ATLAS SINCE 1919

STABLE. STRONG. STEADY.

- 14.0 -15.9 t
- 95 kW (130) HP
- 0.7 - 1.0 m^3

WHEELED EXCAVATOR
140W Bigfoot

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140W Bigfoot

GREATEST RANGE
HIGHEST LOAD CAPACITIES
BEST VIEW FROM THE CABIN

LOW FUEL CONSUMPTION
LOWEST GROUND PRESSURE
SWIVEL RADIUS LESS THAN 2.0 METERS

ROAD REGISTRATION
WITH A SECOND ARTICULATED ARM 2.0 METERS
AND CUTTING BAR OVER 4.3 METERS

TECHNICAL SPECIFICATION 140W Bigfoot

Technical specification

ENGINE

Power rating ..... 95 kW (130 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 (Tier 4F)	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 pressure ..... 350 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	• Max. swing speed 9/min
	Planetary transmission	• Swing torque ..... 36 kNm
	Automatically controlled multi-disc brake	

TRACTION DRIVE AND BRAKES

• Variable displacement motor	• Automotive traveling and cruise control	• Tractive force ..... 83.0 kN
• Power-shift transmission	• Max. speed ..... 20 km/h	• Max. gradeability ..... 65 %
• 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

• 28 tons special excavator axles with 35% limited slip differential	• Steering axle with automatic oscillating axle locking	• 4 tires (optional) ..... 710 - 26.5

FILL CAPACITIES

• Fuel tank ..... 240 litres	• Engine oil ..... 10 litres	• Hydraulic system ..... 200 litres
• Cooling system ..... 35 litres	• Hydraulic tank ..... 125 litres	• Ad Blue® ..... 20 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	• Excellent 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 cab ..... 72 dB(A)
DRIVER'S SEAT:	• Operating data display screen	• 2000/14 EG (L_wA) ambience level .... 96 dB(A)
• Air-cushioned comfort seat (seat heating optional)	• Automatic system for monitoring, warning and storage of data	
• Arm rests and lumbar support		
• Seat adjustable separately from console		

Working equipment

EQUIPMENT

BASIC UNIT ATLAS 140W

- Wheel Excavator 140W with SDB and 2 lifting cylinders (A4.2)

* SDB = support and dozer blade

BOOMS:

- Monoblock boom with stick cylinder 4.22 m (C3.3M)
- Adjustable boom consisting of base arm 1.95 m (C3.41) with adjusting cylinder plus boom 3.07 m (C346) with stick cylinder
- Adjustable boom consisting of base arm 1.95 m (C3.41) with adjusting cylinder plus boom 3.47 m (C346.1) with stick cylinder

STICKS:

- Stick 1.96 m (D32)
- Stick 2.50 m (D33)
- Stick 3.0 Meter (D331)

BUCKET TIPPING CYLINDER:

- Bucket tipping cylinder with bucket linkage (F31)

STANDARD EQUIPMENT:

Engine:

- Automatic idling system
- Cold start assistance
- Diesel pre-filter
- Engine monitoring

Hydraulic system:

- Accumulator for emergency lowering of boom system
- Proportional grab/grab rotating function
- Pipe break protection valves for lifting and articulated cylinders
- Max. load-limit control
- Cylinder end position damping

Cab:

- Air conditioning with Climatronic
- Radio preparation with mute function
- Slim steering column, height and tilt adjustable
- Ready for electric cooling box
- Different options for storage, compartment for documents
- Rear view security camera
- Seat adjustable separately from console
- Heat-absorbing glass, tinted windows
- Automotive drive and cruise control
- Operating data display screen
- Bottle holder

EQUIPMENT:

- Joint bearings in stick and bucket cylinders
- Combined lubricating points for swing bearing and arm equipment

UNDERCARRIAGE:

- Power-shift transmission
- Wet disc brakes
- Toolbox in undercarriage
- ZF axles

ADDITIONAL EQUIPMENT

Engine:

- Refueling pump
- Engine speed adjustment via potentiometer
- Auxiliary heating

Hydraulic system:

- Hydraulic kit, to operate front and rear supports separately
- Hydraulic kit, to operate supports per axle separately
- Biodegradable oil

Working equipment:

- Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment

Cab:

- Cab protection guard
- Beacon light
- BHeated driver's seat
- GPS/GSM telemetric system for monitoring of operating data, consumption, position
- Radio, USB
- Electric cooling box
- Cab elevation
- LED working lights
- 270° camera system
- Proportional control of supports by slide in joystick
- Alarm-signal while driving
- Joystick steering
- Head rest

Undercarriage:

- Wide axles (overall width 2750 mm)
- Wide dozer blade (2750 mm)
- High-speed option 36 km/h
- Gear protection
- Wheel cover
- Trailer hitch

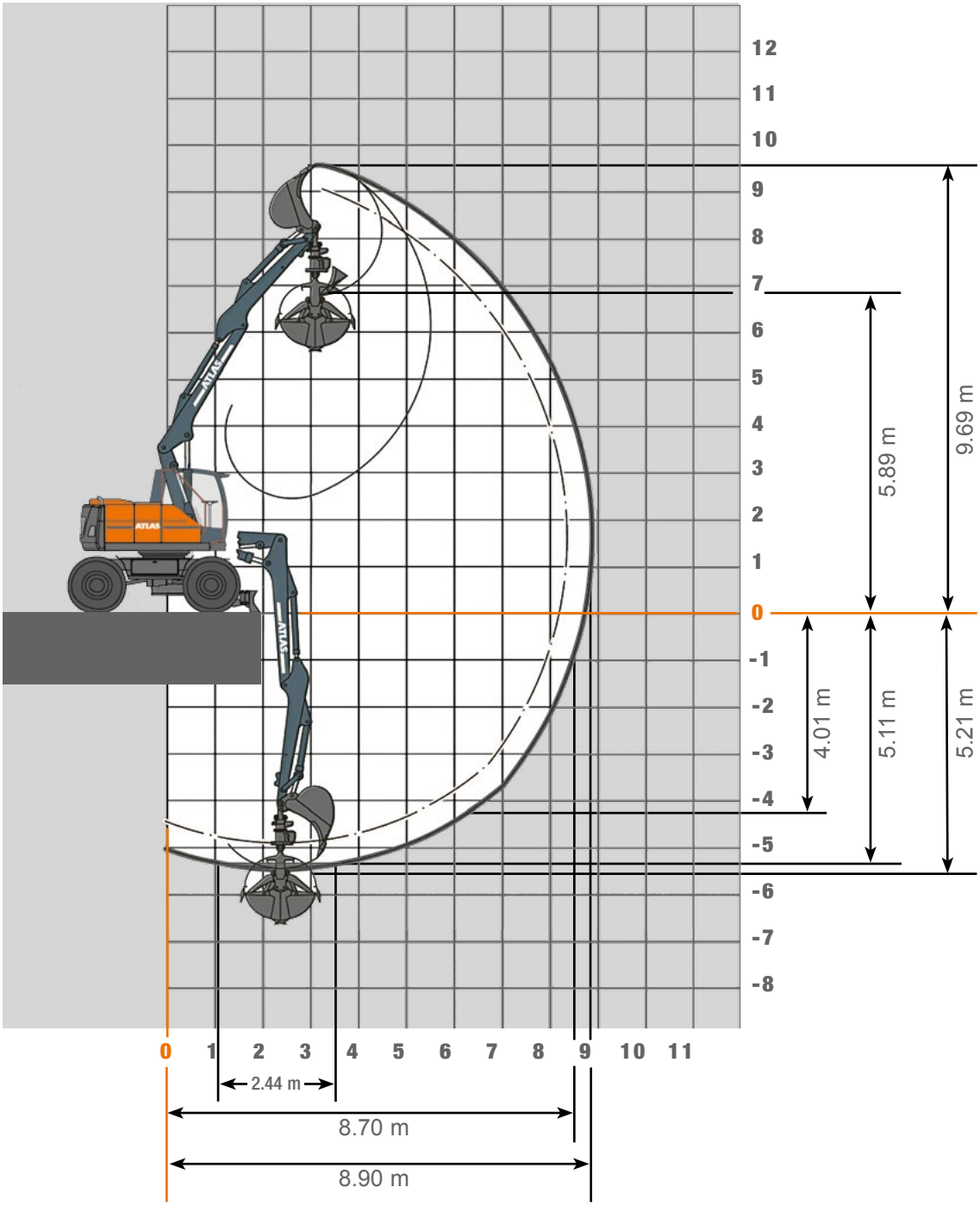
Further special equipment: See price list

ATTACHMENTS (SELECTION)

	Bucket F415	Bucket F417
Capacity SAE	0,67 m^3	0,92 m^3
Cutting width	850 mm	1100 mm

WORKING RANGES 140W Bigfoot

Working ranges Adjustable boom: Base arm 1.95 m (C3.41) and boom 3.07 m (C346) with stick 2.50 m (D33)



LIFTING CAPACITIES 140W Bigfoot

Lifting capacities Adjustable boom: Base arm 1.95 m (C3.41) and boom 3.07 m (C346)

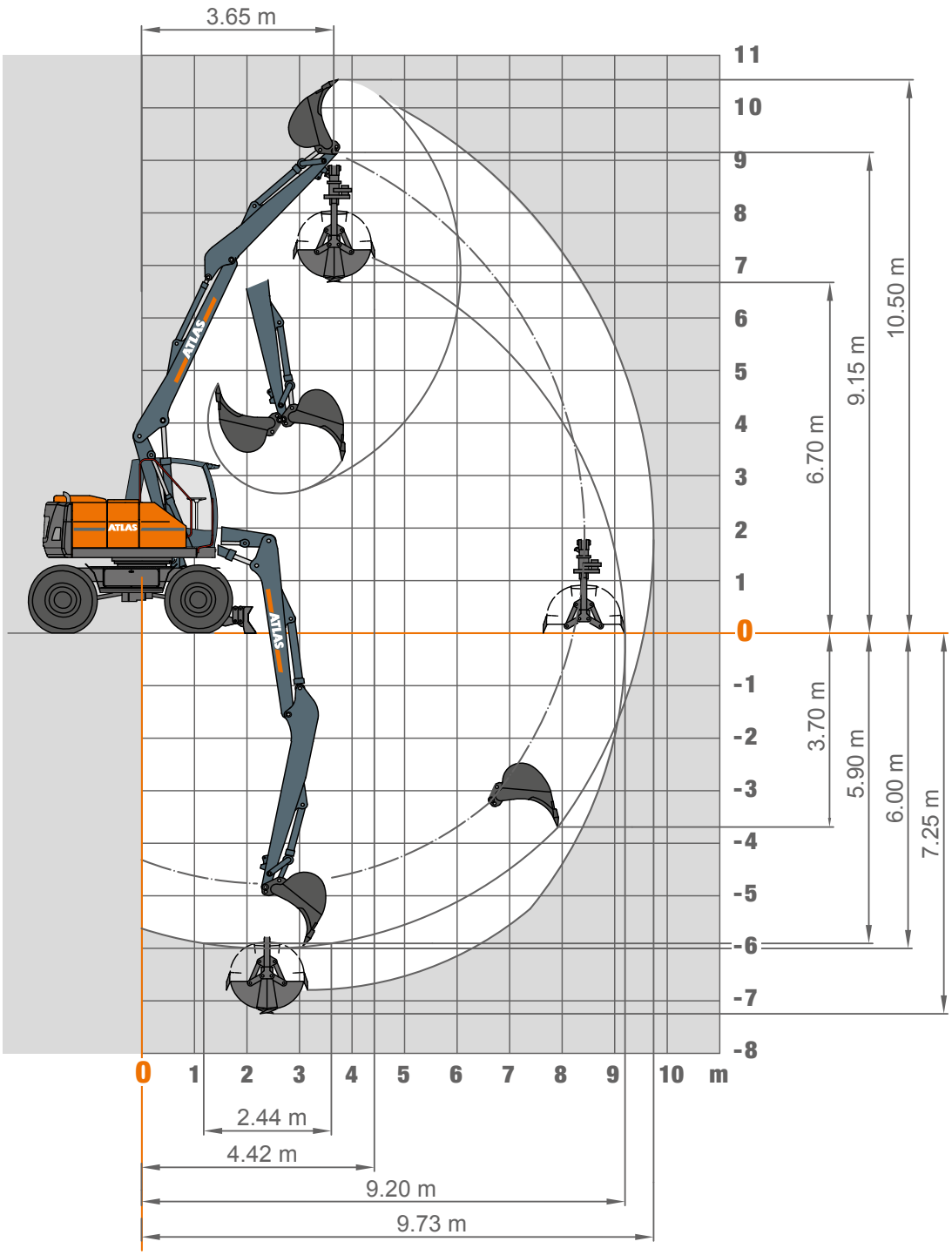
Lifting capacites Adjustable boom: Base arm 1.95 m (C3.41) and boom 3.07 m (C346) with stick 2.50 m (D33). Max reach 8,90 m

Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m
+5.0 m	FRONT	SDB rear, supported				3741	3523	3343	3194	3072	2981	
		SDB front. raised				3741	3523	3343	3194	3072	2981	
	LATERAL	SDB supported				3741	3523	3343	3194	3072	2732*	
		SDB raised				3741	3523	3343	3126*	2751*	2387*	
+ 4.0 m	FRONT	SDB rear, supported		5188	4588	4147	3808	3540	3323	3144	2995	2837
		SDB front. raised		5188	4588	4147	3808	3540	3323	3144	2995	2837
	LATERAL	SDB supported		5188	4588	4147	3808	3540	3323	3081*	2753*	2415*
		SDB raised		5188	4588	4147	3808	3523*	3092	2745*	2409*	2107*
+ 3.0 m	FRONT	SDB rear, supported	6355	6245	5400	4700	4195	3814	3515	3272	3069	2892
		SDB front. raised	6355	6245	5400	4700	4195	3814	3515	3272	3069	2892
	LATERAL	SDB supported	6355	6245	5400	4700	4195	3814	3426*	3053*	2744*	2414*
		SDB raised	6355	6245	5400	4684*	3989*	3465*	3055*	2729*	2402*	2105*
+ 2.0 m	FRONT	SDB rear, supported	7583	6893	6132	5213	4562	4077	3700	3398	3144	2921
		SDB front. raised	7583	6893	6132	5213	4562	4077	3700	3398	3144	2921
	LATERAL	SDB supported	7583	6893	6132	5187	4419*	3842*	3391*	3035*	2714*	2392*
		SDB raised	7583	6861*	5512*	4593*	3928*	3425	3033	2722*	2371*	2084*
+ 1.0 m	FRONT	SDB rear, supported	8191	7369	6397	5469	4771	4234	3811	3465	3172	2935
		SDB front. raised	8191	7369	6397	5469	4771	4234	3811	3465	3172	2935
	LATERAL	SDB supported	8191	7369	6193*	5144*	4388*	3822*	3388*	3046*	2665*	2354*
		SDB raised	8191	6837*	5479*	4567*	3909*	3420*	3050*	2659*	2321*	2047*
+ 0 m	FRONT	SDB rear, supported	9209	7725	6420	5490	4795	4255	3825	3478	3213	2871
		SDB front. raised	9209	7725	6420	5490	4795	4255	3825	3478	3213	2871
	LATERAL	SDB supported	9209	7725	6225	5167*	4413*	3856*	3417*	2965*	2605*	2315*
		SDB raised	9147*	6887	5514*	4596*	3949*	3429*	2973*	2579*	2263*	2008*
-1.0 m	FRONT	SDB rear, supported	9825	7830	6501	5555	4852	4313	3919	3533	3072	
		SDB front. raised	9825	7830	6501	5555	4852	4313	3919	3533	3072	
	LATERAL	SDB supported	9825	7830	6327*	5266	4487*	3846*	3306*	2885*	2555*	
		SDB raised	9321*	6950*	5514*	4556*	3869*	3330*	2865*	2501*	2215*	
- 2.0 m	FRONT	SDB rear, supported	10065	8033	6688	5767	5026	4371	3746	3073		
		SDB front. raised	10065	8033	6688	5767	5026	4371	3746	3073		
	LATERAL	SDB supported	10065	8033	6415*	5253*	4374*	3722*	3227*	2840*		
		SDB raised	9267*	6858*	5434*	4494*	3761*	3211*	2789*	2457*		
- 3.0 m	FRONT	SDB rear, supported	10000	7924	6435	5284	4316	3412	2476			
		SDB front. raised	10000	7924	6435	5284	4316	3412	2476			
	LATERAL	SDB supported	10000	7924	6349*	5138*	4294*	3412	2476			
		SDB raised	9354*	6862*	5372*	4385*	3685*	3164*	2476			

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.

WORKING RANGES 140W Bigfoot

Working ranges Adjustable boom: Base arm 1.95 m (C3.41) and boom 3.47 m (C346.1) with stick 3.00 m (D331)



LIFTING CAPACITIES 140W Bigfoot

Lifting capacities Adjustable boom: Base arm 1.95 m (C3.41) and boom 3.47 m (C346.1)

Lifting capacites Adjustable boom: Base arm 1.95 m (C3.41) and boom 3.47 m (C346.1) with stick 3.00 m (D331). Max reach 9.73 m

Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m	8.0 m
+5.0 m	FRONT	SDB rear, supported					3155	2986	2842	2720	2616	2529	2459	
		SDB front. raised					3155	2986	2842	2720	2616	2529	2459	
	LATERAL	SDB supported					3155	2986	2842	2720	2616	2487*	2216*	
		SDB raised					3155	2986	2842	2720	2463*	2204*	1935*	
+4.0 m	FRONT	SDB rear, supported			4236	3814	3490	3233	3025	2852	2707	2583	2476	2301
		SDB front. raised			4236	3814	3490	3233	3025	2852	2707	2583	2476	2301
	LATERAL	SDB supported			4236	3814	3490	3233	3025	2852	2707	2467*	2230*	1976*
		SDB raised			4236	3814	3490	3233	3025	2719*	2436*	2201*	1950*	1718*
+ 3.0 m	FRONT	SDB rear, supported		5282	5082	4401	3912	3543	3254	3021	2829	2667	2526	2399
		SDB front. raised		5282	5082	4401	3912	3543	3254	3021	2829	2667	2526	2399
	LATERAL	SDB supported		5282	5082	4401	3912	3543	3254	3002	2697*	2444*	2224*	1975*
		SDB raised		5282	5082	4401	3912	3412*	3005*	2679*	2409*	2188*	1944*	1717*
+ 2.0 m	FRONT	SDB rear, supported	6066	6022	5656	4946	4311	3839	3476	3186	2949	2750	2576	2418
		SDB front. raised	6066	6022	5656	4946	4311	3839	3476	3186	2949	2750	2576	2418
	LATERAL	SDB supported	6066	6022	5656	4946	4311	3756*	3314*	2961*	2669	2430*	2200*	1956*
		SDB raised	6066	6022	5379*	4487*	3839	3345*	2957*	2644*	2390	2180*	1919*	1698*
+ 1.0 m	FRONT	SDB rear, supported	6881	6561	6037	5251	4564	4041	3631	3302	3031	2801	2598	2425
		SDB front. raised	6881	6561	6037	5251	4564	4041	3631	3302	3031	2801	2598	2425
	LATERAL	SDB supported	6881	6561	6014*	4996*	4266	3715*	3282*	2941*	2662*	2439*	2161*	1924*
		SDB raised	6881	6561	5318*	4431*	3794*	3310*	2935*	2635	2396*	2131*	1879*	1668*
+ 0 m	FRONT	SDB rear, supported	7839	7099	6187	5289	4617	4094	3676	3333	3047	2808	2619	2396
		SDB front. raised	7839	7099	6187	5289	4617	4094	3676	3333	3047	2808	2619	2396
	LATERAL	SDB supported	7839	7099	6021*	4995*	4259*	3709*	3285*	2953*	2699*	2377*	2110*	1890*
		SDB raised	7839	6652*	5327	4431*	3797*	3316*	2947*	2666*	2356*	2067*	1830*	1634*
-1.0 m	FRONT	SDB rear, supported	8955	7532	6245	5328	4645	4116	3695	3355	3078	2867	2582	2123
		SDB front. raised	8955	7532	6245	5328	4645	4116	3695	3355	3078	2867	2582	2123
	LATERAL	SDB supported	8955	7532	6088*	5048	4305*	3756*	3344	2983*	2611*	2308*	2063*	1865*
		SDB raised	8955	6748	5392*	4489*	3849*	3339*	2934*	2592*	2266*	1999*	1784*	1610*
-2.0 m	FRONT	SDB rear, supported	9630	7664	6353	5420	4726	4193	3780	3470	3122	2705	2132	
		SDB front. raised	9630	7664	6353	5420	4726	4193	3780	3470	3122	2705	2132	
	LATERAL	SDB supported	9630	7664	6213*	5166	4387*	3789*	3295*	2870*	2531*	2258*	2036*	
		SDB raised	9126*	6760*	5360*	4432*	3769*	3271*	2851*	2483*	2189*	1951*	1757*	
- 3.0 m	FRONT	SDB rear, supported	9913	7905	6573	5642	4947	4325	3761	3204	2590			
		SDB front. raised	9913	7905	6573	5642	4947	4325	3761	3204	2590			
	LATERAL	SDB supported	9913	7905	6303*	5159*	4341*	3684*	3189*	2801*	2491*			
		SDB raised	9098*	6722*	5322*	4399*	3726*	3169*	2748*	2416*	2149*			

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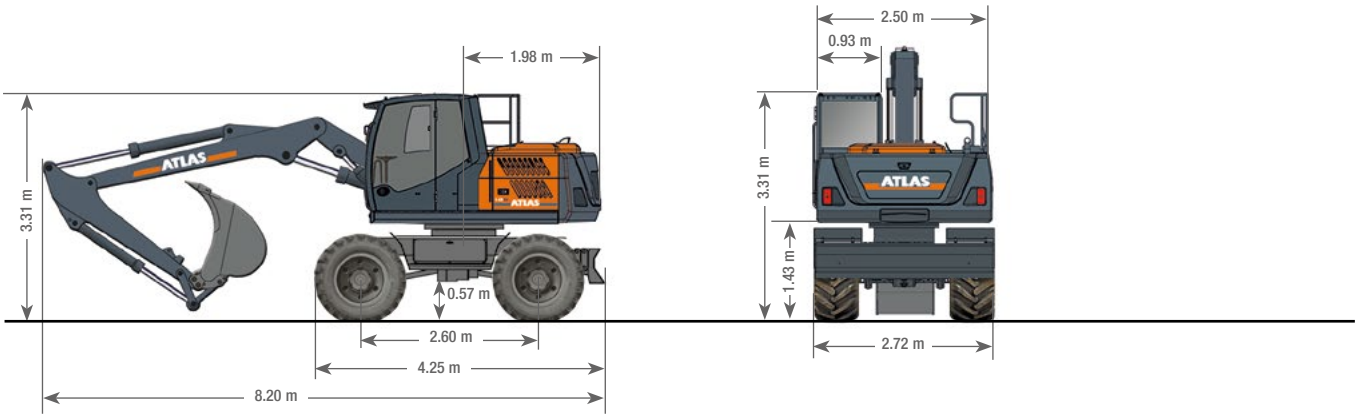
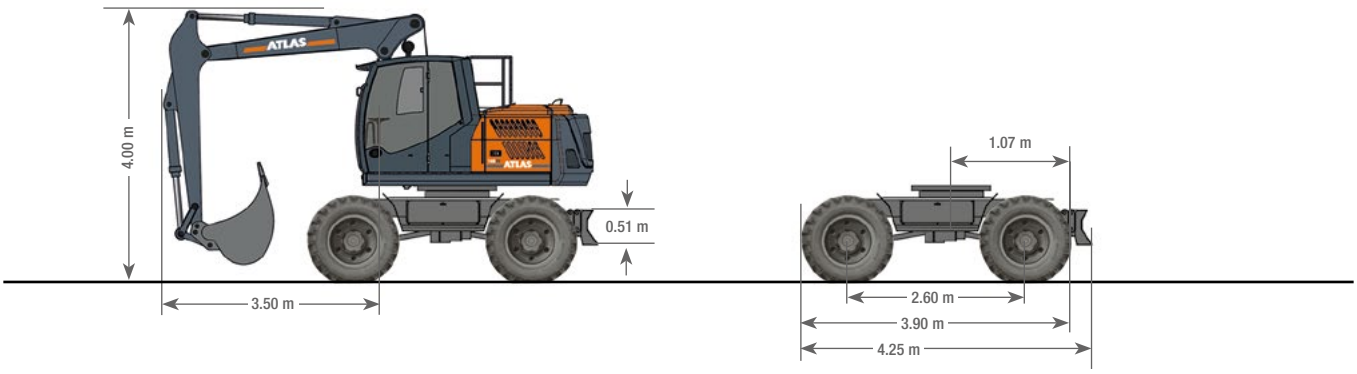
DIMENSIONS 140W Bigfoot

Dimensions





Road travel setup

Undercarriage with support dozerblade

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ATLAS SINCE 1919

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