



# ATLAS

SINCE 1919

**STABLE.  
STRONG.  
STEADY.**

 16.0 - 17.8 t

 105 kW (143 HP)

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



## WHEELED EXCAVATOR 160W

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# TECHNICAL SPECIFICATION 160W

## Technical specifications

### ENGINE

Power rating ..... 105 kW (143 HP)	Number of cylinders ..... 6	Alternator ..... 24 V / 100 Ah
RPM ..... 1800/min	Bore / cylinder stroke ..... 101 / 126	Starter ..... 24 V / 4.8 kW
Make / model ..... Deutz TCD 6.1 (Tier 4F)	Cooling system ..... Water-cooled	
Design ..... Turbocharger / charge-air cooling	Air filter ..... Dry air filter	
Displacement ..... 6057 cm <sup>3</sup>	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 ..... 260 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	• Proportional grab/grab rotating function	• 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.

- Max. swing speed ..... 9/min
- Swing torque ..... 41 kNm

### TRACTION DRIVE AND BRAKES

• Variable displacement motor	• Automotive drive:	• Tractive force ..... 92.7 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
	• High-speed execution ..... 35 km/h	

### UNDERCARRIAGE

• 28 tons special excavator axles	• 8 tires (twins) ..... 10.00 - 20	• 4 tires (optional) ..... 710 - 22.5
• Steering axle with automatic oscillating axle locking		

### 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

### DRIVER'S CAB

• Meets latest safety standards (ROPS)	• Seat adjustable separately from console	<b>CLIMATE CONTROL:</b>
• Extra large entry zone	<b>CONTROL:</b>	• Air conditioning equipped as standard
• Spacious leg room	• Ergonomic joysticks with proportional slide control	• Excellent air distribution through optimally arranged nozzles
• Excellent circumferential visibility	• Slim steering column, height and tilt adjustable	
• Preparation for radio installation with mute function	• Indicators, controls and operating switches are clearly arranged	<b>SOUND LEVELS:</b>
		• ISO 6396 (L <sub>pA</sub> ) in driver's cab ..... 72 dB(A)
<b>DRIVER'S SEAT:</b>	<b>MONITORING:</b>	• 2000/14 EG (L <sub>wA</sub> ) ambience level...97 dB(A)
• Air-cushioned comfort seat (seat heating optional)	• Operating data display screen	
• Arm rests and lumbar support	• Automatic system for monitoring, warning and storage of data	

# WORKING EQUIPMENT 160W

## Working equipment

### OPERATING WEIGHTS

	MONOBLOCK BOOM 4.32 m (C6.3M)		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 and 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 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.

### EQUIPMENT

<b>BASIC UNIT ATLAS 160W</b> (can be combined) <ul style="list-style-type: none"> <li>Wheel Excavator 160W with support and dozer blade (SDB) and 2 lifting cylinders (A6.2)</li> </ul> SDB = support and dozer blade	<b>STANDARD EQUIPMENT:</b> <b>Engine:</b> <ul style="list-style-type: none"> <li>Automatic idling system</li> <li>Diesel pre-filter</li> <li>Engine monitoring</li> <li>Cold start assistance</li> </ul>	<ul style="list-style-type: none"> <li>Ready for electric cooling box</li> <li>Different options for storage, compartment for documents</li> <li>Seat adjustable separately from console</li> <li>Rear view security camera</li> <li>Right side camera</li> <li>Heat-absorbing glass, tinted windows</li> <li>Automotive drive</li> </ul>
<b>BOOMS:</b> <ul style="list-style-type: none"> <li>Monoblock boom with stick cylinder 4.32 m (C6.3M)</li> <li>Adjustable boom consisting of base arm 1.87 m (C6.41) adjustable cylinder plus boom 3.10 m (C6.46) with stick cylinder</li> </ul>	<b>HYDRAULIC SYSTEM:</b> <ul style="list-style-type: none"> <li>Proportional grab/grab rotating function</li> <li>Accumulator for emergency lowering of boom system</li> <li>Pipe break protection valves for lifting and articulated cylinders</li> <li>Max. load-limit control</li> <li>Cylinder end position damping</li> </ul>	<ul style="list-style-type: none"> <li>Operating data display screen</li> <li>Bottle holder</li> <li>Automatic working brake</li> </ul>
<b>STICKS:</b> <ul style="list-style-type: none"> <li>Stick 2.15 m (D6.2)</li> <li>Stick 2.65 m (D6.3)</li> </ul>	<b>Equipment:</b> <ul style="list-style-type: none"> <li>Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment</li> </ul>	<b>EQUIPMENT:</b> <ul style="list-style-type: none"> <li>Joint bearings in stick and bucket cylinders</li> <li>Combined lubricating points for swing bearing and arm equipment</li> </ul>
<b>BUCKET TIPPING CYLINDER:</b> <ul style="list-style-type: none"> <li>Bucket tipping cylinder with bucket linkage (F6.1)</li> </ul>	<b>Cab:</b> <ul style="list-style-type: none"> <li>Air-conditioning</li> <li>Preparation for radio installation with mute function</li> <li>Slim steering column, height and tilt adjustable</li> </ul>	<b>UNDERCARRIAGE:</b> <ul style="list-style-type: none"> <li>Power-shift transmission</li> <li>Wet disc brakes</li> <li>Toolbox in undercarriage</li> </ul>

### ADDITIONAL EQUIPMENT

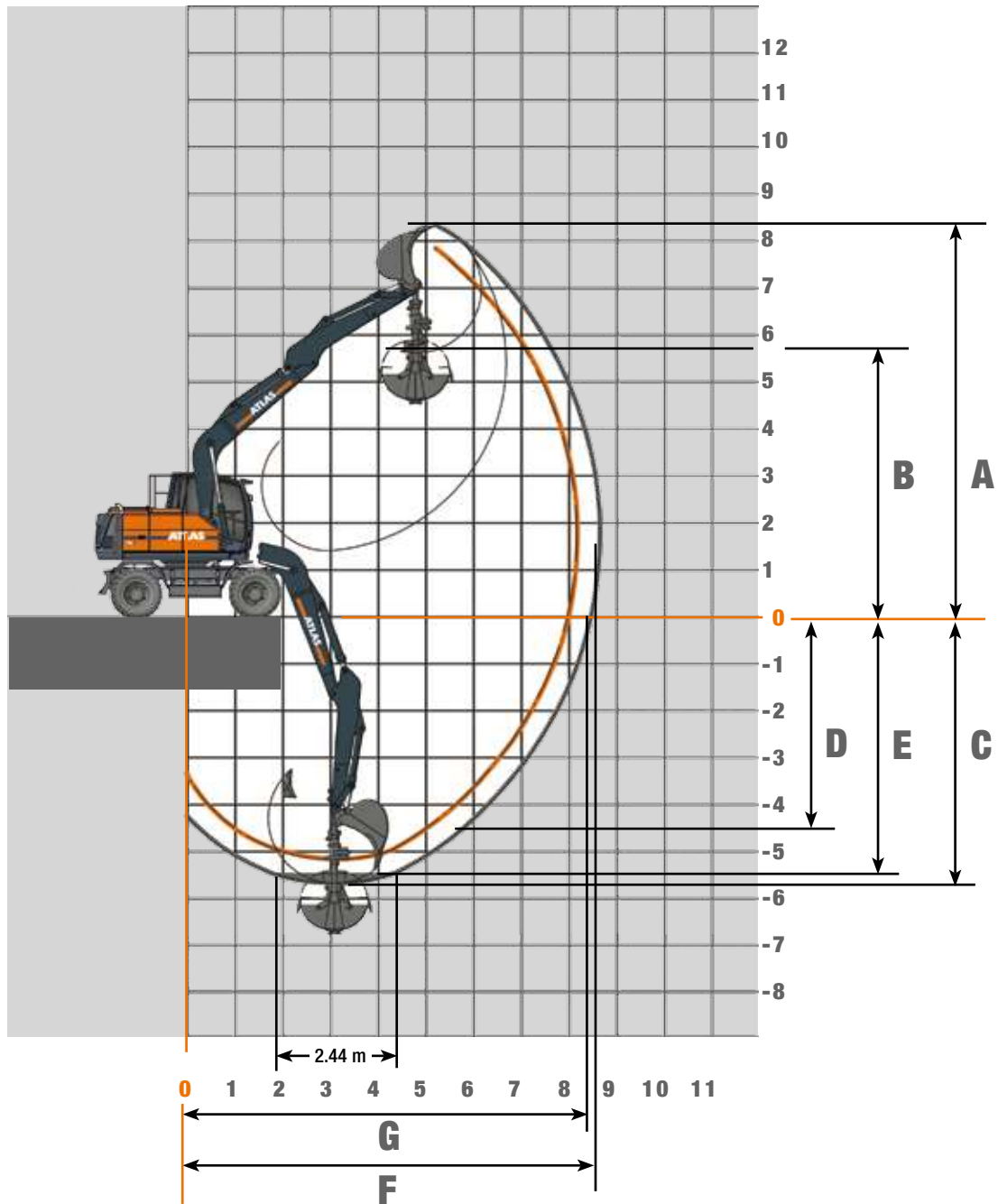
<b>Engine:</b> <ul style="list-style-type: none"> <li>Refueling pump</li> <li>Engine speed adjustment via potentiometer</li> <li>Auxiliary heating</li> </ul>	<b>Equipment:</b> <ul style="list-style-type: none"> <li>Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment</li> </ul>	<ul style="list-style-type: none"> <li>270° camera system</li> <li>Cab elevation</li> <li>LED working lights</li> <li>Proportional control of supports by slide in joystick</li> </ul>
<b>Hydraulics:</b> <ul style="list-style-type: none"> <li>Hydraulic kit, to operate front and rear supports separately</li> <li>Hydraulic kit, to operate supports per axle separately</li> <li>Biodegradable oil</li> </ul>	<b>Cab:</b> <ul style="list-style-type: none"> <li>Cab protection guard</li> <li>Beacon light</li> <li>GPS/GSM telemetric system for monitoring of operating data, consumption, position</li> <li>Heated driver's seat</li> <li>Radio CD/MP3, front AUX in, USB</li> <li>Electric cooling box</li> <li>Joystick steering</li> </ul>	<b>Undercarriage:</b> <ul style="list-style-type: none"> <li>Wide axles (overall width 2750 mm)</li> <li>Wide dozer blade (2750 mm)</li> <li>Gear protection</li> <li>High-speed option 37 km/h</li> </ul>
<b>Further special equipment:</b> See price list		

### ATTACHMENTS (SELECTION)

	Bucket F415	Bucket F416	Bucket F417	Bucket F648
Capacity SAE	0.67 m <sup>3</sup>	0.82 m <sup>3</sup>	0.92 m <sup>3</sup>	1.12 m <sup>3</sup>
Cutting width	850 mm	1000 mm	1100 mm	1300 mm

# WORKING RANGES 160W

## Working ranges 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)

### 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							4195		
+ 4.0 m	FRONT 	SDB supported						4504	4338	4228	
	LATERAL 	SDB raised						4504	4338	4020*	3570*
+ 3.0 m	FRONT 	SDB rear, supported			6809	5963	5382	4964	4652	4418	4251
	LATERAL 	SDB front, raised			6809	5963	5382	4964	4652	4418	4251
+ 2.0 m	FRONT 	SDB supported			8168	6915	6067	5460	5008	4660	4386
	LATERAL 	SDB raised			8164*	6763*	5749*	4981*	4378*	3892*	3488*
+ 1.0 m	FRONT 	SDB supported			7056*	5898*	5044*	4388*	3868*	3445*	3092*
	LATERAL 	SDB raised			8919	7551	6570	5844	5289	4849	4480
+ 0 m	FRONT 	SDB front, raised			8919	7551	6570	5844	5289	4849	4480
	LATERAL 	SDB supported			7912*	6564*	5595*	4863*	4288*	3825*	3443*
- 1.0 m	FRONT 	SDB raised			6817*	5707*	4896*	4274*	3781*	3380*	3047*
	LATERAL 	SDB supported			7473	9006	7733	6759	5999	5392	4885
- 2.0 m	FRONT 	SDB front, raised			7473	9006	7733	6759	5999	5392	4885
	LATERAL 	SDB raised			7473	7812*	6458*	5502*	4786*	4228*	3783*
- 3.0 m	FRONT 	SDB supported			7473	7812*	6458*	5502*	4786*	4228*	3783*
	LATERAL 	SDB raised			8120	9990	8609	7495	6594	5853	5219
- 4.0 m	FRONT 	SDB supported			8120	9930*	7818*	6446*	5483*	4769*	4219*
	LATERAL 	SDB raised			8120	8436*	6728*	5595*	4787*	4183*	3714*
- 5.0 m	FRONT 	SDB supported			10191	8825	7706	6768	5961	5228	4445
	LATERAL 	SDB raised			10191	8825	7706	6768	5961	5228	4445
- 6.0 m	FRONT 	SDB supported			10191	8825	7706	6495*	5523*	4809*	4275*
	LATERAL 	SDB raised			10191	8526*	6792*	5642*	4827*	4222*	3768*
- 7.0 m	FRONT 	SDB supported			7787	6855	6019	5220	4339		
	LATERAL 	SDB raised			7787	6855	6019	5220	4339		

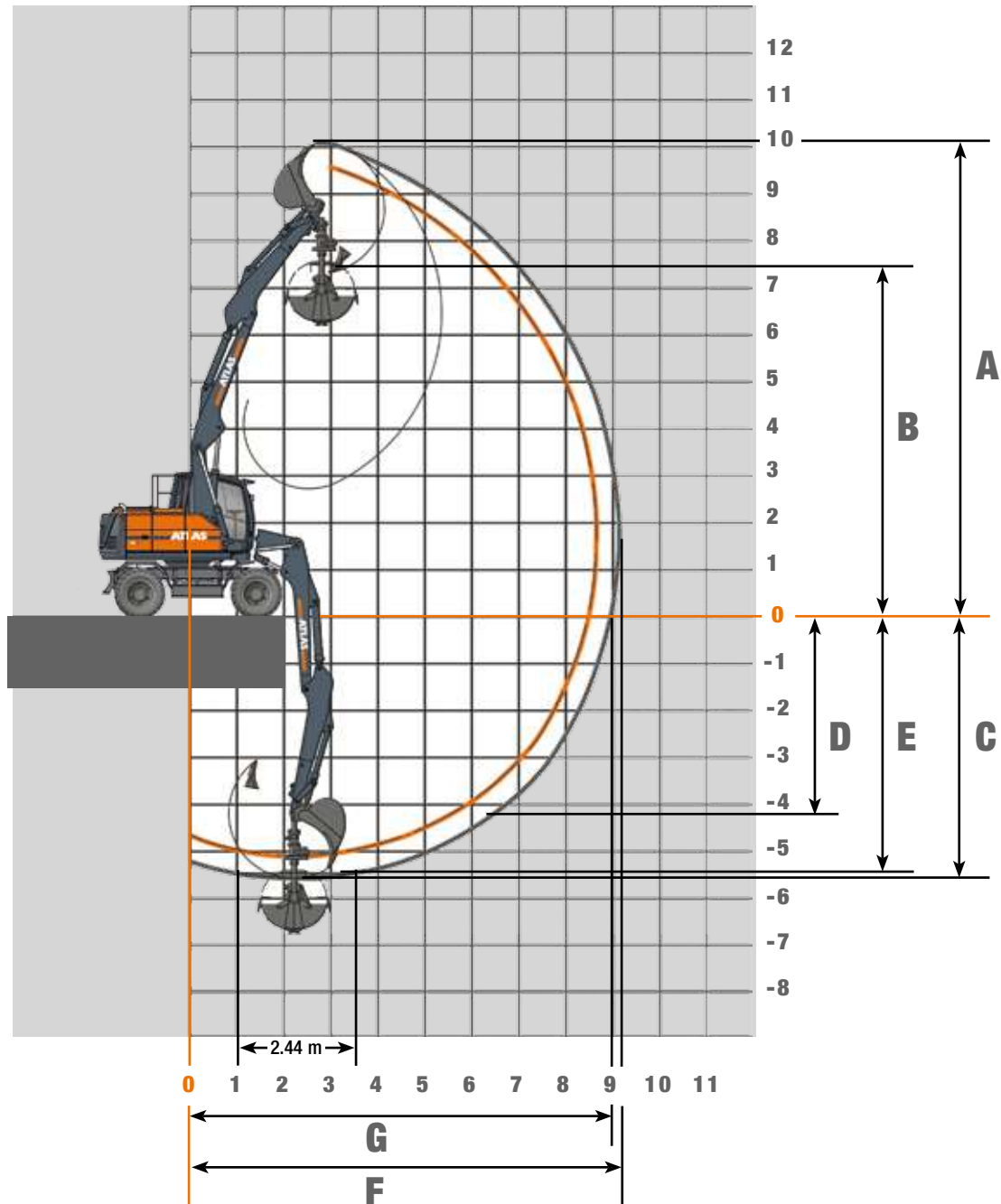
### Lifting capacities Monoblock boom 4.32 m (C6.3M) and stick 2.65 m (D6.3). Max reach 8.70 m

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								3762	1902	
+ 4.0 m	FRONT 	SDB supported								3762	1902	
	LATERAL 	SDB raised								3645*	1902	
+ 3.0 m	FRONT 	SDB rear, supported						3958	3870	3817		
	LATERAL 	SDB front, raised						3958	3870	3817		
+ 2.0 m	FRONT 	SDB supported						3958	3870	3605*		
	LATERAL 	SDB raised						3958	3610*	3204*		
+ 1.0 m	FRONT 	SDB rear, supported						4571	4317	4120	3969	3152
	LATERAL 	SDB front, raised						4571	4317	4120	3969	3152
+ 0 m	FRONT 	SDB supported						4571	4317	3991*	3559*	3152
	LATERAL 	SDB raised						4570*	4000*	3540*	3159*	2834*
- 1.0 m	FRONT 	SDB rear, supported						4571	4317	4120	3969	3152
	LATERAL 	SDB front, raised						4571	4317	3991*	3559*	3152
- 2.0 m	FRONT 	SDB supported						4570*	4000*	3540*	3159*	2834*
	LATERAL 	SDB raised						4570*	4000*	3540*	3159*	2834*
- 3.0 m	FRONT 	SDB rear, supported						4571	4317	4120	3969	3152
	LATERAL 	SDB front, raised						4571	4317	4120	3969	3152
- 4.0 m	FRONT 	SDB supported						4571	4317	3991*	3559*	3152
	LATERAL 	SDB raised						4570*	4000*	3540*	3159*	2834*
- 5.0 m	FRONT 	SDB rear, supported						4571	4317	4120	3969	3152
	LATERAL 	SDB front, raised						4571	4317	4120	3969	3152
- 6.0 m	FRONT	SDB supported						4571	4317	3991*	3559*	3152
	LATERAL	SDB raised						4570*	4000*	3540*	3159*	2834*
- 7.0 m	FRONT	SDB rear, supported						4571	4317	4120	3969	3152
	LATERAL	SDB front, raised						4571	4317	4120	3969	3152
- 8.0 m	FRONT	SDB supported						4571	4317	3991*	3559*	3152
	LATERAL	SDB raised						4570*	4000*	3540*	3159*	2834*

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 160W

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



STICK LENGTHS	2.15 m (D6.2)	2.65 m (D6.3)
A Max. digging height	9.70 m	10.10 m
B Max. dumping height	6.95 m	7.35 m
C Max digging depth	5.10 m	5.60 m
D Max. vertical wall digging depth	3.80 m	4.30 m
E Max. digging depth of cut for 2.44 m level	5.00 m	5.50 m
F Max. digging reach	8.70 m	9.20 m
G Max. digging reach at ground level	8.55 m	9.00 m
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 3.10 m (C6.46).

# LIFTING CAPACITIES 160W

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

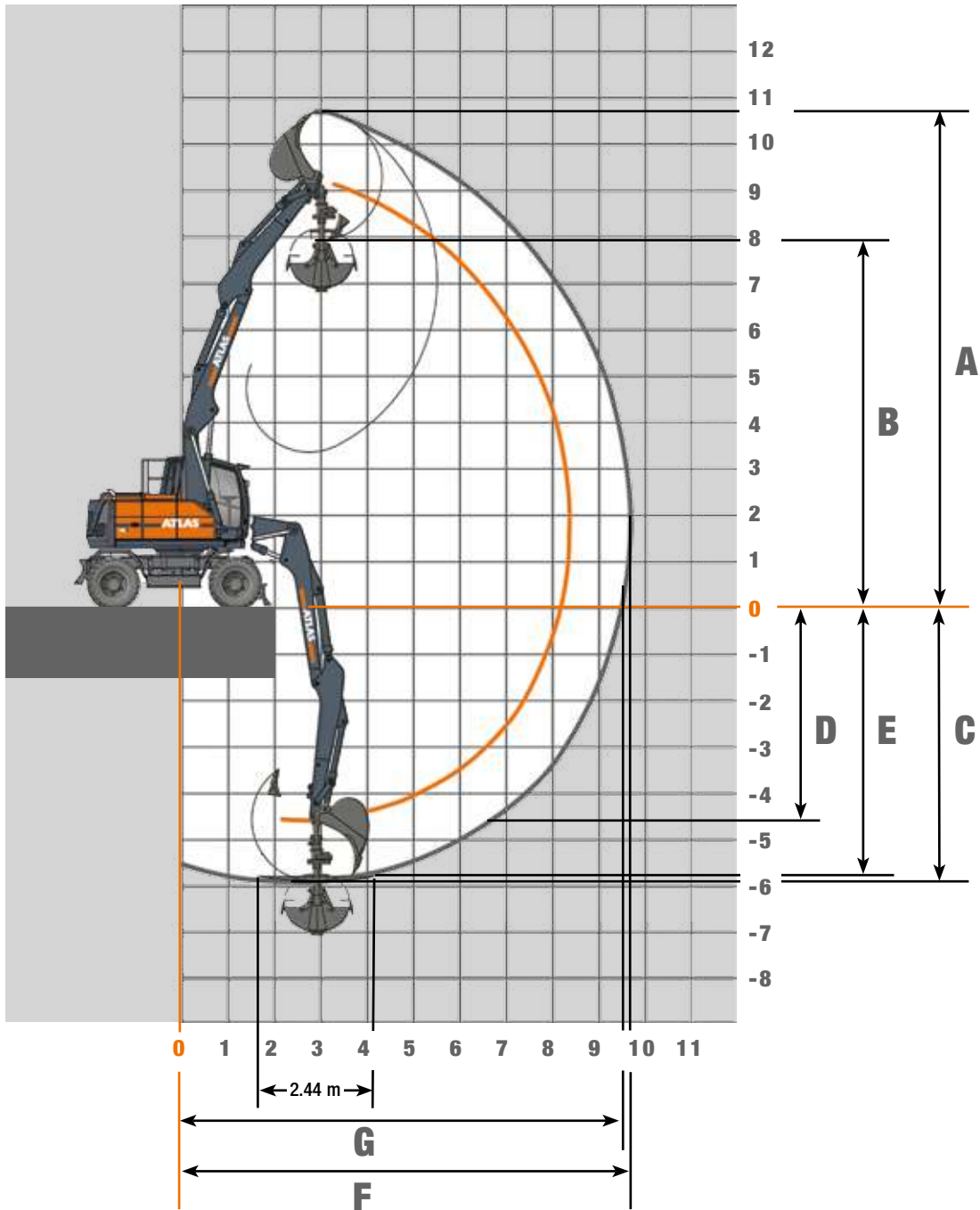
Lifting capacities Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.10 m (C6.46) with stick 2.15 m (D6.2). Max reach 8.70 m												
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m
+ 6.0 m	FRONT	SDB rear, supported				5058	4799	4597	4452			
		SDB front, raised				5058	4799	4597	4452			
	LATERAL	SDB supported				5058	4799	4597	4452			
		SDB raised				5058	4799	4597	4071*			
+ 5.0 m	FRONT	SDB rear, supported		5477	5870	5385	5008	4710	4471	4284	3782	
		SDB front, raised		5477	5870	5385	5008	4710	4471	4284	3782	
	LATERAL	SDB supported		5477	5870	5385	5008	4710	4471	4018*	3509*	
		SDB raised		5477	5870	5385	5008	4641*	4077*	3587*	3109*	
+ 4.0 m	FRONT	SDB rear, supported		7694	6804	6018	5445	5008	4665	4389	4165	
		SDB front, raised		7694	6804	6018	5445	5008	4665	4389	4165	
	LATERAL	SDB supported		7694	6804	6018	5445	5008	4484*	3995*	3549*	
		SDB raised		7694	6804	6018	5266	4577*	4040*	3605*	3149*	
+ 3.0 m	FRONT	SDB rear, supported		7688	7604	6794	5980	5383	4924	4559	4259	4000
		SDB front, raised		7688	7604	6794	5980	5383	4924	4559	4259	4000
	LATERAL	SDB supported		7688	7604	6752*	5768*	5019*	4437*	3968*	3541*	3118*
		SDB raised		7688	7211*	6035*	5169	4514*	4002*	3591*	3142*	2760*
+ 2.0 m	FRONT	SDB rear, supported	8959	8729	8203	7381	6416	5700	5149	4708	4342	4017
		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*
		SDB raised	8959	8729	7116*	5958*	5117*	4479*	3984*	3548*	3101*	2735*
+ 1.0 m	FRONT	SDB rear, supported	10369	9557	8645	7517	6570	5831	5241	4756	4354	4018
		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*
		SDB raised	10369	8826*	7102*	5949*	5114	4489*	3992*	3462*	3039*	2691*
+ 0 m	FRONT	SDB rear, supported	12250	10522	8832	7541	6581	5839	5249	4774	4391	3780
		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*
		SDB raised	11754*	8911*	7176*	5998*	5119*	4444*	3857*	3364*	2970*	2661*
- 1.0 m	FRONT	SDB rear, supported	13541	10775	8931	7624	6654	5913	5360	4781	3987	
		SDB front, raised	13541	10775	8931	7624	6654	5913	5360	4781	3987	
	LATERAL	SDB supported	13541	10262*	8147*	6726*	5713*	4895*	4237*	3727*	3325*	
		SDB raised	11643*	8776*	7034*	5858*	5005*	4301*	3728*	3282*	2930*	
- 2.0 m	FRONT	SDB rear, supported	13838	11022	9176	7869	6804	5860	4897	3700		
		SDB front, raised	13838	11022	9176	7869	6804	5860	4897	3700		
	LATERAL	SDB supported	13838	10230*	8081*	6633*	5565*	4777*	4171*	3700		
		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
+ 6.0 m	FRONT	SDB rear, supported					4375	4215	4086	3991			
		SDB front, raised					4375	4215	4086	3991			
	LATERAL	SDB supported					4375	4215	4086	3991			
		SDB raised					4375	4215	4086	3623*			
+ 5.0 m	FRONT	SDB rear, supported				4638	4606	4368	4170	4005	3872	3070	
		SDB front, raised				4638	4606	4368	4170	4005	3872	3070	
	LATERAL	SDB supported				4638	4606	4368	4170	4005	3605*	3070	
		SDB raised				4638	4606	4368	4092*	3630*	3215*	2808*	
+ 4.0 m	FRONT	SDB rear, supported		5552	5730	5523	5056	4690	4396	4155	3954	3786	
		SDB front, raised		5552	5730	5523	5056	4690	4396	4155	3954	3786	
	LATERAL	SDB supported		5552	5730	5523	5056	4690	4396	3993*	3588*	3196*	
		SDB raised		5552	5730	5523	5056	4587*	4040*	3600	3236*	2840*	
+ 3.0 m	FRONT	SDB rear, supported		7628	7325	6334	5630	5104	4694	4365	4094	3863	3656
		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*
		SDB raised		7628	7242*	6054*	5175*	4511*	3985*	3566	3222*	2833*	2502*
+ 2.0 m	FRONT	SDB rear, supported	9051	8763	8122	7061	6159	5491	4977	4566	4229	3939	3673
		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*
		SDB raised	9051	8763	7081*	5928*	5088*	4450*	3945*	3545	3176*	2798*	2479*
+ 1.0 m	FRONT	SDB rear, supported	9839	9249	8516	7420	6462	5729	5153	4687	4297	3959	3663
		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*
		SDB raised	9839	8723	7035*	5883*	5055*	4430*	3941*	3547*	3107*	2741*	2440*
+ 0 m	FRONT	SDB rear, supported	11371	10113	8706	7440	6495	5761	5175	4697	4303	3984	3463
		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*
		SDB raised	11371	8783*	7067	5909*	5082*	4469*	3930*	3433*	3017*	2676*	2407*
- 1.0 m	FRONT	SDB rear, supported	12929	10592	8780	7495	6537	5799	5215	4762	4339	3724	
		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*	
		SDB raised	11656*	8792*	7048*	5867*	5011*	4357*	3791*	3315*	2935*	2633*	
- 2.0 m	FRONT	SDB rear, supported	13546	10774	8935	7634	6682	5970	5295	4586	3653		
		SDB front, raised	13546	10774	8935	7634	6682	5970	5295	4586	3653		
	LATERAL	SDB supported	13546	10184*	8043*	6637*	5627*	4803*	4174*	3686*	3297*		
		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

**Work Areas** 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)

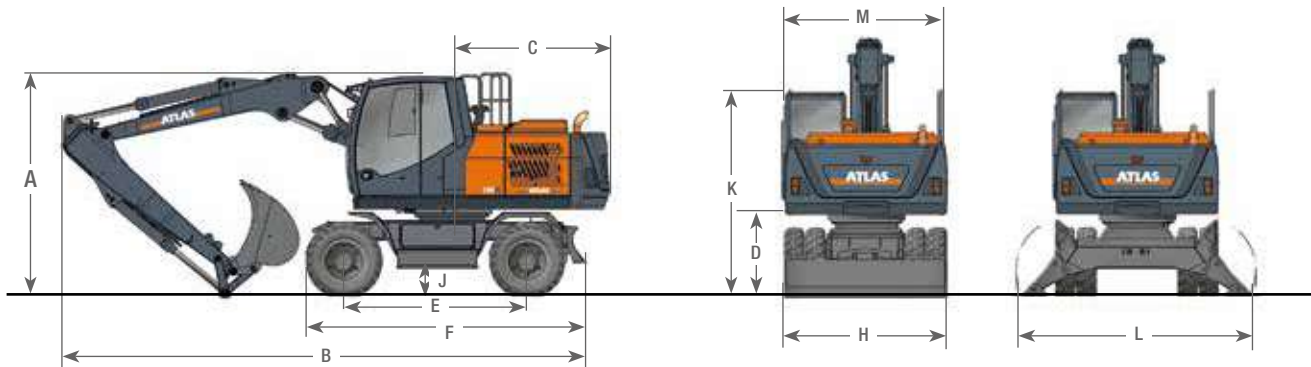
Lifting capacities Adjustable boom: Base arm 1.87 m (C6.41) and boom 3.62 m (C6.461) with stick 2.15 m (D6.2). Max reach 8.70 m													
Height	Undercarriage type		2.5 m	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m
+ 6.0 m	FRONT	SDB rear, supported			5406	4969	4628	4357	4140	3971	3863		
		SDB front, raised			5406	4969	4628	4357	4140	3971	3863		
	LATERAL	SDB supported			5406	4969	4628	4357	4140	3961*	3468*		
		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	
		SDB front, raised		6374	6038	5408	4933	4564	4269	4030	3836	3687	
	LATERAL	SDB supported		6374	6038	5408	4933	4564	4269	3932*	3520*	3093*	
		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
		SDB front, raised		5995	6422	6090	5404	4894	4499	4185	3928	3714	3534
	LATERAL	SDB supported		5995	6422	6090	5404	4894	4357*	3883*	3494*	3127*	2712*
		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
		SDB front, raised		5905	6297	6379	5905	5251	4755	4365	4047	3781	3547
	LATERAL	SDB supported		5905	6297	6379	5553*	4844*	4288*	3836	3466*	3119*	2747*
		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
		SDB front, raised	6965	7272	7119	6762	6229	5506	4947	4502	4137	3827	3549
	LATERAL	SDB supported	6965	7272	7119	6389*	5474*	4787*	4242*	3810*	3460	3080*	2721*
		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
		SDB front, raised	7115	8317	7798	7139	6266	5561	4998	4535	4149	3824	3559
	LATERAL	SDB supported	7115	8317	7682	6383*	5467	4773*	4240*	3820*	3433*	3020*	2679*
		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
		SDB front, raised	9280	9618	8442	7220	6288	5572	5004	4543	4165	3871	3403
	LATERAL	SDB supported	9280	9618	7759	6442*	5509*	4821	4301	3810*	3334*	2948*	2643*
		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	
		SDB front, raised	12630	10388	8582	7307	6362	5637	5068	4635	4230	3645	
	LATERAL	SDB supported	12630	9903*	7896*	6544*	5568*	4834*	4222*	3676*	3242*	2901*	
		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		
		SDB front, raised	13341	10585	8760	7473	6534	5842	5185	4487	3609		
	LATERAL	SDB supported	13341	9944*	7853*	6485*	5519*	4716*	4086*	3593*	3206*		
		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	
		SDB front, raised			4507	4793	4584	4272	4017	3806	3630	3484	3368	
	LATERAL	SDB supported			4507	4793	4584	4272	4017	3806	3530	3180*	2807*	
		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
		SDB front, raised		6203	6432	5638	5059	4617	4268	3986	3752	3556	3388	2888
	LATERAL	SDB supported		6203	6432	5638	5059	4617	4268	3884*	3491*	3157*	2833*	2496*
		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
		SDB front, raised		6023	6391	6400	5598	5008	4555	4196	3902	3656	3445	3252
	LATERAL	SDB supported		6023	6391	6400	5565*	4845*	4278*	3820*	3445	3132*	2826*	2499*
		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
		SDB front, raised	7128	7319	7139	6770	6027	5333	4800	4377	4032	3742	3490	3256
	LATERAL	SDB supported	7128	7319	7139	6357*	5445*	4757*	4213*	3776	3415*	3123*	2792*	2476*
		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
		SDB front, raised	8098	7946	7622	7041	6194	5489	4927	4471	4093	3770	3490	3258
	LATERAL	SDB supported	8098	7946	7587	6314*	5404	4719*	4183*	3758*	3416*	3095*	2736*	2437*
		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
		SDB front, raised	9371	9069	8182	7100	6190	5487	4927	4470	4090	3772	3522	3129
	LATERAL	SDB supported	9371	9069	7628	6337*	5422*	4733*	4206	3794*	3414*	3007*	2672*	2401*
		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	
		SDB front, raised	11658	10062	8414	7166	6240	5526	4961	4505	4137	3842	3383	
	LATERAL	SDB supported	11658	9702*	7736*	6433*	5503*	4822*	4255*	3755*	3293*	2919*	2621*	
		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	3444		
		SDB front, raised	13018	10352	8561	7294	6354	5636	5099	4648	4135	3444		
	LATERAL	SDB supported	13018	9886*	7810*	6448*	5483*	4762*	4140*	3617*	3203*	2871*		
		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			
		SDB front, raised	13411	10679	8869	7604	6606	5741	4927	4083	2983			
	LATERAL	SDB supported	13411	9897*	7808*	6447*	5416*	4631*	4026*	3557*	2983			
		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.

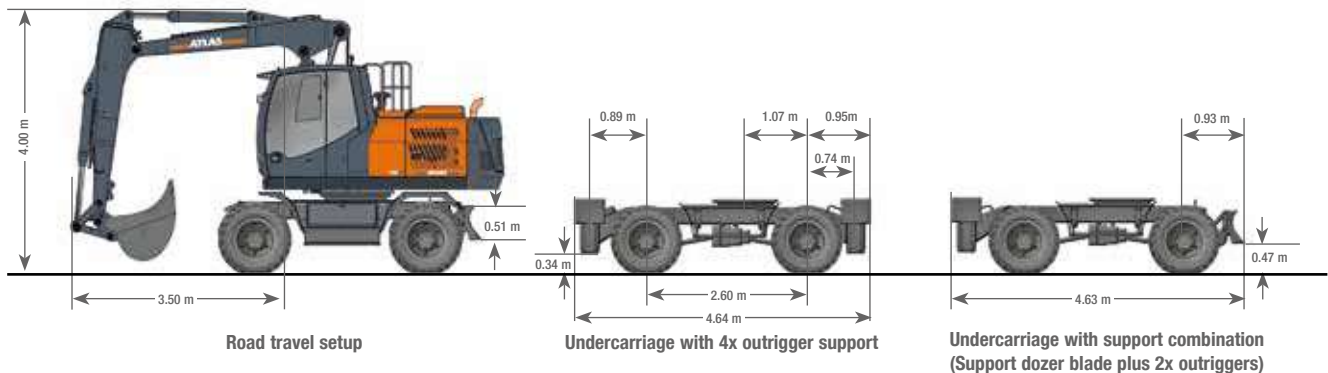
# DIMENSIONS 160W

## Dimensions



<b>A TRANSPORT HEIGHT (with bucket)</b>		<b>C TAIL SWING RADIUS</b> .....2.24 m	
Adjustable boom* with stick 2.15 m .....	3.15 m	<b>D CLEARANCE UNDER COUNTERWEIGHT</b> .....	1.27 m
Adjustable boom* with stick 2.65 m .....	3.15 m	<b>E WHEEL BASE</b> .....	2.60 m
Monoblock boom 4.32 m with stick 2.15 m.....	3.15 m	<b>F UNDERCARRIAGE LENGTH</b> .....	4.08 m
Monoblock boom 4.32 m with stick 2.65 m.....	3.15 m	<b>H DOZER BLADE WIDTH</b> .....	2.54 m
<b>B TRANSPORT LENGTH</b>		<b>J GROUND CLEARANCE</b> .....	0.45 m
Adjustable boom* with stick 2.15 m .....	7.76 m	<b>K OVERALL HEIGHT OF CAB</b> .....	3.15 m
Adjustable boom* with stick 2.65 m .....	8.90 m	<b>L OUTRIGGERS WIDTH (extended)</b> .....	3.50 m
Monoblock boom 4.32 m with stick 2.15 m.....	7.60 m	<b>M OVERALL WIDTH OF SUPERSTRUCTURE</b> .....	2.49 m
Monoblock boom 4.32 m with stick 2.65 m.....	7.60 m		

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



## **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](mailto:info@atlasgmbh.com)  
[www.atlasgmbh.com](http://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](mailto:info@atlasgmbh.com)  
[www.atlasgmbh.com](http://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](mailto:info@atlasgmbh.com)  
[www.atlasgmbh.com](http://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](mailto:atlasuk@atlasgmbh.com)  
[www.atlas-cranes.co.uk](http://www.atlas-cranes.co.uk)  
[www.atlasgmbh.com](http://www.atlasgmbh.com)

**ATLAS** SINCE 1919 **Wheeled Excavator  
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[www.atlasgmbh.com](http://www.atlasgmbh.com)

**ATLAS GmbH**  
EXCAVATOR  
Atlasstraße 6  
D-27777 Ganderkesee, Germany  
T: +49 (0) 4222 954 0  
Fax: +49 (0) 4222 954 220  
[info@atlasgmbh.com](mailto:info@atlasgmbh.com)