

ATLAS

SINCE 1919

**STABLE.
STRONG.
STEADY.**

-  18.9 - 20.8 t
-  116 kW (158 HP)
-  0.76 - 1.3 m³



WHEELED EXCAVATOR 190W

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TECHNICAL SPECIFICATION 190W

Technical specifications

ENGINE

Power rating acc. to ISO 9249.....116 kW (158 HP)	Displacement..... 6700 cm ³	Battery 2 x 12 V / 100 Ah
RPM1800/min	Number of cylinders 6	Generator..... 24 V / 70 A
Make / model Cummins QSB 6.7 (Tier4 F)	Cooling system Water-cooled	Starter..... 24 V / 3.2 kW
Design..... Turbocharger/charge-air cooling	Air filter..... Dry air filter	

HYDRAULIC SYSTEM

• Load limit controlled high-performance pump	• Suction valves for all work functions	• Pipe break protection valves for lifting and articulated cylinders
• Load Sensing hydraulic system	• Load-retaining and fine lowering valves in lifting circuit	• 2 additional circuits for additional consumer loads possible
• 7 consumer loads in one valve block equipped as standard	• Pump flow control	• Max. oil flow 380 l/min
• Sensitive, proportional, independent control	• Proportional grab/grab rotating function	• Max. operating pressure 340 (370)* bar
• Primary and secondary protection against overload	• Fuel-efficient flow-on-demand control	• Operating modes: 3 pre-programmed modes (Fine, Eco, Power)

SWING ASSEMBLY

• Swing motor:	Axial piston motor with priority valve	• Max. swing speed11/min
• Swing gear:	Planetary transmission	• Swing torque63.2 kNm
• Swing brake:	Automatically controlled multi-disc brake	

TRACTION DRIVE AND BRAKES

• Variable displacement motor	• Automotive drive and cruise control	• Tractive force..... 91.8 kN
• Power-shift transmission	• Max. speed..... 20 km/h	• Max. gradeability..... 55 %
• Double-acting brake valve	• Off-road speed 5 km/h	• Dual-circuit brake system Multi-disc
• Travel direction pre-selection via buttons in joystick	• Crawling speed..... 1 km/h	• Parking brake Multi-disc

UNDERCARRIAGE

• 40 tons special excavator axles	• 8 tires (twins) 16 PR 10.00 - 20
• Steering axle with automatic oscillating axle locking	

FILL CAPACITIES

• Fuel tank 382 litres	• Engine oil.....20 litres	• Hydraulic system..... 290 litres
• Cooling system42 litres	• Hydraulic tank224 litres	• AdBlue [®] tank 18.9 litres

DRIVER'S CAB

• Meets latest safety standards	CONTROL:	CLIMATE CONTROL:
• Extra large entry zone	• Ergonomic joysticks with proportional slide control	• Air conditioning equipped as standard
• 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:
DRIVER'S SEAT:	MONITORING:	• ISO 6396 (L _{pA}) in driver's cab 74 dB(A)
• Air-cushioned comfort seat (seat heating optional)	• Operating data display screen	• 2000/14 EG (L _{wA}) ambience level 102 dB(A)
• Arm rests and lumbar support	• Automatic system for monitoring, warning and storage of data	
• Seat adjustable separately from console		

* values when power boost switched on

WORKING EQUIPMENT 190W

Working equipment

OPERATING WEIGHTS

	MONOBLOCK BOOM 5.68 m (C21.3M)		ADJUSTABLE BOOM Base arm 1.95 m (C21.41) Boom 3.41 m (C21.46)	
	Stick 2.70 m (D21.2)	Stick 3.20 m (D21.3)	Stick 2.15 m (D21.23)	Stick 2.65 m (D21.33)
Support and dozer blade	18.9 t	18.9 t	19.2 t	19.2 t
SDB / outriggers	20.3 t	20.3 t	20.6 t	20.6 t
4 outriggers	20.5 t	20.5 t	20.8 t	20.8 t

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

EQUIPMENT

BASIC UNIT ATLAS 190W (can be combined)

- Wheel Excavator 190W with support and dozer blade and 2 lifting cylinders (A19.2)
- Wheel Excavator 190W with 4x outrigger support and 2 lifting cylinders (A19.32)
- Wheel Excavator 190W with support and dozer blade on rigid axle, 2x outrigger support on steering axle and 2 lifting cylinders (A19.33)
- Wheel Excavator 190W with support and dozer blade on steering axle, 2x outrigger support on rigid axle and 2 lifting cylinders (A19.35)
- * SDB = support and dozer blade

STANDARD EQUIPMENT:

Engine:

- Automatic idling system
- Diesel pre-filter
- Engine monitoring

- Bottle holder

- Rear area security camera with LCD color monitor
- Right side camera
- Slim steering column, height and tilt adjustable

- Seat can be adjusted separately from console

- Heat-absorbing glass, tinted windows
- Automotive drive and cruise control
- Operating data display screen

BOOMS:

- Monoblock boom with stick cylinder 5.68 m (C21.3M)
- Adjustable boom consisting of base arm 1.95 m (C21.41) with adjusting cylinder plus boom 3.41 m (C21.46) with stick cylinder

Hydraulic system:

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

- Automatic working brake

EQUIPMENT:

- Joint bearings in stick and bucket cylinders
- Combined lubricating points for swing bearing and arm equipment
- Spacious and lockable storage space in superstructure

STICKS:

- Stick 2.70 m (D21.2) for monoblock boom
- Stick 3.20 m (D21.3) for monoblock boom
- Stick 2.15 m (D21.23) for adjustable boom
- Stick 2.65 m (D21.33) for adjustable boom

Cab:

- Air-conditioning
- Radio preparation with mute function
- Ready for electric cooling box
- Different options for storage, compartment for documents

UNDERCARRIAGE:

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

BUCKET TIPPING CYLINDER:

- Bucket tipping cylinder with bucket linkage (F64.1)

ADDITIONAL EQUIPMENT

Engine:

- Refueling pump
- Engine speed adjustment via potentiometer
- Auxiliary heating
- Cold start assistance

Working equipment:

- Automatically controlled and monitored electric central lubrication system

- Alarm-signal while driving

- Head rest

- Proportional operating of supports by slide in joystick
- Electric cooling box

Hydraulic system:

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

Cab:

- Cab protection guard
- Beacon light
- Heated driver's seat
- Radio CD/MP3, front AUX in, USB
- Cab elevation
- GPS/GSM telemetric system for monitoring of operating data, consumption, position
- LED working lights

Undercarriage:

- Wide axles (overall width 2750 mm)
- Wide dozer blade (2750 mm)
- High-speed version

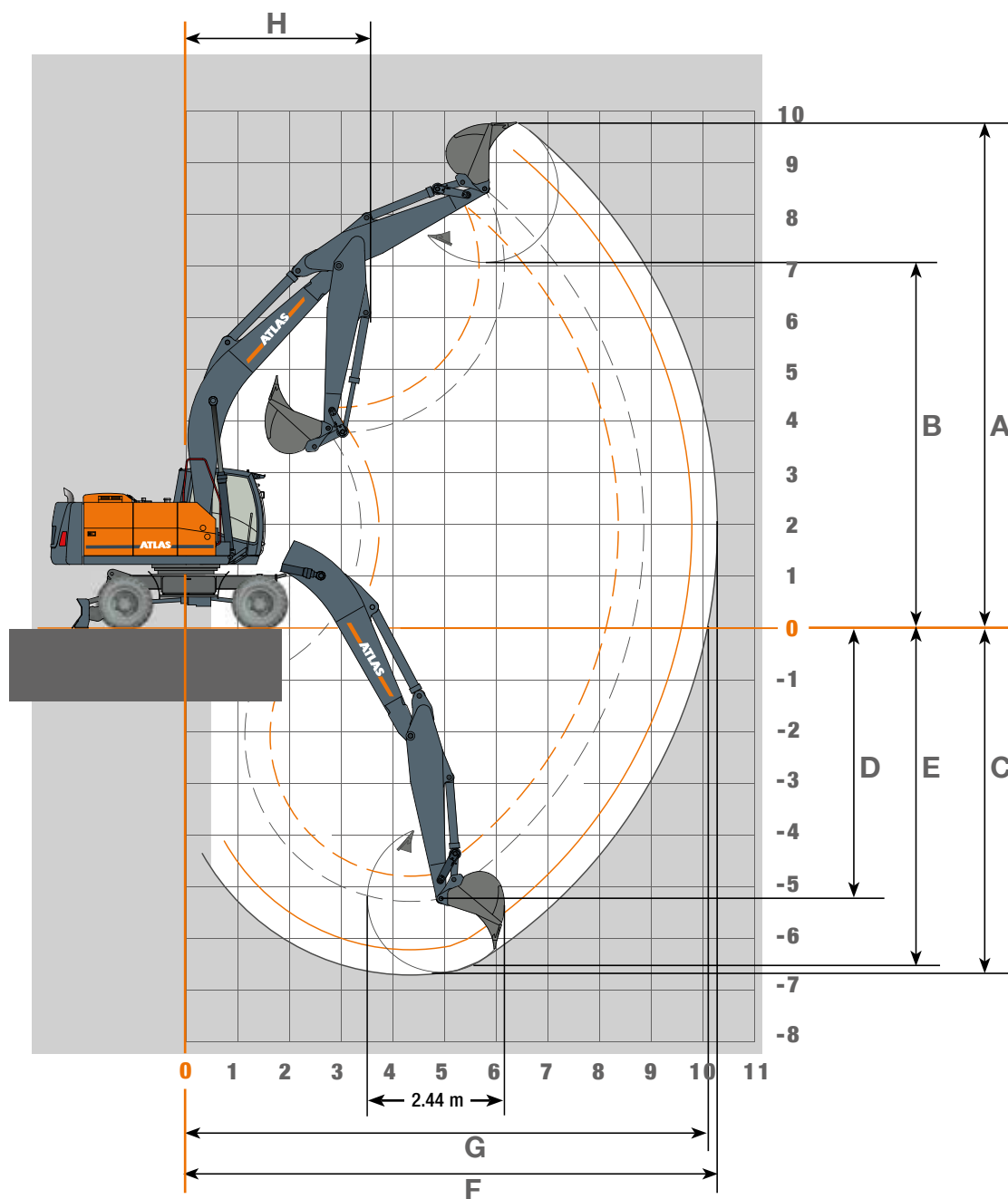
Further special equipment: See price list

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

WORKING RANGES 190W

Working ranges Monoblock boom 5.68 m (C21.3M)



STICK LENGTHS	2.70 m (D21.2)	3.20 m (D21.3)
A Max. digging height	9.54 m	9.77 m
B Max. dumping height	6.83 m	7.06 m
C Max digging depth	6.21 m	6.71 m
D Max. vertical wall digging depth	4.20 m	4.65 m
E Max. digging depth of cut for 2.44 m level	5.95 m	6.45 m
F Max. digging reach	9.77 m	10.27 m
G Max. digging reach at ground level	9.30 m	10.10 m
H Min. front swing radius	3.64 m	3.61 m
Max. bucket digging force	132 kN	132 kN
Max. stick digging force	92 kN	82 kN

Unit is equipped with monoblock boom 5.68 m (C21.3M).

LIFTING CAPACITIES 190W

Lifting capacities Monoblock boom 5.68 m (C21.3M)

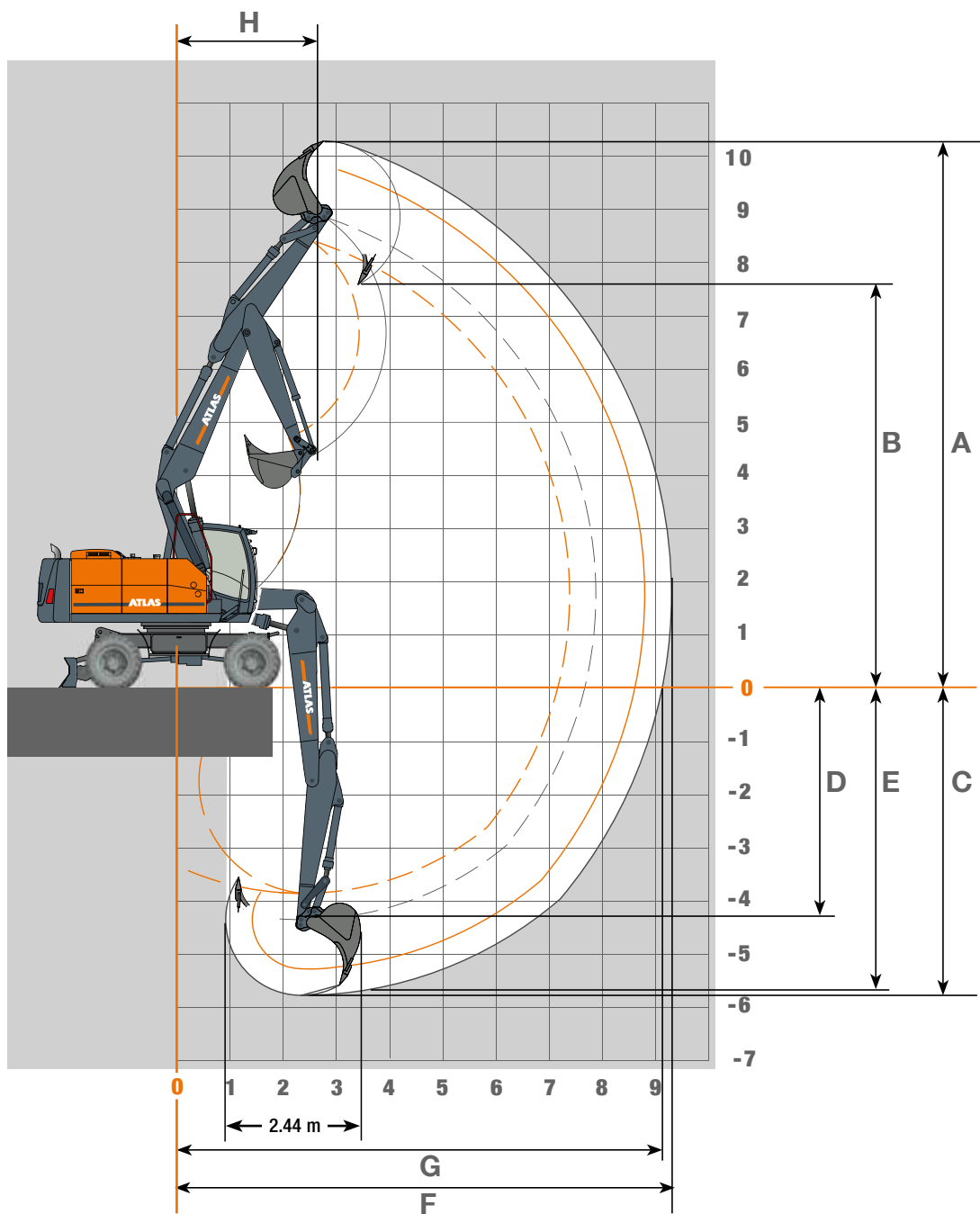
Lifting capacities Monoblock boom 5.68 m (C21.3M) and stick 2.70 m (D21.2). Max reach 9,77 m															
Height	Undercarriage type			3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m	8.0 m	8.5 m
+7.5 m	FRONT		SDB rear, supported							5963					
	LATERAL		SDB front, raised							4998*					
+6.0 m	FRONT		SDB supported							3621*					
	LATERAL		SDB raised							3264*					
+ 4.5 m	FRONT		SDB rear, supported				7787	7255	6841	6515	6255	6052	5766*	5168*	
	LATERAL		SDB front, raised				7554*	6389*	5505*	4811*	4250*	3785*	3390*	3043*	
+ 3.0 m	FRONT		SDB supported				5298*	4530*	3930*	3448*	3050*	2716*	2427*	2169*	
	LATERAL		SDB raised				4739*	4061*	3527*	3095*	2737*	2434*	2172*	1936*	
+ 1.5 m	FRONT		SDB rear, supported			11242	9775	8740	7973	7384	6921	6306*	5646*	5093*	
	LATERAL		SDB front, raised			8312*	6962*	5957*	5181*	4564*	4060*	3641*	3285*	2977*	
+ 0 m	FRONT		SDB supported			5576*	4770*	4139*	3633*	3219*	2874*	2581*	2328*	2106*	
	LATERAL		SDB raised			4917*	4228*	3681*	3237*	2871*	2564*	2302*	2075*	1874*	
-1.5 m	FRONT		SDB rear, supported			8850	11335	9995	8978	7840*	6893*	6135*	5515*	4997*	4557*
	LATERAL		SDB front, raised			7689*	6479*	5581*	4886*	4330*	3874*	3494*	3171*	2893*	2650*
-3.0 m	FRONT		SDB supported			5033*	4341*	3799*	3363*	3003*	2701*	2444*	2221*	2027*	1854*
	LATERAL		SDB raised			4393*	3812*	3350*	2974*	2660*	2395*	2167*	1970*	1796*	1641*
- 4.5 m	FRONT		SDB rear, supported		6362	10363	11822	10437*	8838*	7655*	6742*	6015*	5422*	4935*	
	LATERAL		SDB front, raised		6362	7491*	6258*	5376*	4705*	4176*	3747*	3391*	3091*	2839*	
- 5.5 m	FRONT		SDB supported		5900*	4860*	4144*	3614*	3198*	2862*	2583*	2347*	2145*	1975*	
	LATERAL		SDB raised		5098*	4227*	3621*	3169*	2813*	2522*	2279*	2072*	1895*	1745*	
- 6.5 m	FRONT		SDB rear, supported	9090	11748	12768	11425	10284	8789*	7609*	6706*	5995*	5426*		
	LATERAL		SDB front, raised	9090	9441*	7526*	6253*	5345*	4666*	4138*	3716*	3373*	3094*		
- 7.5 m	FRONT		SDB supported	7653*	5973*	4891*	4139*	3586*	3162*	2826*	2554*	2331*	2148*		
	LATERAL		SDB raised	6563*	5168*	4256*	3617*	3143*	2778*	2487*	2251*	2056*	1898*		
- 8.5 m	FRONT		SDB rear, supported	13826	12424	11205	10135	9187	8334	7545	6762				
	LATERAL		SDB front, raised	12878*	9638*	7678*	6371*	5440*	4748*	4216*	3801*				
- 9.5 m	FRONT		SDB supported	7855*	6139*	5023*	4244*	3672*	3237*	2898*	2633*				
	LATERAL		SDB raised	6755*	5327*	4384*	3718*	3226*	2851*	2557*	2328*				
- 10.5 m	FRONT		SDB rear, supported		8939	8116	7295	6420							
	LATERAL		SDB front, raised		8939	7988*	6646*	5702*							
- 11.5 m	FRONT		SDB supported		6451*	5294*	4489*	3908*							
	LATERAL		SDB raised		5626*	4644*	3955*	3456*							

Lifting capacities Monoblock boom 5.68 m (C21.3M) and stick 3.20 m (D21.3). Max reach 10.27 m															
Height	Undercarriage type			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	8.5 m
+7.5 m	FRONT		SDB rear, supported								5237				
			SDB front, raised								4495*				
	LATERAL		SDB supported								3277*				
		SDB raised								2959*					
+6.0 m	FRONT		SDB rear, supported								5413	5382	5245		
			SDB front, raised								4482*	3967*	3529*		
	LATERAL		SDB supported								3265*	2885*	2557*		
		SDB raised								2947*	2600*	2299*			
+ 4.5 m	FRONT		SDB rear, supported						6349	6092	5883	5713	5579	5256*	4146
			SDB front, raised						5633*	4916*	4339*	3863*	3463*	3118*	2811*
	LATERAL		SDB supported						4044*	3543*	3132*	2788*	2494*	2238*	2005*
		SDB raised						3638*	3187*	2817*	2505*	2237*	2003*	1790*	
+ 3.0 m	FRONT		SDB rear, supported		12061	10280	9066	8188	7526	7011	6602	6271	5709*	5151*	4676*
			SDB front, raised		10620*	8566*	7139*	6089*	5284*	4647*	4129*	3700*	3337*	3026*	2753*
	LATERAL		SDB supported		6966*	5794*	4925*	4256*	3725*	3294*	2937*	2635*	2376*	2150*	1951*
		SDB raised		6117*	5126*	4377*	3794*	3327*	2944*	2625*	2354*	2121*	1917*	1736*	
+ 1.5 m	FRONT		SDB rear, supported			12565	10856	9602	8651	7906*	6947*	6181*	5555*	5032*	4589*
			SDB front, raised			7811*	6574*	5656*	4946*	4380*	3916*	3530*	3202*	2921*	2676*
	LATERAL		SDB supported			5136*	4422*	3864*	3416*	3048*	2739*	2476*	2249*	2051*	1877*
		SDB raised			4492*	3890*	3413*	3025*	2703*	2431*	2198*	1996*	1820*	1663*	
+ 0 m	FRONT		SDB rear, supported		7288	11300	11699	10379	8859*	7675*	6760*	6030*	5435*	4940*	4524*
			SDB front, raised		7288	7468*	6262*	5386*	4718*	4188*	3758*	3400*	3098*	2839*	2618*
	LATERAL		SDB supported		5816*	4837*	4144*	3620*	3207*	2871*	2591*	2354*	2151*	1975*	1823*
		SDB raised		5016*	4203*	3620*	3175*	2821*	2530*	2286*	2079*	1900*	1744*	1610*	
-1.5 m	FRONT		SDB rear, supported		11106	13087	11612	10342*	8749*	7577*	6678*	5968*	5394*	4925*	
			SDB front, raised		9286*	7426*	6184*	5296*	4628*	4108*	3689*	3346*	3062*	2827*	
	LATERAL		SDB supported		5838*	4801*	4075*	3539*	3125*	2796*	2527*	2304*	2117*	1963*	
		SDB raised		5037*	4168*	3554*	3096*	2741*	2457*	2223*	2030*	1867*	1732*		
-3.0 m	FRONT		SDB rear, supported	14079	13329	11879	10665	9632	8739	7628*	6730*	6030*			
			SDB front, raised	12609*	9453*	7542*	6266*	5355*	4675*	4149*	3733*	3400*			
	LATERAL		SDB supported	7633*	5979*	4902*	4148*	3593*	3168*	2835*	2568*	2354*			
		SDB raised	6543*	5173*	4266*	3624*	3148*	2783*	2495*	2264*	2079*				
- 4.5 m	FRONT		SDB rear, supported	11630	10435	9405	8484	7633	6797	5882					
			SDB front, raised	11630	9779*	7806*	6489*	5555*	4864*	4347*					
	LATERAL		SDB supported	7976*	6255*	5131*	4346*	3773*	3341*	3017*					
		SDB raised	6868*	5437*	4487*	3816*	3324*	2951*	2673*						

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 190W

Working ranges Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.41 m (C21.46)



STICK LENGTHS	2.15 m (D21.23)	2.65 m (D21.33)
A Max. digging height	9.90 m	10.30 m
B Max. dumping height	7.20 m	7.60 m
C Max. digging depth	5.30 m	5.80 m
D Max. vertical wall digging depth	3.88 m	4.38 m
E Max. digging depth of cut for 2.44 m level	5.20 m	5.70 m
F Max. digging reach	8.84 m	9.34 m
G Max. digging reach at ground level	8.65 m	9.15 m
H Min. front swing radius	2.75 m	2.73 m
Max. bucket digging force	125 kN	118 kN
Max. stick digging force	98 kN	84 kN

Unit is equipped with standard adjustable boom: base arm 1.95 m (C21.41) and boom 3.41 m (C21.46).

LIFTING CAPACITIES 190W

Lifting capacities Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.41 m (C21.46)

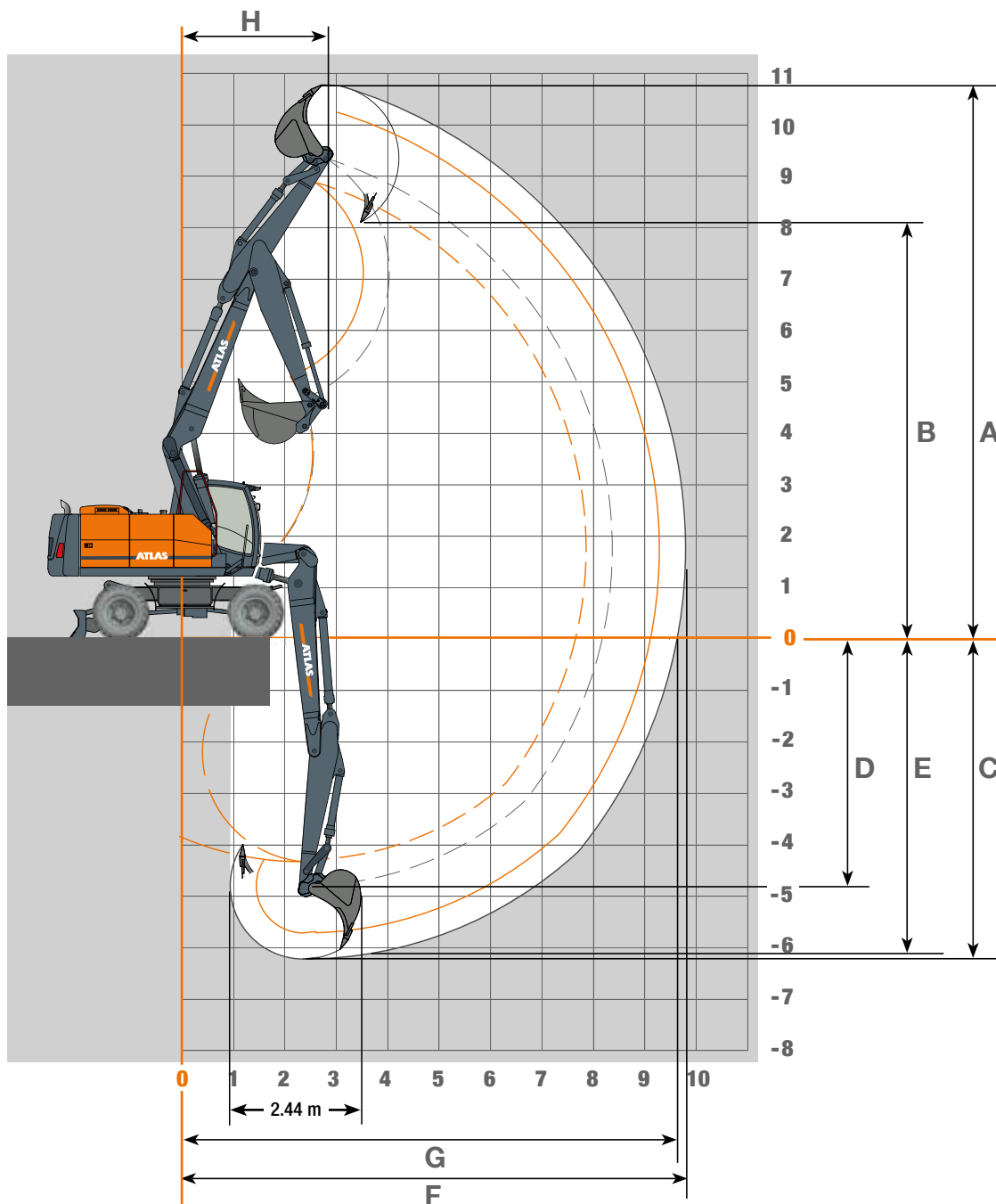
Lifting capacities Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.41 m (C21.46) with stick 2.15 m (D21.23). Max reach 8.94 m												
Height	Undercarriage type		3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+7.5 m	FRONT		SDB rear, supported		6127	6037	5824					
			SDB front, raised		6127	6037	5824					
	LATERAL		SDB supported		6127	6037	5615*					
			SDB raised		6127	6037	5038*					
+6.0 m	FRONT		SDB rear, supported		5987	5757	5576	5441	5360	5263		
			SDB front, raised		5987	5757	5576	5441	5360	4942*		
	LATERAL		SDB supported		5987	5757	5576	4922*	4209*	3547*		
			SDB raised		5987	5757	5222*	4484*	3793*	3185*		
+ 4.5 m	FRONT		SDB rear, supported	8429	7468	6789	6288	5907	5614	5391	5236	
			SDB front, raised	8429	7468	6789	6288	5907	5614	4992*	4372*	
	LATERAL		SDB supported	8429	7468	6613*	5616*	4856	4263*	3693*	3146*	
			SDB raised	8429	7233*	6007*	5111	4433*	3898	3329*	2825*	
+ 3.0 m	FRONT		SDB rear, supported	9166	9429	8631	7582	6837	6282	5856	5523	5264
			SDB front, raised	9166	9429	8631	7352*	6330*	5557*	4943*	4371*	3788*
	LATERAL		SDB supported	9166	7709*	6409*	5477	4770*	4215*	3687*	3147*	2702*
			SDB raised	8615*	6955*	5822*	4990*	4355*	3861*	3323*	2826*	2416*
+ 1.5 m	FRONT		SDB rear, supported	11856	11100	10033	8676	7677	6920	6329	5855	5461
			SDB front, raised	11856	10541*	8609	7266	6284*	5534*	4932*	4256*	3706*
	LATERAL		SDB supported	9485*	7608*	6335*	5423*	4746	4185*	3547*	3039*	2624*
			SDB raised	8510*	6858*	5752*	4946*	4350*	3772*	3186*	2720*	2339*
+ 0 m	FRONT		SDB rear, supported	14113	12004	10265	8968	7963	7161	6510	5980	5496
			SDB front, raised	13749*	10659	8695*	7348*	6402*	5465*	4685*	4073*	3580*
	LATERAL		SDB supported	9638*	7704*	6356*	5367*	4591*	3877*	3313*	2866*	2506*
			SDB raised	8472*	6812*	5658*	4797*	4113*	3468*	2957*	2551*	2223*
-1.5 m	FRONT		SDB rear, supported	14676	12207	10445	9133	8158	7369	6546	5534	
			SDB front, raised	14105	10974*	8791*	7192*	6017*	5132*	4464*	3941*	
	LATERAL		SDB supported	9106*	7225*	5957*	4944*	4165*	3564*	3106*	2743*	
			SDB raised	7924*	6354*	5273*	4388*	3699*	3163*	2754*	2430*	
-3.0 m	FRONT		SDB rear, supported	14956	12257	10214	8502	6923				
			SDB front, raised	14019*	10476*	8320*	6859*	5820*				
	LATERAL		SDB supported	8719*	6804*	5546*	4647*	3987*				
			SDB raised	7557*	5951*	4878*	4100*	3525*				

Lifting capacities Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.41 m (C21.46) with stick 2.65 m (D21.33). Max reach 9.34 m												
Height	Undercarriage type		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
+7.5 m	FRONT		SDB rear, supported			5173	5177	5244				
			SDB front, raised			5173	5177	5244				
	LATERAL		SDB supported			5173	5177	4921*				
			SDB raised			5173	5177	4433*				
+6.0 m	FRONT		SDB rear, supported			5081	4995	4920	4863	4837	4524	
			SDB front, raised			5081	4995	4920	4863	4837	4427*	
	LATERAL		SDB supported			5081	4995	4920	4340*	3760*	3199*	
			SDB raised			5081	4995	4553*	3962*	3393*	2877*	
+ 4.5 m	FRONT		SDB rear, supported	6857	6555	6093	5732	5446	5216	5032	4891	4795
			SDB front, raised	6857	6555	6093	5732	5446	5216	5020*	4481*	3941*
	LATERAL		SDB supported	6857	6555	6093	5663*	4891*	4288*	3807*	3319*	2849*
			SDB raised	6857	6555	6086*	5165*	4473*	3924*	3482	2996*	2559*
+ 3.0 m	FRONT		SDB rear, supported	9255	9216	7945	7069	6431	5947	5569	5270	5030
			SDB front, raised	9255	9216	7945	7069	6361*	5567*	4940*	4436*	3937*
	LATERAL		SDB supported	9255	7748*	6443*	5492*	4777*	4213*	3766*	3311*	2849*
			SDB raised	8694*	7018	5859	5008*	4361*	3854	3452*	2988*	2560*
+ 1.5 m	FRONT		SDB rear, supported	11652	11081	9637	8350	7409	6697	6141	5696	5330
			SDB front, raised	11652	10513*	8586*	7245*	6254*	5504	4911*	4406*	3836*
	LATERAL		SDB supported	9467*	7580*	6309*	5404	4711	4184*	3730*	3192*	2754*
			SDB raised	8473*	6839*	5735*	4918	4307*	3836*	3370*	2872*	2466*
+ 0 m	FRONT		SDB rear, supported	13599	11888	10189	8904	7900	7102	6455	5918	5467
			SDB front, raised	13599	10555*	8618*	7272	6294*	5568*	4844*	4196*	3674*
	LATERAL		SDB supported	9520*	7623*	6345	5452*	4713*	4078	3470*	2990*	2599*
			SDB raised	8525	6888*	5767	4918*	4230*	3664*	3110*	2671*	2314*
-1.5 m	FRONT		SDB rear, supported	14500	12062	10319	9015	8007	7211	6607	5993	5201
			SDB front, raised	13890	10822*	8876*	7389*	6190*	5265*	4551*	3990*	3547*
	LATERAL		SDB supported	9230*	7328*	6048*	5116*	4336*	3688*	3184*	2787*	2473*
			SDB raised	8040*	6452*	5360*	4554*	3864*	3283*	2830*	2472*	2191*
-3.0 m	FRONT		SDB rear, supported	15175	12627	10745	9244	7951	6724	5411		
			SDB front, raised	14244*	10622*	8401*	6909*	5843*	5042*	4424*		
	LATERAL		SDB supported	8895*	6922*	5613*	4689*	4006*	3479*	3066*		
			SDB raised	7723*	6063*	4941*	4140*	3543*	3079*	2715*		

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 190W

Working ranges Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.83 m (C21.461)



STICK LENGTHS	2.15 m (D21.23)	2.65 m (D21.33)
A Max. digging height	10.36 m	10.78 m
B Max. dumping height	7.64 m	8.10 m
C Max digging depth	5.72 m	6.22 m
D Max. vertical wall digging depth	4.29 m	4.79 m
E Max. digging depth of cut for 2.44 m level	5.60 m	6.10 m
F Max. digging reach	9.29 m	9.79 m
G Max. digging reach at ground level	9.10 m	9.60 m
H Min. front swing radius	2.88 m	2.88 m
Max. bucket digging force	125 kN	118 kN
Max. stick digging force	98 kN	84 kN

Unit is equipped with standard adjustable boom: base arm 1.95 m (C21.41) and boom 3.83 m (C21.461).

LIFTING CAPACITIES 190W

Lifting capacities Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.83 m (C21.461)

Lifting capacities Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.83 m (C21.461) with stick 2.15 m (D21.23). Max reach 9.29 m

Height	Undercarriage type		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
+7.5 m	FRONT 	SDB rear, supported			5523	5443	5452					
		SDB front, raised			5523	5443	5452					
	LATERAL 	SDB supported			5523	5443	4812*					
		SDB raised			5523	5165*	4331*					
+6.0 m	FRONT 	SDB rear, supported		6013	5706	5463	5272	5129	5037	5037		
		SDB front, raised		6013	5706	5463	5272	5129	5017*	4380*		
	LATERAL 	SDB supported		6013	5706	5463	4878*	4251*	3678*	3160*		
		SDB raised		6013	5706	5150*	4433*	3867*	3317*	2841*		
+ 4.5 m	FRONT 	SDB rear, supported	7766	7931	7039	6408	5940	5582	5306	5096	4949	
		SDB front, raised	7766	7931	7039	6408	5940	5582	4964*	4434*	3907*	
	LATERAL 	SDB supported	7766	7838*	6484*	5509	4774*	4197*	3727*	3253*	2819*	
		SDB raised	7766	7064	5875*	5009	4349*	3822*	3400*	2932*	2533*	
+ 3.0 m	FRONT 	SDB rear, supported	7090	8057	8450	7842	6978	6346	5866	5492	5197	4966
		SDB front, raised	7090	8057	8450	7280*	6276*	5500*	4892*	4400*	3708*	3437*
	LATERAL 	SDB supported	7090	7538*	6278*	5361*	4667*	4125*	3693*	3248*	2821*	2462*
		SDB raised	7090	6787*	5675*	4871	4246*	3761*	3380*	2928*	2535*	2203*
+ 1.5 m	FRONT 	SDB rear, supported	10513	10251	9697	8880	7814	7005	6377	5876	5468	5123
		SDB front, raised	10513	10251	8550*	7204*	6215	5463	4881*	4375*	3832*	3384*
	LATERAL 	SDB supported	9325*	7452*	6204*	5304*	4630*	4116	3658*	3158*	2749*	2412*
		SDB raised	8316*	6700*	5607*	4815	4219	3761*	3297*	2839*	2464*	2154*
+ 0 m	FRONT 	SDB rear, supported	13426	11965	10397	9072	8048	7234	6570	6021	5567	5153
		SDB front, raised	13426	10632*	8635*	7265*	6281*	5575	4837*	4213*	3708*	3300*
	LATERAL 	SDB supported	9480*	7546*	62 65	5324*	4603*	4022*	3459*	3004*	2633*	2333*
		SDB raised	8284*	6681*	5575*	4760*	4127*	3612*	3102*	2689*	2351*	2077*
-1.5 m	FRONT 	SDB rear, supported	14863	12347	10550	9208	8173	7358	6754	6104	5245	
		SDB front, raised	14135	10931*	8839*	7368*	6225*	5316*	4613*	4057*	3623*	
	LATERAL 	SDB supported	9146*	7266*	6014*	5113*	4365*	3742*	3252*	2859*	2554*	
		SDB raised	7968*	6399*	5332*	4555*	3896*	3340*	2900*	2547*	2272*	
-3.0 m	FRONT 	SDB rear, supported	15530	12896	10954	9405	8058	6758	5329			
		SDB front, raised	14492*	10818*	8575*	7065*	5978*	5161*	4545*			
	LATERAL 	SDB supported	9123*	7111*	5783*	4843*	4142*	3601*	3189*			
		SDB raised	7946*	6250*	5111*	4294*	3679*	3202*	2838*			

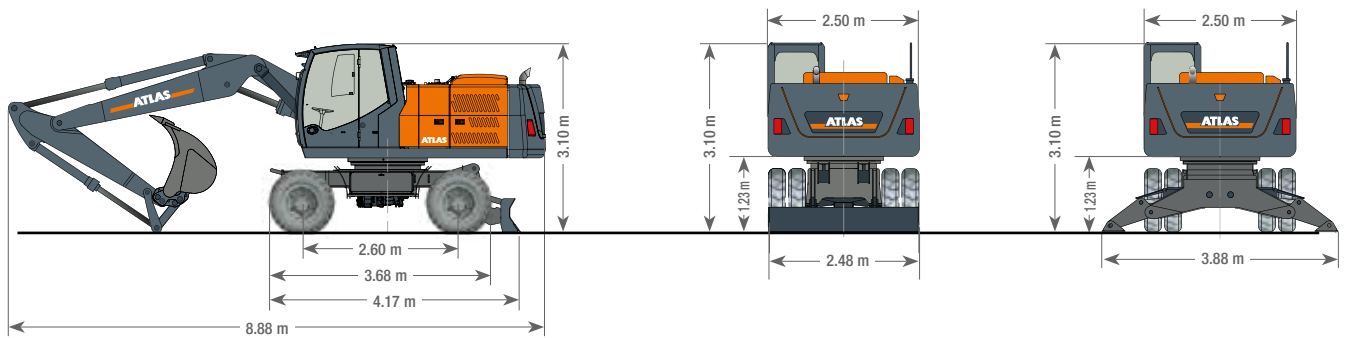
Lifting capacities Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.83 m (C21.461) with stick 2.65 m (D21.33). Max reach 9.79 m

Height	Undercarriage type		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
+ 9.0 m	FRONT 	SDB rear, supported		6144									
		SDB front, raised		6144									
	LATERAL 	SDB supported		6144									
		SDB raised		6144									
+7.5 m	FRONT 	SDB rear, supported				4788	4780	4814	3840				
		SDB front, raised				4788	4780	4814	3840				
	LATERAL 	SDB supported				4788	4780	4261*	3626*				
		SDB raised				4788	4503	3846*	3265*				
+6.0 m	FRONT 	SDB rear, supported			5062	4920	4798	4699	4625	4582	4601		
		SDB front, raised			5062	4920	4798	4699	4625	4497	3960*		
	LATERAL 	SDB supported			5062	4920	4798	4303	3791*	3312*	2868*		
		SDB raised			5062	4920	4487*	3920*	3451*	2990*	2580*		
+ 4.5 m	FRONT 	SDB rear, supported	7863	6970	6333	5858	5492	5204	4974	4792	4652	4556	
		SDB front, raised	7863	6970	6333	5858	5492	5204	4974	4451*	4011*	3551*	
	LATERAL 	SDB supported	7863	6970	6333	5559*	4809*	4220*	3745*	3357*	2947*	2569*	
		SDB raised	7863	6970	5950*	5057*	4380*	3851*	3419*	3062*	2658*	2308*	
+ 3.0 m	FRONT 	SDB rear, supported	7376	8266	8369	7321	6575	6019	5590	5252	4980	4762	4590
		SDB front, raised	7376	8266	8369	7317*	6295	5509*	4893	4392*	3984	3549*	3143*
	LATERAL 	SDB supported	7376	7583*	6306*	5375*	4676*	4126	3686	3326*	2941*	2568*	2252*
		SDB raised	7376	6831*	5706*	4888*	4259*	3765*	3366*	3044*	2652*	2308*	2015*
+ 1.5 m	FRONT 	SDB rear, supported	10366	10219	9755	8574	7556	6788	6192	5717	5331	5010	4734
		SDB front, raised	10366	10219	8528*	7180*	6198	5438	4846	4373*	3944*	3482*	3093*
	LATERAL 	SDB supported	9287*	7426*	6176*	5279*	4603*	4081*	3668*	3291*	2860*	2505*	2205*
		SDB raised	8284*	6679*	5584*	4789*	4193*	3721*	3353*	2971*	2573*	2245*	1969*
+ 0 m	FRONT 	SDB rear, supported	12773	11656	10308	9005	7990	7175	6515	5970	5510	5119	4761
		SDB front, raised	12773	10536*	8558	7200*	6216*	5474	4913*	4326*	3804*	3372*	3018*
	LATERAL 	SDB supported	9369*	7463*	6202*	5312	4644*	4085*	3601*	3118*	2725*	2399*	2134*
		SDB raised	8338*	6706*	5607*	4823*	4189*	3673*	3241*	2800*	2440*	2141*	1899*
-1.5 m	FRONT 	SDB rear, supported	14686	12206	10432	9105	8077	7260	6599	6080	5601	4927	
		SDB front, raised	13931	10758*	8756*	7407*	6329*	5447*	4713*	4130*	3656*	3285*	
	LATERAL 	SDB supported	9199*	7312*	6052*	5145*	4457*	3866*	3342*	2926*	2583*	2317*	
		SDB raised	8017*	6441*	5368*	4585*	3984*	3459*	2988*	2612*	2301*	2060*	
-3.0 m	FRONT 	APS hinten abgesenkt	15069	12547	10796	9498	8398	7410	6426	5326			
		APS vor angehoben	14407*	10901*	8710*	7152*	6022*	5191*	4545*	4032*			
	LATERAL 	APS abgesenkt	9050*	7177*	5898*	4919*	4179*	3626*	3188*	2834*			
		APS angehoben	7876*	6312*	5220*	4366*	3714*	3226*	2836*	2521*			

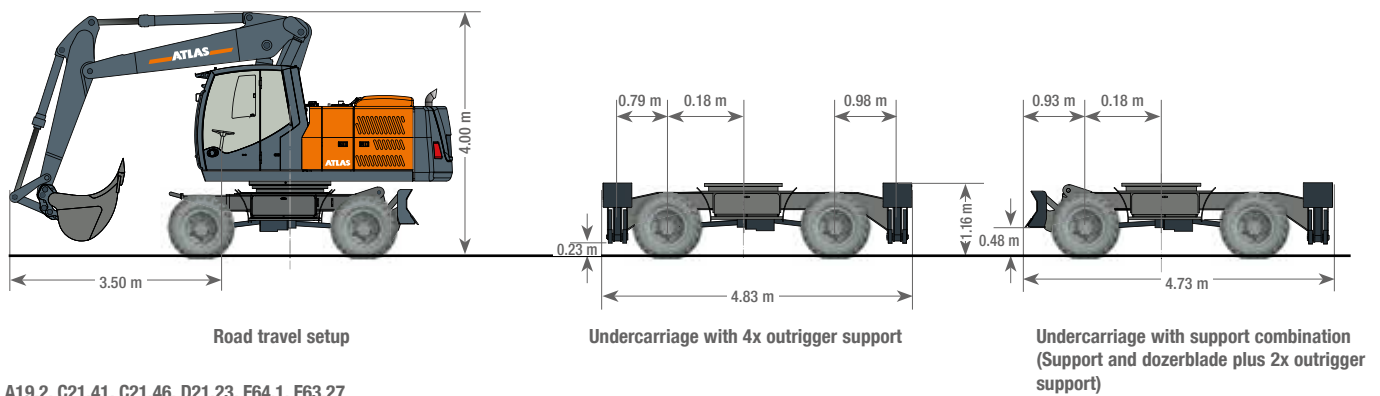
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DIMENSIONS 190W

Dimensions



A19.2, C21.41, C21.46, D21.23, F64.1, F63.23



A19.2, C21.41, C21.46, D21.23, F64.1, F63.27

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