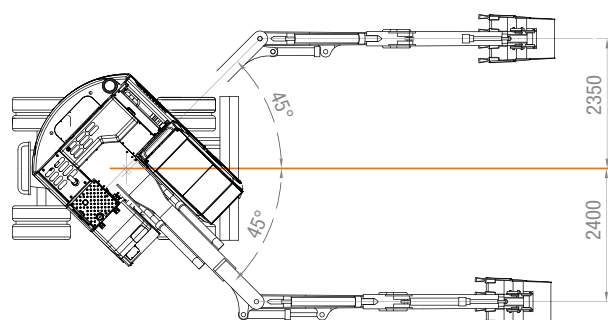
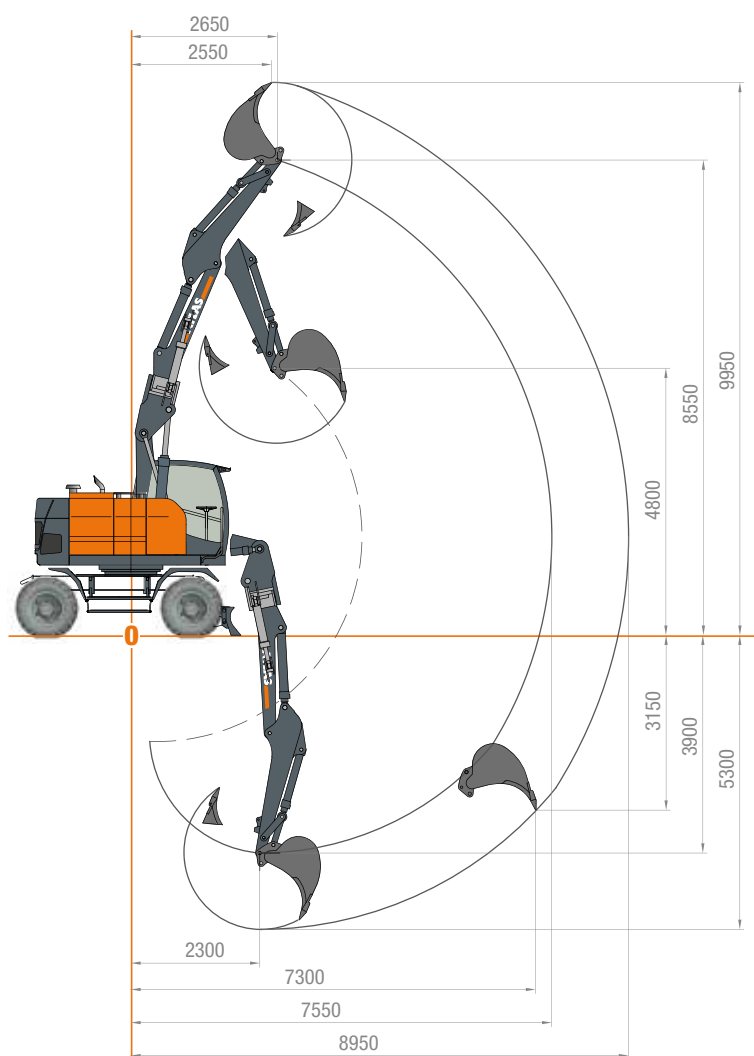
Lifting Capacities Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.10 m (C6.46) with Stick 2.65 m (D6.3)

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		SDB rear, supported					3884	3733	3612	3522			
			SDB front, raised					3884	3733	3612	3522			
	LATERAL		SDB supported					3884	3733	3427	*2965			
			SDB raised					3884	*3465	*3000	*2553			
+ 5.0 m	FRONT		SDB rear, supported				4342	4077	3859	3679	3529	3407		
			SDB front, raised				4342	4077	3859	3679	3529	3407		
	LATERAL		SDB supported				4342	4077	3859	*3406	*3000	*2603		
			SDB raised				4342	*3992	*3431	2993	*2623	*2237		
+ 4.0 m	FRONT		SDB rear, supported	5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
			SDB front, raised	5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
	LATERAL		SDB supported	5186	5521	5421	4874	*4451	*3832	*3357	*2974	*2627	*2266	
			SDB raised	5186	5521	5421	*4594	*3898	*3365	*2953	*2617	*2260	*1937	
+ 3.0 m	FRONT		SDB rear, supported	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
			SDB front, raised	7987	7734	6428	5563	4946	4483	4121	3831	3590	*3374	*3039
	LATERAL		SDB supported	7987	*7727	*6158	*5094	*4334	*3756	*3302	2944	*2610	*2258	*1962
			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	3703	3448	3212
			SDB front, raised	8169	7911	7295	6182	5396	4812	4361	4001	*3693	*3354	*3013
	LATERAL		SDB supported	8169	*7494	*5991	*4977	*4246	3698	*3267	*2930	*2560	*2218	*1938
			SDB raised	8169	*6457	5211	*4351	*3727	*3254	2885	*2566	*2194	*1890	*1640
+ 1.0 m	FRONT		SDB rear, supported	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	3203
			SDB front, raised	8952	8301	7523	6490	5654	5013	4509	4072	*3676	*3349	*2969
	LATERAL		SDB supported	8952	7440	5941	4934	*4219	*3679	*3269	*2876	*2479	*2158	*1897
			SDB raised	*8432	*6403	*5161	*4314	*3701	*3244	*2859	*2466	*2115	*1832	*1600
+ 0 m	FRONT		SDB rear, supported	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
			SDB front, raised	10317	9015	7611	6506	5680	5039	4526	4075	*3714	*3278	*2936
	LATERAL		SDB supported	*10035	7492	*5969	*4965	*4251	*3676	*3205	*2748	*2384	*2092	*1866
			SDB raised	*8470	*6418	*5148	*4275	*3633	*3138	*2741	*2341	*2023	*1767	*1570
- 1.0 m	FRONT		SDB rear, supported	11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
			SDB front, raised	11530	9270	7686	6561	5723	5077	4568	*4129	*3623	3197	
	LATERAL		SDB supported	*10102	*7452	*5892	*4857	*4116	*3554	*3036	*2627	*2300	*2050	
			SDB raised	*8140	*6143	*4922	*4092	*3486	*3020	*2576	*2223	*1941	*1725	
- 2.0 m	FRONT		SDB rear, supported	11882	9455	7843	6703	5878	5234	4618	3960	3095		
			SDB front, raised	11882	9455	7843	6703	5878	5234	4618	3960	3095		
	LATERAL		SDB supported	*9948	*7309	*5767	*4753	*3987	*3376	*2908	*2549	*2269		
			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	(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		SDB rear, supported					3884	3733	3612	3522			
			SDB front, raised					3884	3733	3612	3522			
	LATERAL		SDB supported					3884	3733	3612	*3486			
			SDB raised					3884	3733	*3525	*3066			
+ 5.0 m	FRONT		SDB rear, supported				4342	4077	3859	3679	3529	3407		
			SDB front, raised				4342	4077	3859	3679	3529	3407		
	LATERAL		SDB supported				4342	4077	3859	3679	*3475	3090		
			SDB raised				4342	4077	3859	*3500	*3087	*2697		
+ 4.0 m	FRONT		SDB rear, supported	5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
			SDB front, raised	5186	5521	5421	4874	4458	4132	3869	3653	3474	3322	
	LATERAL		SDB supported	5186	5521	5421	4874	4458	4132	3869	*3437	*3076	*2706	
			SDB raised	5186	5521	5421	4874	4458	*3938	*3451	*3061	*2721	*2354	
+ 3.0 m	FRONT		SDB rear, supported	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
			SDB front, raised	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386	3201
	LATERAL		SDB supported	7987	7734	6428	5563	4946	*4340	*3817	*3396	3055	*2698	*2362
			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	3212
			SDB front, raised	8169	7911	7295	6182	5396	4812	4361	4001	3703	3448	3201
	LATERAL		SDB supported	8169	7911	*6956	5767	4915	*4267	*3767	*3366	*3047	*2657	*2338
			SDB raised	8169	*7639	6128	5097	*4357	*3797	3359	*3010	*2654	*2306	*2020
+ 1.0 m	FRONT		SDB rear, supported	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	3203
			SDB front, raised	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461	*3162
	LATERAL		SDB supported	8952	8301	6897	*5715	*4868	*4235	*3751	*3373	*2964	*2596	*2296
			SDB raised	8952	*7583	6069	*5052	*4326	3779	*3356	*2978	*2573	*2246	*1979
+ 0 m	FRONT		SDB rear, supported	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
			SDB front, raised	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484	2988
	LATERAL		SDB supported	10317	*8729	6924	*5729	4889	*4264	3810	*3290	*2868	*2529	*2264
			SDB raised	*10179	*7634	*6107	*5084	*4356	*3797	*3316	*2850	*2479	*2181	*1948
- 1.0 m	FRONT		SDB rear, supported	11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
			SDB front, raised	11530	9270	7686	6561	5723	5077	4568	4178	3784	3197	
	LATERAL		SDB supported	11530	*8868	7039	5838	*4945	*4260	*3648	*3166	*2783	*2486	
			SDB raised	*10301	*7640	*6061	*5008	*4251	*3676	*3148	*2730	*2396	*2138	
- 2.0 m	FRONT		SDB rear, supported	11882	9455	7843	6703	5878	5234	4618	3960	3095		
			SDB front, raised	11882	9455	7843	6703	5878	5234	4618	3960	3095		
	LATERAL		SDB supported	11882	*9007	*7029	*5753	*4813	*4076	*3517	*3086	*2751		
			SDB raised	*10150	*7500	*5937	*4904	*4123	*3499	*3021	*2652	*2365		

WORK AREAS 165Wsr

Work Areas 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)

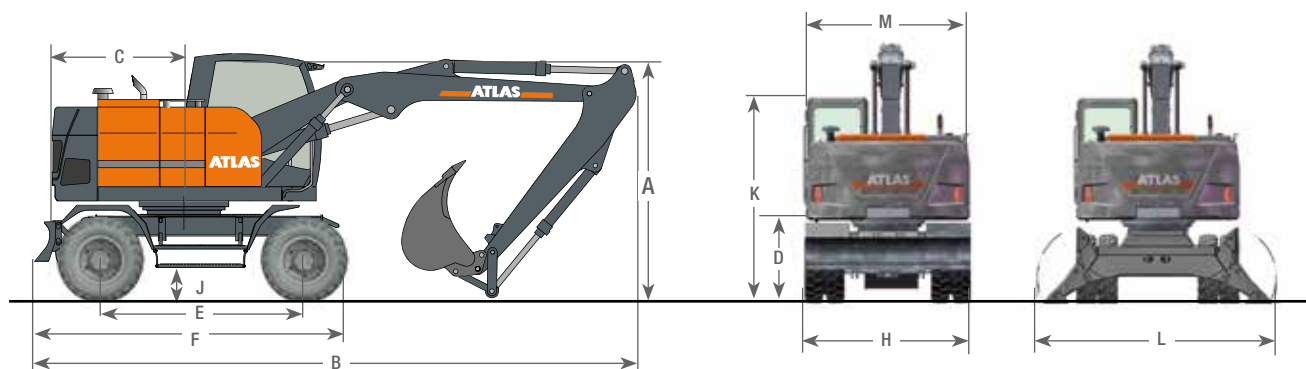
Lifting Capacities: Adjustable Boom, Base arm 1.87 m (C6.41) and boom 3.35 m (C6.47) with Stick 2.65 m (D6.3). Max. reach 8.95 m with optional 4.5t weight														
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m	
+ 5.0 m	FRONT		SDB rear, supported				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.

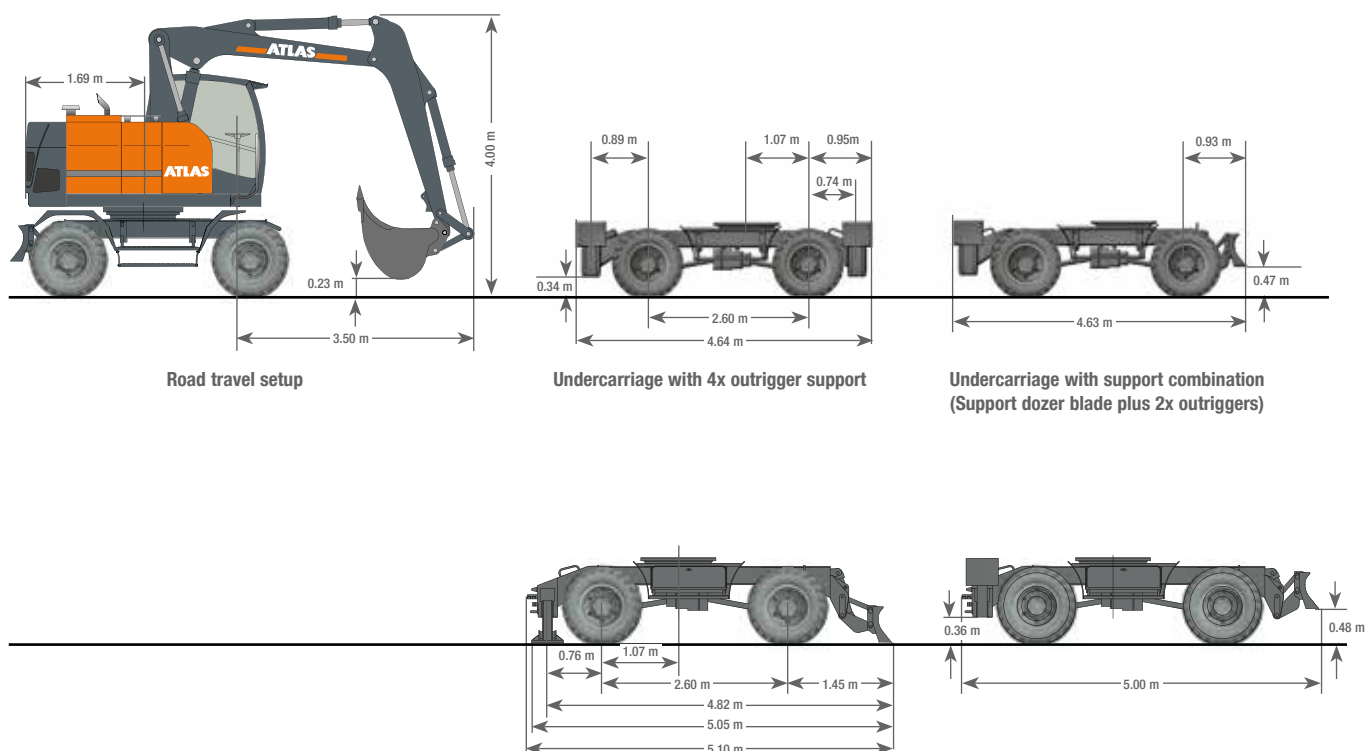
DIMENSIONS 165Wsr

Dimensions



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 COUNTERWEIGHT	1.26 m
Monoblock boom 4.85 m with Stick 2.15 m	3.14 m	E WHEEL BASE	2.60 m
Monoblock boom 4.85 m with Stick 2.65 m	3.14 m	F UNDERCARRIAGE LENGTH	4.00 m
B TRANSPORT LENGTH		H DOZER BLADE WIDTH	2.54 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 CAB	3.15 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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