



ATLAS

SINCE 1919

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

**STABLE.
STRONG.
STEADY.**



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*





TECHNICAL SPECIFICATION 165Wsr

ENGINE

Power rating.....105 kW (143 HP)	Bore / cylinder stroke 101 / 126	STANDARD BASIC EQUIPMENT:
RPM 1800/min	Cooling system Water-cooled	• Automatic idling system / Engine stop
Model..... Deutz TCD 4.1 L4 EU Stage V	Air filter..... Dry air filter	• Cold start assistance
Design..... Turbocharger	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)	• Load-retaining and fine lowering valves in lifting circuit	• Operating modes: F1 (Fine)
• Load limit controlled high-performance pump	• Pipe break protection valves for lifting and articulated cylinders	F2 (Eco)
• Fuel-efficient flow-on-demand control	• Proportional grab and grab rotating function	F3 (Power)
• Sensitive, proportional, independent control	• 3 circuits for additional consumer loads possible	• Accumulator for emergency lowering of the arm system
• Primary and secondary protection against overload	• Max. oil flow 240 l/min	• Load-limit control
• Suction valves for all work functions	• Max. operating pressure 350 bar	• Cylinder end position damping

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

• 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: • Comfort seat with headrest • Arm rests and lumbar support • Seat adjustable separately from console • Air suspension • Heated • Horizontal and vertical suspension • Lumbar support	MONITORING: • Operating data display screen • Automatic system for monitoring, warning and storage of data • Rear view security camera • Right side camera
	CONTROL: • 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: • Automatic climate control • Excellent air distribution through optimally arranged nozzles • Refrigerant R134a
		SOUND LEVELS: • ISO 6396 (L_pA) in driver's cab 72 dB(A) • 2000/14 EG (L_wA) ambience level 97 dB(A)

ADDITIONAL EQUIPMENT

• Refueling pump • Beacon light • Gear protection • Cabin Sliding door • Cab protection guard • Wheel cover • Cab elevation • Joystick steering • 270° camera system • LED working lights	• 35% axle differential lock • Patented trailer hitch • Alarm-signal while driving • Engine speed adjustment via potentiometer • 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) • 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
		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	16.1 t - 16.9 t	16.1 t - 16.9 t	16.5 t - 17.5 t	16.5 t - 17.5 t
SDB / outriggers	16.5 t - 17.3 t	16.5 t - 17.3 t	16.9 t - 18.0 t	16.9 t - 18.0 t
4 support outriggers	17.2 t - 18.0 t	17.2 t - 18.0 t	17.6 t - 18.6 t	17.6 t - 18.6 t

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

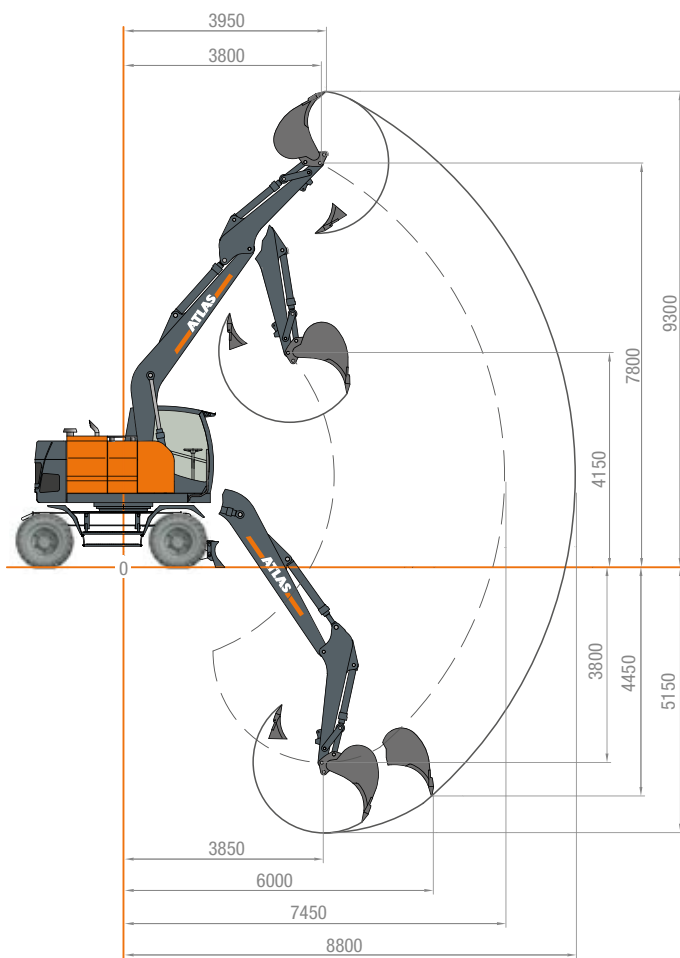
ATTACHMENTS (SELECTION)

	Bucket F415	Bucket F418	Trench digger G644
Capacity SAE	0.67 m³	0.92 m³	0.56 m³
Cutting width	850 mm	1100 mm	2000 mm

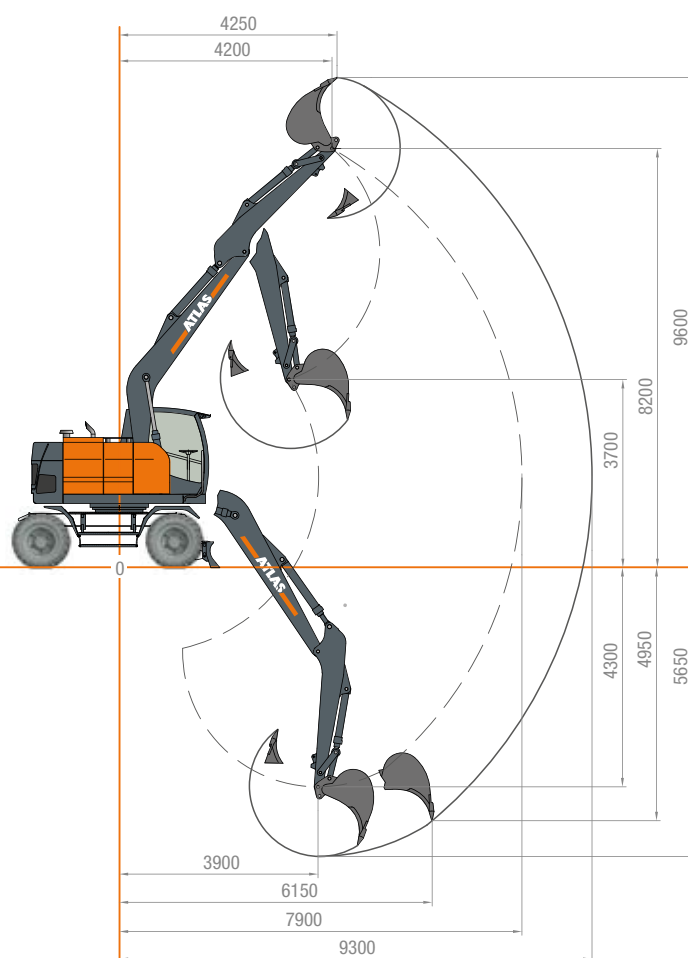
WORK AREAS 165Wsr

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		
		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

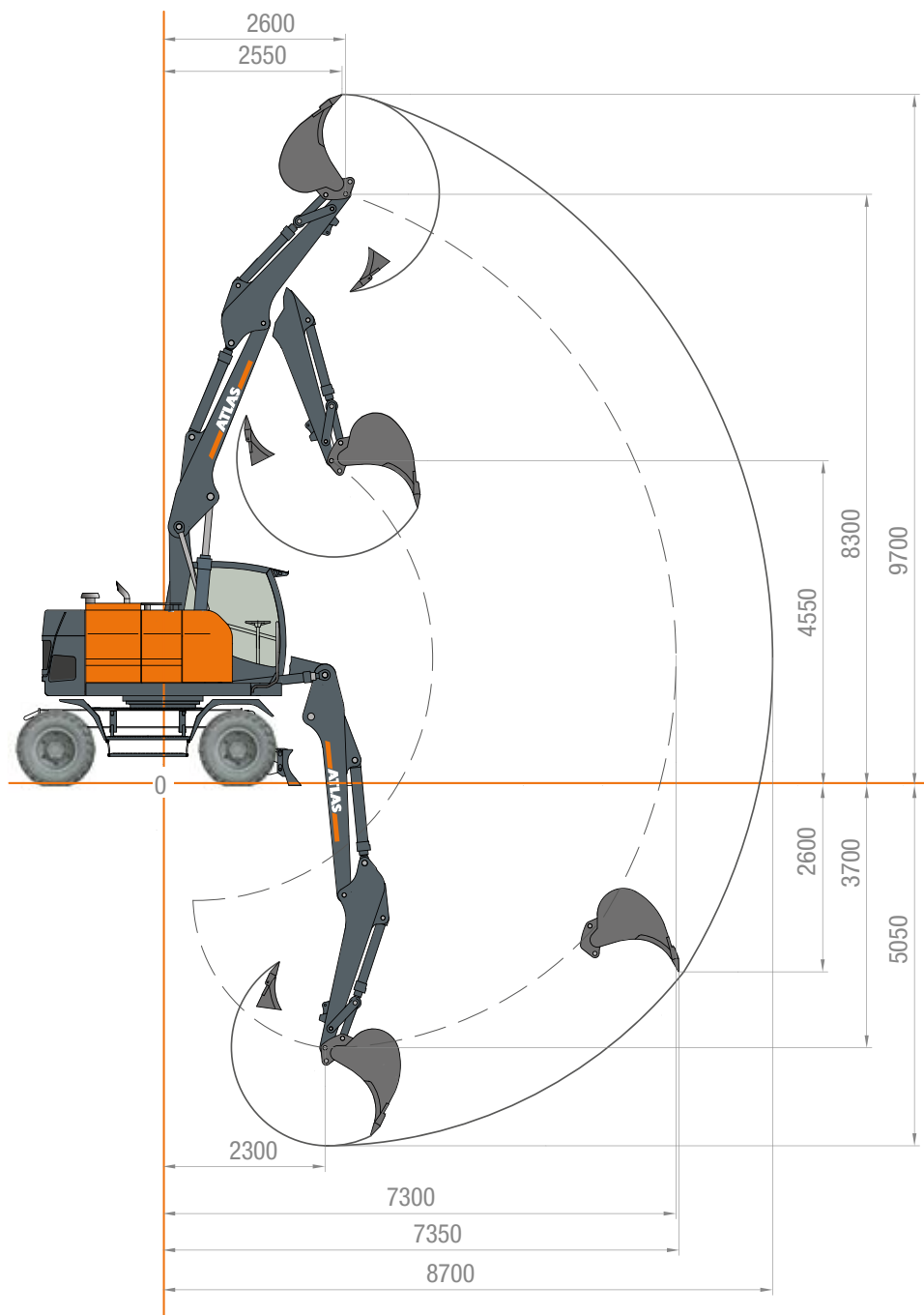
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 5.0 m	FRONT 	SDB rear, supported						3684	3534	3410	3313		
		SDB front, raised						3684	3534	3410	3313		
	LATERAL 	SDB supported						3684	*3374	*2936	*2573		
		SDB raised						*3379	*2907	*2526	*2208		
+ 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	*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

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			
			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
			SDB front, raised	7859	7640	6991	5964	5253	4729	4326	4004	3739
	LATERAL		SDB supported	7859	7640	*6115	*5077	*4327	*3762	*3318	*2929	*2519
			SDB raised	7859	*6603	*5319	*4441	3800	*3309	*2929	*2519	*2156
+ 2.0 m	FRONT		SDB rear, supported	8198	7838	7393	6466	5624	4999	4516	4129	3807
			SDB front, raised	8198	7838	7393	6466	5624	4999	4516	4129	3807
	LATERAL		SDB supported	8198	*7516	*6019	5001	*4275	*3727	*3309	*2871	*2408
			SDB raised	8198	*6482	*5228	*4378	*3757	*3287	*2900	*2463	*2113
+ 1.0 m	FRONT		SDB rear, supported	9448	8603	7643	6583	5755	5109	4592	4167	3815
			SDB front, raised	9448	8603	7643	6583	5755	5109	4592	4167	3815
	LATERAL		SDB supported	9448	*7535	*6005	4996	4275	*3747	*3251	*2781	*2408
			SDB raised	*8551	6485	*5227	*4374	*3762	*3237	*2786	*2374	*2047
+ 0 m	FRONT		SDB rear, supported	11048	9310	7737	6607	5766	5116	4600	4186	3841
			SDB front, raised	11048	9310	7737	6607	5766	5116	4600	4186	3841
	LATERAL		SDB supported	*10225	*7627	*6054	*4993	*4227	*3642	*3105	*2677	*2338
			SDB raised	*8336	*6322	*5078	*4224	*3595	*3107	*2644	*2274	*1978
- 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)

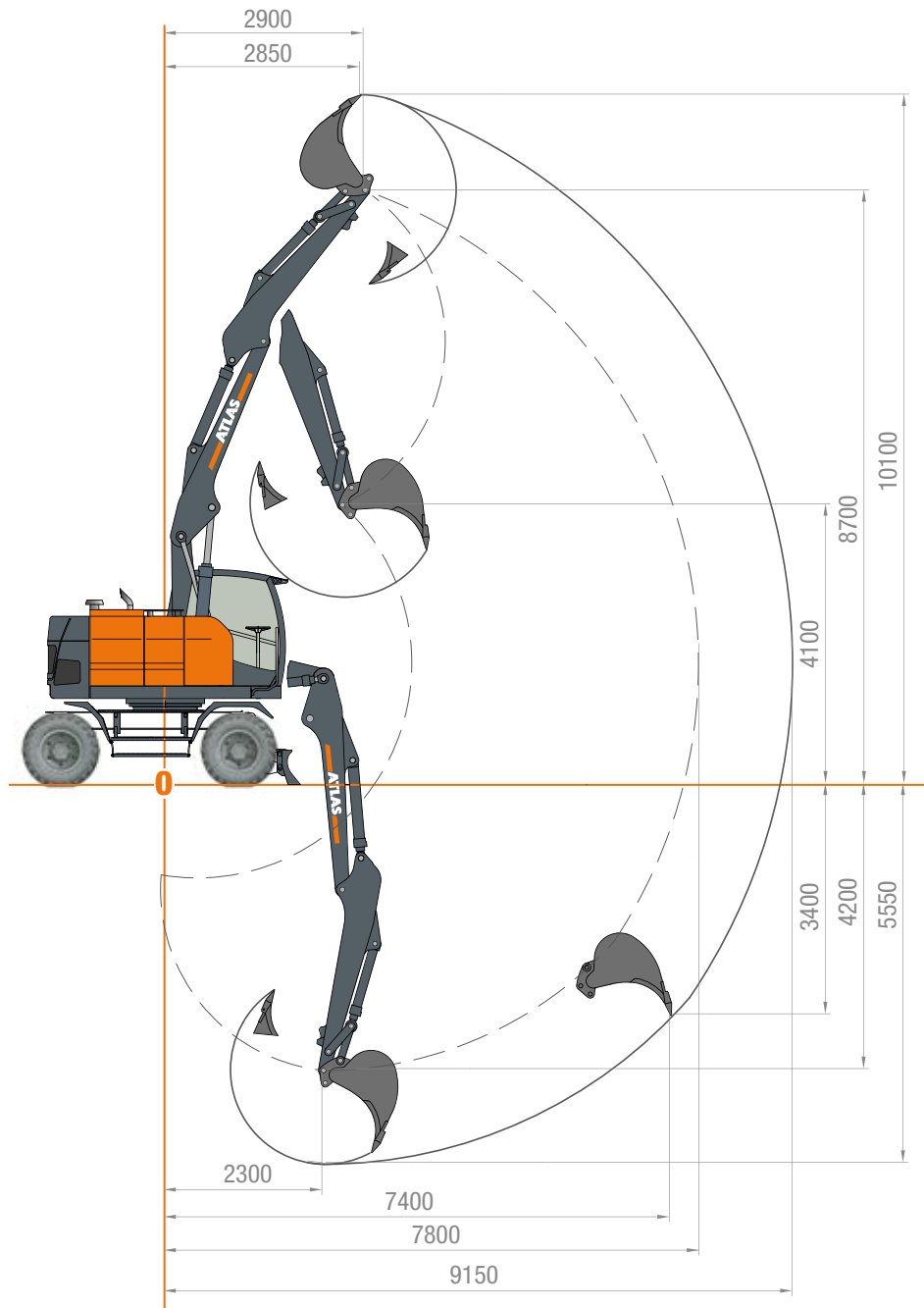
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m
+ 6.0 m	FRONT		SDB rear, supported			4494	4255	4069	3936			
			SDB front, raised			4494	4255	4069	3936			
	LATERAL		SDB supported			4494	4255	4069	*3934			
			SDB raised			4494	4255	*4016	*3452			
+ 5.0 m	FRONT		SDB 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
			SDB front, raised	7859	7640	6991	5964	5253	4729	4326	4004	3739
	LATERAL		SDB supported	7859	7640	6991	*5890	*5003	4343	*3825	*3415	*3005
			SDB raised	7859	7640	*6250	*5205	*4437	*3861	*3409	*3031	*2614
+ 2.0 m	FRONT		SDB rear, supported	8198	7838	7393	6466	5624	4999	4516	4129	3807
			SDB front, raised	8198	7838	7393	6466	5624	4999	4516	4129	3807
	LATERAL		SDB supported	8198	7838	*6983	*5789	*4933	*4295	*3797	*3415	*2960
			SDB raised	8198	*7664	*6147	*5120	*4382	*3828	*3396	*2973	*2570
+ 1.0 m	FRONT		SDB rear, supported	9448	8603	7643	6583	5755	5109	4592	4167	3815
			SDB front, raised	9448	8603	7643	6583	5755	5109	4592	4167	3815
	LATERAL		SDB supported	9448	8603	*6971	*5772	*4922	*4294	3819	*3322	*2891
			SDB raised	9448	*7677	*6140	*5117	*4383	3840	*3361	*2883	*2503
+ 0 m	FRONT		SDB rear, supported	11048	9310	7737	6607	5766	5116	4600	4186	3841
			SDB front, raised	11048	9310	7737	6607	5766	5116	4600	4186	3841
	LATERAL		SDB supported	11048	8887	*7038	5827	*4981	*4349	*3717	*3217	*2819
			SDB raised	*10371	*7777	*6213	*5143	*4362	*3764	*3217	*2780	*2433
- 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	*2699	*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

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	3679	3529	3407		
+ 3.0 m	FRONT		SDB supported			4342	4077	3859	*3406	*3000	*2603		
	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
	LATERAL		SDB front, raised	7987	7734	6428	5563	4946	4483	4121	3831	3590	*3374
- 1.0 m	FRONT		SDB supported	7987	*7727	*6158	*5094	*4334	*3756	*3302	2944	*2610	*2258
	LATERAL		SDB raised	7987	*6664	5350	4452	*3800	*3298	*2908	*2597	*2244	*1929
- 2.0 m	FRONT		SDB rear, supported	8169	7911	7295	6182	5396	4812	4361	4001	3703	3448
	LATERAL		SDB front, raised	8169	7911	7295	6182	5396	4812	4361	4001	*3693	*3354
- 3.0 m	FRONT		SDB supported	8169	*7494	*5991	*4977	*4246	3698	*3267	*2930	*2560	*2218
	LATERAL		SDB raised	8169	*6457	5211	*4351	*3727	*3254	2885	*2566	*2194	*1890
- 4.0 m	FRONT		SDB rear, supported	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461
	LATERAL		SDB front, raised	8952	8301	7523	6490	5654	5013	4509	4072	*3676	*3349
- 5.0 m	FRONT		SDB supported	8952	7440	5941	4934	*4219	*3679	*3269	*2876	*2479	*2158
	LATERAL		SDB raised	*8432	*6403	*5161	*4314	*3701	*3244	*2859	*2466	*2115	*1832
- 6.0 m	FRONT		SDB rear, supported	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484
	LATERAL		SDB front, raised	10317	9015	7611	6506	5680	5039	4526	4075	*3714	*3278
- 7.0 m	FRONT		SDB supported	*10035	7492	*5969	*4965	*4251	*3676	*3205	*2748	*2384	*2092
	LATERAL		SDB raised	*8470	*6418	*5148	*4275	*3633	*3138	*2741	*2341	*2023	*1767
- 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)

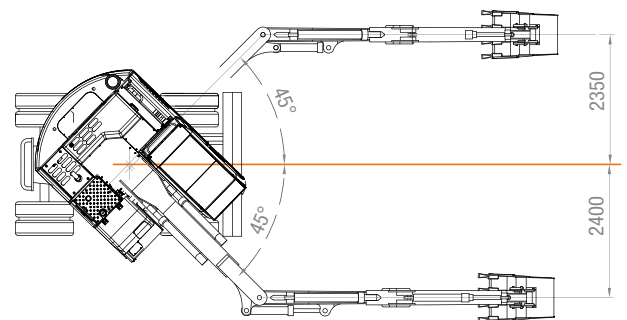
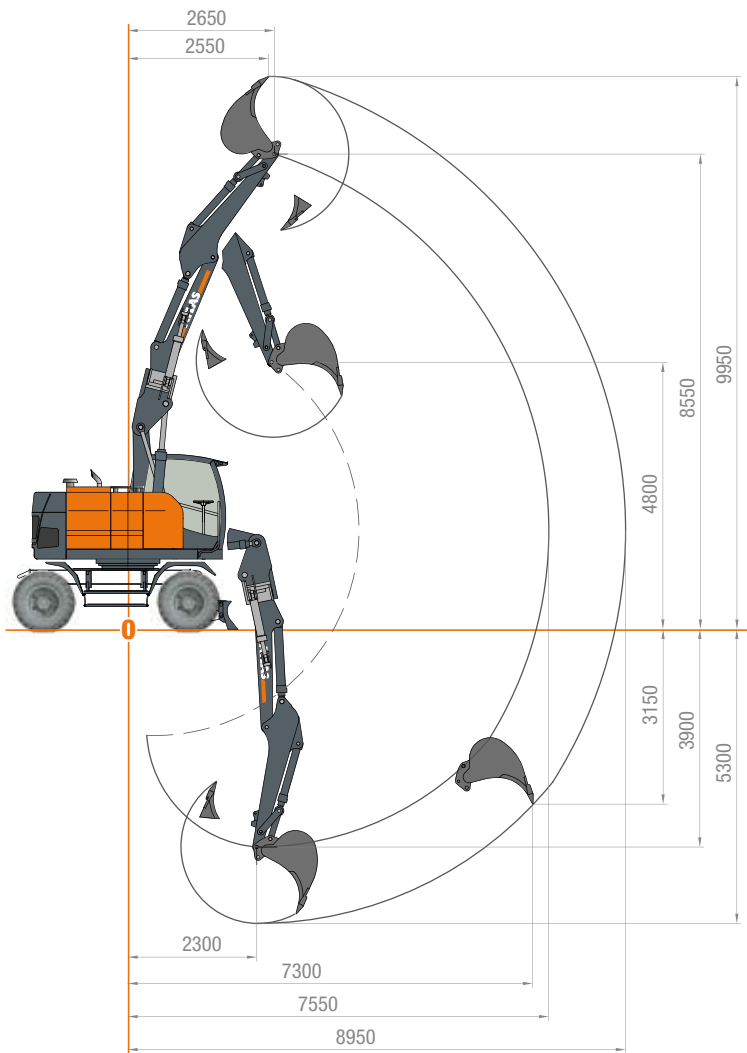
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 6.0 m	FRONT		SDB rear, supported				3884	3733	3612	3522			
	LATERAL		SDB front, raised				3884	3733	3612	3522			
+ 5.0 m	FRONT		SDB supported				3884	3733	3612	*3486			
	LATERAL		SDB raised				3884	3733	*3525	*3066			
+ 4.0 m	FRONT		SDB rear, supported			4342	4077	3859	3679	3529	3407		
	LATERAL		SDB front, raised			4342	4077	3859	3679	3529	3407		
+ 3.0 m	FRONT		SDB supported			4342	4077	3859	3679	*3475	3090		
	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	3653	3474	3322
+ 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	*3061	*2721	*2354
+ 0 m	FRONT		SDB rear, supported	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386
	LATERAL		SDB front, raised	7987	7734	6428	5563	4946	4483	4121	3831	3590	3386
- 1.0 m	FRONT		SDB supported	7987	7734	6428	5563	4946	*4340	*3817	*3396	3055	*2698
	LATERAL		SDB raised	7987	7734	*6287	*5217	*4440	*3857	3395	3028	*2704	*2346
- 2.0 m	FRONT		SDB rear, supported	8169	7911	7295	6182	5396	4812	4361	4001	3703	3448
	LATERAL		SDB front, raised	8169	7911	7295	6182	5396	4812	4361	4001	3703	3448
- 3.0 m	FRONT		SDB supported	8169	7911	*6956	5767	4915	*4267	*3767	*3366	*3047	*2657
	LATERAL		SDB raised	8169	*7639	6128	5097	*4357	*3797	3359	*3010	*2654	*2306
- 4.0 m	FRONT		SDB rear, supported	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461
	LATERAL		SDB front, raised	8952	8301	7523	6490	5654	5013	4509	4101	3759	3461
- 5.0 m	FRONT		SDB supported	8952	8301	6897	*5715	*4868	*4235	*3751	*3373	*2964	*2596
	LATERAL		SDB raised	8952	*7583	6069	*5052	*4326	3779	*3356	*2978	*2573	*2246
- 6.0 m	FRONT		SDB rear, supported	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484
	LATERAL		SDB front, raised	10317	9015	7611	6506	5680	5039	4526	4108	3764	3484
- 7.0 m	FRONT		SDB supported	10317	*8729	6924	*5729	4889	*4264	3810	*3290	*2868	*2529
	LATERAL		SDB raised	*10179	*7634	*6107	*5084	*4356	*3797	*3316	*2850	*2479	*2181
- 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

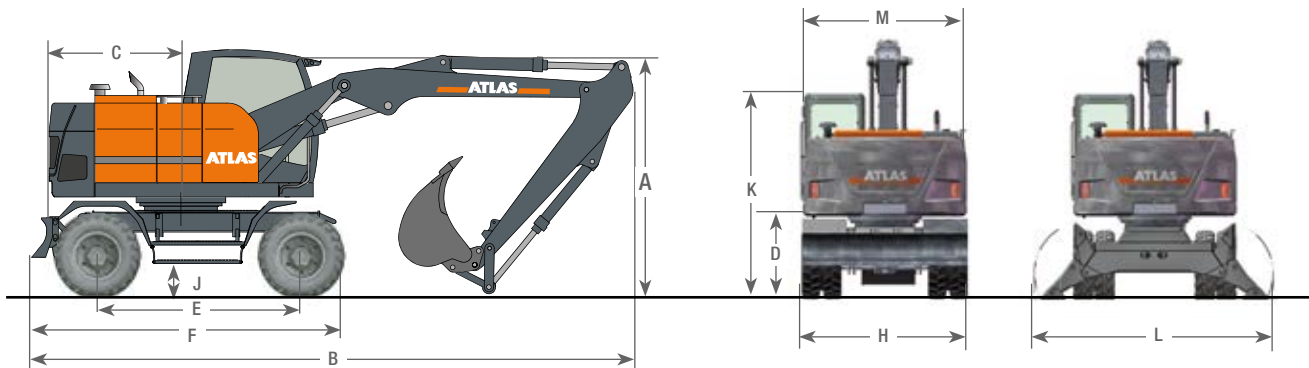
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 5.0 m	FRONT 	SDB rear, supported				4283	3981	3736	3534	3366	3227	3116	
		SDB front, raised				4283	3981	3736	3534	3366	3227	3116	
	LATERAL 	SDB supported				4283	3981	3736	*3347	*2943	*2591	*2206	
		SDB raised				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.

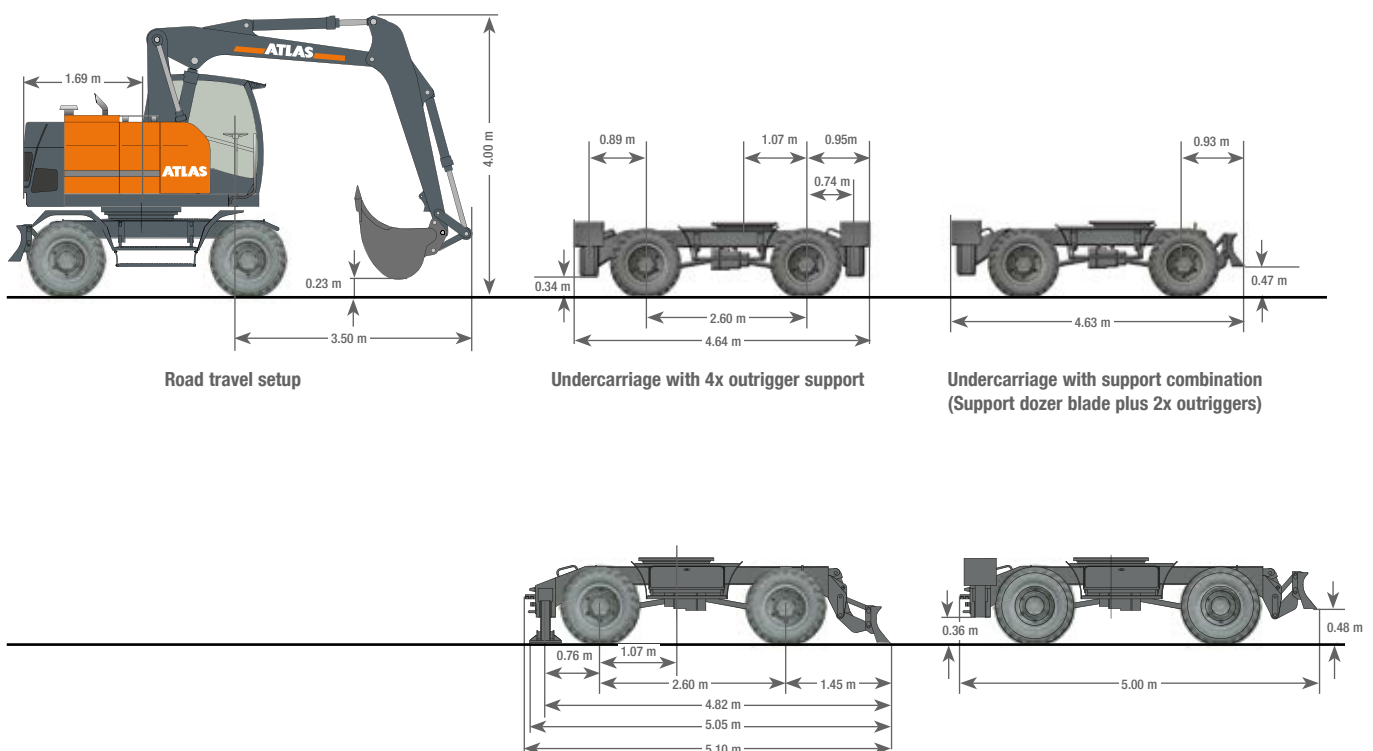
DIMENSIONS 165Wsr

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 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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Ref. no.: 6203387

GANDERKESEE FACTORY

Atlas GmbH
Atlasstraße 6
D-27777 Ganderkesee,
Germany

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



VECHTA FACTORY

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

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



DELMENHORST FACTORY

Atlas GmbH
Stedinger Straße 324
D-27751 Delmenhorst
Germany

T: +49 (0) 4221 49 10
F: +49 (0) 4221 49 14 43
E-mail: info@atlasgmbh.com
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
www.atlas-cranes.co.uk
www.atlasgmbh.com



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