

**100**  
ATLAS 1919 - 2019

**ATLAS**  
*SINCE 1919*

**STABLE.  
STRONG.  
STEADY.**

 17.0 - 19.0 t

 105 kW (143 HP)

EU Stage V

 0.7 - 1.3 m<sup>3</sup>



**WHEELED EXCAVATOR 160W**

[WWW.ATLASGMBH.COM](http://WWW.ATLASGMBH.COM)

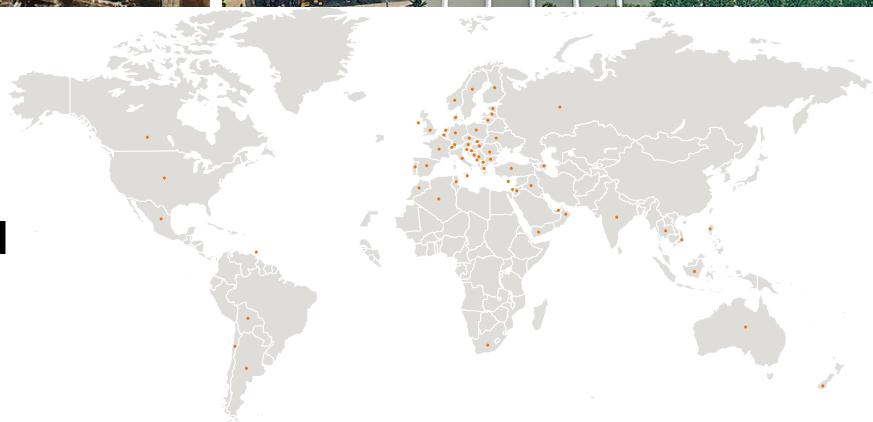
# ATLAS – CONSTRUCTION MACHINERY MANUFACTURER WITH TRADITION

## 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](http://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

# 160W





**EXTENSIVE DEALER NETWORK  
EXCELLENT SERVICE  
CUSTOMER FOCUSED**

# ATLAS - The new excavator cabin



The new ATLAS cabin –  
Best climate, sharp  
display, digital and direct,  
more space, best view, extre-  
mely quiet, feel good

Clear control panel –  
Direct selection via keys or digital  
control via button.....



Move safely: Standard lateral-  
and rear view cameras



Most powerful air conditioning system  
- short airways - large lines -  
cross sections - silent



Best view – especially to the right



# ATLAS - The new excavator cabin

Stay communicated - radio with  
USB connection - mobile phone tray  
by the left joystick



Lunch break - space for cool box with  
electrical connection - behind the  
driver's seat



Easy: Upper carriage lock at the push  
of a button on T



If thirsty: Close at hand and quickly  
released



Floor non-slip and  
Easy to sweep – storage space for  
tools and materials



# TECHNICAL SPECIFICATION 160W

## ENGINE

Power rating.....	105 kW (143 HP)	Bore / cylinder stroke .....	101 / 126	<b>STANDARD BASIC EQUIPMENT:</b>
RPM .....	1800/min	Cooling system .....	Water-cooled	• Automatic idling system / Engine stop
Model.....	Deutz TCD 6.1 L6 EU Stage V	Air filter.....	Dry air filter	• Cold start assistance
Design.....	Turbocharger / charge-air cooling	Battery .....	2 x 12 V / 100 Ah	• Diesel pre-filter
Cylinder capacity .....	6057 cm <sup>3</sup>	Generator.....	24 V / 100 A	• Engine monitoring
Number of cylinders .....	6	Starter.....	24 V / 4.8 kW	

## HYDRAULIC SYSTEM

• AWE 5 system (Load sensing)	• Pipe break protection valves for lifting and articulated cylinders	• Operating modes:
• Load limit controlled high-performance pump	• Proportional grab and grab rotating function	F1 (Fine)
• Fuel-efficient flow-on-demand control	• 3 circuits for additional consumer loads possible	F2 (Eco)
• Sensitive, proportional, independent control	• Max. oil flow..... 260 l/min	F3 (Power)
• Primary and secondary protection against overload	• Max. operating pressure ..... 350 bar	• Accumulator for emergency lowering of the arm system
• Suction valves for all work functions	• Cylinder end position damping	• Load-limit control

## SWING ASSEMBLY

• Axial piston motor with priority valve	• Automatically controlled multi-disc brake	• Swing torque .....
• 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..... 92.7 kN
• Power-shift transmission	• Max. speed ..... 20 km/h	• Gradeability ..... 55 %
• 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 160W

## DRIVER'S CAB

• Meets latest safety standards (ROPS)	<b>DRIVER'S SEAT:</b>	<b>MONITORING:</b>
• Extra large entry zone	• Comfort seat with headrest	• Operating data display screen
• Spacious leg room	• Arm rests and lumbar support	• Automatic system for monitoring, warning and storage of data
• Radio preparation with mute function	• Seat adjustable separately from console	• Rear view security camera
• Ready for electric cooling box	• Air suspension	• Right side camera
• Different options for storage, compartment for documents	• Heated	
• Heat-absorbing glass, tinted windows	• Horizontal and vertical suspension	<b>CLIMATE CONTROL:</b>
• Excellent all-way visibility	• Lumbar support	• Automatic climate control
• Bottle holder		• Excellent air distribution through optimally arranged nozzles
	<b>CONTROL:</b>	• Refrigerant R134a
	• Ergonomic joysticks with proportional slide control	
	• Slim steering column, height and tilt adjustable	<b>SOUND LEVELS:</b>
	• Indicators, controls and operating switches are clearly arranged	• ISO 6396 ( $L_p$ A) in driver's cab ..... 70 dB(A)
	• Swing axle lock in the left joystick	• 2000/14 EG ( $L_w$ A) ambience level ..... 97 dB(A)

## ADDITIONAL EQUIPMENT

• Refueling pump	• 35% axle differential lock	• Electric cooling box
• Beacon light	• Patented trailer hitch	• Radio with USB and Bluetooth
• Gear protection	• Alarm-signal while driving	• GPS/GSM telemetric system for monitoring of operating data, consumption, position
• Cabin Sliding door	• Auxiliary heating with water circuit	• Biodegradable oil
• Cab protection guard	• Automatic working brake	• Wide axles (overall width 2750 mm)
• Wheel cover	• Switch hydraulic attachment kit, supports separately at front and rear	• Wide dozer blade (2750 mm)
• Cab elevation	• Hydraulic add-on kit, switch supports axially separately	• High-speed option ..... 36 km/h
• Joystick steering	• Proportional control of supports by slide in joystick	
• 270° camera system	• Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment	<b>Other additional equipment:</b> See price list
• LED working lights	• Premium Driver seat (Actimo Evolution)	<b>Special options:</b> upon request

## FILL CAPACITIES

• Fuel tank .....	301 litres	• Engine oil.....	14 litres	• Hydraulic system.....	220 litres
• Cooling system.....	38 litres	• Hydraulic tank .....	180 litres	• Ad Blue® .....	32 litres

## OPERATING WEIGHTS

	MONOBLOCK BOOM 4.32 m (C6.3M)		ADJUSTABLE BOOM Base arm 1.87 m (C6.41) Boom 3.07 m (C346)	
	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	16.0 t	16.1 t	16.4 t	16.5 t
SDB / outriggers	17.1 t	17.2 t	17.5 t	17.6 t
4 support outriggers	17.3 t	17.4 t	17.7 t	17.8 t

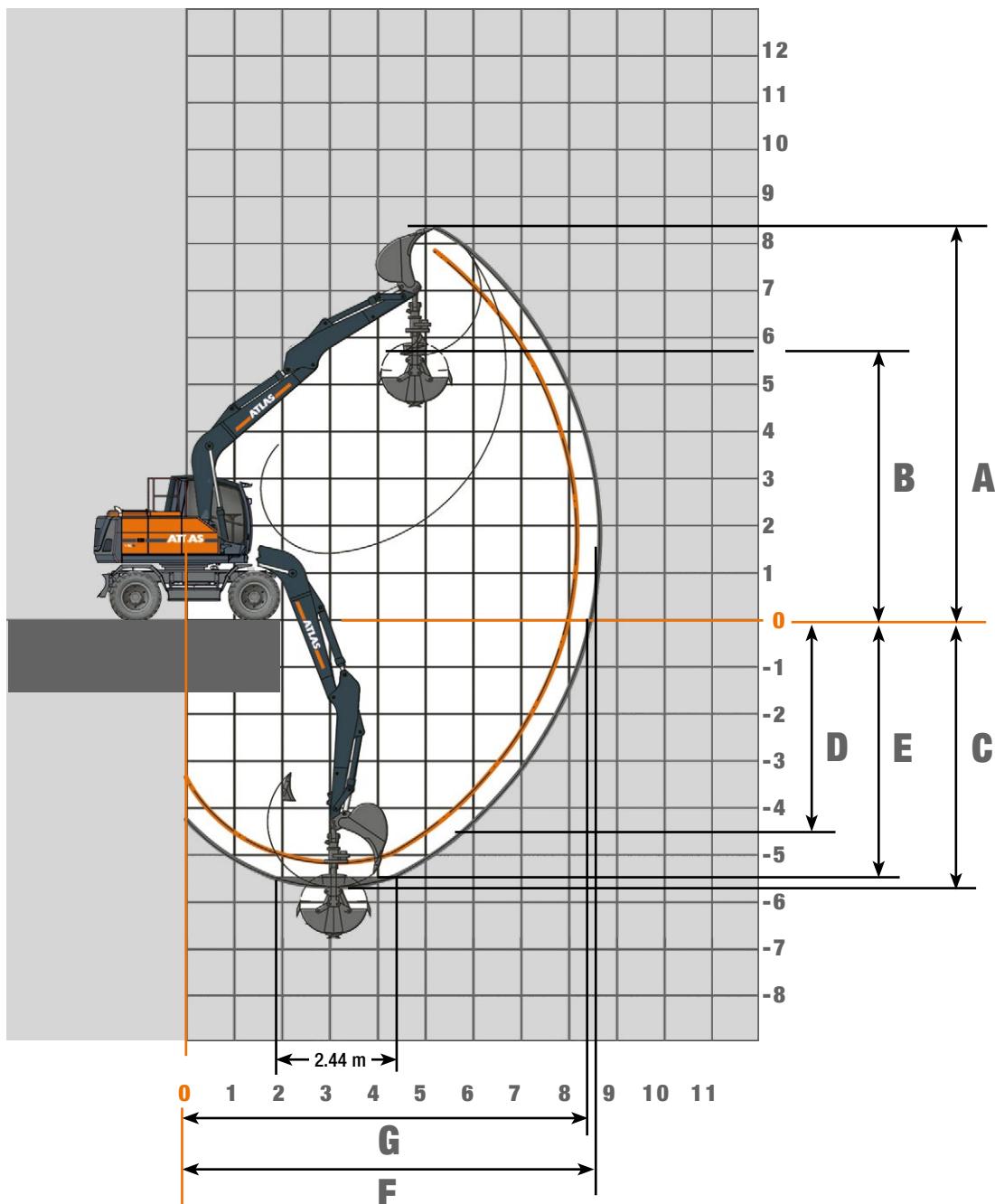
Operating weight incl. driver, fuel, lubricants and coolant plus 1.0 ton for attachments

## ATTACHMENTS (SELECTION)

	Bucket F415	Bucket F418	Trench digger G644
Capacity SAE	0.67 m <sup>3</sup>	0.92 m <sup>3</sup>	0.56 m <sup>3</sup>
Cutting width	850 mm	1100 mm	2000 mm

# WORKING RANGES 160W

Monoblock boom 4.32 m (C6.3M)



STICK LENGTHS	2.15 m (D6.2)	2.5 m (D6.3)
A Max. digging height	8.10 m	8.35 m
B Max. dumping height	5.35 m	5.65 m
C Max digging depth	5.20 m	5.70 m
D Max. vertical wall digging depth	4.05 m	4.55 m
E Max. digging depth of cut for 2.44 m level	4.95 m	5.50 m
F Max. digging reach	8.25 m	8.70 m
G Max. digging reach at ground level	8.05 m	8.50 m
Max. bucket digging force	130 kN	130 kN
Max. stick digging force	82 kN	72 kN

Unit is equipped with monoblock boom 4.32 m (C6.3M).

# LIFTING CAPACITIES 160W

## Lifting capacities Monoblock boom 4.32 m (C6.3M) and stick 2.15 m (D6.2). Max reach 8.20 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
+ 5.0 m	FRONT	SDB rear, supported							4195		
	LATERAL	SDB front, raised SDB supported SDB raised						4195	4195		
+ 4.0 m	FRONT	SDB rear, supported						4504	4338	4228	
	LATERAL	SDB front, raised SDB supported SDB raised						4504	4338	4228	
+ 3.0 m	FRONT	SDB rear, supported		6809	5963	5382	4964	4652	4418	4251	
	LATERAL	SDB front, raised SDB supported SDB raised		6809	5963	5382	4964	4652	4418	4251	
+ 2.0 m	FRONT	SDB rear, supported		8168	6915	6067	5460	5008	4660	4386	
	LATERAL	SDB front, raised SDB supported SDB raised		8168	6915	6067	5460	5008	4660	4386	
+ 1.0 m	FRONT	SDB rear, supported		8168	7551	6570	5844	5289	4849	4480	
	LATERAL	SDB front, raised SDB supported SDB raised		8164*	6763*	5749*	4981*	4378*	3892*	3488*	
+ 0 m	FRONT	SDB rear, supported	8919	7551	6570	5844	5289	4849	4480		
	LATERAL	SDB front, raised SDB supported SDB raised	8919	7551	6570	5844	5289	4849	4480		
- 1.0 m	FRONT	SDB rear, supported	7473	9006	7733	6759	5999	5392	4885	4143	
	LATERAL	SDB front, raised SDB supported SDB raised	7473	9006	7733	6759	5999	5392	4885	4143	
- 2.0 m	FRONT	SDB rear, supported	8120	9990	8609	7495	6594	5853	5219	4614	
	LATERAL	SDB front, raised SDB supported SDB raised	8120	9990	8609	7495	6594	5853	5219	4614	
- 3.0 m	FRONT	SDB rear, supported	7787	6855	6019	5220	4339				
	LATERAL	SDB front, raised SDB supported SDB raised	7787	6855	6019	5220	4339				

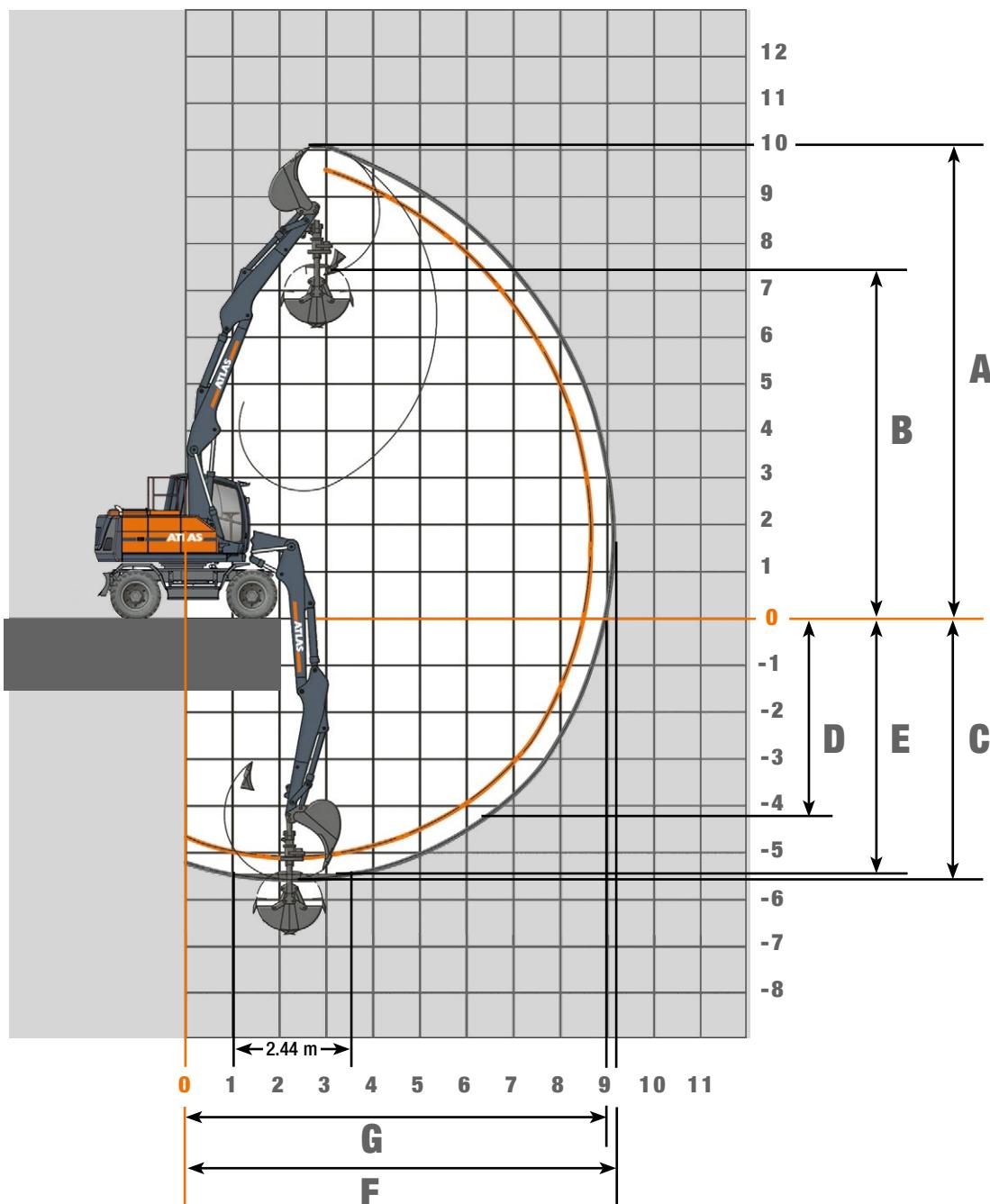
## Lifting capacities Monoblock boom 4.32 m (C6.3M) and stick 2.65 m (D6.3). Max reach 8.70 m

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							3762	1902		
	LATERAL	SDB front, raised SDB supported SDB raised						3762	1902			
+ 4.0 m	FRONT	SDB rear, supported						3958	3870	3817		
	LATERAL	SDB front, raised SDB supported SDB raised						3958	3870	3817		
+ 3.0 m	FRONT	SDB rear, supported						4571	4317	4120	3969	3152
	LATERAL	SDB front, raised SDB supported SDB raised						4571	4317	4120	3969	3152
+ 2.0 m	FRONT	SDB rear, supported	7464	6394	5660	5129	4729	4420	4176	3896		
	LATERAL	SDB front, raised SDB supported SDB raised	7464	6394	5660	5129	4729	4420	4176	3896		
+ 1.0 m	FRONT	SDB rear, supported	8523	7212	6287	5607	5091	4685	4356	4027		
	LATERAL	SDB front, raised SDB supported SDB raised	8523	7212	6287	5607	5091	4685	4356	4027		
+ 0 m	FRONT	SDB rear, supported	7828	8936	7618	6638	5891	5305	4831	4427	2926	
	LATERAL	SDB front, raised SDB supported SDB raised	7828	8936	7618	6638	5891	5305	4831	4427	2926	
- 1.0 m	FRONT	SDB rear, supported	10073	8813	7598	6655	5906	5293	4769	4270		
	LATERAL	SDB front, raised SDB supported SDB raised	10073	8813	7598	6655	5906	5293	4769	4270		
- 2.0 m	FRONT	SDB rear, supported	9806*	7733*	6380*	5427*	4718*	4169*	3734*	3383*		
	LATERAL	SDB front, raised SDB supported SDB raised	8317*	6644*	5530*	4732*	4132*	3664*	3290*	2987*		
- 3.0 m	FRONT	SDB rear, supported	10511	9541	8197	7139	6281	5560	4923	4279		
	LATERAL	SDB front, raised SDB supported SDB raised	10511	9541	8197	7139	6281	5560	4923	4279		

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 160W

Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.10 m (C6.46)



Unit is equipped with standard adjustable boom: base arm 1.87 m (C6.41) and boom 3.10 m (C6.46).

# LIFTING CAPACITIES 160W

**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**

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
<b>+ 6.0 m</b>	FRONT	SDB rear, supported				5058	4799	4597	4452			
	FRONT	SDB front, raised				5058	4799	4597	4452			
	LATERAL	SDB supported				5058	4799	4597	4452			
	LATERAL	SDB raised				5058	4799	4597	4071*			
<b>+ 5.0 m</b>	FRONT	SDB rear, supported	5477	5870	5385	5008	4710	4471	4284	3782		
	FRONT	SDB front, raised	5477	5870	5385	5008	4710	4471	4284	3782		
	LATERAL	SDB supported	5477	5870	5385	5008	4710	4471	4018*	3509*	3109*	
	LATERAL	SDB raised	5477	5870	5385	5008	4641*	4077*	3587*	3109*		
<b>+ 4.0 m</b>	FRONT	SDB rear, supported	7694	6804	6018	5445	5008	4665	4389	4165		
	FRONT	SDB front, raised	7694	6804	6018	5445	5008	4665	4389	4165		
	LATERAL	SDB supported	7694	6804	6018	5445	5008	4484*	3995*	3549*		
	LATERAL	SDB raised	7694	6804	6018	5266	4577*	4040*	3605*	3149*		
<b>+ 3.0 m</b>	FRONT	SDB rear, supported	7688	7604	6794	5980	5383	4924	4559	4259	4000	
	FRONT	SDB front, raised	7688	7604	6794	5980	5383	4924	4559	4259	4000	
	LATERAL	SDB supported	7688	7604	6752*	5768*	5019*	4437*	3968*	3541*	3118*	
	LATERAL	SDB raised	7688	7211*	6035*	5169	4514*	4002*	3591*	3142*	2760*	
<b>+ 2.0 m</b>	FRONT	SDB rear, supported	8959	8729	8203	7381	6416	5700	5149	4708	4342	4017
	FRONT	SDB front, raised	8959	8729	8203	7381	6416	5700	5149	4708	4342	4017
	LATERAL	SDB supported	8959	8729	7996*	6659*	5695*	4972*	4407*	3962*	3501*	3093*
	LATERAL	SDB raised	8959	8729	7116*	5958*	5117*	4479*	3984*	3548*	3101*	2735*
<b>+ 1.0 m</b>	FRONT	SDB rear, supported	10369	9557	8645	7517	6570	5831	5241	4756	4354	4018
	FRONT	SDB front, raised	10369	9557	8645	7517	6570	5831	5241	4756	4354	4018
	LATERAL	SDB supported	10369	9557	7986*	6646*	5685	4969*	4420*	3912*	3437*	3048*
	LATERAL	SDB raised	10369	8826*	7102*	5949*	5114	4489*	3992*	3462*	3039*	2691*
<b>+ 0 m</b>	FRONT	SDB rear, supported	12250	10522	8832	7541	6581	5839	5249	4774	4391	3780
	FRONT	SDB front, raised	12250	10522	8832	7541	6581	5839	5249	4774	4391	3780
	LATERAL	SDB supported	12250	10090	8052*	6692*	5736*	5042*	4370*	3812*	3366*	3017*
	LATERAL	SDB raised	11754*	8911*	7176*	5998*	5119*	4444*	3857*	3364*	2970*	2661*
<b>- 1.0 m</b>	FRONT	SDB rear, supported	13541	10775	8931	7624	6654	5913	5360	4781	3987	
	FRONT	SDB front, raised	13541	10775	8931	7624	6654	5913	5360	4781	3987	
	LATERAL	SDB supported	13541	10262*	8147*	6726*	5713*	4895*	4237*	3727*	3325*	
	LATERAL	SDB raised	11643*	8776*	7034*	5858*	5005*	4301*	3728*	3282*	2930*	
<b>- 2.0 m</b>	FRONT	SDB rear, supported	13838	11022	9176	7869	6804	5860	4897	3700		
	FRONT	SDB front, raised	13838	11022	9176	7869	6804	5860	4897	3700		
	LATERAL	SDB supported	13838	10230*	8081*	6633*	5565*	4777*	4171*	3700		
	LATERAL	SDB raised	11589*	8710*	6972*	5769*	4863*	4187*	3664*	3260*		

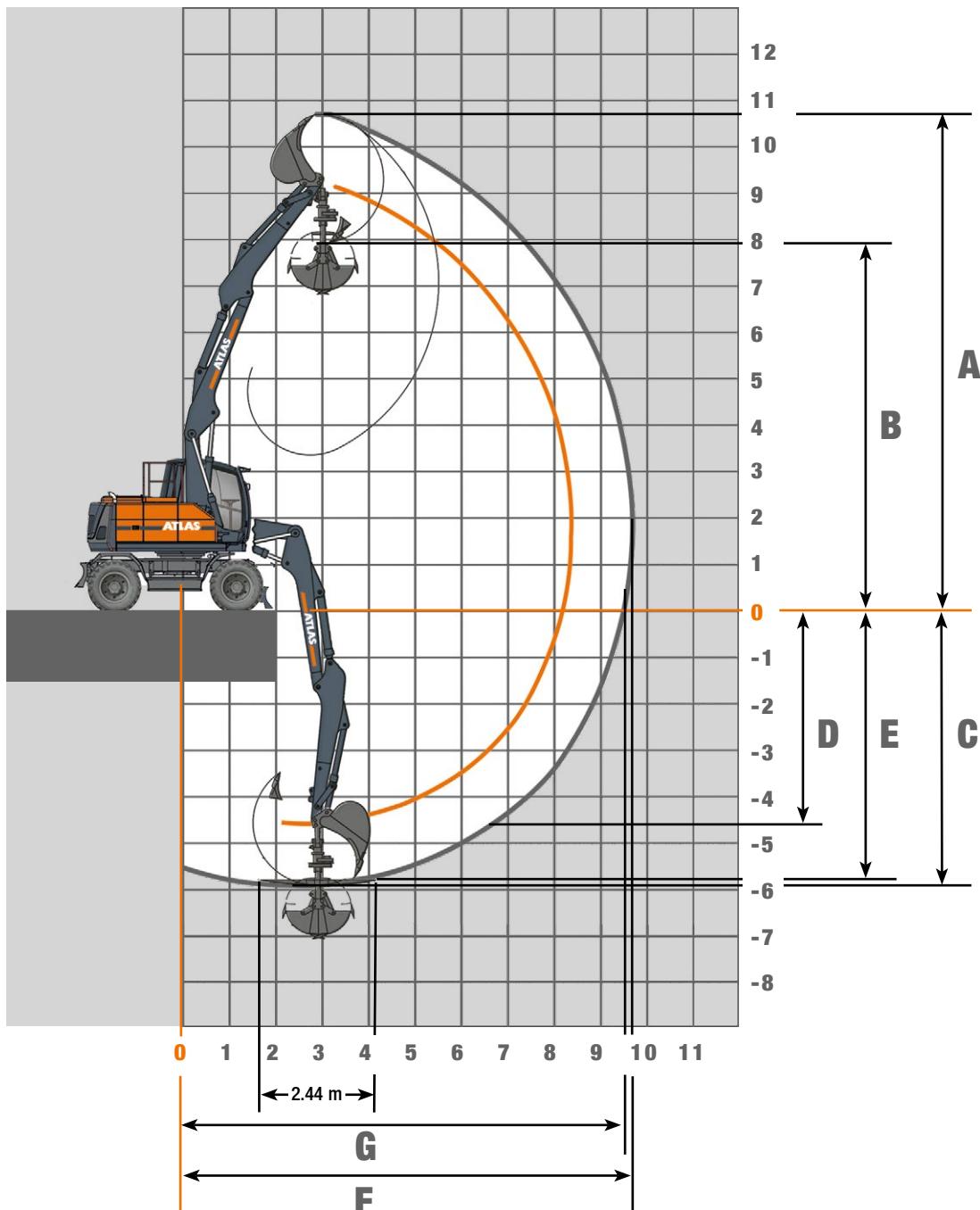
**Lifting capacities Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.10 m (C6.46) with stick 2.65 m (D6.3). Max reach 9.20 m**

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
<b>+ 6.0 m</b>	FRONT	SDB rear, supported				4375	4215	4086	3991				
	FRONT	SDB front, raised				4375	4215	4086	3991				
	LATERAL	SDB supported				4375	4215	4086	3991				
	LATERAL	SDB raised				4375	4215	4086	3623*				
<b>+ 5.0 m</b>	FRONT	SDB rear, supported				4638	4606	4368	4170	4005	3872	3070	
	FRONT	SDB front, raised				4638	4606	4368	4170	4005	3872	3070	
	LATERAL	SDB supported				4638	4606	4368	4170	4005	3605*	3070	
	LATERAL	SDB raised				4638	4606	4368	4092*	3630*	3215*	2808*	
<b>+ 4.0 m</b>	FRONT	SDB rear, supported	5552	5730	5523	5056	4690	4396	4155	3954	3786		
	FRONT	SDB front, raised	5552	5730	5523	5056	4690	4396	4155	3954	3786		
	LATERAL	SDB supported	5552	5730	5523	5056	4690	4396	3993*	3588*	3196*		
	LATERAL	SDB raised	5552	5730	5523	5056	4587*	4040*	3600	3236*	2840*		
<b>+ 3.0 m</b>	FRONT	SDB rear, supported	7628	7325	6334	5630	5104	4694	4365	4094	3863	3656	
	FRONT	SDB front, raised	7628	7325	6334	5630	5104	4694	4365	4094	3863	3656	
	LATERAL	SDB supported	7628	7325	6334	5630	5015*	4425*	3950*	3564	3187*	2825*	
	LATERAL	SDB raised	7628	7242*	6054*	5175*	4511*	3985*	3566	3222*	2833*	2502*	
<b>+ 2.0 m</b>	FRONT	SDB rear, supported	9051	8763	8122	7061	6159	5491	4977	4566	4229	3939	3673
	FRONT	SDB front, raised	9051	8763	8122	7061	6159	5491	4977	4566	4229	3939	3673
	LATERAL	SDB supported	9051	8763	7967*	6634	5675*	4947*	4373*	3918*	3553	3153*	2803*
	LATERAL	SDB raised	9051	8763	7081*	5928*	5088*	4450*	3945*	3545	3176*	2798*	2479*
<b>+ 1.0 m</b>	FRONT	SDB rear, supported	9839	9249	8516	7420	6462	5729	5153	4687	4297	3959	3663
	FRONT	SDB front, raised	9839	9249	8516	7420	6462	5729	5153	4687	4297	3959	3663
	LATERAL	SDB supported	9839	9249	7905*	6578*	5631*	4913*	4359	3923*	3501*	3098*	2765*
	LATERAL	SDB raised	9839	8723	7035*	5883*	5055*	4430*	3941*	3547*	3107*	2741*	2440*
<b>+ 0 m</b>	FRONT	SDB rear, supported	11371	10113	8706	7440	6495	5761	5175	4697	4303	3984	3463
	FRONT	SDB front, raised	11371	10113	8706	7440	6495	5761	5175	4697	4303	3984	3463
	LATERAL	SDB supported	11371	9945*	7938*	6600	5649*	4938*	4405*	3881*	3416*	3034*	2732*
	LATERAL	SDB raised	11371	8783*	7067	5909*	5082*	4469*	3930*	3433*	3017*	2676*	2407*
<b>- 1.0 m</b>	FRONT	SDB rear, supported	12929	10592	8780	7495	6537	5799	5215	4762	4339	3724	
	FRONT	SDB front, raised	12929	10592	8780	7495	6537	5799	5215	4762	4339	3724	
	LATERAL	SDB supported	12929	10073*	8047*	6699*	5721*	4954*	4303*	3762*	3332*	2989*	
	LATERAL	SDB raised	11656*	8792*	7048*	5867*	5011*	4357*	3791*	3315*	2935*	2633*	
<b>- 2.0 m</b>	FRONT	SDB rear, supported	13546	10774	8935	7634	6682	5970	5295	4586	3653		
	FRONT	SDB front, raised	13546	10774	8935	7634	6682	5970	5295	4586	3653		
	LATERAL	SDB supported	13546	10184*	8043*	6637*	5627*	4803*	4174*	3686*	3297*		
	LATERAL	SDB raised	11522*	8664*	6933*	5770*	4921*	4211*	3665*	3241*	2900*		

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 160W

Adjustable Boom, Base arm 1.87 m (C6.41) and Boom 3.62 m (C6.461)



STICK LENGTHS	2.15 m (D6.2)	2.65 m (D6.3)
A Max. cut-in height	10.30 meters	10.75 meters
B Max. pouring height	6.45 meters	7.95 meters
C Max. trench depth	5.35 meters	5.96 meters
D Max. vertical tapping depth	4.10 meters	4.70 meters
E Max. trench depth with 2.44-metre-wide base	5.20 meters	5.80 meters
F Max. reach	8.25 meters	9.75 meters
G Max. reach in the standing plane	8.10 meters	9.60 meters
Max. bucket digging force	130 kN	130 kN
Max. stick digging force	82 kN	72 kN

Unit is equipped with standard adjustable boom: base arm 1.87 m (C6.41) and boom 3.62 m (C6.461).

# LIFTING CAPACITIES 160W

**Lifting capacities Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.62 m (C6.461) with stick 2.15 m (D6.2). Max reach 8.70 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
+ 6.0 m	FRONT	SDB rear, supported			5406	4969	4628	4357	4140	3971	3863		
	LATERAL	SDB front, raised			5406	4969	4628	4357	4140	3971	3863		
	FRONT	SDB supported			5406	4969	4628	4357	4140	3961*	3468*		
	LATERAL	SDB raised			5406	4969	4628	4357	4028*	3551*	3064*		
+ 5.0 m	FRONT	SDB rear, supported		6374	6038	5408	4933	4564	4269	4030	3836	3687	
	LATERAL	SDB front, raised		6374	6038	5408	4933	4564	4269	4030	3836	3687	
	FRONT	SDB supported		6374	6038	5408	4933	4564	4269	3932*	3520*	3093*	
	LATERAL	SDB raised		6374	6038	5408	4933	4535*	3985*	3539*	3147*	2731*	
+ 4.0 m	FRONT	SDB rear, supported		5995	6422	6090	5404	4894	4499	4185	3928	3714	3534
	LATERAL	SDB front, raised		5995	6422	6090	5404	4894	4499	4185	3928	3714	3534
	FRONT	SDB supported		5995	6422	6090	5404	4894	4357*	3883*	3494*	3127*	2712*
	LATERAL	SDB raised		5995	6422	5958*	5101	4441*	3920*	3501*	3153	2764*	2414*
+ 3.0 m	FRONT	SDB rear, supported		5905	6297	6379	5905	5251	4755	4365	4047	3781	3547
	LATERAL	SDB front, raised		5905	6297	6379	5905	5251	4755	4365	4047	3781	3547
	FRONT	SDB supported		5905	6297	6379	5553*	4844*	4288*	3836	3466*	3119*	2747*
	LATERAL	SDB raised		5905	6297	5793*	4981*	4357*	3864*	3464*	3137*	2757*	2419*
+ 2.0 m	FRONT	SDB rear, supported	6965	7272	7119	6762	6229	5506	4947	4502	4137	3827	3549
	LATERAL	SDB front, raised	6965	7272	7119	6762	6229	5506	4947	4502	4137	3827	3549
	FRONT	SDB supported	6965	7272	7119	6389*	5474*	4787*	4242*	3810*	3460	3080*	2721*
	LATERAL	SDB raised	6965	7272	6824*	5718*	4914	4308	3829	3446*	3110*	2719*	2394*
+ 1.0 m	FRONT	SDB rear, supported	7115	8317	7798	7139	6266	5561	4998	4535	4149	3824	3559
	LATERAL	SDB front, raised	7115	8317	7798	7139	6266	5561	4998	4535	4149	3824	3559
	FRONT	SDB supported	7115	8317	7682	6383*	5467	4773*	4240*	3820*	3433*	3020*	2679*
	LATERAL	SDB raised	7115	8317	6836*	5710*	4911*	4306	3839	3482*	3030*	2659*	2353*
+ 0 m	FRONT	SDB rear, supported	9280	9618	8442	7220	6288	5572	5004	4543	4165	3871	3403
	LATERAL	SDB front, raised	9280	9618	8442	7220	6288	5572	5004	4543	4165	3871	3403
	FRONT	SDB supported	9280	9618	7759	6442*	5509*	4821	4301	3810*	3334*	2948*	2643*
	LATERAL	SDB raised	9280	8593*	6904*	5772*	4964*	4334*	3821*	3358*	2934*	2589*	2317
- 1.0 m	FRONT	SDB rear, supported	12630	10388	8582	7307	6362	5637	5068	4635	4230	3645	
	LATERAL	SDB front, raised	12630	10388	8582	7307	6362	5637	5068	4635	4230	3645	
	FRONT	SDB supported	12630	9903*	7896*	6544*	5568*	4834*	4222*	3676*	3242*	2901*	
	LATERAL	SDB raised	11246*	8479*	6805*	5676*	4859*	4236*	3708*	3227*	2844*	2543*	
- 2.0 m	FRONT	SDB rear, supported	13341	10585	8760	7473	6534	5842	5185	4487	3609		
	LATERAL	SDB front, raised	13341	10585	8760	7473	6534	5842	5185	4487	3609		
	FRONT	SDB supported	13341	9944*	7853*	6485*	5519*	4716*	4086*	3593*	3206*		
	LATERAL	SDB raised	11224*	8431*	6746*	5619*	4811*	4122*	3576*	3146*	2808*		

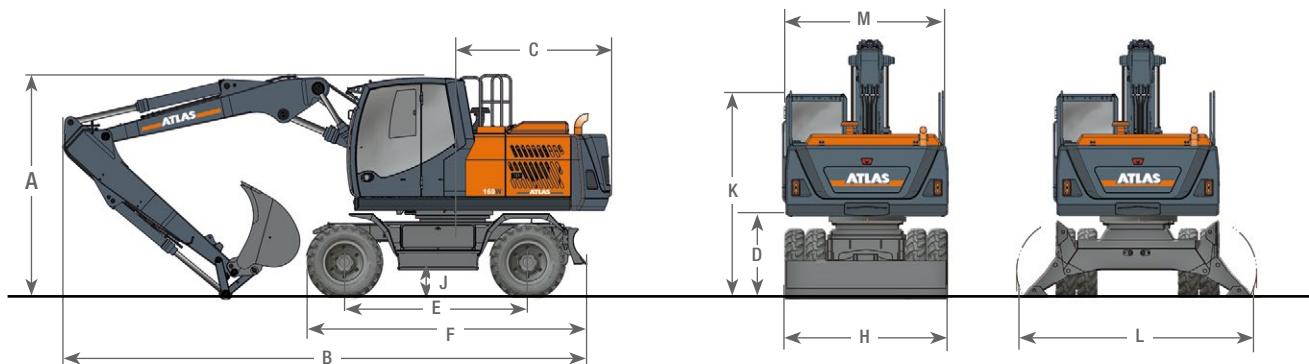
**Lifting capacities Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.62 m (C6.461) with stick 2.65 m (D6.3). Max reach 9.20 m**

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			4507	4793	4584	4272	4017	3806	3630	3484	3368	
	LATERAL	SDB front, raised			4507	4793	4584	4272	4017	3806	3630	3484	3368	
	FRONT	SDB supported			4507	4793	4584	4272	4017	3806	3530	3180*	2807*	
	LATERAL	SDB raised			4507	4793	4584	4272	4008*	3553*	3177*	2840*	2478*	
+ 4.0 m	FRONT	SDB rear, supported		6203	6432	5638	5059	4617	4268	3986	3752	3556	3388	2888
	LATERAL	SDB front, raised		6203	6432	5638	5059	4617	4268	3986	3752	3556	3388	2888
	FRONT	SDB supported		6203	6432	5638	5059	4617	4268	3884*	3491*	3157*	2833*	2496*
	LATERAL	SDB raised		6203	6432	5638	5059	4456*	3926*	3500*	3145*	2848*	2506*	2195*
+ 3.0 m	FRONT	SDB rear, supported		6023	6391	6400	5598	5008	4555	4196	3902	3656	3445	3252
	LATERAL	SDB front, raised		6023	6391	6400	5598	5008	4555	4196	3902	3656	3445	3252
	FRONT	SDB supported		6023	6391	6400	5565*	4845*	4278*	3820*	3445	3132*	2826*	2499*
	LATERAL	SDB raised		6023	6391	5818	4985*	4354*	3852*	3446	3109	2834*	2499*	2199*
+ 2.0 m	FRONT	SDB rear, supported	7128	7319	7139	6770	6027	5333	4800	4377	4032	3742	3490	3256
	LATERAL	SDB front, raised	7128	7319	7139	6770	6027	5333	4800	4377	4032	3742	3490	3256
	FRONT	SDB supported	7128	7319	7139	6357*	5445*	4757*	4213*	3776	3415*	3123*	2792*	2476*
	LATERAL	SDB raised	7128	7319	6782*	5688*	4887*	4277*	3797*	3407*	3091*	2805*	2463*	2176*
+ 1.0 m	FRONT	SDB rear, supported	8098	7946	7622	7041	6194	5489	4927	4471	4093	3770	3490	3258
	LATERAL	SDB front, raised	8098	7946	7622	7041	6194	5489	4927	4471	4093	3770	3490	3258
	FRONT	SDB supported	8098	7946	7587	6314*	5404	4719*	4183*	3758*	3416*	3095*	2736*	2437*
	LATERAL	SDB raised	8098	7946	6740*	5647*	4846*	4246*	3779	3403*	3115*	2734*	2408*	2137*
+ 0 m	FRONT	SDB rear, supported	9371	9069	8182	7100	6190	5487	4927	4470	4090	3772	3522	3129
	LATERAL	SDB front, raised	9371	9069	8182	7100	6190	5487	4927	4470	4090	3772	3522	3129
	FRONT	SDB supported	9371	9069	7628	6337*	5422*	4733*	4206	3794*	3414*	3007*	2672*	2401*
	LATERAL	SDB raised	9371	8442*	6786*	5673	4871*	4270*	3811*	3414*	3011*	2646*	2345*	2103*
- 1.0 m	FRONT	SDB rear, supported	11658	10062	8414	7166	6240	5526	4961	4505	4137	3842	3383	
	LATERAL	SDB front, raised	11658	10062	8414	7166	6240	5526	4961	4505	4137	3842	3383	
	FRONT	SDB supported	11658	9702*	7736*	6433*	5503*	4822*	4255*	3757*	3293*	2919*	2621*	
	LATERAL	SDB raised	11227*	8478*	6808*	5679*	4859*	4234*	3739*	3303*	2893*	2560*	2295*	
- 2.0 m	FRONT	SDB rear, supported	13018	10352	8561	7294	6354	5636	5099	4648	4135	3844		
	LATERAL	SDB front, raised	13018	10352	8561	7294	6354	5636	5099	4648	4135	3844		
	FRONT	SDB supported	13018	9886*	7810*	6448*	5483*	4762*	4140*	3617*	3203*	2871*		
	LATERAL	SDB raised	11135*	8372*	6703*	5582*	4775*	4165*	3626*	3169*	2805*	2512*		
- 3.0 m	FRONT	SDB rear, supported	13411	10679	8869	7604	6606	5741	4927	4083	2983			
	LATERAL	SDB front, raised	13411	10679	8869	7604	6606	5741	4927	4083	2983			
	FRONT	SDB supported	13411	9897*	7808*	6447*	5416*	4631*	4026*	3557*	2983			
	LATERAL	SDB raised	11176*	8383*	6701*	5580*	4711*	4038*	3516*	3110*	2786*			

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 160W

## 160W Transport position



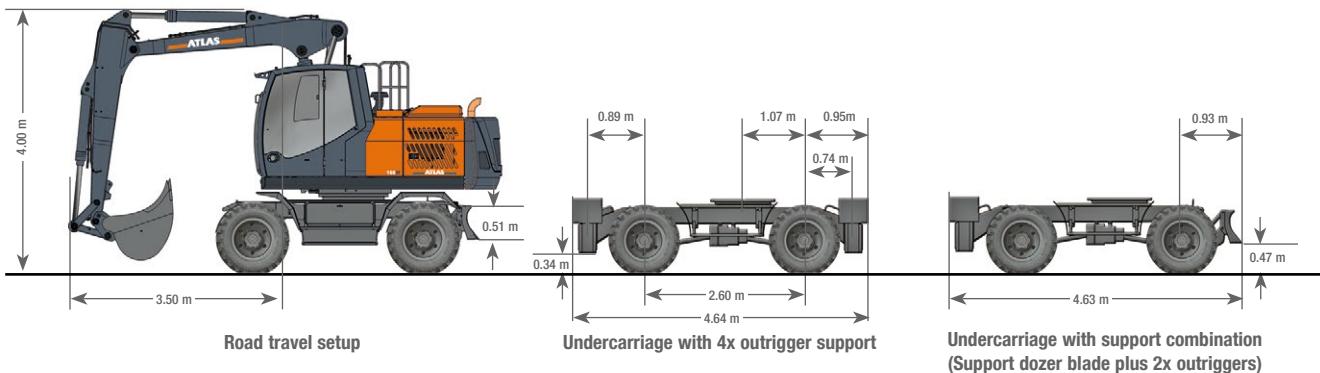
### A TRANSPORT HEIGHT (with bucket)

Adjustable boom* with stick 2.15 m .....	3.15 m	C TAIL SWING RADIUS.....	2.24 m
Adjustable boom* with stick 2.65 m .....	3.15 m	D CLEARANCE UNDER COUNTERWEIGHT .....	1.27 m
Monoblock boom 4.32 m with stick 2.15 m.....	3.15 m	E WHEEL BASE .....	2.60 m
Monoblock boom 4.32 m with stick 2.65 m.....	3.15 m	F UNDERCARRIAGE LENGTH .....	4.08 m

### B TRANSPORT LENGTH

Adjustable boom* with stick 2.15 m .....	7.76 m	J GROUND CLEARANCE.....	0.45 m
Adjustable boom* with stick 2.65 m .....	8.90 m	K OVERALL HEIGHT OF CAB .....	3.15 m
Monoblock boom 4.32 m with stick 2.15 m.....	7.60 m	L OUTRIGGERS WIDTH (extended).....	3.50 m
Monoblock boom 4.32 m with stick 2.65 m.....	7.60 m	M OVERALL WIDTH OF SUPERSTRUCTURE.....	2.49 m

\* Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.10 m (C6.46)





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