




100
ATLAS 1919 - 2019

ATLAS
SINCE 1919

**ROBUST.
STRONG.
STABLE.**

-  max. 21.8 t
-  115 kW (156 HP)
-  0.82 - 1.12 m³



CRAWLER EXCAVATOR 215LCsr blue

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TECHNICAL SPECIFICATION 215LCsr

Technical Specification

ENGINE

Power according to ISO 9249.....	115 kW (156 HP)	Number of cylinders	4	Alternator.....	24 V / 100 Ah
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/charge-air cooling	Air filter.....	Dry air filter		
Displacement.....	4040 cm ³	Battery.....	2 x 12 V / 100 Ah		

HYDRAULIC SYSTEM

• AWE 4 system (Load sensing)	• Suction valves for all work functions	• Hydraulic system.....	1 x AKP
• Load limit controlled high-performance pump	• Load-retaining and fine lowering valves in lifting circuit	• Main pump	HPR 210
• Fuel-efficient flow-on-demand control	• Restrictors in the lift and articulating circuits	• Max. oil flow.....	380 l/min
• Sensitive, proportional, independent control	• Primary and secondary protection against overload	• Max. operating pressure	340 bar

SWING ASSEMBLY

• Swing motor:	Axial piston motor with priority valve	• Max. swing speed	9/min
• Swing gear:	Planetary transmission	• Swing torque.....	59 kNm
• Swing brake:	Automatically controlled multi-disc brake		

TRACTION DRIVE AND BRAKES

• Steering:	2 control levers / pedals enable separate drive of both chains	• Maximum speed.....	3.3 / 5.1 km/h
• Traction drive:	2 automatic drive positions	• Tractive force.....	197* kN
• Brakes:	Hydraulic, service-free multidisc brakes	• Max. climbing power	70 %

UNDERCARRIAGE

Construction:	Drives:		
• X-frame	• Drive quality B60	• Chain tension via hydraulic oil cylinder and pre-tensioned steel spring	
• Lifetime lubrication of track and carrier rollers	• Three-section base plates	• Track LC1	2.20 m
• 4 lashing grommets	• Chains lubricated	• Track LC2.....	2.40 m
	• Sealed bolts	• Track NLC	2,00 m

FILL CAPACITIES

• Fuel tank	230 liter	• Engine oil.....	13 liter	• Hydraulic tank	300 liter
				• AdBlue ® tank.....	20 litres

DRIVER'S CAB

• Elastically mounted	DRIVER'S SEAT:	• Type	Atlas Comfort Cab 935
• Panorama glazing with heat-absorbing glass	• Air-cushioned comfort seat (optional seat heating)	• Overall length	1760 mm
• The interior is glare-free	• Arm rests and lumbar support	• Width	935 mm
• Front window slidable under cab roof	• Seat adjustable separately from console		
	CONTROL:	SOUND LEVELS:	
	• Ergonomic joysticks	• ISO 6396 (L _{pA}) in driver's cab	70 dB(A)
	• Slim steering column, height and tilt adjustable	• 2000/14 EG (L _{wA}) ambience level.. ..	97 dB(A)

WORKING RANGES 215LCsr

Working equipment

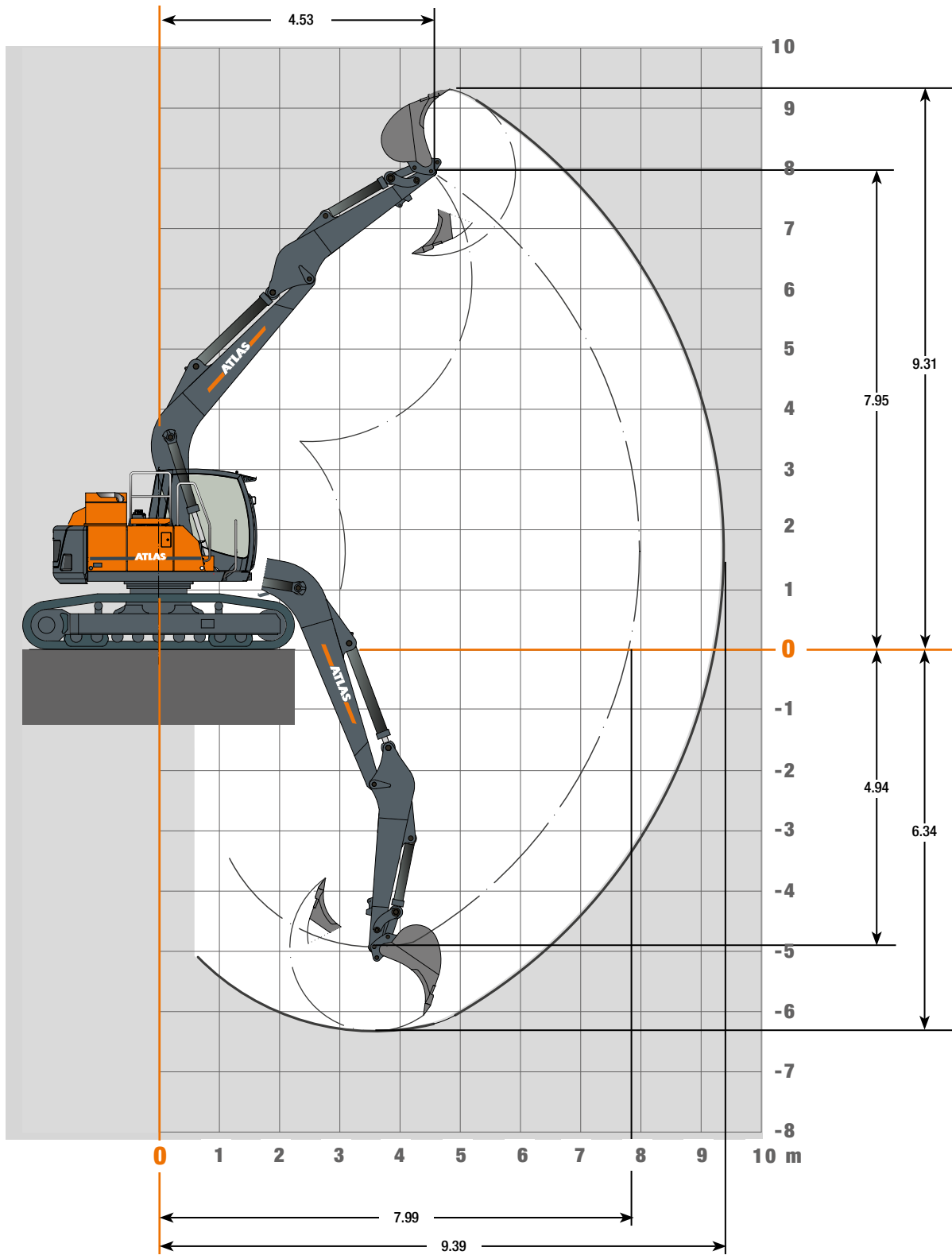
EQUIPMENT		
BASIC UNIT ATLAS 215LCsr (can be combined)		
<ul style="list-style-type: none"> Wheel Excavator 215LCsr with support/dozer blade (SDB), tailswing 1750 mm (4.5 t) 	STANDARD EQUIPMENT:	
	Hydraulic system:	<ul style="list-style-type: none"> Traveling per foot pedal
BOOMS:	<ul style="list-style-type: none"> Grab / grab rotating function 	<ul style="list-style-type: none"> Comfort seat with arm rests and orthopedic lumbar support
<ul style="list-style-type: none"> Base arm with 2 lifting cylinders and internal articulating cylinder (C66.41) Intermediate boom with stick cylinder, for base arm C66.41, working length 3300 mm (C66.46) Standard monoblock boom with two lifting cylinders and one stick cylinder, working length 4950 mm (C66.3M) 	<ul style="list-style-type: none"> Accumulator for emergency lowering of boom system Pipe-break protection valves for articulated and lifting cylinders 	EQUIPMENT:
	Cab:	<ul style="list-style-type: none"> Sealed pivot points in the case section of the boom
	<ul style="list-style-type: none"> Automatic climate control 	<ul style="list-style-type: none"> Central lubrication
STICKS:	<ul style="list-style-type: none"> Preparation for radio installation 	UNDERCARRIAGE:
<ul style="list-style-type: none"> Standart stick, working length 2200 mm (D63.2A) Special stick, working length 2700 mm (D63.3A) 	<ul style="list-style-type: none"> Slim steering column, height and tilt adjustable Fuel gauge Battery main switch in negative lead 	<ul style="list-style-type: none"> X frame Hydraulic traction drive with brake valve Service-free multi-disc brakes
BUCKET CYLINDER:	<ul style="list-style-type: none"> Windshield washer system 	<ul style="list-style-type: none"> Chain tensioning can be adjusted via oil cylinder
<ul style="list-style-type: none"> Bucket tipping cylinder with bucket linkage (F66.1) 	<ul style="list-style-type: none"> Sliding window in cab door Storage box 	<ul style="list-style-type: none"> Lubricated, sealed chains 4 lashing grommets on the undercarriage

SPECIAL EQUIPMENT		
Monoblock:	Engine:	Equipment:
<ul style="list-style-type: none"> Monoblock with stick cylinder 4.95 m (C66.3M) 	<ul style="list-style-type: none"> Refueling pump Auxiliary heating 	<ul style="list-style-type: none"> Automatically controlled and monitored electric central lubrication system GPS/GSM telemetric system for monitoring of operating data, consumption, position Xenon working lights
Stick for Monoblock:	<ul style="list-style-type: none"> Cold start assistance 	
<ul style="list-style-type: none"> Stick 2.70 m (D63.3A) 	Hydraulics:	Cab:
Adjustable booms:	<ul style="list-style-type: none"> Shear / sorting grab function with comfort pressure controller Grab and grab rotating function Up to two additional circuits 	<ul style="list-style-type: none"> Cab protection guard Working lights Beacon light
<ul style="list-style-type: none"> Base arm 3.30 m (C66.46) 	<ul style="list-style-type: none"> Floating function for the boom 	<ul style="list-style-type: none"> Radio CD/MP3, front AUX in, USB
Sticks for adjustable booms:	<ul style="list-style-type: none"> Hydraulic quick coupler Pipe-break protection for stick cylinder Pipe-break protection for bucket cylinder 	<ul style="list-style-type: none"> Heated driver's seat Electric cooling box
<ul style="list-style-type: none"> Stick 2.70 m (D63.3A) 	<ul style="list-style-type: none"> Bio oil 	Other special equipment: See price list

ATTACHMENTS (SELECTION)			
	Bucket F416	Bucket F417	Bucket F648
Content SAE	0.82 m ³	0.92 m ³	1.12 m ³
Cutting width	1000 mm	1100 mm	1300 mm

























WORKING RANGES 215LCsr

Working ranges Monoblock boom 4.95 m (C66.3M) with stick 2.70 m (D63.3A)



LIFTING CAPACITIES 215LCsr

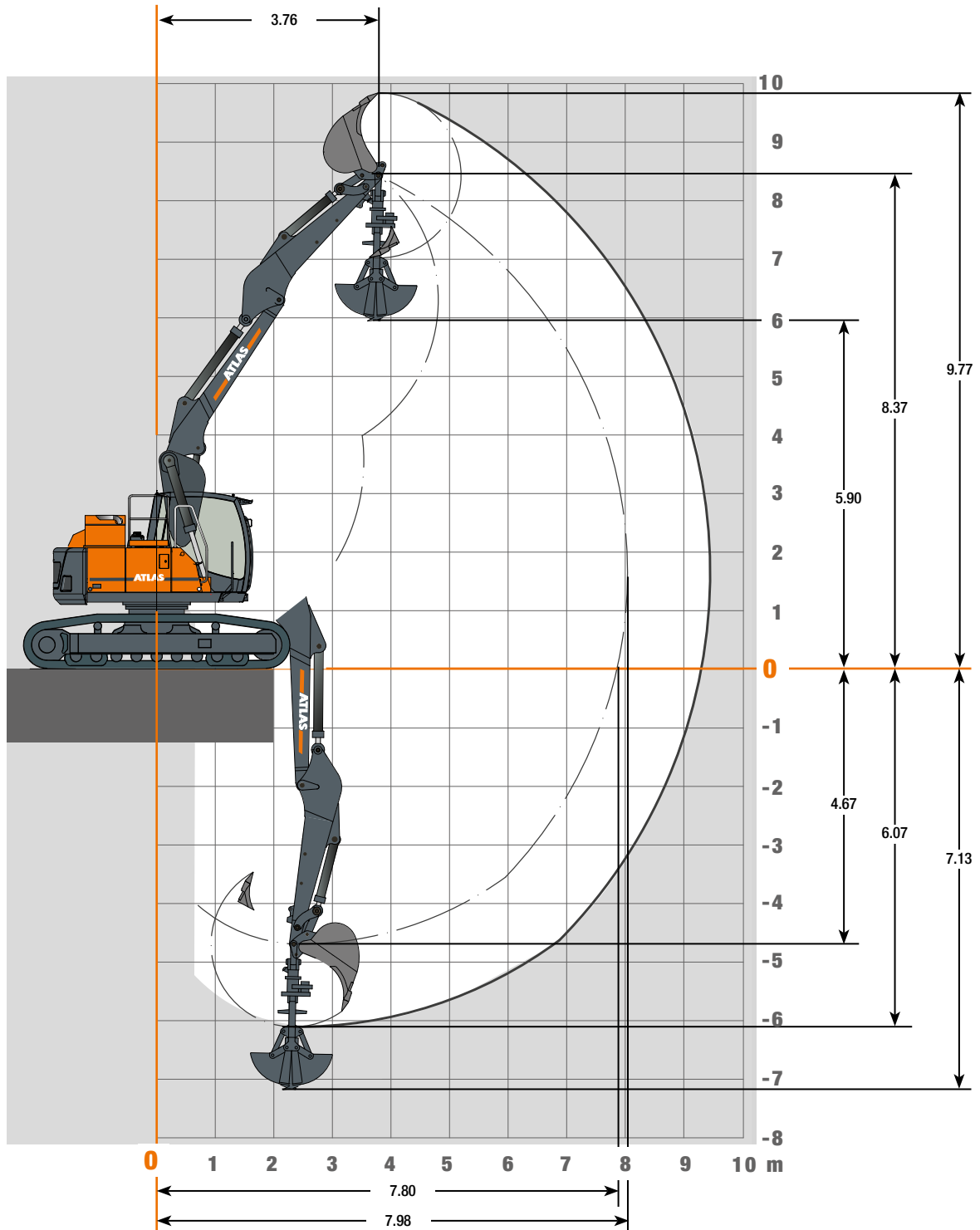
Lifting capacities Monoblock boom 4.95 m (C66.3M) with stick 2.70 m (D63.3A). Swing radius 1950 mm

Lifting capacities: Monoblock boom 4.95 m (C66.3M) with Stick 2.70 m (D63.3A). Swing radius 1950 mm													
Height	Undercarriage position	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
+ 8.0 m	FRONT 	0	0	0	0	0	0	0	0	0	0	0	0
	LATERAL 	0	0	0	0	0	0	0	0	0	0	0	0
+ 7.0 m	FRONT 	0	0	0	0	0	0	3799	0	0	0	0	0
	LATERAL 	0	0	0	0	0	0	3799	0	0	0	0	0
+ 6.0 m	FRONT 	0	0	0	0	0	0	3592	3691	3812	0	0	0
	LATERAL 	0	0	0	0	0	0	3592	3691	3812	0	0	0
+ 5.0 m	FRONT 	0	0	0	0	0	3768	3759	3759	3779	3844	0	0
	LATERAL 	0	0	0	0	0	3768	3759	3759	3779	*3451	0	0
+ 4.0 m	FRONT 	0	0	0	0	4509	4311	4159	4045	3964	3918	3815	0
	LATERAL 	0	0	0	0	4509	4311	4159	4045	*3827	*3432	*3091	0
+ 3.0 m	FRONT 	0	8648	7084	6133	5496	5044	4712	4461	4270	4129	4035	0
	LATERAL 	0	8648	7084	6133	5496	5044	4712	*4216	*3765	*3388	*3067	0
+ 2.0 m	FRONT 	0	0	9087	7545	6533	5827	5310	4922	4623	4390	4212	2451
	LATERAL 	0	0	*8829	*7262	*6142	*5302	*4648	*4124	*3695	*3336	*3030	2451
+ 1.0 m	FRONT 	0	0	10208	8585	7370	6493	5840	5340	4949	4636	4382	0
	LATERAL 	0	0	*8555	*7043	*5971	*5168	*4542	*4041	*3630	*3286	*2994	0
+ 0 m	FRONT 	0	7057	10754	9101	7865	6930	6208	5640	5183	4806	4479	0
	LATERAL 	0	7057	*8441	*6924	*5863	*5075	*4465	*3978	*3579	*3247	*2967	0
- 1.0 m	FRONT 	0	10088	10687	9183	8013	7095	6360	5762	5263	4830	3186	0
	LATERAL 	0	10088	*8427	*6882	*5812	*5026	*4422	*3941	*3551	*3231	*2969	0
- 2.0 m	FRONT 	0	11960	10251	8914	7847	6980	6263	5653	5109	4223	0	0
	LATERAL 	0	*10921	*8470	*6906	*5824	*5030	*4424	*3947	*3564	*3258	0	0
- 3.0 m	FRONT 	0	10859	9399	8242	7294	6493	5791	5125	0	0	0	0
	LATERAL 	0	10859	*8554	*6972	*5876	*5076	*4468	*3996	0	0	0	0

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.



















WORKING RANGES 215LCsr

Working ranges Adjustable boom 3.30 m (C66.41/C66.46) with stick 2.70 m (D63.3A)



LIFTING CAPACITIES 215LCsr

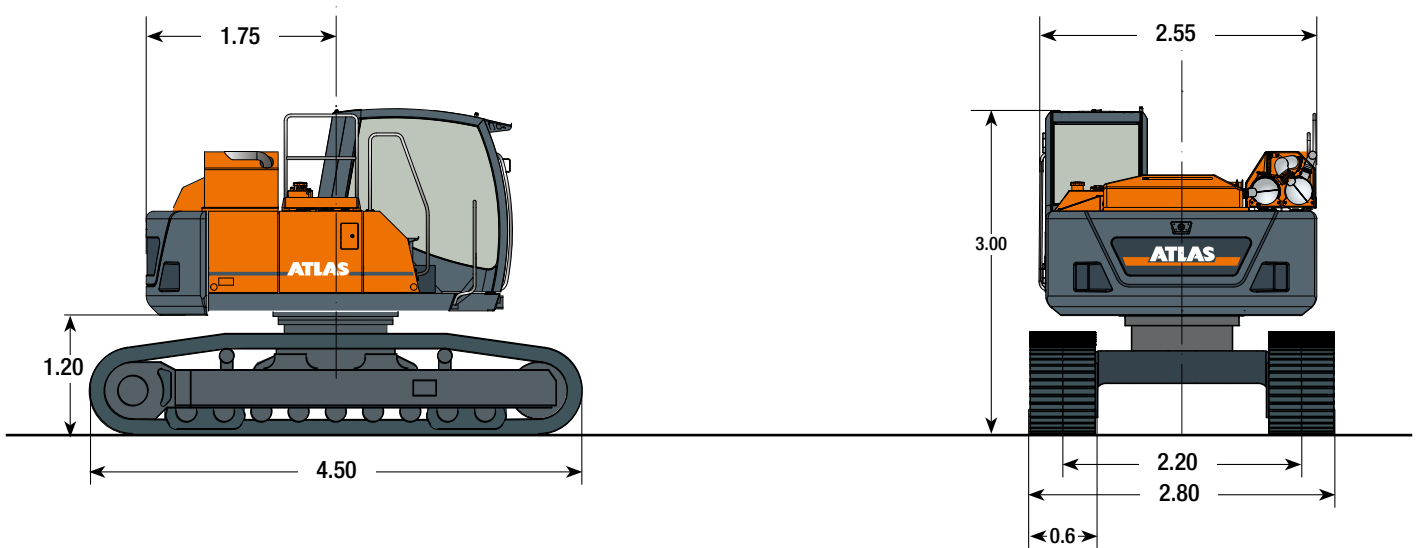
Lifting capacities Adjustable boom 3.30 m (C66.41/C66.46) with Stick 2.70 m (D63.3A).
Swing radius 1750 mm

Lifting capacities: Adjustable boom 3.30 m (C66.41/C66.46) with Stick 2.70 m (D63.3A). Swing radius 1750 mm													
Height	Undercarriage position	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
+ 7.5 m	FRONT 	0	0	0	0	4447	4532	0	0	0	0	0	0
	LATERAL 	0	0	0	0	4447	4532	0	0	0	0	0	0
+ 6.0 m	FRONT 	0	0	0	0	0	4133	4102	4094	4071	0	0	0
	LATERAL 	0	0	0	0	0	4133	4102	*3763	*3247	0	0	0
+ 4.5 m	FRONT 	0	0	0	5016	4755	4541	4367	4226	4116	4042	0	0
	LATERAL 	0	0	0	5016	4755	4541	*4227	3744	*3342	*2908	0	0
+ 3.0 m	FRONT 	9497	9251	7645	6621	5911	5390	4993	4682	4434	4234	4074	0
	LATERAL 	9497	9251	7645	*6400	*5436	*4707	*4145	*3688	*3322	*2911	*2547	0
+ 1.5 m	FRONT 	10942	10476	9798	8194	7081	6272	5662	5187	4806	4493	4225	2830
	LATERAL 	10942	9469	*7539	6252	*5321	*4627	*4092	*3666	*3257	*2842	*2496	*2206
+ 0 m	FRONT 	13588	12021	10263	8747	7612	6730	6032	5470	5003	4609	4275	0
	LATERAL 	12816	9507	*7546	*6254	*5333	*4659	*4074	*3569	*3102	*2723	*2410	0
- 1.5 m	FRONT 	15875	12581	10397	8850	7700	6815	6117	5583	5091	4457	0	0
	LATERAL 	*12735	*9373	*7399	*6094	*5161	*4457	*3855	*3348	*2942	*2622	0	0
- 3.0 m	FRONT 	16419	13055	10849	9251	7962	6863	5836	4733	0	0	0	0
	LATERAL 	*12581	*9221	*7264	*5933	*4956	*4234	*3682	*3249	0	0	0	0
- 4.5 m	FRONT 	12184	9437	7351	0	0	0	0	0	0	0	0	0
	LATERAL 	12184	*9227	*7202	0	0	0	0	0	0	0	0	0

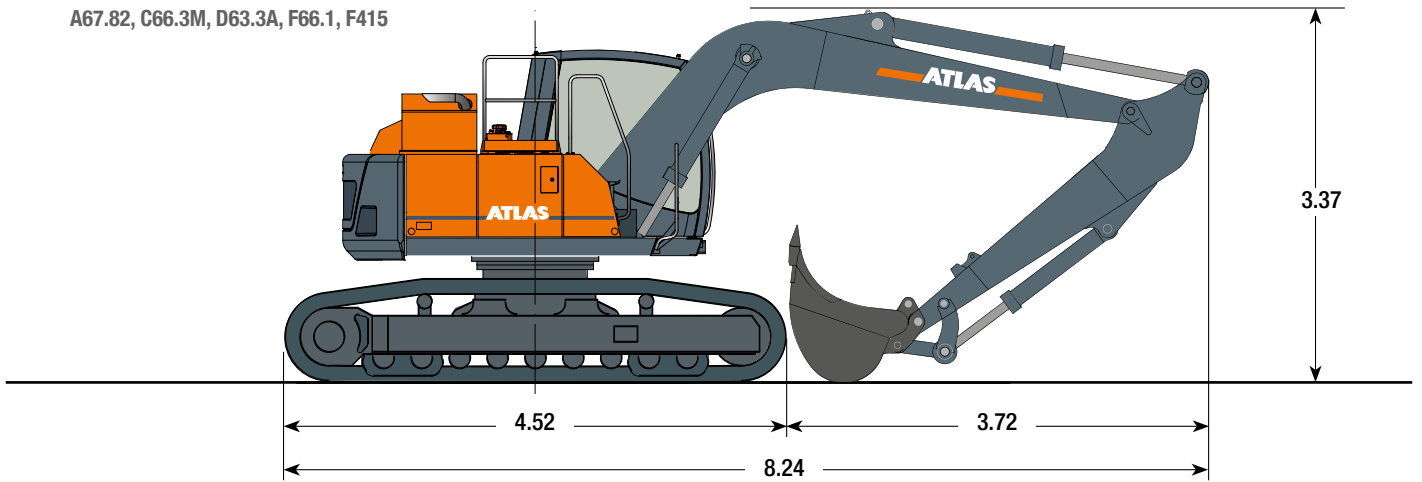
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DIMENSION 215LCsr

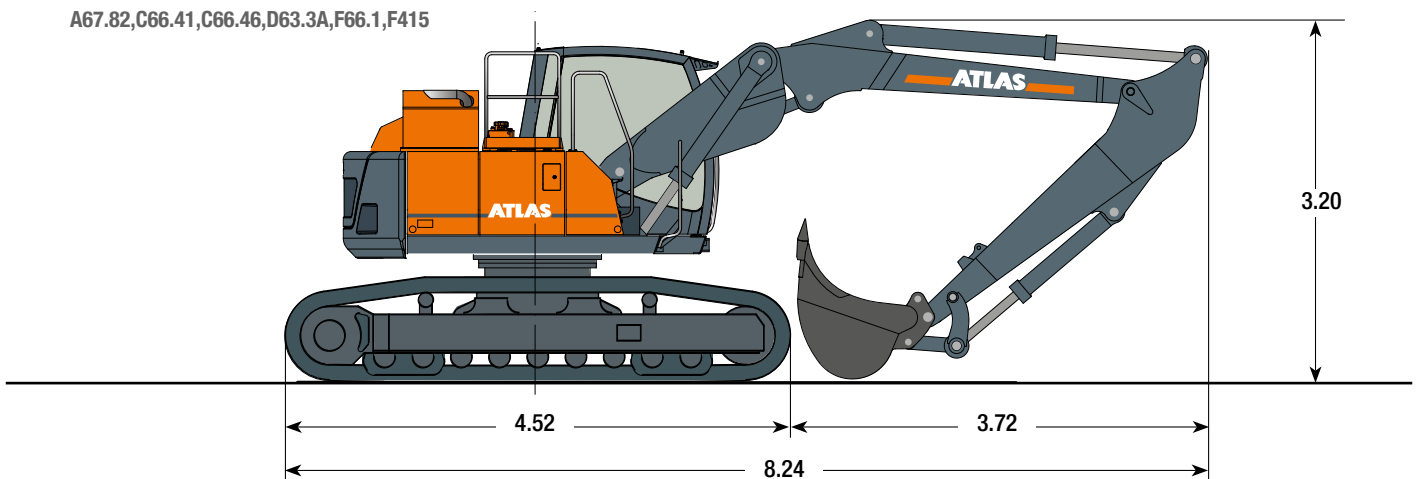
Dimensions



A67.82, C66.3M, D63.3A, F66.1, F415



A67.82, C66.41, C66.46, D63.3A, F66.1, F415



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